

STRUCTURAL ANALYSIS

PROJECT

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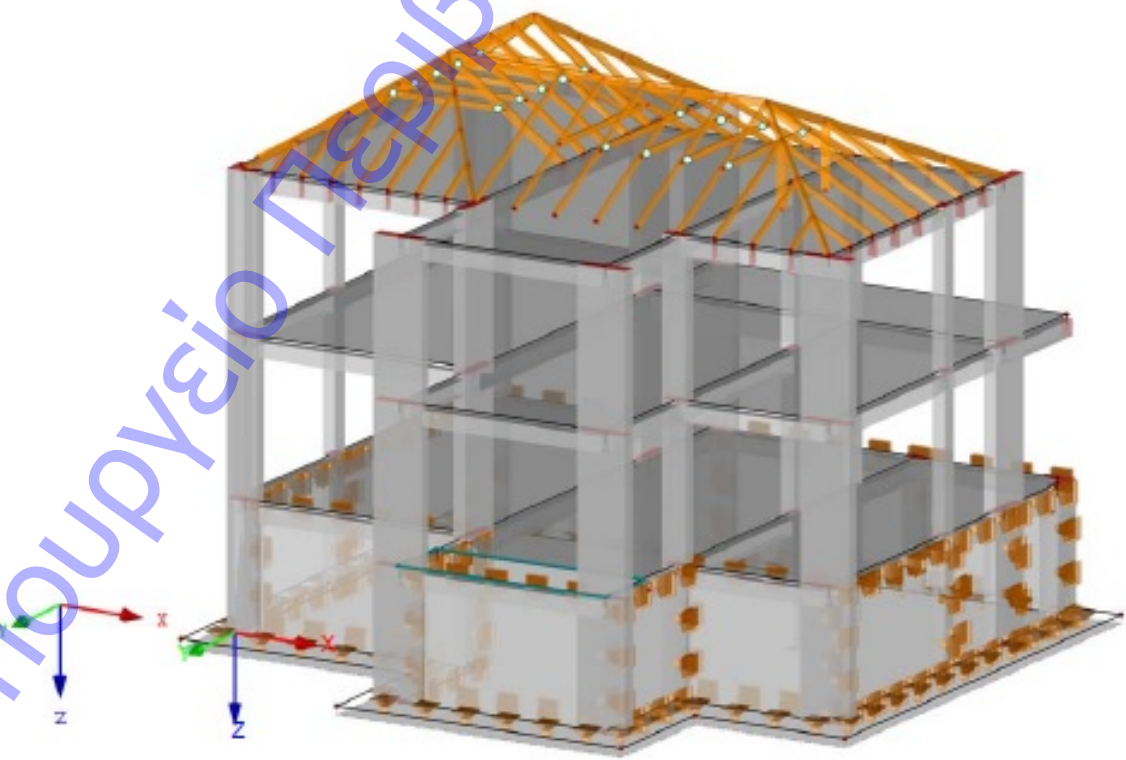
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Isometric





Date: 2/3/2021

Project:

Model: XWROS POLITISMOY SKLIBANH

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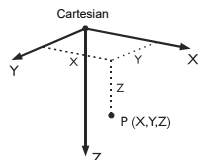
■ MODEL - GENERAL DATA

	General	Model name	: XWROS POLITISMOY SKLIBANH
		Type of model	: 3D
		Positive direction of global axis Z	: Downward
		Classification of load cases and combinations	: According to Standard: EN 1990
			: National Annex: ELOT - Greece
		☒ Automatically create combinations	: ☒ Load Combinations
	Options	☐ RF-FORM-FINDING - Find initial equilibrium shapes of membrane and cable structures	
		☐ RF-CUTTING-PATTERN	
		☐ Piping analysis	
		☐ Use CQC Rule	
		☐ Enable CAD/BIM model	
		Standard Gravity	: 9.81 m/s ²

■ FE MESH SETTINGS

	General	Target length of finite elements	l_{FE}	: 0.305 m
		Maximum distance between a node and a line to integrate it into the line	ϵ	: 0.001 m
		Maximum number of mesh nodes (in thousands)		: 500
	Members	Number of divisions of members with cable, elastic foundation, taper, or plastic characteristic		: 10
		☒ Activate member divisions for large deformation or post-critical analysis		
		☒ Use division for members with node lying on them		
	Surfaces	Maximum ratio of FE rectangle diagonals	Δ_D	: 1.800
		Maximum out-of-plane inclination of two finite elements	α	: 0.50 °
		Shape direction of finite elements		: Triangles and quadrangles ☒ Same squares where possible

■ 1.1 NODES



Node No.	Node Type	Reference Node	Coordinate System	Node Coordinates			Comment
				X [m]	Y [m]	Z [m]	
1	Standard	-	Cartesian	0.250	0.000	0.000	
2	Standard	-	Cartesian	0.250	0.000	-3.000	
3	Standard	-	Cartesian	0.000	-0.300	0.000	
4	Standard	-	Cartesian	0.000	-4.220	0.000	
5	Standard	-	Cartesian	0.000	-0.300	-3.000	
6	Standard	-	Cartesian	0.250	0.000	-6.650	
7	Standard	-	Cartesian	0.000	-4.220	-3.000	
8	Standard	-	Cartesian	0.250	-10.210	0.000	
9	Standard	-	Cartesian	0.000	-0.300	-6.650	
10	Standard	-	Cartesian	0.000	-4.220	-6.650	
11	Standard	-	Cartesian	0.250	-10.210	-3.000	
12	Standard	-	Cartesian	0.000	-9.810	0.000	
13	Standard	-	Cartesian	0.000	-9.810	-3.000	
14	Standard	-	Cartesian	0.250	-10.210	-6.650	
15	Standard	-	Cartesian	0.000	-9.810	-6.650	
16	Standard	-	Cartesian	5.890	-10.210	0.000	
17	Standard	-	Cartesian	5.890	-10.210	-3.000	
18	Standard	-	Cartesian	5.890	-10.210	-6.650	
19	Standard	-	Cartesian	5.890	-7.510	0.000	
20	Standard	-	Cartesian	5.890	-7.510	-3.000	
21	Standard	-	Cartesian	12.790	-1.900	-11.300	
22	Standard	-	Cartesian	10.925	-10.210	0.000	
23	Standard	-	Cartesian	10.925	-10.210	-3.000	
24	Standard	-	Cartesian	5.890	-7.510	-6.650	
25	Standard	-	Cartesian	14.420	-10.210	0.000	
26	Standard	-	Cartesian	14.420	-10.210	-3.000	
27	Standard	-	Cartesian	14.655	-9.810	0.000	
28	Standard	-	Cartesian	14.655	-9.810	-3.000	
29	Standard	-	Cartesian	14.655	-1.900	-10.300	
30	Standard	-	Cartesian	0.250	0.000	-10.300	
31	Standard	-	Cartesian	14.655	-7.510	0.000	
32	Standard	-	Cartesian	14.655	-7.510	-3.000	
33	Standard	-	Cartesian	14.655	-7.510	-6.650	
34	Standard	-	Cartesian	10.925	-7.510	0.000	
35	Standard	-	Cartesian	10.925	-7.510	-3.000	
36	Standard	-	Cartesian	10.925	-7.510	-6.650	
37	Standard	-	Cartesian	14.655	-4.910	0.000	
38	Standard	-	Cartesian	14.655	-4.910	-3.000	
39	Standard	-	Cartesian	14.655	-4.910	-6.650	
40	Standard	-	Cartesian	10.925	-4.910	0.000	
41	Standard	-	Cartesian	10.925	-4.910	-3.000	
42	Standard	-	Cartesian	10.925	-4.910	-6.650	
43	Standard	-	Cartesian	14.655	0.000	0.000	



1.1 NODES

Node No.	Node Type	Reference Node	Coordinate System	Node Coordinates			Comment
				X [m]	Y [m]	Z [m]	
44	Standard	-	Cartesian	14.655	0.000	-3.000	
45	Standard	-	Cartesian	14.655	0.000	-6.650	
46	Standard	-	Cartesian	10.925	0.000	0.000	
47	Standard	-	Cartesian	5.890	0.000	0.000	
48	Standard	-	Cartesian	10.925	0.000	-3.000	
49	Standard	-	Cartesian	10.925	0.000	-6.650	
50	Standard	-	Cartesian	5.890	0.000	-3.000	
51	Standard	-	Cartesian	5.890	0.000	-6.650	
52	Standard	-	Cartesian	10.925	3.110	0.000	
53	Standard	-	Cartesian	5.890	3.110	0.000	
54	Standard	-	Cartesian	10.925	3.110	-3.000	
55	Standard	-	Cartesian	10.925	3.110	-6.650	
56	Standard	-	Cartesian	5.890	3.110	-3.000	
57	Standard	-	Cartesian	5.890	3.110	-6.650	
58	Standard	-	Cartesian	-0.750	1.000	0.000	
59	Standard	-	Cartesian	-1.000	-10.810	0.000	
60	Standard	-	Cartesian	4.890	1.000	0.000	
61	Standard	-	Cartesian	4.890	4.110	0.000	
62	Standard	-	Cartesian	15.655	1.000	0.000	
63	Standard	-	Cartesian	11.925	1.000	0.000	
64	Standard	-	Cartesian	11.925	4.110	0.000	
65	Standard	-	Cartesian	15.655	-10.810	0.000	
66	Standard	-	Cartesian	13.722	-0.950	-10.800	
67	Standard	-	Cartesian	0.000	-0.300	-10.300	
68	Standard	-	Cartesian	0.000	-4.220	-10.300	
69	Standard	-	Cartesian	4.480	-8.860	-11.300	
70	Standard	-	Cartesian	14.655	-0.950	-10.300	
71	Standard	-	Cartesian	0.250	-10.210	-10.300	
72	Standard	-	Cartesian	0.000	-9.810	-10.300	
73	Standard	-	Cartesian	11.858	-2.850	-11.800	
74	Standard	-	Cartesian	5.890	-10.210	-10.300	
75	Standard	-	Cartesian	14.655	-2.850	-10.300	
76	Standard	-	Cartesian	5.890	-7.510	-10.300	
77	Standard	-	Cartesian	12.790	-5.655	-11.300	
78	Standard	-	Cartesian	14.655	-7.510	-10.300	
79	Standard	-	Cartesian	14.655	-5.655	-10.300	
80	Standard	-	Cartesian	10.925	-7.510	-10.300	
81	Standard	-	Cartesian	13.722	-6.582	-10.800	
82	Standard	-	Cartesian	14.655	-4.910	-10.300	
83	Standard	-	Cartesian	14.655	-6.582	-10.300	
84	Standard	-	Cartesian	10.925	-4.910	-10.300	
85	Standard	-	Cartesian	11.858	-4.727	-11.800	
86	Standard	-	Cartesian	14.655	0.000	-10.300	
87	Standard	-	Cartesian	14.655	-3.800	-10.300	
88	Standard	-	Cartesian	10.925	0.000	-10.300	
89	Standard	-	Cartesian	10.925	-3.800	-12.300	
90	Standard	-	Cartesian	5.890	0.000	-10.300	
91	Standard	-	Cartesian	14.655	-4.727	-10.300	
92	Standard	-	Cartesian	10.925	3.110	-10.300	
93	Standard	-	Cartesian	11.858	0.000	-10.300	
94	Standard	-	Cartesian	5.890	3.110	-10.300	
95	Standard	-	Cartesian	12.790	0.000	-10.300	
96	Standard	-	Cartesian	13.722	0.000	-10.300	
97	Standard	-	Cartesian	11.858	-7.510	-10.300	
98	Standard	-	Cartesian	12.790	-7.510	-10.300	
99	Standard	-	Cartesian	13.722	-7.510	-10.300	
100	Standard	-	Cartesian	3.070	0.000	-10.300	
101	Standard	-	Cartesian	3.070	-3.800	-12.300	
102	Standard	-	Cartesian	5.890	-3.800	-10.300	
103	Standard	-	Cartesian	3.070	-7.510	-12.300	
104	Standard	-	Cartesian	0.000	-7.510	-10.300	
105	Standard	-	Cartesian	3.070	-4.728	-12.300	
106	Standard	-	Cartesian	3.070	-5.655	-12.300	
107	Standard	-	Cartesian	3.070	-6.583	-12.300	
108	Standard	-	Cartesian	5.890	-6.583	-10.300	
109	Standard	-	Cartesian	5.890	-3.800	-12.300	
110	Standard	-	Cartesian	0.000	-6.583	-10.300	
111	Standard	-	Cartesian	5.890	-5.655	-10.300	
112	Standard	-	Cartesian	9.918	-7.510	-10.300	
113	Standard	-	Cartesian	0.000	-5.655	-10.300	
114	Standard	-	Cartesian	5.890	-4.727	-10.300	
115	Standard	-	Cartesian	9.918	0.000	-10.300	
116	Standard	-	Cartesian	0.000	-4.727	-10.300	
117	Standard	-	Cartesian	6.897	-3.800	-12.300	
118	Standard	-	Cartesian	7.904	-3.800	-12.300	
119	Standard	-	Cartesian	8.911	-3.800	-12.300	
120	Standard	-	Cartesian	9.918	-3.800	-12.300	
121	Standard	-	Cartesian	3.070	-10.210	-10.300	
122	Standard	-	Cartesian	8.911	-7.510	-10.300	
123	Standard	-	Cartesian	8.911	0.000	-10.300	
124	Standard	-	Cartesian	4.480	-10.210	-10.300	
125	Standard	-	Cartesian	7.904	-7.510	-10.300	
126	Standard	-	Cartesian	7.904	0.000	-10.300	
127	Standard	-	Cartesian	3.775	-8.185	-11.800	
128	Standard	-	Cartesian	6.897	-7.510	-10.300	
129	Standard	-	Cartesian	6.897	0.000	-10.300	
130	Standard	-	Cartesian	3.775	-10.210	-10.300	
131	Standard	-	Cartesian	5.185	-9.535	-10.800	
132	Standard	-	Cartesian	5.185	-10.210	-10.300	
133	Standard	-	Cartesian	1.535	-8.660	-11.300	
134	Standard	-	Cartesian	1.535	-10.210	-10.300	
135	Standard	-	Cartesian	2.303	-8.085	-11.800	
136	Standard	-	Cartesian	2.303	-10.210	-10.300	
137	Standard	-	Cartesian	0.767	-9.235	-10.800	
138	Standard	-	Cartesian	0.767	-10.210	-10.300	
139	Standard	-	Cartesian	0.000	-3.800	-10.300	
140	Standard	-	Cartesian	1.660	-1.900	-11.300	
141	Standard	-	Cartesian	0.000	-1.900	-10.300	
142	Standard	-	Cartesian	2.365	-2.850	-11.800	
143	Standard	-	Cartesian	0.000	-2.850	-10.300	



1.1 NODES

Node No.	Node Type	Reference Node	Coordinate System	Node Coordinates			Comment
				X [m]	Y [m]	Z [m]	
144	Standard	-	Cartesian	0.955	-0.950	-10.800	
145	Standard	-	Cartesian	0.000	-0.950	-10.300	
146	Standard	-	Cartesian	0.955	0.000	-10.300	
147	Standard	-	Cartesian	1.660	0.000	-10.300	
148	Standard	-	Cartesian	2.365	0.000	-10.300	
149	Standard	-	Cartesian	4.480	-1.900	-11.300	
150	Standard	-	Cartesian	4.480	0.000	-10.300	
151	Standard	-	Cartesian	5.185	-0.950	-10.800	
152	Standard	-	Cartesian	5.185	0.000	-10.300	
153	Standard	-	Cartesian	3.775	-2.850	-11.800	
154	Standard	-	Cartesian	3.775	0.000	-10.300	
155	Standard	-	Cartesian	14.655	-10.210	-6.650	
156	Standard	-	Cartesian	9.918	-1.900	-11.300	
157	Standard	-	Cartesian	9.918	-5.655	-11.300	
158	Standard	-	Cartesian	8.911	-1.900	-11.300	
159	Standard	-	Cartesian	8.911	-5.655	-11.300	
160	Standard	-	Cartesian	7.904	-1.900	-11.300	
161	Standard	-	Cartesian	7.904	-5.655	-11.300	
162	Standard	-	Cartesian	6.897	-1.900	-11.300	
163	Standard	-	Cartesian	6.897	-5.655	-11.300	
164	Standard	-	Cartesian	4.480	-3.800	-11.300	
165	Standard	-	Cartesian	1.535	-3.800	-11.300	
166	Standard	-	Cartesian	4.480	-4.727	-11.300	
167	Standard	-	Cartesian	1.535	-4.727	-11.300	
168	Standard	-	Cartesian	4.480	-5.655	-11.300	
169	Standard	-	Cartesian	1.535	-5.655	-11.300	
170	Standard	-	Cartesian	4.480	-6.583	-11.300	
171	Standard	-	Cartesian	1.535	-6.583	-11.300	
172	Standard	-	Cartesian	4.480	-7.510	-11.300	
173	Standard	-	Cartesian	1.535	-7.510	-11.300	
174	Standard	-	Cartesian	10.925	-5.655	-11.300	
175	Standard	-	Cartesian	10.925	-1.900	-11.300	
176	Standard	-	Cartesian	11.858	-2.850	-10.300	
177	Standard	-	Cartesian	11.858	-4.727	-10.300	
179	Standard	-	Cartesian	10.925	1.555	-3.000	
180	Standard	-	Cartesian	5.890	1.555	-3.000	

1.2 LINES

Line No.	Line Type	Nodes No.	Line Length		Comment
			L [m]		
1	Polyline	1,2	3.000	Z	
2	Polyline	3,5	3.000	Z	
3	Polyline	5,2	0.391	XY	
4	Polyline	2,6	3.650	Z	
5	Polyline	5,9	3.650	Z	
6	Polyline	9,6	0.391	XY	
7	Polyline	4,7	3.000	Z	
8	Polyline	7,10	3.650	Z	
9	Polyline	8,11	3.000	Z	
10	Polyline	12,13	3.000	Z	
11	Polyline	13,11	0.472	XY	
12	Polyline	11,14	3.650	Z	
13	Polyline	13,15	3.650	Z	
14	Polyline	15,14	0.472	XY	
15	Polyline	16,17	3.000	Z	
16	Polyline	17,18	3.650	Z	
17	Polyline	19,20	3.000	Z	
18	Polyline	20,24	3.650	Z	
19	Polyline	22,23	3.000	Z	
20	Polyline	33,36	3.730	X	
21	Polyline	25,26	3.000	Z	
22	Polyline	27,28	3.000	Z	
23	Polyline	28,26	0.464	XY	
24	Polyline	36,24	5.035	X	
25	Polyline	24,18	2.700	Y	
26	Polyline	6,30	3.650	Z	
27	Polyline	31,32	3.000	Z	
28	Polyline	32,33	3.650	Z	
29	Polyline	34,35	3.000	Z	
30	Polyline	35,36	3.650	Z	
31	Polyline	37,38	3.000	Z	
32	Polyline	38,39	3.650	Z	
33	Polyline	40,41	3.000	Z	
34	Polyline	41,42	3.650	Z	
35	Polyline	43,44	3.000	Z	
36	Polyline	44,45	3.650	Z	
37	Polyline	47,50	3.000	Z	
38	Polyline	50,51	3.650	Z	
39	Polyline	53,56	3.000	Z	
40	Polyline	46,48	3.000	Z	
41	Polyline	48,49	3.650	Z	
42	Polyline	56,57	3.650	Z	
43	Polyline	52,54	3.000	Z	
44	Polyline	54,55	3.650	Z	
45	Polyline	5,7	3.920	Y	
46	Polyline	7,13	5.590	Y	
47	Polyline	11,17	5.640	X	
48	Polyline	17,23	5.035	X	
49	Polyline	23,26	3.495	X	
50	Polyline	28,32	2.300	Y	
51	Polyline	32,38	2.600	Y	
52	Polyline	38,44	4.910	Y	
53	Polyline	44,48	3.730	X	
54	Polyline	48,179	1.555	Y	
55	Polyline	54,56	5.035	X	
57	Polyline	50,2	5.640	X	
58	Polyline	50,20	7.510	Y	



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1.2 LINES

Line No.	Line Type	Nodes No.	Line Length L [m]		Comment
59	Polyline	20,17	2.700	Y	
60	Polyline	48,41	4.910	Y	
61	Polyline	41,35	2.600	Y	
62	Polyline	35,23	2.700	Y	
63	Polyline	9,67	3.650	Z	
64	Polyline	67,30	0.391	XY	
65	Polyline	10,68	3.650	Z	
66	Polyline	9,10	3.920	Y	
67	Polyline	10,15	5.590	Y	
68	Polyline	14,18	5.640	X	
69	Polyline	14,71	3.650	Z	
70	Polyline	15,72	3.650	Z	
71	Polyline	72,71	0.472	XY	
72	Polyline	33,39	2.600	Y	
73	Polyline	39,45	4.910	Y	
74	Polyline	45,49	3.730	X	
75	Polyline	49,55	3.110	Y	
76	Polyline	55,57	5.035	X	
77	Polyline	57,51	3.110	Y	
78	Polyline	51,6	5.640	X	
79	Polyline	51,24	7.510	Y	
80	Polyline	24,24	0.000		
81	Polyline	49,42	4.910	Y	
82	Polyline	42,36	2.600	Y	
83	Polyline	18,74	3.650	Z	
84	Polyline	59,58	11.813	XY	
85	Polyline	58,60	5.640	X	
86	Polyline	60,61	3.110	Y	
87	Polyline	61,64	7.035	X	
88	Polyline	64,63	3.110	Y	
89	Polyline	63,62	3.730	X	
90	Polyline	62,65	11.810	Y	
91	Polyline	65,59	16.655	X	
92	Polyline	24,76	3.650	Z	
93	Polyline	78,99	0.933	X	
94	Polyline	4,12	5.590	Y	
95	Polyline	80,112	1.007	X	
96	Polyline	76,74	2.700	Y	
97	Polyline	33,78	3.650	Z	
98	Polyline	3,4	3.920	Y	
99	Polyline	36,80	3.650	Z	
100	Polyline	39,82	3.650	Z	
101	Polyline	42,84	3.650	Z	
102	Polyline	53,47	3.110	Y	
103	Polyline	45,86	3.650	Z	
104	Polyline	51,90	3.650	Z	
105	Polyline	49,88	3.650	Z	
106	Polyline	52,46	3.110	Y	
107	Polyline	57,94	3.650	Z	
108	Polyline	55,92	3.650	Z	
109	Polyline	43,37	4.910	Y	
110	Polyline	67,145	0.650	Y	
111	Polyline	68,116	0.507	Y	
112	Polyline	71,138	0.517	X	
113	Polyline	37,31	2.600	Y	
114	Polyline	78,83	0.928	Y	
115	Polyline	82,91	0.183	Y	
116	Polyline	86,96	0.933	X	
117	Polyline	31,27	2.300	Y	
118	Polyline	88,92	3.110	Y	
119	Polyline	92,94	5.035	X	
120	Polyline	94,90	3.110	Y	
121	Polyline	90,152	0.705	X	
122	Polyline	22,25	3.495	X	
123	Polyline	90,102	3.800	Y	
124	Polyline	88,84	4.910	Y	
125	Polyline	84,80	2.600	Y	
126	Polyline	16,22	5.035	X	
127	Polyline	101,105	0.928	Y	
128	Polyline	88,175	2.147	YZ	
129	Polyline	86,66	1.422		
130	Polyline	8,16	5.640	X	
131	Polyline	80,174	2.107	YZ	
132	Polyline	78,81	1.407		
133	Polyline	46,43	3.730	X	
134	Polyline	89,87	4.232	XZ	
135	Polyline	87,75	0.950	Y	
136	Polyline	21,29	2.116	XZ	
137	Polyline	53,52	5.035	X	
138	Polyline	21,73	1.422		
139	Polyline	29,70	0.950	Y	
140	Polyline	66,70	1.058	XZ	
141	Polyline	1,47	5.640	X	
142	Polyline	66,21	1.422		
143	Polyline	70,86	0.950	Y	
144	Polyline	73,75	3.174	XZ	
145	Polyline	75,29	0.950	Y	
146	Polyline	73,89	1.422		
147	Polyline	77,79	2.116	XZ	
148	Polyline	79,82	0.745	Y	
149	Polyline	77,85	1.407		
150	Polyline	81,83	1.058	XZ	
151	Polyline	83,79	0.928	Y	
152	Polyline	81,77	1.407		
153	Polyline	85,91	3.174	XZ	
154	Polyline	91,87	0.928	Y	
155	Polyline	85,89	1.407		
156	Polyline	73,93	3.221	YZ	
157	Polyline	93,88	0.933	X	
158	Polyline	21,95	2.147	YZ	



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1.2 LINES

Line No.	Line Type	Nodes No.	Line Length L [m]		Comment
159	Polyline	95,93	0.933	X	
160	Polyline	66,96	1.074	YZ	
161	Polyline	96,95	0.933	X	
162	Polyline	85,97	3.161	YZ	
163	Polyline	97,80	0.933	X	
164	Polyline	77,98	2.107	YZ	
165	Polyline	98,97	0.933	X	
166	Polyline	81,99	1.054	YZ	
167	Polyline	99,98	0.933	X	
168	Polyline	100,101	4.294	YZ	
169	Polyline	100,148	0.705	X	
170	Polyline	101,109	2.820	X	
171	Polyline	30,144	1.284		
172	Polyline	76,172	1.729	XZ	
173	Polyline	101,165	1.832	XZ	
174	Polyline	103,173	1.832	XZ	
175	Polyline	104,72	2.300	Y	
176	Polyline	74,131	1.097		
177	Polyline	72,137	1.082		
178	Polyline	101,164	1.729	XZ	
179	Polyline	102,114	0.928	Y	
180	Polyline	105,106	0.928	Y	
181	Polyline	106,107	0.928	Y	
182	Polyline	107,103	0.928	Y	
183	Polyline	108,170	1.729	XZ	
184	Polyline	107,171	1.832	XZ	
185	Polyline	110,104	0.928	Y	
186	Polyline	108,76	0.928	Y	
187	Polyline	111,168	1.729	XZ	
188	Polyline	106,169	1.832	XZ	
189	Polyline	113,110	0.927	Y	
190	Polyline	111,108	0.927	Y	
191	Polyline	114,166	1.729	XZ	
192	Polyline	105,167	1.832	XZ	
193	Polyline	116,113	0.928	Y	
194	Polyline	114,111	0.928	Y	
195	Polyline	90,151	1.284		
196	Polyline	90,109	4.294	YZ	
197	Polyline	109,117	1.007	X	
198	Polyline	109,76	4.215	YZ	
199	Polyline	117,118	1.007	X	
200	Polyline	118,119	1.007	X	
201	Polyline	119,120	1.007	X	
202	Polyline	120,89	1.007	X	
203	Polyline	115,156	2.147	YZ	
204	Polyline	112,157	2.107	YZ	
205	Polyline	112,122	1.007	X	
206	Polyline	123,158	2.147	YZ	
207	Polyline	122,159	2.107	YZ	
208	Polyline	122,125	1.007	X	
209	Polyline	126,160	2.147	YZ	
210	Polyline	125,161	2.107	YZ	
211	Polyline	125,128	1.007	X	
212	Polyline	129,162	2.147	YZ	
213	Polyline	128,163	2.107	YZ	
214	Polyline	128,76	1.007	X	
215	Polyline	103,121	3.360	YZ	
216	Polyline	121,130	0.705	X	
217	Polyline	69,124	1.680	YZ	
218	Polyline	69,127	1.097		
219	Polyline	124,132	0.705	X	
220	Polyline	127,130	2.520	YZ	
221	Polyline	130,124	0.705	X	
222	Polyline	127,103	1.097		
223	Polyline	131,132	0.840	YZ	
224	Polyline	131,69	1.097		
225	Polyline	132,74	0.705	X	
226	Polyline	133,134	1.845	YZ	
227	Polyline	134,136	0.767	X	
228	Polyline	133,135	1.082		
229	Polyline	135,136	2.601	YZ	
230	Polyline	136,121	0.767	X	
231	Polyline	135,103	1.082		
232	Polyline	137,138	1.096	YZ	
233	Polyline	138,134	0.768	X	
234	Polyline	137,133	1.082		
235	Polyline	139,68	0.420	Y	
236	Polyline	140,141	1.938	XZ	
237	Polyline	141,143	0.950	Y	
238	Polyline	140,142	1.284		
239	Polyline	142,143	2.801	XZ	
240	Polyline	143,139	0.950	Y	
241	Polyline	142,101	1.284		
242	Polyline	144,145	1.078	XZ	
243	Polyline	145,141	0.950	Y	
244	Polyline	144,140	1.284		
245	Polyline	144,146	1.074	YZ	
246	Polyline	146,30	0.705	X	
247	Polyline	140,147	2.147	YZ	
248	Polyline	147,146	0.705	X	
249	Polyline	142,148	3.221	YZ	
250	Polyline	148,147	0.705	X	
251	Polyline	149,150	2.147	YZ	
252	Polyline	150,154	0.705	X	
253	Polyline	149,153	1.284		
254	Polyline	151,152	1.074	YZ	
255	Polyline	152,150	0.705	X	
256	Polyline	151,149	1.284		
257	Polyline	153,154	3.221	YZ	
258	Polyline	154,100	0.705	X	

1.2 LINES

Line No.	Line Type	Nodes No.	Line Length L [m]		Comment
259	Polyline	153,101	1.284		
260	Polyline	156,157	3.755	Y	
261	Polyline	33,155	2.700	Y	
262	Polyline	155,18	8.765	X	
263	Polyline	156,120	2.147	YZ	
264	Polyline	157,120	2.107	YZ	
265	Polyline	158,159	3.755	Y	
266	Polyline	158,119	2.147	YZ	
267	Polyline	159,119	2.107	YZ	
268	Polyline	160,161	3.755	Y	
269	Polyline	160,118	2.147	YZ	
270	Polyline	161,118	2.107	YZ	
271	Polyline	162,163	3.755	Y	
272	Polyline	162,117	2.147	YZ	
273	Polyline	163,117	2.107	YZ	
274	Polyline	164,165	2.945	X	
275	Polyline	165,139	1.832	XZ	
276	Polyline	164,102	1.729	XZ	
277	Polyline	166,167	2.945	X	
278	Polyline	166,105	1.729	XZ	
279	Polyline	167,116	1.832	XZ	
280	Polyline	168,169	2.945	X	
281	Polyline	168,106	1.729	XZ	
282	Polyline	169,113	1.832	XZ	
283	Polyline	170,171	2.945	X	
284	Polyline	170,107	1.729	XZ	
285	Polyline	171,110	1.832	XZ	
286	Polyline	172,173	2.945	X	
287	Polyline	172,103	1.729	XZ	
288	Polyline	173,104	1.832	XZ	
289	Polyline	174,175	3.755	Y	
290	Polyline	175,89	2.147	YZ	
291	Polyline	174,89	2.107	YZ	
292	Polyline	73,176	1.500	Z	
293	Polyline	85,177	1.500	Z	
295	Polyline	54,179	1.555	Y	
296	Polyline	179,180	5.035	X	
297	Polyline	180,56	1.555	Y	
299	Polyline	180,50	1.555	Y	

1.3 MATERIALS

Matl. No.	Modulus E [kN/cm²]	Modulus G [kN/cm²]	Poisson's Ratio ν [-]	Spec. Weight γ [kN/m³]	Coeff. of Th. Exp. α [1/°C]	Partial Factor γ _M [-]	Material Model
1	Steel S 275 J0 EN 21000.00	10025-2:2004-11 8076.92	0.300	76.98	1.20E-05	1.00	Isotropic Linear Elastic
2	Steel S 235 EN 21000.00	10025-2:2004-11 8076.92	0.300	76.98	1.20E-05	1.00	Isotropic Linear Elastic
3	Concrete C25/30 EN 3100.00	1992-1-1:2004/A1:2014 1291.67	0.200	24.52	1.00E-05	1.00	Isotropic Linear Elastic
4	Poplar and Softwood Timber C16 EN 800.00	1995-1-1:2009-10 50.00	7.000	3.63	5.00E-06	1.30	Isotropic Linear Elastic

1.4 SURFACES

Surface No.	Surface Type		Boundary Lines No.	Matl. No.	Thickness		Area A [m²]	Weight W [kg]
	Geometry	Stiffness			Type	d [mm]		
1	Plane	Standard	3,45,46,11,47,59-57	3	Constant	180.0	60.049	27022.20
2	Plane	Standard	55,295,54,60-62,48,59,58,299,297	3	Constant	180.0	59.237	26656.50
3	Plane	Standard	60-62,49,23,50-53	3	Constant	180.0	38.036	17116.30
4	Plane	Standard	6,66,67,14,68,25,79,78	3	Constant	180.0	60.049	27022.20
5	Plane	Standard	64,110,243,237,240,235,111,193,189,185,175,71,112,233,227,230,216,221,219,225,96,186,190,194,179,123,121,255,252,258,169,250,248,246	3	Constant	150.0	60.049	22518.50
7	Plane	Standard	84-91	3	Constant	400.0	217.098	217098.00
8	Plane	Standard	46,7,94,10	3	Constant	250.0	16.770	10481.30
9	Plane	Standard	45,2,98,7	3	Constant	250.0	11.760	7350.00
10	Plane	Standard	299,297,39,102,37	3	Constant	250.0	9.330	5831.25
11	Plane	Standard	54,295,43,106,40	3	Constant	250.0	9.330	5831.25
12	Plane	Standard	35,109,31,52	3	Constant	250.0	14.730	9206.25
13	Plane	Standard	31,113,27,51	3	Constant	250.0	7.800	4875.00
14	Plane	Standard	27,117,22,50	3	Constant	250.0	6.900	4312.50
15	Plane	Standard	49,19,122,21	3	Constant	250.0	10.485	6553.13
16	Plane	Standard	48,15,126,19	3	Constant	250.0	15.105	9440.63
17	Plane	Standard	47,9,130,15	3	Constant	250.0	16.920	10575.00
18	Plane	Standard	40,133,35,53	3	Constant	250.0	11.190	6993.75
19	Plane	Standard	39,137,43,55	3	Constant	250.0	15.105	9440.63
20	Plane	Standard	1,141,37,57	3	Constant	250.0	16.920	10575.00
21	Plane	Standard	76,75,81,82,24,79,77	3	Constant	180.0	53.472	24062.30
22	Plane	Standard	74-72,20,82,81	3	Constant	180.0	28.012	12605.50
23	Plane	Standard	119,118,124,125,95,205,208,211,214,186,190,194,179,123,120,157,159,161,116,143,139,145,135,154,115,148,151,114,93,167,1	3	Constant	150.0	53.472	20051.90
24	Plane	Standard		3	Constant	150.0	28.012	10504.60



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1.4 SURFACES

Surface No.	Surface Type Geometry	Stiffness	Boundary Lines No.	Matl. No.	Thickness Type	d [mm]	Area A [m ²]	Weight W [kg]
25	Plane	Standard	165,163,125,124 24,20,261,262,25	3	Constant	180.0	23.665	10649.50

1.4.1 SURFACES - ECCENTRICITIES

Surface No.	Eccentricity e _z [mm]	Comment
7	-200.0	

1.4.2 SURFACES - INTEGRATED OBJECTS

Surface No.	Nodes	Integrated Objects No. Lines	Openings	Comment
2				
7	19,34,40	94,98,102,106,109,113,117,122,126, 130,133,137,141	1	
23	115,123,126, 129			
24	176,177			

1.6 OPENINGS

Opening No.	Boundary Lines No.	In Surface No.	Area A [m ²]	Comment
1	55,295-297	2	7.829	

1.9 SURFACE SUPPORTS

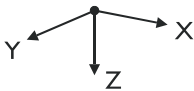
Found. No.	On Surfaces No.	Spring Constants RF-SOILIN	Translation Support or Spring [kN/m ³]			Shear Spring [kN/m]	
			u _x	u _y	u _z	v _{xz}	v _{yz}
1	7	-	☒	☒	☒	☒	☒
2	8-20	-	☐	☐	☒	☒	☒

1.13 CROSS-SECTIONS

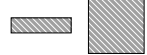
Section No.	Matl. No.	J [cm ⁴] A [cm ²]	I _y [cm ⁴] A _y [cm ²]	I _z [cm ⁴] A _z [cm ²]	Principal Axes α [°]	Rotation α' [°]	Overall Dimensions [mm]	
							Width b	Height h
1	Rectangle 1200/300 3	909954.88 3600.00	270000.00 3000.00	4320000.00 3000.00	0.00	0.00	1200.0	300.0
2	Rectangle 300/300 3	113940.00 900.00	67500.00 750.00	67500.00 750.00	0.00	0.00	300.0	300.0
3	Rectangle 400/300 3	194342.34 1200.00	90000.00 1000.00	160000.00 1000.00	0.00	0.00	400.0	300.0
4	Rectangle 500/300 3	281719.56 1500.00	112500.01 1250.00	312499.99 1250.00	0.00	0.00	500.0	300.0
5	Rectangle 300/1200 3	909954.88 3600.00	4320000.00 3000.00	270000.00 3000.00	0.00	0.00	300.0	1200.0
6	Rectangle 750/300 3	505259.41 2250.00	168749.98 1875.00	1054687.54 1875.00	0.00	0.00	750.0	300.0
7	Rectangle 600/300 3	370777.50 1800.00	135000.00 1500.00	540000.00 1500.00	0.00	0.00	600.0	300.0
8	Rectangle 250/370 3	112088.30 925.00	105527.09 770.83	48177.08 770.83	0.00	0.00	250.0	370.0
9	T-Rectangle 100/200 4	4577.50 200.00	6666.67 166.67	1666.67 166.67	0.00	0.00	100.0	200.0
10	T-Rectangle 70/140 4	1099.06 98.00	1600.67 81.67	400.17 81.67	0.00	0.00	70.0	140.0
11	Rectangle 300/570 3	343977.34 1710.00	462982.50 1425.00	128250.00 1425.00	0.00	0.00	300.0	570.0
12	Rectangle 300/420 3	211554.72 1260.00	185220.00 1050.00	94500.00 1050.00	0.00	0.00	300.0	420.0

1.14 MEMBER HINGES

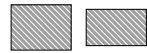
Release No.	Reference System	Axial/Shear Release or Spring[kN/m]			Moment Release or Spring[kNm/rad]			Comment
		u _x	u _y	u _z	φ _x	φ _y	φ _z	
1	Local x,y,z	☐	☐	☐	☐	☒	☒	



Rectangle 1200/300 Rectangle 300/300



Rectangle 400/300 Rectangle 500/300



Rectangle 300/1200 Rectangle 750/300



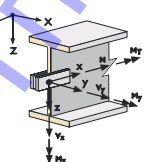
Rectangle 600/300 Rectangle 250/370



T-Rectangle 100/200 T-Rectangle 70/140



Rectangle 300/570 Rectangle 300/420



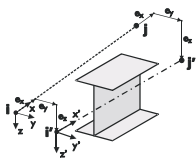
Date: 2/3/2021

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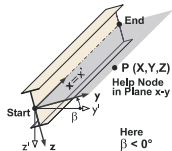
1.15/1 MEMBER ECCENTRICITIES - ABSOLUTE

Ecc. No.	Reference System	Member Start - Eccentricity [mm]			Member End - Eccentricity			Member hinge location	
		$e_{i,x}$	$e_{i,y}$	$e_{i,z}$	$e_{j,x}$	$e_{j,y}$	$e_{j,z}$	Member Start	Member End
1	Local	0.0	0.0	-275.0	0.0	0.0	-275.0	at member	at member

1.15/2 MEMBER ECCENTRICITIES - RELATIVE

Ecc. No.	Cross-Section Alignment		Transverse offset from cross-section of another obj.				Axial offset from adjacent	
	y-Axis	z-Axis	Object Type	Object No.	y-Axis	z-Axis	Member Sta	Member End
1	Middle	Middle	None	0	Middle	Middle	☐	☐

1.17 MEMBERS



Mbr. No.	Line No.	Member	Rotation		Cross-Section		Hinge No.		Ecc. No.	Div. No.	Length L [m]	
			Type	β [°]	Start	End	Start	End				
1	1	Beam	Angle	90.00	6	6	-	-	-	-	3.000	Z
2	2	Beam	Angle	180.00	2	2	-	-	-	-	3.000	Z
3	3	Coupling R-R	Angle	180.00	0	0	-	-	-	-	0.391	XY
4	4	Beam	Angle	90.00	6	6	-	-	-	-	3.650	Z
5	5	Beam	Angle	180.00	2	2	-	-	-	-	3.650	Z
6	6	Coupling R-R	Angle	180.00	0	0	-	-	-	-	0.391	XY
7	7	Beam	Angle	180.00	3	3	-	-	-	-	3.000	Z
8	8	Beam	Angle	180.00	3	3	-	-	-	-	3.650	Z
9	9	Beam	Angle	90.00	1	1	-	-	-	-	3.000	Z
10	10	Beam	Angle	180.00	4	4	-	-	-	-	3.000	Z
11	11	Coupling R-R	Angle	180.00	0	0	-	-	-	-	0.472	XY
12	12	Beam	Angle	90.00	1	1	-	-	-	-	3.650	Z
13	13	Beam	Angle	180.00	4	4	-	-	-	-	3.650	Z
14	14	Coupling R-R	Angle	180.00	0	0	-	-	-	-	0.472	XY
15	15	Beam	Angle	90.00	1	1	-	-	-	-	3.000	Z
16	16	Beam	Angle	90.00	1	1	-	-	-	-	3.650	Z
17	17	Beam	Angle	90.00	5	5	-	-	-	-	3.000	Z
18	18	Beam	Angle	90.00	5	5	-	-	-	-	3.650	Z
19	19	Beam	Angle	90.00	4	4	-	-	-	-	3.000	Z
20	25	Rib	Angle	0.00	8	8	-	-	-	-	2.700	Y
21	21	Beam	Angle	90.00	6	6	-	-	-	-	3.000	Z
22	22	Beam	Angle	180.00	4	4	-	-	-	-	3.000	Z
23	23	Coupling R-R	Angle	180.00	0	0	-	-	-	-	0.464	XY
24	26	Beam	Angle	90.00	6	6	-	-	-	-	3.650	Z
25	63	Beam	Angle	180.00	2	2	-	-	-	-	3.650	Z
26	64	Coupling R-R	Angle	180.00	0	0	-	-	-	-	0.391	XY
27	27	Beam	Angle	180.00	1	1	-	-	-	-	3.000	Z
28	28	Beam	Angle	180.00	1	1	-	-	-	-	3.650	Z
29	29	Beam	Angle	180.00	2	2	-	-	-	-	3.000	Z
30	30	Beam	Angle	180.00	2	2	-	-	-	-	3.650	Z
31	31	Beam	Angle	180.00	3	3	-	-	-	-	3.000	Z
32	32	Beam	Angle	180.00	3	3	-	-	-	-	3.650	Z
33	33	Beam	Angle	180.00	3	3	-	-	-	-	3.000	Z
34	34	Beam	Angle	180.00	3	3	-	-	-	-	3.650	Z
35	35	Beam	Angle	90.00	1	1	-	-	-	-	3.000	Z
36	36	Beam	Angle	90.00	1	1	-	-	-	-	3.650	Z
37	40	Beam	Angle	90.00	7	7	-	-	-	-	3.000	Z
38	41	Beam	Angle	90.00	7	7	-	-	-	-	3.650	Z
39	37	Beam	Angle	90.00	5	5	-	-	-	-	3.000	Z
40	38	Beam	Angle	90.00	5	5	-	-	-	-	3.650	Z
41	43	Beam	Angle	90.00	1	1	-	-	-	-	3.000	Z
42	44	Beam	Angle	90.00	1	1	-	-	-	-	3.650	Z
43	39	Beam	Angle	90.00	1	1	-	-	-	-	3.000	Z
44	42	Beam	Angle	90.00	1	1	-	-	-	-	3.650	Z
45	45	Rib	Angle	0.00	8	8	-	-	-	-	3.920	Y
46	46	Rib	Angle	0.00	8	8	-	-	-	-	5.590	Y
47	47	Rib	Angle	0.00	8	8	-	-	-	-	5.640	X
48	48	Rib	Angle	0.00	8	8	-	-	-	-	5.035	X
49	49	Rib	Angle	0.00	8	8	-	-	-	-	3.495	X
50	50	Rib	Angle	0.00	8	8	-	-	-	-	2.300	Y
51	51	Rib	Angle	0.00	8	8	-	-	-	-	2.600	Y
52	52	Rib	Angle	0.00	8	8	-	-	-	-	4.910	Y
53	53	Rib	Angle	0.00	8	8	-	-	-	-	3.730	X
54	54	Rib	Angle	0.00	8	8	-	-	-	-	1.555	Y
55	55	Rib	Angle	0.00	8	8	-	-	-	-	5.035	X
56	297	Rib	Angle	0.00	8	8	-	-	-	-	1.555	Y
57	57	Rib	Angle	0.00	8	8	-	-	-	-	5.640	X
58	58	Rib	Angle	0.00	12	12	-	-	-	-	7.510	Y
59	59	Rib	Angle	0.00	8	8	-	-	-	-	2.700	Y
60	60	Rib	Angle	0.00	8	8	-	-	-	-	4.910	Y
61	61	Rib	Angle	0.00	8	8	-	-	-	-	2.600	Y
62	62	Rib	Angle	0.00	8	8	-	-	-	-	2.700	Y
63	66	Rib	Angle	0.00	8	8	-	-	-	-	3.920	Y
64	67	Rib	Angle	0.00	8	8	-	-	-	-	5.590	Y
65	68	Rib	Angle	0.00	8	8	-	-	-	-	5.640	X
66	65	Beam	Angle	180.00	3	3	-	-	-	-	3.650	Z
67	69	Beam	Angle	90.00	1	1	-	-	-	-	3.650	Z
68	70	Beam	Angle	180.00	4	4	-	-	-	-	3.650	Z
69	72	Rib	Angle	0.00	8	8	-	-	-	-	2.600	Y
70	73	Rib	Angle	0.00	8	8	-	-	-	-	4.910	Y
71	74	Rib	Angle	0.00	8	8	-	-	-	-	3.730	X
72	75	Rib	Angle	0.00	8	8	-	-	-	-	3.110	Y
73	76	Rib	Angle	0.00	8	8	-	-	-	-	5.035	X
74	77	Rib	Angle	0.00	8	8	-	-	-	-	3.110	Y
75	78	Rib	Angle	0.00	8	8	-	-	-	-	5.640	X
76	79	Rib	Angle	0.00	12	12	-	-	-	-	7.510	Y
77	71	Coupling R-R	Angle	180.00	0	0	-	-	-	-	0.472	XY
78	81	Rib	Angle	0.00	12	12	-	-	-	-	4.910	Y
79	82	Rib	Angle	0.00	8	8	-	-	-	-	2.600	Y
80	20	Rib	Angle	0.00	8	8	-	-	-	-	3.730	X
81	24	Rib	Angle	0.00	11	11	-	-	-	-	5.035	X



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1.17 MEMBERS

Mbr. No.	Line No.	Member	Rotation		Cross-Section		Hinge No.		Ecc. No.	Div. No.	Length L [m]	
			Type	β [°]	Start	End	Start	End				
82	83	Beam	Angle	90.00	1	1	-	-	-	-	3.650	Z
83	92	Beam	Angle	90.00	5	5	-	-	-	-	3.650	Z
84	96	Rib	Angle	0.00	8	8	-	-	-	-	2.700	Y
85	97	Beam	Angle	180.00	1	1	-	-	-	-	3.650	Z
86	99	Beam	Angle	180.00	2	2	-	-	-	-	3.650	Z
87	100	Beam	Angle	180.00	3	3	-	-	-	-	3.650	Z
88	101	Beam	Angle	180.00	3	3	-	-	-	-	3.650	Z
89	103	Beam	Angle	90.00	1	1	-	-	-	-	3.650	Z
90	105	Beam	Angle	90.00	7	7	-	-	-	-	3.650	Z
91	104	Beam	Angle	90.00	5	5	-	-	-	-	3.650	Z
92	108	Beam	Angle	90.00	1	1	-	-	-	-	3.650	Z
93	107	Beam	Angle	90.00	1	1	-	-	-	-	3.650	Z
94	110	Rib	Angle	0.00	8	8	-	-	-	-	0.650	Y
95	111	Rib	Angle	0.00	8	8	-	-	-	-	0.507	Y
96	112	Rib	Angle	0.00	8	8	-	-	-	-	0.517	X
97	114	Rib	Angle	0.00	8	8	-	-	-	-	0.928	Y
98	115	Rib	Angle	0.00	8	8	-	-	-	-	0.183	Y
99	116	Rib	Angle	0.00	8	8	-	-	-	-	0.933	X
100	118	Rib	Angle	0.00	8	8	-	-	-	-	3.110	Y
101	119	Rib	Angle	0.00	8	8	-	-	-	-	5.035	X
102	120	Rib	Angle	0.00	8	8	-	-	-	-	3.110	Y
103	121	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
104	123	Rib	Angle	0.00	8	8	-	-	-	-	3.800	Y
105	124	Rib	Angle	0.00	8	8	-	-	-	-	4.910	Y
106	125	Rib	Angle	0.00	8	8	-	-	-	-	2.600	Y
107	93	Rib	Angle	0.00	8	8	-	-	-	-	0.933	X
108	95	Rib	Angle	0.00	8	8	-	-	-	-	1.007	X
109	179	Rib	Angle	0.00	8	8	-	-	-	-	0.928	Y
110	128	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
111	135	Rib	Angle	0.00	8	8	-	-	-	-	0.950	Y
112	131	Beam	Angle	180.00	10	10	-	-	-	-	2.107	YZ
113	129	Beam	Angle	180.00	9	9	-	-	-	-	1.422	
114	132	Beam	Angle	180.00	9	9	-	-	-	-	1.407	
115	134	Beam	Angle	180.00	9	9	-	-	-	-	4.232	XZ
116	136	Beam	Angle	180.00	10	10	-	-	-	-	2.116	XZ
117	139	Rib	Angle	0.00	8	8	-	-	-	-	0.950	Y
118	138	Beam	Angle	180.00	9	9	-	-	-	-	1.422	
119	140	Beam	Angle	180.00	10	10	-	-	-	-	1.058	XZ
120	142	Beam	Angle	180.00	9	9	-	-	-	-	1.422	
121	143	Rib	Angle	0.00	8	8	-	-	-	-	0.950	Y
122	144	Beam	Angle	180.00	10	10	-	-	-	-	3.174	XZ
123	145	Rib	Angle	0.00	8	8	-	-	-	-	0.950	Y
124	146	Beam	Angle	180.00	9	9	-	-	-	-	1.422	
125	147	Beam	Angle	180.00	10	10	-	-	-	-	2.116	XZ
126	148	Rib	Angle	0.00	8	8	-	-	-	-	0.745	Y
127	149	Beam	Angle	180.00	9	9	-	-	-	-	1.407	
128	150	Beam	Angle	180.00	10	10	-	-	-	-	1.058	XZ
129	151	Rib	Angle	0.00	8	8	-	-	-	-	0.928	Y
130	152	Beam	Angle	180.00	9	9	-	-	-	-	1.407	
131	153	Beam	Angle	180.00	10	10	-	-	-	-	3.174	XZ
132	154	Rib	Angle	0.00	8	8	-	-	-	-	0.928	Y
133	155	Beam	Angle	180.00	9	9	-	-	-	-	1.407	
134	156	Beam	Angle	180.00	10	10	-	-	-	-	3.221	YZ
135	157	Rib	Angle	0.00	8	8	-	-	-	-	0.933	X
136	158	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
137	159	Rib	Angle	0.00	8	8	-	-	-	-	0.933	X
138	160	Beam	Angle	180.00	10	10	-	-	-	-	1.074	YZ
139	161	Rib	Angle	0.00	8	8	-	-	-	-	0.933	X
140	162	Beam	Angle	180.00	10	10	-	-	-	-	3.161	YZ
141	163	Rib	Angle	0.00	8	8	-	-	-	-	0.933	X
142	164	Beam	Angle	180.00	10	10	-	-	-	-	2.107	YZ
143	165	Rib	Angle	0.00	8	8	-	-	-	-	0.933	X
144	166	Beam	Angle	180.00	10	10	-	-	-	-	1.054	YZ
145	167	Rib	Angle	0.00	8	8	-	-	-	-	0.933	X
146	168	Beam	Angle	180.00	10	10	-	-	-	-	4.294	YZ
147	169	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
148	170	Beam	Angle	180.00	9	9	-	-	-	-	2.820	X
149	171	Beam	Angle	180.00	10	10	-	-	-	-	1.284	
150	127	Beam	Angle	180.00	9	9	-	-	-	-	0.928	Y
151	172	Beam	Angle	180.00	10	10	-	-	-	-	1.729	XZ
152	174	Beam	Angle	180.00	10	10	-	-	-	-	1.832	XZ
153	175	Rib	Angle	0.00	8	8	-	-	-	-	2.300	Y
154	176	Beam	Angle	180.00	9	9	-	-	-	-	1.097	
155	177	Beam	Angle	180.00	9	9	-	-	-	-	1.082	
156	235	Rib	Angle	0.00	8	8	-	-	-	-	0.420	Y
157	178	Beam	Angle	180.00	9	9	-	-	-	-	1.729	XZ
158	180	Beam	Angle	180.00	9	9	-	-	-	-	0.928	Y
159	181	Beam	Angle	180.00	9	9	-	-	-	-	0.928	Y
160	182	Beam	Angle	180.00	9	9	-	-	-	-	0.928	Y
161	183	Beam	Angle	180.00	10	10	-	-	-	-	1.729	XZ
162	184	Beam	Angle	180.00	10	10	-	-	-	-	1.832	XZ
163	185	Rib	Angle	0.00	8	8	-	-	-	-	0.928	Y
164	186	Rib	Angle	0.00	8	8	-	-	-	-	0.928	Y
165	187	Beam	Angle	180.00	10	10	-	-	-	-	1.729	XZ
166	188	Beam	Angle	180.00	10	10	-	-	-	-	1.832	XZ
167	189	Rib	Angle	0.00	8	8	-	-	-	-	0.927	Y
168	190	Rib	Angle	0.00	8	8	-	-	-	-	0.927	Y
169	191	Beam	Angle	180.00	10	10	-	-	-	-	1.729	XZ
170	192	Beam	Angle	180.00	10	10	-	-	-	-	1.832	XZ
171	193	Rib	Angle	0.00	8	8	-	-	-	-	0.928	Y
172	194	Rib	Angle	0.00	8	8	-	-	-	-	0.928	Y
173	195	Beam	Angle	180.00	9	9	-	-	-	-	1.284	
174	196	Beam	Angle	180.00	10	10	-	-	-	-	4.294	YZ
175	197	Beam	Angle	180.00	9	9	-	-	-	-	1.007	X
176	198	Beam	Angle	180.00	10	10	-	-	-	-	4.215	YZ
177	199	Beam	Angle	180.00	9	9	-	-	-	-	1.007	X
178	200	Beam	Angle	180.00	9	9	-	-	-	-	1.007	X
179	201	Beam	Angle	180.00	9	9	-	-	-	-	1.007	X
180	202	Beam	Angle	180.00	9	9	-	-	-	-	1.007	X
181	203	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ



1.17 MEMBERS

Mbr. No.	Line No.	Member	Rotation		Cross-Section		Hinge No.		Ecc. No.	Div. No.	Length L [m]	
			Type	β [°]	Start	End	Start	End				
182	204	Beam	Angle	180.00	10	10	-	-	-	-	2.107	YZ
183	205	Rib	Angle	0.00	8	8	-	-	-	-	1.007	X
184	206	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
185	207	Beam	Angle	180.00	10	10	-	-	-	-	2.107	YZ
186	208	Rib	Angle	0.00	8	8	-	-	-	-	1.007	X
187	209	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
188	210	Beam	Angle	180.00	10	10	-	-	-	-	2.107	YZ
189	211	Rib	Angle	0.00	8	8	-	-	-	-	1.007	X
190	212	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
191	213	Beam	Angle	180.00	10	10	-	-	-	-	2.107	YZ
192	214	Rib	Angle	0.00	8	8	-	-	-	-	1.007	X
193	215	Beam	Angle	180.00	9	9	-	-	-	-	3.360	YZ
194	216	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
195	217	Beam	Angle	180.00	10	10	-	-	-	-	1.680	YZ
196	218	Beam	Angle	180.00	9	9	-	-	-	-	1.097	
197	219	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
198	220	Beam	Angle	180.00	10	10	-	-	-	-	2.520	YZ
199	221	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
200	222	Beam	Angle	180.00	9	9	-	-	-	-	1.097	
201	223	Beam	Angle	180.00	10	10	-	-	-	-	0.840	YZ
202	224	Beam	Angle	180.00	9	9	-	-	-	-	1.097	
203	225	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
204	226	Beam	Angle	180.00	10	10	-	-	-	-	1.845	YZ
205	227	Rib	Angle	0.00	8	8	-	-	-	-	0.767	X
206	228	Beam	Angle	180.00	9	9	-	-	-	-	1.082	
207	229	Beam	Angle	180.00	10	10	-	-	-	-	2.601	YZ
208	230	Rib	Angle	0.00	8	8	-	-	-	-	0.767	X
209	231	Beam	Angle	180.00	9	9	-	-	-	-	1.082	
210	232	Beam	Angle	180.00	10	10	-	-	-	-	1.096	YZ
211	233	Rib	Angle	0.00	8	8	-	-	-	-	0.768	X
212	234	Beam	Angle	180.00	9	9	-	-	-	-	1.082	
213	173	Beam	Angle	180.00	10	10	-	-	-	-	1.832	XZ
214	236	Beam	Angle	180.00	10	10	-	-	-	-	1.938	XZ
215	237	Rib	Angle	0.00	8	8	-	-	-	-	0.950	Y
216	238	Beam	Angle	180.00	10	10	-	-	-	-	1.284	
217	239	Beam	Angle	180.00	10	10	-	-	-	-	2.801	XZ
218	240	Rib	Angle	0.00	8	8	-	-	-	-	0.950	Y
219	241	Beam	Angle	180.00	10	10	-	-	-	-	1.284	
220	242	Beam	Angle	180.00	10	10	-	-	-	-	1.078	XZ
221	243	Rib	Angle	0.00	8	8	-	-	-	-	0.950	Y
222	244	Beam	Angle	180.00	10	10	-	-	-	-	1.284	
223	245	Beam	Angle	180.00	10	10	-	-	-	-	1.074	YZ
224	246	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
225	247	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
226	248	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
227	249	Beam	Angle	180.00	10	10	-	-	-	-	3.221	YZ
228	250	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
229	251	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
230	252	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
231	253	Beam	Angle	180.00	9	9	-	-	-	-	1.284	
232	254	Beam	Angle	180.00	10	10	-	-	-	-	1.074	YZ
233	255	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
234	256	Beam	Angle	180.00	9	9	-	-	-	-	1.284	
235	257	Beam	Angle	180.00	10	10	-	-	-	-	3.221	YZ
236	258	Rib	Angle	0.00	8	8	-	-	-	-	0.705	X
237	259	Beam	Angle	180.00	9	9	-	-	-	-	1.284	
238	261	Rib	Angle	0.00	8	8	-	-	-	-	2.700	Y
239	260	Beam	Angle	0.00	10	10	1	1	-	-	3.755	Y
240	263	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
241	264	Beam	Angle	180.00	10	10	-	-	-	-	2.107	YZ
242	265	Beam	Angle	0.00	10	10	1	1	-	-	3.755	Y
243	266	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
244	267	Beam	Angle	180.00	10	10	-	-	-	-	2.107	YZ
245	268	Beam	Angle	0.00	10	10	1	1	-	-	3.755	Y
246	269	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
247	270	Beam	Angle	180.00	10	10	-	-	-	-	2.107	YZ
248	271	Beam	Angle	0.00	10	10	-	-	-	-	3.755	Y
249	272	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
250	273	Beam	Angle	180.00	10	10	-	-	-	-	2.107	YZ
251	274	Beam	Angle	0.00	10	10	1	1	-	-	2.945	X
252	276	Beam	Angle	180.00	9	9	-	-	-	-	1.729	XZ
253	275	Beam	Angle	180.00	10	10	-	-	-	-	1.832	XZ
254	277	Beam	Angle	0.00	10	10	1	1	-	-	2.945	X
255	278	Beam	Angle	180.00	10	10	-	-	-	-	1.729	XZ
256	279	Beam	Angle	180.00	10	10	-	-	-	-	1.832	XZ
257	280	Beam	Angle	0.00	10	10	1	1	-	-	2.945	X
258	281	Beam	Angle	180.00	10	10	-	-	-	-	1.729	XZ
259	282	Beam	Angle	180.00	10	10	-	-	-	-	1.832	XZ
260	283	Beam	Angle	0.00	10	10	1	1	-	-	2.945	X
261	284	Beam	Angle	180.00	10	10	-	-	-	-	1.729	XZ
262	285	Beam	Angle	180.00	10	10	-	-	-	-	1.832	XZ
263	286	Beam	Angle	0.00	10	10	1	1	-	-	2.945	X
264	287	Beam	Angle	180.00	10	10	-	-	-	-	1.729	XZ
265	288	Beam	Angle	180.00	10	10	-	-	-	-	1.832	XZ
266	289	Beam	Angle	0.00	10	10	1	1	-	-	3.755	Y
267	290	Beam	Angle	180.00	10	10	-	-	-	-	2.147	YZ
268	291	Beam	Angle	180.00	10	10	-	-	-	-	2.107	YZ
269	292	Beam	Angle	180.00	9	9	-	-	-	-	1.500	Z
270	293	Beam	Angle	180.00	9	9	-	-	-	-	1.500	Z
271	295	Rib	Angle	0.00	8	8	-	-	-	-	1.555	Y
272	299	Rib	Angle	0.00	8	8	-	-	-	-	1.555	Y



Date: 2/3/2021

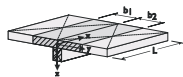
Project:

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1.18 RIBS



Mbr. No.	Rib Position	Effective Width - Side 1		Effective Width - Side 2		Comment
		Surface No.	b ₁ [m]	Surface No.	b ₂ [m]	
20	On +z-edge	4	0.337	25	0.337	
45	On +z-edge	1	0.653		0.000	
46	On +z-edge	1	0.932		0.000	
47	On +z-edge	1	0.940		0.000	
48	On +z-edge	2	0.839		0.000	
49	On +z-edge	3	0.582		0.000	
50	On +z-edge	3	0.383		0.000	
51	On +z-edge	3	0.433		0.000	
52	On +z-edge	3	0.818		0.000	
53	On +z-edge	3	0.622		0.000	
54	On +z-edge	2	0.518		0.000	
55	On +z-edge	2	0.839		0.000	
56	On +z-edge	2	0.518		0.000	
57	On +z-edge	1	0.940		0.000	
58	On +z-edge	1	0.809	2	0.809	
59	On +z-edge	1	0.468	2	0.468	
60	On +z-edge	2	0.614	3	0.614	
61	On +z-edge	2	0.325	3	0.325	
62	On +z-edge	2	0.338	3	0.338	
63	On +z-edge	4	0.653		0.000	
64	On +z-edge	4	0.932		0.000	
65	On +z-edge	4	0.940		0.000	
69	On +z-edge	22	0.433		0.000	
70	On +z-edge	22	0.818		0.000	
71	On +z-edge	22	0.622		0.000	
72	On +z-edge	21	0.518		0.000	
73	On +z-edge	21	0.839		0.000	
74	On +z-edge	21	0.518		0.000	
75	On +z-edge	4	0.940		0.000	
76	On +z-edge	4	0.939	21	0.939	
78	On +z-edge	21	0.614	22	0.614	
79	On +z-edge	21	0.325	22	0.325	
80	On +z-edge	22	0.466	25	0.466	
81	On +z-edge	21	0.629	25	0.629	
84	On +z-edge	5	0.450		0.000	
94	On +z-edge	5	0.653		0.000	
95	On +z-edge	5	0.932		0.000	
96	On +z-edge	5	0.940		0.000	
97	On +z-edge	24	0.433		0.000	
98	On +z-edge	24	0.818		0.000	
99	On +z-edge	24	0.622		0.000	
100	On +z-edge	23	0.518		0.000	
101	On +z-edge	23	0.839		0.000	
102	On +z-edge	23	0.518		0.000	
103	On +z-edge	5	0.940		0.000	
104	On +z-edge	5	0.939	23	0.939	
105	On +z-edge	23	0.614	24	0.614	
106	On +z-edge	23	0.325	24	0.325	
107	On +z-edge	24	0.622		0.000	
108	On +z-edge	23	0.839		0.000	
109	On +z-edge	5	0.939	23	0.939	
111	On +z-edge	24	0.818		0.000	
117	On +z-edge	24	0.818		0.000	
121	On +z-edge	24	0.818		0.000	
123	On +z-edge	24	0.818		0.000	
126	On +z-edge	24	0.433		0.000	
129	On +z-edge	24	0.433		0.000	
132	On +z-edge	24	0.818		0.000	
135	On +z-edge	24	0.622		0.000	
137	On +z-edge	24	0.622		0.000	
139	On +z-edge	24	0.622		0.000	
141	On +z-edge	24	0.622		0.000	
143	On +z-edge	24	0.622		0.000	
145	On +z-edge	24	0.622		0.000	
147	On +z-edge	5	0.940		0.000	
153	On +z-edge	5	0.932		0.000	
156	On +z-edge	5	0.653		0.000	
163	On +z-edge	5	0.932		0.000	
164	On +z-edge	5	0.939	23	0.939	
167	On +z-edge	5	0.932		0.000	
168	On +z-edge	5	0.939	23	0.939	
171	On +z-edge	5	0.932		0.000	
172	On +z-edge	5	0.939	23	0.939	
183	On +z-edge	23	0.839		0.000	
186	On +z-edge	23	0.839		0.000	
189	On +z-edge	23	0.839		0.000	
192	On +z-edge	23	0.839		0.000	
194	On +z-edge	5	0.940		0.000	
197	On +z-edge	5	0.940		0.000	
199	On +z-edge	5	0.940		0.000	
203	On +z-edge	5	0.940		0.000	
205	On +z-edge	5	0.940		0.000	
208	On +z-edge	5	0.940		0.000	
211	On +z-edge	5	0.940		0.000	
215	On +z-edge	5	0.653		0.000	
218	On +z-edge	5	0.653		0.000	
221	On +z-edge	5	0.653		0.000	
224	On +z-edge	5	0.940		0.000	
226	On +z-edge	5	0.940		0.000	
228	On +z-edge	5	0.940		0.000	
230	On +z-edge	5	0.940		0.000	
233	On +z-edge	5	0.940		0.000	
236	On +z-edge	5	0.940		0.000	
238	On +z-edge	25	0.450		0.000	
271	On +z-edge	2	0.518		0.000	
272	On +z-edge	2	0.518		0.000	

2.1 LOAD CASES

Load Case	Load Case Description	EN 1990 ELOT Action Category	Self-Weight - Factor in Direction			
			Active	X	Y	Z
LC1	Self-weight	Permanent	☒	0.000	0.000	1.000
LC2	epikalipseis	Permanent/Imposed	☐			
LC3	1,50 kN/m ² eksoteriki toixopoiia	Permanent/Imposed	☐			
LC4	5,00 kN/m esoteriki toixopoiia	Permanent/Imposed	☐			
LC5	2,10 kN/m Imposed load	Imposed - Category A: domestic, residential areas	☐			
	5,00 kN/m ²					
LC6	Snow	Snow (H ≤ 1000 m a.s.l.)	☐			
LC7	Wind in +X	Wind	☐			
LC8	Wind in +Y	Wind	☐			

2.1.1 LOAD CASES - CALCULATION PARAMETERS

Load Case	Load Case Description	Calculation Parameters	
		Method of analysis	Activate stiffness factors of:
LC1	Self-weight	☒ Geometrically linear analysis ☒ Newton-Raphson	☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
LC2	epikalipseis	☒ Geometrically linear analysis ☒ Newton-Raphson	☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
LC3	eksoteriki toixopoiia	☒ Geometrically linear analysis ☒ Newton-Raphson	☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
LC4	esoteriki toixopoiia	☒ Geometrically linear analysis ☒ Newton-Raphson	☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
LC5	Imposed load	☒ Geometrically linear analysis ☒ Newton-Raphson	☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
LC6	Snow	☒ Geometrically linear analysis ☒ Newton-Raphson	☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
LC7	Wind in +X	☒ Geometrically linear analysis ☒ Newton-Raphson	☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
LC8	Wind in +Y	☒ Geometrically linear analysis ☒ Newton-Raphson	☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)

2.5 LOAD COMBINATIONS

Load Combin.	DS	Load Combination Description	No.	Factor	Load Case	
CO1	STR	1.35*LC1 + 1.35*LC2 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	1	1.35	LC1	Self-weight
			2	1.35	LC2	epikalipseis
			3	1.50	LC5	Imposed load
			4	0.75	LC6	Snow
			5	0.90	LC7	Wind in +X
CO2	STR	1.35*LC1 + 1.35*LC2 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	1	1.35	LC1	Self-weight
			2	1.35	LC2	epikalipseis
			3	1.50	LC5	Imposed load
			4	0.75	LC6	Snow
			5	0.90	LC8	Wind in +Y
CO3	STR	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	1	1.35	LC1	Self-weight
			2	1.35	LC2	epikalipseis
			3	1.35	LC3	eksoteriki toixopoiia
			4	1.50	LC5	Imposed load
			5	0.75	LC6	Snow
CO4	STR	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	6	0.90	LC7	Wind in +X
			1	1.35	LC1	Self-weight
			2	1.35	LC2	epikalipseis
			3	1.35	LC3	eksoteriki toixopoiia
			4	1.50	LC5	Imposed load
CO5	STR	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	5	0.75	LC6	Snow
			6	0.90	LC8	Wind in +Y
			1	1.35	LC1	Self-weight
			2	1.35	LC2	epikalipseis
			3	1.35	LC3	eksoteriki toixopoiia
			4	1.35	LC4	esoteriki toixopoiia
			5	1.50	LC5	Imposed load

2.5 LOAD COMBINATIONS

Load Combin.	DS	Load Combination Description	No.	Factor	Load Case	
CO6	STR	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	6	0.75	LC6	Snow
			7	0.90	LC7	Wind in +X
			1	1.35	LC1	Self-weight
			2	1.35	LC2	epikalipseis
			3	1.35	LC3	eksoteriki toixopoiia
			4	1.35	LC4	esoteriki toixopoiia
			5	1.50	LC5	Imposed load
CO7	STR	1.35*LC1 + 1.35*LC2 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	6	0.75	LC6	Snow
			7	0.90	LC8	Wind in +Y
			1	1.35	LC1	Self-weight
			2	1.35	LC2	epikalipseis
			3	1.35	LC4	esoteriki toixopoiia
			4	1.50	LC5	Imposed load
			5	0.75	LC6	Snow
CO8	STR	1.35*LC1 + 1.35*LC2 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	6	0.90	LC7	Wind in +X
			1	1.35	LC1	Self-weight
			2	1.35	LC2	epikalipseis
			3	1.35	LC4	esoteriki toixopoiia
			4	1.50	LC5	Imposed load
			5	0.75	LC6	Snow
			6	0.90	LC8	Wind in +Y
CO9	STR	1.35*LC1 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	1	1.35	LC1	Self-weight
			2	1.35	LC3	eksoteriki toixopoiia
			3	1.50	LC5	Imposed load
			4	0.75	LC6	Snow
			5	0.90	LC7	Wind in +X
			1	1.35	LC1	Self-weight
			2	1.35	LC3	eksoteriki toixopoiia
CO10	STR	1.35*LC1 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	3	1.50	LC5	Imposed load
			4	0.75	LC6	Snow
			5	0.90	LC7	Wind in +X
			1	1.35	LC1	Self-weight
			2	1.35	LC3	eksoteriki toixopoiia
			3	1.50	LC5	Imposed load
			4	0.75	LC6	Snow
CO11	STR	1.35*LC1 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	5	0.90	LC8	Wind in +Y
			1	1.35	LC1	Self-weight
			2	1.35	LC3	eksoteriki toixopoiia
			3	1.35	LC4	esoteriki toixopoiia
			4	1.50	LC5	Imposed load
			5	0.75	LC6	Snow
			6	0.90	LC7	Wind in +X
CO12	STR	1.35*LC1 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	1	1.35	LC1	Self-weight
			2	1.35	LC3	eksoteriki toixopoiia
			3	1.35	LC4	esoteriki toixopoiia
			4	1.50	LC5	Imposed load
			5	0.75	LC6	Snow
			6	0.90	LC8	Wind in +Y
			1	1.35	LC1	Self-weight
CO13	STR	1.35*LC1 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	2	1.35	LC4	esoteriki toixopoiia
			3	1.50	LC5	Imposed load
			4	0.75	LC6	Snow
			5	0.90	LC7	Wind in +X
			1	1.35	LC1	Self-weight
			2	1.35	LC4	esoteriki toixopoiia
			3	1.50	LC5	Imposed load
CO14	STR	1.35*LC1 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	4	0.75	LC6	Snow
			5	0.90	LC7	Wind in +X
			1	1.35	LC1	Self-weight
			2	1.35	LC4	esoteriki toixopoiia
			3	1.50	LC5	Imposed load
			4	0.75	LC6	Snow
			5	0.90	LC7	Wind in +Y
CO15	S Ch	LC1 + LC2 + LC5 + 0.5*LC6 + 0.6*LC7	1	1.00	LC1	Self-weight
			2	1.00	LC2	epikalipseis
			3	1.00	LC5	Imposed load
			4	0.50	LC6	Snow
			5	0.60	LC7	Wind in +X
			1	1.00	LC1	Self-weight
			2	1.00	LC2	epikalipseis
CO16	S Ch	LC1 + LC2 + LC5 + 0.5*LC6 + 0.6*LC8	3	1.00	LC5	Imposed load
			4	0.50	LC6	Snow
			5	0.60	LC8	Wind in +Y
			1	1.00	LC1	Self-weight
			2	1.00	LC2	epikalipseis
			3	1.00	LC3	eksoteriki toixopoiia
			4	1.00	LC5	Imposed load
CO17	S Ch	LC1 + LC2 + LC3 + LC5 + 0.5*LC6 + 0.6*LC7	5	0.50	LC6	Snow
			6	0.60	LC7	Wind in +X
			1	1.00	LC1	Self-weight
			2	1.00	LC2	epikalipseis
			3	1.00	LC3	eksoteriki toixopoiia
			4	1.00	LC5	Imposed load
			5	0.50	LC6	Snow
CO18	S Ch	LC1 + LC2 + LC3 + LC5 + 0.5*LC6 + 0.6*LC8	6	0.60	LC7	Wind in +X
			1	1.00	LC1	Self-weight
			2	1.00	LC2	epikalipseis
			3	1.00	LC3	eksoteriki toixopoiia
			4	1.00	LC5	Imposed load
			5	0.50	LC6	Snow
			6	0.60	LC8	Wind in +Y
CO19	S Ch	LC1 + LC2 + LC3 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	1	1.00	LC1	Self-weight
			2	1.00	LC2	epikalipseis
			3	1.00	LC3	eksoteriki toixopoiia
			4	1.00	LC4	esoteriki toixopoiia
			5	1.00	LC5	Imposed load
			6	0.50	LC6	Snow
			7	0.60	LC7	Wind in +X
CO20	S Ch	LC1 + LC2 + LC3 + LC4 + LC5 + 0.5*LC6 + 0.6*LC8	1	1.00	LC1	Self-weight
			2	1.00	LC2	epikalipseis
			3	1.00	LC3	eksoteriki toixopoiia
			4	1.00	LC4	esoteriki toixopoiia
			5	1.00	LC5	Imposed load
			6	0.50	LC6	Snow
			7	0.60	LC8	Wind in +Y

2.5 LOAD COMBINATIONS

Load Combin.	DS	Load Combination Description	No.	Factor	Load Case
CO21	S Ch	LC1 + LC2 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	1	1.00	LC1 Self-weight
			2	1.00	LC2 epikalipseis
			3	1.00	LC4 esoteriki toixopoiia
			4	1.00	LC5 Imposed load
			5	0.50	LC6 Snow
			6	0.60	LC7 Wind in +X
CO22	S Ch	LC1 + LC2 + LC4 + LC5 + 0.5*LC6 + 0.6*LC8	1	1.00	LC1 Self-weight
			2	1.00	LC2 epikalipseis
			3	1.00	LC4 esoteriki toixopoiia
			4	1.00	LC5 Imposed load
			5	0.50	LC6 Snow
			6	0.60	LC8 Wind in +Y
CO23	S Ch	LC1 + LC3 + LC5 + 0.5*LC6 + 0.6*LC7	1	1.00	LC1 Self-weight
			2	1.00	LC3 eksoteriki toixopoiia
			3	1.00	LC5 Imposed load
			4	0.50	LC6 Snow
			5	0.60	LC7 Wind in +X
			6	1.00	LC8 Self-weight
CO24	S Ch	LC1 + LC3 + LC5 + 0.5*LC6 + 0.6*LC8	1	1.00	LC1 Self-weight
			2	1.00	LC3 eksoteriki toixopoiia
			3	1.00	LC5 Imposed load
			4	0.50	LC6 Snow
			5	0.60	LC8 Wind in +Y
			6	1.00	LC7 Self-weight
CO25	S Ch	LC1 + LC3 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	1	1.00	LC1 Self-weight
			2	1.00	LC3 eksoteriki toixopoiia
			3	1.00	LC4 esoteriki toixopoiia
			4	1.00	LC5 Imposed load
			5	0.50	LC6 Snow
			6	0.60	LC7 Wind in +X
CO26	S Ch	LC1 + LC3 + LC4 + LC5 + 0.5*LC6 + 0.6*LC8	1	1.00	LC1 Self-weight
			2	1.00	LC3 eksoteriki toixopoiia
			3	1.00	LC4 esoteriki toixopoiia
			4	1.00	LC5 Imposed load
			5	0.50	LC6 Snow
			6	0.60	LC8 Wind in +Y
CO27	S Ch	LC1 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	1	1.00	LC1 Self-weight
			2	1.00	LC4 esoteriki toixopoiia
			3	1.00	LC5 Imposed load
			4	0.50	LC6 Snow
			5	0.60	LC7 Wind in +X
			6	1.00	LC8 Self-weight
CO28	S Ch	LC1 + LC4 + LC5 + 0.5*LC6 + 0.6*LC8	1	1.00	LC1 Self-weight
			2	1.00	LC4 esoteriki toixopoiia
			3	1.00	LC5 Imposed load
			4	0.50	LC6 Snow
			5	0.60	LC8 Wind in +Y
			6	1.00	LC7 Self-weight
CO29	S Qp	LC1 + LC2 + 0.3*LC5	1	1.00	LC1 Self-weight
			2	1.00	LC2 epikalipseis
			3	0.30	LC5 Imposed load
			4	1.00	LC1 Self-weight
			5	1.00	LC2 epikalipseis
			6	1.00	LC3 eksoteriki toixopoiia
CO30	S Qp	LC1 + LC2 + LC3 + 0.3*LC5	1	1.00	LC1 Self-weight
			2	1.00	LC2 epikalipseis
			3	1.00	LC3 eksoteriki toixopoiia
			4	0.30	LC5 Imposed load
			5	1.00	LC1 Self-weight
			6	1.00	LC2 epikalipseis
CO31	S Qp	LC1 + LC2 + LC3 + LC4 + 0.3*LC5	1	1.00	LC1 Self-weight
			2	1.00	LC2 epikalipseis
			3	1.00	LC3 eksoteriki toixopoiia
			4	1.00	LC4 esoteriki toixopoiia
			5	0.30	LC5 Imposed load
			6	1.00	LC1 Self-weight
CO32	S Qp	LC1 + LC2 + LC4 + 0.3*LC5	1	1.00	LC1 Self-weight
			2	1.00	LC2 epikalipseis
			3	1.00	LC4 esoteriki toixopoiia
			4	0.30	LC5 Imposed load
			5	1.00	LC1 Self-weight
			6	1.00	LC2 epikalipseis
CO33	S Qp	LC1 + LC3 + 0.3*LC5	1	1.00	LC1 Self-weight
			2	1.00	LC3 eksoteriki toixopoiia
			3	0.30	LC5 Imposed load
			4	1.00	LC1 Self-weight
			5	1.00	LC3 eksoteriki toixopoiia
			6	1.00	LC4 esoteriki toixopoiia
CO34	S Qp	LC1 + LC3 + LC4 + 0.3*LC5	1	1.00	LC1 Self-weight
			2	1.00	LC3 eksoteriki toixopoiia
			3	1.00	LC4 esoteriki toixopoiia
			4	0.30	LC5 Imposed load
			5	1.00	LC1 Self-weight
			6	1.00	LC4 esoteriki toixopoiia
CO35	S Qp	LC1 + LC4 + 0.3*LC5	1	1.00	LC1 Self-weight
			2	1.00	LC4 esoteriki toixopoiia
			3	0.30	LC5 Imposed load
			4	1.00	LC1 Self-weight
			5	1.00	LC4 esoteriki toixopoiia
			6	0.30	LC5 Imposed load

2.5.2 LOAD COMBINATIONS - CALCULATION PARAMETERS

Load Combin.	Description	Calculation Parameters
CO1	1.35*LC1 + 1.35*LC2 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	Method of analysis : ☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations : ☒ Picard
		Options : ☒ Consider favorable effects due to tension
		: ☒ Refer internal forces to deformed system for:
		: ☒ Normal forces N
		: ☒ Shear forces V _y and V _z
CO2	1.35*LC1 + 1.35*LC2 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	: ☒ Moments M _{yy} , M _{zz} and M _{xy}
		Activate stiffness factors of: : ☒ Materials (partial factor γ _M)
		: ☒ Cross-sections (factor for J, I _{yy} , I _{zz} , A, A _y , A _z)
		: ☒ Members (factor for GJ, EI _{yy} , EI _{zz} , EA, GA _{yy} , GA _{zz})
		Options : ☒ Consider favorable effects due to tension
		: ☒ Refer internal forces to deformed system for:
		: ☒ Normal forces N
		: ☒ Shear forces V _y and V _z
		: ☒ Moments M _{yy} , M _{zz} and M _{xy}
		Activate stiffness factors of: : ☒ Materials (partial factor γ _M)
		: ☒ Cross-sections (factor for J, I _{yy} , I _{zz} , A, A _y , A _z)
		: ☒ Members (factor for GJ, EI _{yy} , EI _{zz} , EA, GA _{yy} , GA _{zz})

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2.5.2 LOAD COMBINATIONS - CALCULATION PARAMETERS

Load Combin.	Description	Calculation Parameters	
CO3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	Method of analysis	☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
			☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T
		Activate stiffness factors of:	☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T
		Activate stiffness factors of:	☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T
		Activate stiffness factors of:	☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T
		Activate stiffness factors of:	☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO7	1.35*LC1 + 1.35*LC2 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T
		Activate stiffness factors of:	☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO8	1.35*LC1 + 1.35*LC2 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T
		Activate stiffness factors of:	☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO9	1.35*LC1 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T
		Activate stiffness factors of:	☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO10	1.35*LC1 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T
		Activate stiffness factors of:	☒ Materials (partial factor γ _M)

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2.5.2 LOAD COMBINATIONS - CALCULATION PARAMETERS

Load Combin.	Description	Calculation Parameters
		☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO11	1.35*LC1 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	Method of analysis: ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations: ☒ Picard Options: ☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO12	1.35*LC1 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	Method of analysis: ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations: ☒ Picard Options: ☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO13	1.35*LC1 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	Method of analysis: ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations: ☒ Picard Options: ☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO14	1.35*LC1 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	Method of analysis: ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations: ☒ Picard Options: ☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO15	LC1 + LC2 + LC5 + 0.5*LC6 + 0.6*LC7	Method of analysis: ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations: ☒ Picard Options: ☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO16	LC1 + LC2 + LC5 + 0.5*LC6 + 0.6*LC8	Method of analysis: ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations: ☒ Picard Options: ☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO17	LC1 + LC2 + LC3 + LC5 + 0.5*LC6 + 0.6*LC7	Method of analysis: ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations: ☒ Picard Options: ☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO18	LC1 + LC2 + LC3 + LC5 + 0.5*LC6 + 0.6*LC8	Method of analysis: ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations: ☒ Picard Options: ☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z)



2.5.2 LOAD COMBINATIONS - CALCULATION PARAMETERS

Load Combin.	Description	Calculation Parameters
CO19	LC1 + LC2 + LC3 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	Method of analysis : ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z) : ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations : ☒ Picard Options : ☒ Consider favorable effects due to tension : ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: : ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO20	LC1 + LC2 + LC3 + LC4 + LC5 + 0.5*LC6 + 0.6*LC8	Method of analysis : ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations : ☒ Picard Options : ☒ Consider favorable effects due to tension : ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: : ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO21	LC1 + LC2 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	Method of analysis : ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations : ☒ Picard Options : ☒ Consider favorable effects due to tension : ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: : ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO22	LC1 + LC2 + LC4 + LC5 + 0.5*LC6 + 0.6*LC8	Method of analysis : ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations : ☒ Picard Options : ☒ Consider favorable effects due to tension : ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: : ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO23	LC1 + LC3 + LC5 + 0.5*LC6 + 0.6*LC7	Method of analysis : ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations : ☒ Picard Options : ☒ Consider favorable effects due to tension : ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: : ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO24	LC1 + LC3 + LC5 + 0.5*LC6 + 0.6*LC8	Method of analysis : ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations : ☒ Picard Options : ☒ Consider favorable effects due to tension : ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: : ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO25	LC1 + LC3 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	Method of analysis : ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations : ☒ Picard Options : ☒ Consider favorable effects due to tension : ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: : ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
CO26	LC1 + LC3 + LC4 + LC5 + 0.5*LC6 + 0.6*LC8	Method of analysis : ☒ Second order analysis (P-Delta) Method for solving system of nonlinear algebraic equations : ☒ Picard Options : ☒ Consider favorable effects due to tension : ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V _y and V _z ☒ Moments M _y , M _z and M _T Activate stiffness factors of: : ☒ Materials (partial factor γ _M) ☒ Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) ☒ Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)

2.5.2 LOAD COMBINATIONS - CALCULATION PARAMETERS

Load Combin.	Description	Calculation Parameters	
CO27	LC1 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V_y and V_z ☒ Moments M_y , M_z and M_T
		Activate stiffness factors of:	☒ Materials (partial factor γ_M) ☒ Cross-sections (factor for J, I_y , I_z , A, A_y , A_z) ☒ Members (factor for GJ, EI_y , EI_z , EA, GA_y , GA_z)
CO28	LC1 + LC4 + LC5 + 0.5*LC6 + 0.6*LC8	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V_y and V_z ☒ Moments M_y , M_z and M_T
		Activate stiffness factors of:	☒ Materials (partial factor γ_M) ☒ Cross-sections (factor for J, I_y , I_z , A, A_y , A_z) ☒ Members (factor for GJ, EI_y , EI_z , EA, GA_y , GA_z)
CO29	LC1 + LC2 + 0.3*LC5	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V_y and V_z ☒ Moments M_y , M_z and M_T
		Activate stiffness factors of:	☒ Materials (partial factor γ_M) ☒ Cross-sections (factor for J, I_y , I_z , A, A_y , A_z) ☒ Members (factor for GJ, EI_y , EI_z , EA, GA_y , GA_z)
CO30	LC1 + LC2 + LC3 + 0.3*LC5	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V_y and V_z ☒ Moments M_y , M_z and M_T
		Activate stiffness factors of:	☒ Materials (partial factor γ_M) ☒ Cross-sections (factor for J, I_y , I_z , A, A_y , A_z) ☒ Members (factor for GJ, EI_y , EI_z , EA, GA_y , GA_z)
CO31	LC1 + LC2 + LC3 + LC4 + 0.3*LC5	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V_y and V_z ☒ Moments M_y , M_z and M_T
		Activate stiffness factors of:	☒ Materials (partial factor γ_M) ☒ Cross-sections (factor for J, I_y , I_z , A, A_y , A_z) ☒ Members (factor for GJ, EI_y , EI_z , EA, GA_y , GA_z)
CO32	LC1 + LC2 + LC4 + 0.3*LC5	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V_y and V_z ☒ Moments M_y , M_z and M_T
		Activate stiffness factors of:	☒ Materials (partial factor γ_M) ☒ Cross-sections (factor for J, I_y , I_z , A, A_y , A_z) ☒ Members (factor for GJ, EI_y , EI_z , EA, GA_y , GA_z)
CO33	LC1 + LC3 + 0.3*LC5	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V_y and V_z ☒ Moments M_y , M_z and M_T
		Activate stiffness factors of:	☒ Materials (partial factor γ_M) ☒ Cross-sections (factor for J, I_y , I_z , A, A_y , A_z) ☒ Members (factor for GJ, EI_y , EI_z , EA, GA_y , GA_z)
CO34	LC1 + LC3 + LC4 + 0.3*LC5	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N ☒ Shear forces V_y and V_z ☒ Moments M_y , M_z and M_T
		Activate stiffness factors of:	☒ Materials (partial factor γ_M) ☒ Cross-sections (factor for J, I_y , I_z , A, A_y , A_z) ☒ Members (factor for GJ, EI_y , EI_z , EA, GA_y , GA_z)
CO35	LC1 + LC4 + 0.3*LC5	Method of analysis	☒ Second order analysis (P-Delta)
		Method for solving system of nonlinear algebraic equations	☒ Picard
		Options	☒ Consider favorable effects due to tension ☒ Refer internal forces to deformed system for: ☒ Normal forces N

2.5.2 LOAD COMBINATIONS - CALCULATION PARAMETERS

Load Combin.	Description	Calculation Parameters
		☒ Shear forces V_y and V_z ☒ Moments M_y , M_z and M_T
	Activate stiffness factors of:	☒ Materials (partial factor γ_M) ☒ Cross-sections (factor for J , I_y , I_z , A , A_y , A_z) ☒ Members (factor for GJ , EI_y , EI_z , EA , GA_y , GA_z)

2.7 RESULT COMBINATIONS

Result Combin	Description	Loading
RC1	ULS (STR/GEO) - Permanent / transient - Eq. 6.10	CO1/p or to CO14
RC2	SLS - Characteristic	CO15/p or to CO28
RC3	SLS - Quasi-permanent	CO29/p or to CO35
RC4	DLC1, Result Envelope X 100% / Y 30%	
RC5	DLC1, Result Envelope X 30% / Y 100%	
RC6	SEISMOS	LC1/p + LC2/p + LC3/p + LC4/p + 0.3*LC5 + RC4 or RC5

LC2
epikalipseis

3.4 SURFACE LOADS

LC2: epikalipseis

No.	On Surfaces No.	Load Type	Load Distribution	Load Direction	Symbol	Value	Unit
1	1-4,7,21,22	Force	Uniform	ZL	p	1.50	kN/m ²

3.15 GENERATED LOADS

LC2: epikalipseis

No.	Load Description
1	From Area Loads via Cells Area load direction : ☒ z Member load direction : ☒ Local in x, y, z Area of load application : ☒ Fully closed plane Load distribution type: ☒ Combined Area load magnitude : ☒ Constant : 1.50 kN/m² Remove influence from : Single members : 84,95,97,98,99,103,107,108,109,111,117,121,123,126,129,132,135,137,139,141,143,145,147,153,156,163,164,167,168,171,172,183,186,189,192,194,197,199,203,224,226,228,230,233,236 Cells selected for conversion : Total number of cells : 50 Cell area perpendicular : 138.939 m² Cell area, X-direction : 27.350 m² Cell area, Y-direction : 38.880 m² Cell area, Z-direction : 130.554 m² Generated loads : In X-direction : -11.871 kN In Y-direction : -8.466 kN In Z-direction : 195.832 kN Generate loads on members No. : 100-102,110,112-116,118-120,122,124,125,127,128,130,131,133,134,136,138,140,142,144,146,148-152,154,155,157-162,165,166,169,170,173-182,184,185,187,188,190,191,193,195,196,198,200-202,206,209,212,213,216,219,222,223,225,227,229,231,232,234,235,237,240,241,243,244,246,247,249,250,252,253,255,256,258,259,261,262,264,265,267,268

LC3
eksoteriki toixopoiia

3.2 MEMBER LOADS

LC3: eksoteriki toixopoiia

No.	Reference to	On Members No.	Load Type	Load Distribution	Load Direction	Reference Length	Symbol	Value	Unit
1	Members	20,45-47,51-57,59,63-65,69-75,80,81,271,272	Force	Uniform	ZL	True Length	p	5.000	kN/m

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3.2/1 MEMBER LOADS - LOAD ECCENTRICITY

LC3: eksoteriki toixopoia

No.	Reference to	On Members No.	Absolute Offset		Absolute Offset		Relative Offset		Relative Offset	
			Mbr. Start	Mbr. Start	Mbr. End	Mbr. End	Mbr. Start	Mbr. Start	Mbr. End	Mbr. End
			e _y [mm]	e _z [mm]	e _y [mm]	e _z [mm]	y-Axis	z-Axis	y-Axis	z-Axis
1	Members	20,45-47,51-57,59,63-65,69-75,80,81,271,272	0.0	0.0	0.0	0.0	Middle	Middle	Middle	Middle

LC4
esoteriki toixopoia

3.2 MEMBER LOADS

LC4: esoteriki toixopoia

No.	Reference to	On Members No.	Load Type	Load Distribution	Load Direction	Reference Length	Load Parameters		
							Symbol	Value	Unit
1	Members	58,60,61,76,78,79	Force	Uniform	ZL	True Length	p	2.100	kN/m

3.2/1 MEMBER LOADS - LOAD ECCENTRICITY

LC4: esoteriki toixopoia

No.	Reference to	On Members No.	Absolute Offset		Absolute Offset		Relative Offset		Relative Offset	
			Mbr. Start	Mbr. Start	Mbr. End	Mbr. End	Mbr. Start	Mbr. Start	Mbr. End	Mbr. End
			e _y [mm]	e _z [mm]	e _y [mm]	e _z [mm]	y-Axis	z-Axis	y-Axis	z-Axis
1	Members	58,60,61,76,78,79	0.0	0.0	0.0	0.0	Middle	Middle	Middle	Middle

LC5
Imposed load

3.4 SURFACE LOADS

LC5: Imposed load

No.	On Surfaces No.	Load Type	Load Distribution	Load Direction	Load Parameters		
					Symbol	Value	Unit
1	1-4,7,21,22,25	Force	Uniform	ZL	p	5.00	kN/m ²

LC6
Snow

3.2 MEMBER LOADS

LC6: Snow

No.	Reference to	On Members No.	Load Type	Load Distribution	Load Direction	Reference Length	Load Parameters		
							Symbol	Value	Unit
1	Members	112,116,119,122,125,128,131,134,136,138,140,142,144,146,149,151,152,161,162,165,166,169,170,182,185,188,191,195,198,201,204,207,210,213,214,216,217,219,220,222,223,225,227,229,232,235,241,244,247,250,253,255,256,258,259,261,262,264,265,268	Force	Uniform	ZL	True Length	p	1.023	kN/m

3.2/1 MEMBER LOADS - LOAD ECCENTRICITY

LC6: Snow

No.	Reference to	On Members No.	Absolute Offset		Absolute Offset		Relative Offset		Relative Offset	
			Mbr. Start	Mbr. Start	Mbr. End	Mbr. End	Mbr. Start	Mbr. Start	Mbr. End	Mbr. End
			e _y [mm]	e _z [mm]	e _y [mm]	e _z [mm]	y-Axis	z-Axis	y-Axis	z-Axis
1	Members	112,116,119,122,125,128,131,134,136,138,140,142,144,146,149,151,152,161,162,165,166,169,170,182,185,188,191,195,198,201,204,207,210,213,214,216,217,219,220,222,223,225,227,229,232,235,241,244,247,250,253,255,256,258,259,261,262,264,265,268	0.0	0.0	0.0	0.0	Middle	Middle	Middle	Middle

3.15 GENERATED LOADS

LC6: Snow

No.	Load Description
1	From Snow Loads (Flat/Monopitch Roof)

3.15 GENERATED LOADS

LC6: Snow

No.	Load Description		
Snow load parameters	According to Standard	: EN 1991-1-3	
	National Annex	: European Union	
	Ground snow load	s_k	: 1.27 kN/m ²
	Topography type	: Normal	
Coefficients	Exposure	C_e	: 1.00
	Thermal coefficient	C_t	: 1.00
Roof geometry	Node	A	: 88
		B	: 90
		C	: 109
		D	: 89
Generate LC	☒ LC s1	: LC6	
Create load type	☒ Member loads		
Load distribution type	☒ Combined		
Remove influence from	Members parallel to member	: 180	
Generate snow loads on members No.		: 110,174,181,184,187,190,240,243,246,249,267	
Parameters		A_R	: 21.621 m ²
		α	: 27.8 °
		s_k	: 1.27 kN/m ²
		μ_1	: 0.800
		s_1	: 1.02 kN/m ²
Generated total loads	ΣP_{Areas}	: 19.439 kN	
	ΣP	: 19.439 kN	
Total moment to the origin	ΣM_{Areas}	: 167.556 kNm	
	ΣM	: 167.556 kNm	
Cells selected for generating	Σ number of cells	: 5	
	Σ cell area	: 19.133 m ²	

LC7

Wind in +X

3.15 GENERATED LOADS

LC7: Wind in +X

No.	Load Description		
1	From Wind Loads (Vertical Walls)		
Velocity pressure	According to Standard	: EN 1991-1-4	
	National Annex	: European Union	
	Terrain category	: Category II	
	Structure height	h	: 7.040 m
	Fundamental wind velocity	$v_{b,0}$	: 27.5 m/s
Base geometry	Node	I	: 2
		J	: 13
		K	: 17
		L	: 50
Roof type and geometry	Type	: ☒ Flat/monopitch roof	
	Node	A	: 30
		B	: 71
		C	: 74
		D	: 90
Generate LC	☒ LC w	: LC7	
Set wind on side	☒ A - B		
Create load type	☒ Member loads		
Load distribution type	☒ Combined		



3.15 GENERATED LOADS

LC7: Wind in +X

No.	Load Description		
	Remove influence from	Single members	: 16,18,40,82,83,91
		Members parallel to member	: 75,76
	Generate wind loads on members No.		: 4,13,24,68
Walls dimensions	h	: 7.040	m
	b	: 9.813 /	m
		10.210	
	d	: 5.904 /	m
		5.640	
	e	: 10.012	m
	A	: 230.437	m ²
	d _A	: 2.002	m
	d _B	: 3.901 /	m
		3.638	
Zone			
	External pressure coefficient $c_{pe, 10}$	External pressure w_e [kN/m ²]	
	A	-1.200	-1.21
	B	-0.800	-0.81
	C	-0.500	-0.50
D		0.800	0.81
	E	-0.511	-0.52
Generated total loads	ΣP_{Areas}	: 93.481	kN
	ΣP	: 55.103	kN
Total moment to the origin	ΣM_{Areas}	: 769.253	kNm
	ΣM	: 452.785	kNm
Cells selected for generating	Σ number of cells	: 7	
	Σ cell area	: 324.440	m ²

LC8

Wind in +Y

3.15 GENERATED LOADS

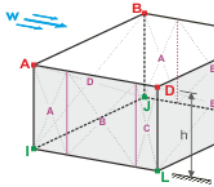
LC8: Wind in +Y

No.	Load Description		
1	From Wind Loads (Vertical Walls)		
Velocity pressure	According to Standard	: EN 1991-1-4	
	National Annex	: European Union	
	Terrain category	: Category II	
	Structure height	h : 7.040	m
	Fundamental wind velocity	$v_{b,0}$: 27.5	m/s
Base geometry	Node	I : 13	
		J : 17	
		K : 50	
		L : 5	
Roof type and geometry	Type	: Flat/monopitch roof	
	Node	A : 71	
		B : 74	
		C : 90	
Generate LC			
	☒ LC w	: LC8	
	Set wind on side	: A - B	
	Create load type	: Member loads	
Load distribution type		: Combined	
Remove influence from	Single members	: 5,8,18,25,40,66,83,91	
	Members parallel to member	: 58	
	Generate wind loads on members No.	: 13,16,68,82	
Walls dimensions	h	: 7.040	m
	b	: 5.904 /	m
		5.898	
	d	: 10.210 /	m
		9.510	
	e	: 5.901	m
	A	: 230.105	m ²
	d _A	: 1.180	m
	d _B	: 4.720	m
	d _C	: 4.309 /	m
		3.609	
Zone			
	External pressure coefficient $c_{pe, 10}$	External pressure w_e [kN/m ²]	
	A	-1.200	-1.21
	B	-0.800	-0.81
	C	-0.500	-0.50
D		0.762	0.77
	E	-0.424	-0.43



3.15 GENERATED LOADS

LC8: Wind in +Y

No.	Load Description																					
	Generated total loads	ΣP_{Areas}	:	50.164 kN																		
		ΣP	:	31.997 kN																		
	Total moment to the origin	ΣM_{Areas}	:	384.689 kNm																		
		ΣM	:	267.833 kNm																		
	Cells selected for generating	Σ number of cells	:	8																		
		Σ cell area	:	481.691 m ²																		
2	From Wind Loads (Vertical Walls)																					
																						
	Velocity pressure	According to Standard National Annex Terrain category Structure height Fundamental wind velocity	:	EN 1991-1-4 European Union Category II 7.040 m 27.5 m/s																		
	Base geometry	Node	I J K L	20 32 44 50																		
	Roof type and geometry	Type Node	A B C D	Flat/monopitch roof 76 78 86 90																		
	Generate LC	☒ LC w	:	LC8																		
	Set wind on side	☒ A - B																				
	Create load type	☒ Member loads																				
	Load distribution type	☒ Combined																				
	Remove influence from	Single members Members parallel to member	:	32,36,38,40,87,89,90,91 76,81																		
	Generate wind loads on members No.		:	18,28,30,83,85,86																		
	Walls dimensions	h b d e A d _A d _B d _C	:	7.040 m 8.765 m 7.510 m 8.765 m 237.615 m ² 1.753 m 5.757 m 0.000 m																		
	<table><thead><tr><th>Zone</th><th>External pressure coefficient $c_{pe,10}$</th><th>External pressure w_e [kN/m²]</th></tr></thead><tbody><tr><td>A</td><td>-1.200</td><td>-1.21</td></tr><tr><td>B</td><td>-0.800</td><td>-0.81</td></tr><tr><td>C</td><td>-0.500</td><td>-0.50</td></tr><tr><td>D</td><td>0.792</td><td>0.80</td></tr><tr><td>E</td><td>-0.483</td><td>-0.49</td></tr></tbody></table>				Zone	External pressure coefficient $c_{pe,10}$	External pressure w_e [kN/m ²]	A	-1.200	-1.21	B	-0.800	-0.81	C	-0.500	-0.50	D	0.792	0.80	E	-0.483	-0.49
Zone	External pressure coefficient $c_{pe,10}$	External pressure w_e [kN/m ²]																				
A	-1.200	-1.21																				
B	-0.800	-0.81																				
C	-0.500	-0.50																				
D	0.792	0.80																				
E	-0.483	-0.49																				
	Generated total loads	ΣP_{Areas}	:	82.275 kN																		
		ΣP	:	51.087 kN																		
	Total moment to the origin	ΣM_{Areas}	:	1006.810 kNm																		
		ΣM	:	625.152 kNm																		
	Cells selected for generating	Σ number of cells Σ cell area	:	8 392.923 m ²																		

4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z		
9	RC1	8	0.000	Max N	Δ -141.32	-2.70	-0.04	0.01	0.01	-0.17	CO 14
				Min N	Δ -179.89	-4.11	-0.05	0.00	0.01	-0.16	CO 3
				Max V _y	Δ -153.04	-2.66	-0.04	0.02	0.01	-0.18	CO 8
				Min V _y	Δ -168.16	-4.15	-0.05	0.00	0.01	-0.15	CO 9
				Max V _z	Δ -141.32	-2.70	-0.04	0.01	0.01	-0.17	CO 14
				Min V _z	Δ -179.82	-4.10	-0.05	0.00	0.01	-0.16	CO 5
				Max M _T	Δ -169.27	-2.97	-0.04	Δ 0.02	0.01	-0.22	CO 6
				Min M _T	Δ -151.87	-3.83	-0.04	Δ -0.00	0.01	-0.11	CO 13
		11	3.000	Max M _y	Δ -179.82	-4.10	-0.05	0.00	Δ 0.01	-0.16	CO 5
				Min M _y	Δ -141.32	-2.70	-0.04	0.01	0.01	-0.17	CO 14
				Max M _z	Δ -151.87	-3.83	-0.04	-0.00	0.01	Δ -0.11	CO 13
				Min M _z	Δ -169.33	-2.98	-0.04	0.02	0.01	Δ -0.22	CO 4
				Max N	Δ -165.12	16.46	4.44	2.00	0.31	-23.73	CO 14
				Min N	Δ -219.60	15.24	-15.95	1.08	-5.71	-14.81	CO 3



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
9	RC1			Max V _y	-206.28	▷ 24.11	0.64	2.74	-1.00	-34.96	CO 6
				Min V _y	-178.40	▷ 7.64	-12.10	0.34	-4.40	-3.69	CO 13
				Max V _z	-165.12	16.46 ▷	4.44	2.00	0.31	-23.73	CO 14
				Min V _z	-219.60	15.24 ▷	-15.95	1.08	-5.71	-14.81	CO 3
				Max M _T	-206.28	24.11	0.64 ▷	2.74	-1.00	-34.96	CO 6
				Min M _T	-178.40	7.64	-12.10 ▷	0.34	-4.40	-3.69	CO 13
				Max M _y	-165.12	16.46	4.44 ▷	2.00	0.31	-23.73	CO 14
				Min M _y	-219.60	15.24	-15.95 ▷	1.08	-5.71	-14.81	CO 3
				Max M _z	-178.40	7.64	-12.10 ▷	0.34	-4.40	-3.69	CO 13
				Min M _z	-206.28	24.11	0.64 ▷	2.74	-1.00	-34.96	CO 6
		8	0.000	Max N	-103.02	-1.97	-0.03	0.01	0.00	-0.12	CO 28
				Min N	-130.80	-2.93	-0.03	0.00	0.01	-0.12	CO 17
				Max V _y	-111.70	▷ -1.94	-0.03	0.01	0.00	-0.13	CO 22
				Min V _y	-122.11	▷ -2.96	-0.03	0.00	0.01	-0.11	CO 23
				Max V _z	-103.02	-1.97	-0.03	0.01	0.00	-0.12	CO 28
				Min V _z	-130.75	-2.92 ▷	-0.03	0.00	0.01	-0.12	CO 19
				Max M _T	-123.72	-2.17	-0.03 ▷	0.01	0.00	-0.16	CO 20
				Min M _T	-110.04	-2.72	-0.03 ▷	-0.00	0.00	-0.08	CO 27
				Max M _y	-130.75	-2.92	-0.03 ▷	0.00	0.01	-0.12	CO 19
				Min M _y	-103.02	-1.97	-0.03 ▷	0.01	0.00	-0.12	CO 28
				Max M _z	-110.04	-2.72	-0.03 ▷	-0.00	0.00	-0.08	CO 27
				Min M _z	-123.77	-2.17	-0.03 ▷	0.01	0.00	-0.16	CO 18
		11	3.000	Max N	-120.02	11.75	2.50	1.41	0.03	-16.70	CO 28
				Min N	-159.39	11.50	-11.37	0.85	-4.07	-11.58	CO 17
				Max V _y	-150.52	▷ 17.42	-0.32	1.96	-0.93	-25.01	CO 20
				Min V _y	-128.87	▷ 5.88	-8.52	0.30	-3.10	-3.35	CO 27
				Max V _z	-120.02	11.75 ▷	2.50	1.41	0.03	-16.70	CO 28
				Min V _z	-159.39	11.50 ▷	-11.37	0.85	-4.07	-11.58	CO 17
				Max M _T	-150.52	17.42 ▷	-0.32	1.96	-0.93	-25.01	CO 20
				Min M _T	-128.87	5.88	-8.52 ▷	0.30	-3.10	-3.35	CO 27
				Max M _y	-120.02	11.75	2.50 ▷	1.41	0.03	-16.70	CO 28
				Min M _y	-159.39	11.50	-11.37 ▷	0.85	-4.07	-11.58	CO 17
				Max M _z	-128.87	5.88	-8.52 ▷	0.30	-3.10	-3.35	CO 27
				Min M _z	-150.52	17.42	-0.32 ▷	1.96	-0.93	-25.01	CO 20
	RC6	8	0.000	Max N	11.42	10.87	0.04	0.19	-0.01	-0.51	LC 1-4
				Min N	-234.04	-14.75	-0.08	-0.17	0.01	0.25	LC 1-5
				Max V _y	-16.57	▷ 19.47	0.11	0.30	-0.02	-0.57	LC 1-4
				Min V _y	-206.06	▷ -23.35	-0.15	-0.27	0.03	0.31	LC 1-5
				Max V _z	-24.75	19.27 ▷	0.11	0.29	-0.02	-0.55	LC 1-4
				Min V _z	-197.87	-23.15 ▷	-0.15	-0.27	0.03	0.29	LC 1-5
				Max M _T	-20.97	19.32	0.10 ▷	0.30	-0.02	-0.59	LC 1-5
				Min M _T	-201.65	-23.21	-0.15 ▷	-0.28	0.03	0.32	LC 1-4
				Max M _y	-199.38	-23.21	-0.15 ▷	-0.27	0.03	0.30	LC 1-5
				Min M _y	-23.24	19.32	0.11 ▷	0.29	-0.02	-0.56	LC 1-4
				Max M _z	-204.10	-22.05	-0.14	-0.26	0.02 ▷	0.35	LC 1-4
				Min M _z	-18.52	18.17	0.09	0.28	-0.02 ▷	-0.61	LC 1-5
12		11	0.000	Max N	20.58	65.15	201.02	11.77	53.68	-138.00	LC 1-4
				Min N	-287.64	-37.09	-215.84	-9.00	-59.11	101.82	LC 1-5
				Max V _y	-113.23	▷ 283.20	27.43	31.84	4.86	-499.18	LC 1-5
				Min V _y	-153.82	▷ -255.13	-42.25	-29.07	-10.29	463.01	LC 1-4
				Max V _z	20.47	▷ 67.42	201.17	11.99	53.70	-141.90	LC 1-4
				Min V _z	-287.53	-39.35 ▷	-215.99	-9.22	-59.13	105.72	LC 1-5
				Max M _T	-103.53	281.82	40.60 ▷	32.02	8.46	-498.73	LC 1-5
				Min M _T	-163.53	-253.75	-55.42 ▷	-29.25	-13.89	462.56	LC 1-4
				Max M _y	20.44	59.20	201.07	11.08	53.73	-127.34	LC 1-4
				Min M _y	-287.49	-31.13	-215.89	-8.31	-59.16	91.16	LC 1-5
				Max M _z	-158.26	-254.89	-48.33	-29.19	-11.95 ▷	463.47	LC 1-4
				Min M _z	-108.79	282.96	33.51	31.96	6.52 ▷	-499.65	LC 1-5
	RC1	11	0.000	Max N	-169.39	-17.93	5.06	-0.19	-4.37	-14.87	CO 14
				Min N	-216.28	-17.66	9.63	-0.26	-12.19	-7.03	CO 3
				Max V _y	-180.41	▷ -10.38	7.23	-0.23	-8.86	4.80	CO 13
				Min V _y	-205.12	▷ -25.24	7.46	-0.21	-7.69	-26.83	CO 6
				Max V _z	-216.15	-17.68 ▷	9.63	-0.26	-12.19	-7.15	CO 5
				Min V _z	-169.39	-17.93 ▷	5.06	-0.19	-4.37	-14.87	CO 14
				Max M _T	-187.57	-21.27	6.10 ▷	-0.11	-5.58	-17.36	CO 10
				Min M _T	-198.10	-14.32	8.59 ▷	-0.33	-10.98	-4.54	CO 7
				Max M _y	-169.39	-17.93	5.06	-0.19	-4.37	-14.87	CO 14
				Min M _y	-216.15	-17.68	9.63 ▷	-0.26	-12.19	-7.15	CO 5
				Max M _z	-180.41	-10.38	7.23 ▷	-0.23	-8.86	4.80	CO 13
				Min M _z	-205.12	-25.24	7.46 ▷	-0.21	-7.69	-26.83	CO 6
		14	3.650	Max N	-125.90	-17.93	5.03	-0.20	14.07	50.59	CO 14
				Min N	-172.79	-17.65	9.59	-0.27	22.97	57.42	CO 3
				Max V _y	-136.92	▷ -10.37	7.20	-0.24	17.51	42.67	CO 13
				Min V _y	-161.63	▷ -25.23	7.42	-0.23	19.53	65.30	CO 6
				Max V _z	-172.66	-17.67 ▷	9.59	-0.27	22.98	57.37	CO 5
				Min V _z	-125.90	-17.93 ▷	5.03	-0.20	14.07	50.59	CO 14
				Max M _T	-144.08	-21.26	6.06 ▷	-0.13	16.66	60.28	CO 10
				Min M _T	-154.61	-14.31	8.55 ▷	-0.34	20.37	47.73	CO 7
				Max M _y	-172.66	-17.67	9.59 ▷	-0.27	22.98	57.37	CO 5
				Min M _y	-125.90	-17.93	5.03 ▷	-0.20	14.07	50.59	CO 14
				Max M _z	-161.76	-25.21	7.42	-0.23	19.52 ▷	65.34	CO 4
				Min M _z	-136.92	-10.37	7.20	-0.24	17.51 ▷	42.67	CO 13
	RC2	11	0.000	Max N	-124.01	-12.52	3.61	-0.12	-3.18	-10.58	CO 28
				Min N	-157.91	-12.88	6.84	-0.17	-8.63	-6.25	CO 17
				Max V _y	-131.35	▷ -7.49	5.05	-0.15	-6.17	2.52	CO 27
				Min V _y	-150.48	▷ -17.93	5.39	-0.14	-5.64	-19.44	CO 20
				Max V _z	-157.82	-12.89 ▷	6.84	-0.17	-8.64	-6.33	CO 19
				Min V _z	-124.01	-12.52 ▷	3.61	-0.12	-3.18	-10.58	CO 28
				Max M _T	-137.48	-14.99	4.38 ▷	-0.06	-4.07	-12.43	CO 24
				Min M _T	-144.45	-10.41	6.06 ▷	-0.22	-7.74	-4.40	CO 21
				Max M _y	-124.01	-12.52	3.61 ▷	-0.12	-3.18	-10.58	CO 28
				Min M _y	-157.82	-12.89	6.84 ▷	-0.17	-8.64	-6.33	CO 19



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
12	RC2	14	3.650	Max M _z	-131.35	-7.49	5.05	-0.15	-6.17	2.52	CO 27
				Min M _z	-150.48	-17.93	5.39	-0.14	-5.64	-19.44	CO 20
				Max N	-91.80	-12.52	3.59	-0.12	9.98	35.11	CO 28
				Min N	-125.70	-12.88	6.81	-0.17	16.32	40.76	CO 17
				Max V _y	-99.13	-7.48	5.04	-0.15	12.28	29.84	CO 27
				Min V _y	-118.27	-17.93	5.37	-0.15	14.03	46.01	CO 20
				Max V _z	-125.61	-12.89	6.82	-0.17	16.33	40.73	CO 19
				Min V _z	-91.80	-12.52	3.59	-0.12	9.98	35.11	CO 28
				Max M _T	-105.26	-14.99	4.36	-0.07	11.90	42.29	CO 24
				Min M _T	-112.23	-10.40	6.05	-0.22	14.40	33.59	CO 21
				Max M _y	-125.61	-12.89	6.82	-0.17	16.33	40.73	CO 19
				Min M _y	-91.80	-12.52	3.59	-0.12	9.98	35.11	CO 28
				Max M _z	-118.36	-17.91	5.37	-0.15	14.02	46.04	CO 18
				Min M _z	-99.13	-7.48	5.04	-0.15	12.28	29.84	CO 27
	RC6	11	0.000	Max N	93.42	-122.06	-29.74	4.00	66.23	-344.50	LC 1-4
				Min N	-372.67	97.67	38.76	-3.97	-77.29	311.50	LC 1-5
				Max V _y	-259.60	199.93	16.11	-3.87	-28.23	648.04	LC 1-4
				Min V _y	-19.64	-224.32	-7.08	3.90	17.18	-681.04	LC 1-5
				Max V _z	-367.63	75.98	39.40	-3.64	-78.70	239.67	LC 1-5
				Min V _z	88.38	-100.37	-30.37	3.66	67.64	-272.67	LC 1-4
				Max M _T	5.30	-187.83	-11.57	4.66	26.67	-576.12	LC 1-4
				Min M _T	-284.54	163.44	20.59	-4.63	-37.73	543.12	LC 1-5
				Max M _y	87.60	-95.16	-30.35	3.60	67.69	-256.09	LC 1-4
				Min M _y	-366.84	70.77	39.37	-3.58	-78.75	223.09	LC 1-5
				Max M _z	-257.20	199.44	15.57	-3.89	-27.09	649.58	LC 1-4
				Min M _z	-22.05	-223.83	-6.54	3.91	16.03	-682.58	LC 1-5
		14	3.650	Max N	125.63	-120.04	-26.29	4.00	-38.42	98.63	LC 1-4
				Min N	-340.45	95.65	35.31	-3.97	60.30	-42.61	LC 1-5
				Max V _y	-227.51	195.63	15.08	-3.88	29.39	-76.37	LC 1-4
				Min V _y	12.69	-220.02	-6.06	3.90	-7.52	132.39	LC 1-5
				Max V _z	-336.64	76.06	35.73	-3.66	60.89	-36.22	LC 1-5
				Min V _z	121.82	-100.45	-26.70	3.69	-39.02	92.24	LC 1-4
				Max M _T	37.51	-184.48	-9.96	4.66	-13.74	105.56	LC 1-4
				Min M _T	-252.33	160.10	18.98	-4.63	35.62	-49.54	LC 1-5
				Max M _y	-336.94	82.19	35.68	-3.73	60.97	-39.02	LC 1-5
				Min M _y	122.12	-106.58	-26.65	3.75	-39.10	95.04	LC 1-4
				Max M _z	12.96	-202.18	-7.46	3.42	-9.55	141.73	LC 1-5
				Min M _z	-227.78	177.79	16.48	-3.39	31.42	-85.71	LC 1-4
15	RC1	16	0.000	Max N	-125.97	-0.12	0.00	-0.03	-0.00	0.08	CO 14
				Min N	-152.65	0.06	0.00	-0.03	-0.00	0.07	CO 3
				Max V _y	-148.71	0.31	0.00	-0.03	-0.00	0.03	CO 6
				Min V _y	-129.71	-0.36	0.00	-0.03	-0.00	0.12	CO 13
				Max V _z	-152.65	0.06	0.00	-0.03	-0.00	0.07	CO 3
				Min V _z	-125.97	-0.12	0.00	-0.03	-0.00	0.08	CO 14
				Max M _T	-140.20	0.10	0.00	-0.03	-0.00	0.07	CO 12
				Min M _T	-138.42	-0.16	0.00	-0.03	-0.00	0.08	CO 1
				Max M _y	-125.97	-0.12	0.00	-0.03	-0.00	0.08	CO 14
				Min M _y	-152.65	0.06	0.00	-0.03	-0.00	0.07	CO 3
				Max M _z	-129.71	-0.36	0.00	-0.03	-0.00	0.12	CO 13
				Min M _z	-148.71	0.31	0.00	-0.03	-0.00	0.03	CO 6
		17	3.000	Max N	-177.14	1.30	68.88	-1.31	16.10	6.17	CO 14
				Min N	-227.01	-3.31	73.35	-1.43	16.82	13.19	CO 3
				Max V _y	-192.26	3.70	77.11	-1.33	17.96	1.52	CO 8
				Min V _y	-211.89	-5.71	65.12	-1.41	14.96	17.84	CO 9
				Max V _z	-217.98	3.32	83.44	-1.42	19.47	3.21	CO 6
				Min V _z	-185.81	-5.28	59.47	-1.32	13.60	16.04	CO 13
				Max M _T	-177.14	1.30	68.88	-1.31	16.10	6.17	CO 14
				Min M _T	-227.01	-3.31	73.35	-1.43	16.82	13.19	CO 3
				Max M _y	-217.98	3.32	83.44	-1.42	19.47	3.21	CO 6
				Min M _y	-185.81	-5.28	59.47	-1.32	13.60	16.04	CO 13
				Max M _z	-211.89	-5.71	65.12	-1.41	14.96	17.84	CO 9
				Min M _z	-192.26	3.70	77.11	-1.33	17.96	1.52	CO 8
	RC2	16	0.000	Max N	-91.41	-0.06	0.00	-0.02	-0.00	0.05	CO 28
				Min N	-110.89	0.09	0.00	-0.02	-0.00	0.04	CO 17
				Max V _y	-108.25	0.26	0.00	-0.02	-0.00	0.01	CO 20
				Min V _y	-93.90	-0.22	0.00	-0.02	-0.00	0.08	CO 27
				Max V _z	-110.89	0.09	0.00	-0.02	-0.00	0.04	CO 17
				Min V _z	-91.41	-0.06	0.00	-0.02	-0.00	0.05	CO 28
				Max M _T	-101.95	0.10	0.00	-0.02	-0.00	0.04	CO 26
				Min M _T	-100.35	-0.07	0.00	-0.02	-0.00	0.05	CO 15
				Max M _y	-91.41	-0.06	0.00	-0.02	-0.00	0.05	CO 28
				Min M _y	-110.89	0.09	0.00	-0.02	-0.00	0.04	CO 17
				Max M _z	-93.90	-0.22	0.00	-0.02	-0.00	0.08	CO 27
				Min M _z	-108.25	0.26	0.00	-0.02	-0.00	0.01	CO 20
		17	3.000	Max N	-128.02	0.94	48.38	-0.91	11.30	4.00	CO 28
				Min N	-164.31	-1.99	52.39	-1.00	12.02	8.46	CO 17
				Max V _y	-139.22	2.71	54.48	-0.93	12.67	0.56	CO 22
				Min V _y	-153.11	-3.76	46.30	-0.98	10.64	11.90	CO 23
				Max V _z	-158.28	2.43	59.17	-0.99	13.79	1.81	CO 20
				Min V _z	-133.79	-3.44	42.11	-0.92	9.63	10.57	CO 27
				Max M _T	-128.02	0.94	48.38	-0.91	11.30	4.00	CO 28
				Min M _T	-164.31	-1.99	52.39	-1.00	12.02	8.46	CO 17
				Max M _y	-158.28	2.43	59.17	-0.99	13.79	1.81	CO 20
				Min M _y	-133.79	-3.44	42.11	-0.92	9.63	10.57	CO 27
				Max M _z	-153.11	-3.76	46.30	-0.98	10.64	11.90	CO 23
				Min M _z	-139.22	2.71	54.48	-0.93	12.67	0.56	CO 22
	RC6	16	0.000	Max N	-25.13	10.23	0.00	-0.02	-0.00	-2.47	LC 1-4
				Min N	-162.69	-9.17	0.00	-0.01	-0.00	2.31	LC 1-5
				Max V _y	-66.02	21.27	0.00	-0.03	-0.00	-5.23	LC 1-5
				Min V _y	-121.79	-20.21	0.00	0.00	-0.00	5.07	LC 1-4
				Max V _z	-101.08	17.13	0.00	-0.02	-0.00	-4.22	LC 1-5
				Min V _z	-86.74	-16.06	0.00	-0.00	-0.00	4.06	LC 1-4



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
15	RC6	17	3.000	Max M _T	-112.00	-15.75	0.00	0.00	-0.00	3.97	LC 1-4
				Min M _T	-75.81	16.81	0.00	-0.03	-0.00	-4.14	LC 1-5
				Max M _y	-88.81	-16.68	0.00	-0.00	-0.00	4.21	LC 1-4
				Min M _y	-99.00	17.74	0.00	-0.02	-0.00	-4.37	LC 1-5
				Max M _z	-127.08	-20.21	0.00	-0.00	-0.00	5.07	LC 1-5
				Min M _z	-60.74	21.27	0.00	-0.02	-0.00	-5.23	LC 1-4
				Max N	23.94	99.14	133.82	3.58	34.04	-241.38	LC 1-4
				Min N	-292.61	-94.67	-57.87	-4.59	-16.56	234.91	LC 1-5
				Max V _y	-67.66	205.94	48.27	7.48	11.21	-502.99	LC 1-5
				Min V _y	-201.01	-201.46	27.68	-8.49	6.27	496.53	LC 1-4
				Max V _z	2.10	29.03	146.34	0.73	37.21	-69.17	LC 1-5
				Min V _z	-270.78	-24.56	-70.40	-1.74	-19.73	62.70	LC 1-4
				Max M _T	-56.58	204.90	44.70	7.63	10.46	-501.00	LC 1-4
				Min M _T	-212.09	-200.43	31.24	-8.64	7.02	494.54	LC 1-5
				Max M _y	1.83	28.19	146.34	0.70	37.21	-67.11	LC 1-5
				Min M _y	-270.50	-23.72	-70.40	-1.71	-19.73	60.65	LC 1-4
				Max M _z	-210.24	-201.32	32.86	-8.60	7.44	496.77	LC 1-5
				Min M _z	-58.43	205.79	43.08	7.59	10.03	-503.24	LC 1-4
16	RC1	17	0.000	Max N	-236.65	14.97	2.38	-2.70	-5.27	7.13	CO 14
				Min N	-293.53	12.67	9.92	-2.90	-14.89	16.77	CO 3
				Max V _y	-264.38	17.98	2.89	-2.83	-6.03	9.70	CO 10
				Min V _y	-265.80	9.65	9.41	-2.77	-14.13	14.19	CO 7
				Max V _z	-293.39	12.64	9.96	-2.90	-14.94	16.63	CO 5
				Min V _z	-236.65	14.97	2.38	-2.70	-5.27	7.13	CO 14
				Max M _T	-246.83	9.77	8.11	-2.60	-11.88	20.11	CO 13
				Min M _T	-283.34	17.85	4.19	-3.00	-8.28	3.77	CO 4
				Max M _y	-236.65	14.97	2.38	-2.70	-5.27	7.13	CO 14
				Min M _y	-293.39	12.64	9.96	-2.90	-14.94	16.63	CO 5
				Max M _z	-274.56	12.79	8.62	-2.74	-12.64	22.69	CO 9
				Min M _z	-255.61	14.84	3.69	-2.87	-7.52	1.20	CO 8
		18	3.650	Max N	-193.16	-9.86	9.42	-2.70	16.33	-2.19	CO 14
				Min N	-250.04	12.66	9.89	-2.90	21.38	-29.47	CO 3
				Max V _y	-231.07	12.78	8.59	-2.73	18.85	-23.99	CO 9
				Min V _y	-212.12	-9.99	10.72	-2.87	18.85	-7.67	CO 8
				Max V _z	-239.72	-7.00	11.25	-2.99	20.03	-16.13	CO 6
				Min V _z	-203.34	9.77	8.09	-2.60	17.76	-15.57	CO 13
				Max M _T	-203.34	9.77	8.09	-2.60	17.76	-15.57	CO 13
				Min M _T	-239.86	-6.98	11.22	-3.00	19.95	-16.08	CO 4
				Max M _y	-249.91	12.64	9.92	-2.89	21.47	-29.52	CO 5
				Min M _y	-193.16	-9.86	9.42	-2.70	16.33	-2.19	CO 14
				Max M _z	-193.16	-9.86	9.42	-2.70	16.33	-2.19	CO 14
				Min M _z	-249.91	12.64	9.92	-2.89	21.47	-29.52	CO 5
	RC2	17	0.000	Max N	-171.11	10.01	1.90	-1.89	-3.96	4.61	CO 28
				Min N	-212.48	8.68	7.05	-2.04	-10.59	10.78	CO 17
				Max V _y	-191.65	12.24	2.27	-1.99	-4.52	6.51	CO 24
				Min V _y	-191.93	6.45	6.68	-1.95	-10.02	8.87	CO 21
				Max V _z	-212.38	8.67	7.08	-2.04	-10.63	10.68	CO 19
				Min V _z	-171.11	10.01	1.90	-1.89	-3.96	4.61	CO 28
				Max M _T	-177.88	6.54	5.71	-1.82	-8.36	13.25	CO 27
				Min M _T	-205.70	12.15	3.24	-2.11	-6.18	2.13	CO 18
				Max M _y	-171.11	10.01	1.90	-1.89	-3.96	4.61	CO 28
				Min M _y	-212.38	8.67	7.08	-2.04	-10.63	10.68	CO 19
				Max M _z	-198.43	8.77	6.09	-1.92	-8.92	15.16	CO 23
				Min M _z	-185.15	9.92	2.86	-2.01	-5.62	0.22	CO 22
		18	3.650	Max N	-138.89	-6.54	6.59	-1.89	11.56	-1.71	CO 28
				Min N	-180.26	8.68	7.04	-2.04	15.20	-20.93	CO 17
				Max V _y	-166.22	8.77	6.07	-1.92	13.32	-16.87	CO 23
				Min V _y	-152.94	-6.63	7.55	-2.01	13.43	-5.77	CO 22
				Max V _z	-173.38	-4.42	7.95	-2.10	14.30	-12.04	CO 20
				Min V _z	-145.67	6.54	5.70	-1.82	12.51	-10.63	CO 27
				Max M _T	-145.67	6.54	5.70	-1.82	12.51	-10.63	CO 27
				Min M _T	-173.48	-4.41	7.93	-2.11	14.24	-12.01	CO 18
				Max M _y	-180.16	8.66	7.07	-2.04	15.26	-20.96	CO 19
				Min M _y	-138.89	-6.54	6.59	-1.89	11.56	-1.71	CO 28
				Max M _z	-138.89	-6.54	6.59	-1.89	11.56	-1.71	CO 28
				Min M _z	-180.16	8.66	7.07	-2.04	15.26	-20.96	CO 19
	RC6	17	0.000	Max N	-24.70	-95.36	-30.66	1.92	63.72	-318.75	LC 1-4
				Min N	-372.89	100.68	40.25	-4.36	-78.16	310.90	LC 1-5
				Max V _y	-281.87	196.92	6.01	-6.51	-9.65	623.00	LC 1-5
				Min V _y	-66.32	-191.60	3.58	4.08	-4.78	-630.85	LC 1-4
				Max V _z	-347.57	22.32	44.47	-2.27	-86.44	53.87	LC 1-5
				Min V _z	-0.63	-17.00	-34.88	-0.16	72.01	-61.72	LC 1-4
				Max M _T	-62.45	-180.49	1.83	4.39	-1.28	-601.36	LC 1-4
				Min M _T	-285.74	185.80	7.76	-6.83	-13.15	593.51	LC 1-5
				Max M _y	-0.26	-17.32	-34.88	-0.15	72.01	-62.84	LC 1-4
				Min M _y	-347.93	22.64	44.47	-2.28	-86.45	54.99	LC 1-5
				Max M _z	-282.01	196.42	5.81	-6.56	-9.26	624.63	LC 1-5
				Min M _z	-66.18	-191.10	3.78	4.12	-5.17	-632.48	LC 1-4
		18	3.650	Max N	56.91	-93.31	-27.70	1.92	-44.85	26.87	LC 1-4
				Min N	-340.67	98.62	37.29	-4.36	65.42	-54.13	LC 1-5
				Max V _y	-249.77	192.51	5.91	-6.52	12.18	-90.12	LC 1-5
				Min V _y	-33.99	-187.19	3.68	4.09	8.40	62.86	LC 1-4
				Max V _z	-315.71	21.87	41.09	-2.27	72.03	-27.02	LC 1-5
				Min V _z	31.95	-16.55	-31.50	-0.17	-51.46	-0.24	LC 1-4
				Max M _T	-30.23	-176.51	2.10	4.39	5.71	52.69	LC 1-4
				Min M _T	-253.53	181.83	7.49	-6.83	14.87	-79.96	LC 1-5
				Max M _y	-315.17	21.50	41.08	-2.26	72.05	-27.00	LC 1-5
				Min M _y	31.41	-16.18	-31.48	-0.18	-51.48	-0.26	LC 1-4
				Max M _z	-46.49	-161.74	1.74	3.03	5.01	74.62	LC 1-4
				Min M _z	-237.27	167.06	7.85	-5.46	15.56	-101.88	LC 1-5
27	RC1	31	0.000	Max N	-138.62	3.82	0.01	-0.01	-0.00	-0.57	CO 14
				Min N	-159.29	3.52	0.01	-0.01	-0.00	-0.36	CO 5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
27	RC1	32	3.000	Max V _y	-156.55	4.52	0.01	-0.01	-0.00	-0.62	CO 6
				Min V _y	-141.35	2.82	0.01	-0.01	-0.00	-0.31	CO 13
				Max V _z	-159.29	3.52	0.01	-0.01	-0.00	-0.36	CO 5
				Min V _z	-138.62	3.82	0.01	-0.01	-0.00	-0.57	CO 14
				Max M _T	-151.79	3.34	0.01	-0.01	-0.00	-0.37	CO 9
				Min M _T	-146.03	4.00	0.01	-0.01	-0.00	-0.56	CO 8
				Max M _y	-138.62	3.82	0.01	-0.01	-0.00	-0.57	CO 14
				Min M _y	-159.29	3.52	0.01	-0.01	-0.00	-0.36	CO 5
				Max M _z	-148.67	2.98	0.01	-0.01	-0.00	-0.30	CO 1
				Min M _z	-149.14	4.35	0.01	-0.01	-0.00	-0.63	CO 12
				Max N	-190.74	2.15	14.99	-0.60	4.22	-18.38	CO 14
				Min N	-222.52	-8.65	2.91	-0.21	1.14	10.20	CO 5
				Max V _y	-190.74	2.15	14.99	-0.60	4.22	-18.38	CO 14
				Min V _y	-222.35	-8.67	2.85	-0.21	1.13	10.24	CO 3
				Max V _z	-207.29	1.35	17.16	-0.57	4.77	-17.02	CO 12
				Min V _z	-205.80	-7.87	0.68	-0.25	0.58	8.88	CO 1
				Max M _T	-222.52	-8.65	2.91	-0.21	1.14	10.20	CO 5
				Min M _T	-190.74	2.15	14.99	-0.60	4.22	-18.38	CO 14
				Max M _y	-207.29	1.35	17.16	-0.57	4.77	-17.02	CO 12
				Min M _y	-205.80	-7.87	0.68	-0.25	0.58	8.88	CO 1
				Max M _z	-222.35	-8.67	2.85	-0.21	1.13	10.24	CO 3
				Min M _z	-190.74	2.15	14.99	-0.60	4.22	-18.38	CO 14
	RC2	31	0.000	Max N	-100.26	2.68	0.00	-0.01	-0.00	-0.39	CO 28
				Min N	-115.36	2.53	0.01	-0.01	-0.00	-0.26	CO 19
				Max V _y	-113.54	3.20	0.01	-0.01	-0.00	-0.43	CO 20
				Min V _y	-102.08	2.01	0.00	-0.01	-0.00	-0.22	CO 27
				Max V _z	-115.36	2.53	0.01	-0.01	-0.00	-0.26	CO 19
				Min V _z	-100.26	2.68	0.00	-0.01	-0.00	-0.39	CO 28
				Max M _T	-109.81	2.40	0.01	-0.01	-0.00	-0.26	CO 23
				Min M _T	-105.74	2.81	0.00	-0.01	-0.00	-0.39	CO 22
				Max M _y	-100.26	2.68	0.00	-0.01	-0.00	-0.39	CO 28
				Min M _y	-115.36	2.53	0.01	-0.01	-0.00	-0.26	CO 19
				Max M _z	-107.50	2.14	0.00	-0.01	-0.00	-0.22	CO 15
				Min M _z	-108.05	3.07	0.00	-0.01	-0.00	-0.43	CO 26
		32	3.000	Max N	-137.29	1.15	10.01	-0.41	2.83	-11.96	CO 28
				Min N	-160.42	-6.23	1.74	-0.13	0.73	7.52	CO 19
				Max V _y	-137.29	1.15	10.01	-0.41	2.83	-11.96	CO 28
				Min V _y	-160.30	-6.25	1.70	-0.13	0.71	7.55	CO 17
				Max V _z	-149.55	0.56	11.62	-0.38	3.24	-10.96	CO 26
				Min V _z	-148.04	-5.66	0.09	-0.16	0.31	6.54	CO 15
				Max M _T	-160.42	-6.23	1.74	-0.13	0.73	7.52	CO 19
				Min M _T	-137.29	1.15	10.01	-0.41	2.83	-11.96	CO 28
				Max M _y	-149.55	0.56	11.62	-0.38	3.24	-10.96	CO 26
				Min M _y	-148.04	-5.66	0.09	-0.16	0.31	6.54	CO 15
				Max M _z	-160.30	-6.25	1.70	-0.13	0.71	7.55	CO 17
				Min M _z	-137.29	1.15	10.01	-0.41	2.83	-11.96	CO 28
	RC6	31	0.000	Max N	-51.16	17.46	0.00	-0.01	-0.00	-3.99	LC 1-4
				Min N	-139.24	-13.57	0.01	-0.00	-0.00	3.63	LC 1-5
				Max V _y	-59.90	18.98	0.00	-0.01	-0.00	-4.35	LC 1-5
				Min V _y	-130.50	-15.09	0.01	-0.00	-0.00	3.99	LC 1-4
				Max V _z	-139.20	-13.89	0.01	-0.00	-0.00	3.72	LC 1-5
				Min V _z	-51.20	17.79	0.00	-0.01	-0.00	-4.07	LC 1-4
				Max M _T	-129.10	-11.54	0.01	-0.00	-0.00	3.11	LC 1-4
				Min M _T	-61.30	15.44	0.00	-0.01	-0.00	-3.47	LC 1-5
				Max M _y	-51.33	18.15	0.00	-0.01	-0.00	-4.16	LC 1-4
				Min M _y	-139.07	-14.25	0.01	-0.00	-0.00	3.80	LC 1-5
				Max M _z	-130.45	-15.09	0.01	-0.00	-0.00	3.99	LC 1-4
				Min M _z	-59.95	18.98	0.00	-0.01	-0.00	-4.35	LC 1-5
		32	3.000	Max N	-33.16	134.91	-49.07	-3.64	-12.15	-342.80	LC 1-4
				Min N	-220.00	-145.04	45.02	3.72	11.48	358.18	LC 1-5
				Max V _y	-38.25	151.09	4.34	-4.64	1.26	-384.66	LC 1-4
				Min V _y	-214.91	-161.22	-8.39	4.73	-1.93	400.04	LC 1-5
				Max V _z	-136.43	58.87	197.50	-4.11	49.73	-155.19	LC 1-4
				Min V _z	-116.73	-69.01	-201.55	4.20	-50.40	170.58	LC 1-5
				Max M _T	-153.96	-136.78	-157.11	6.03	-39.29	340.99	LC 1-4
				Min M _T	-99.21	126.64	153.06	-5.94	38.62	-325.60	LC 1-5
				Max M _y	-136.42	58.89	197.50	-4.11	49.73	-155.25	LC 1-4
				Min M _y	-116.74	-69.03	-201.55	4.20	-50.40	170.63	LC 1-5
				Max M _z	-214.74	-161.20	-8.73	4.73	-2.01	400.11	LC 1-5
				Min M _z	-38.43	151.06	4.68	-4.64	1.34	-384.72	LC 1-4
28	RC1	32	0.000	Max N	-252.38	-23.22	-20.74	-1.00	18.09	-20.98	CO 14
				Min N	-293.40	-7.72	-12.15	-0.88	15.05	14.84	CO 5
				Max V _y	-293.40	-7.72	-12.15	-0.88	15.05	14.84	CO 5
				Min V _y	-252.38	-23.22	-20.74	-1.00	18.09	-20.98	CO 14
				Max V _z	-260.61	-10.96	-11.12	-0.99	14.35	6.75	CO 13
				Min V _z	-285.16	-19.98	-21.76	-0.89	18.79	-12.91	CO 6
				Max M _T	-293.40	-7.72	-12.15	-0.88	15.05	14.84	CO 5
				Min M _T	-252.38	-23.22	-20.74	-1.00	18.09	-20.98	CO 14
				Max M _y	-273.80	-22.11	-21.53	-0.98	18.97	-18.81	CO 12
				Min M _y	-271.73	-8.84	-11.31	-0.91	14.13	12.71	CO 1
				Max M _z	-293.16	-7.73	-12.10	-0.89	15.01	14.89	CO 3
				Min M _z	-252.38	-23.22	-20.74	-1.00	18.09	-20.98	CO 14
		33	3.650	Max N	-208.89	-18.31	1.55	-0.98	-17.04	54.82	CO 14
				Min N	-249.91	-7.70	-12.07	-0.87	-29.31	42.99	CO 5
				Max V _y	-249.91	-7.70	-12.07	-0.87	-29.31	42.99	CO 5
				Min V _y	-208.89	-18.31	1.55	-0.98	-17.04	54.82	CO 14
				Max V _z	-208.89	-18.31	1.55	-0.98	-17.04	54.82	CO 14
				Min V _z	-249.91	-7.70	-12.07	-0.87	-29.31	42.99	CO 5
				Max M _T	-249.91	-7.70	-12.07	-0.87	-29.31	42.99	CO 5
				Min M _T	-208.89	-18.31	1.55	-0.98	-17.04	54.82	CO 14
				Max M _y	-208.89	-18.31	1.55	-0.98	-17.04	54.82	CO 14
				Min M _y	-249.91	-7.70	-12.07	-0.87	-29.31	42.99	CO 5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
28	RC1	32	0.000	Max M _z	-208.89	-18.31	1.55	-0.98	-17.04	54.82	CO 14
				Min M _z	-249.91	-7.70	-12.07	-0.87	-29.31	42.99	CO 5
				Max N	-182.00	-15.80	-14.17	-0.69	12.45	-13.56	CO 28
				Min N	-211.77	-5.23	-8.52	-0.61	10.48	10.89	CO 19
				Max V _y	-211.77	-5.23	-8.52	-0.61	10.48	10.89	CO 19
				Min V _y	-182.00	-15.80	-14.17	-0.69	12.45	-13.56	CO 28
				Max V _z	-187.48	-7.63	-7.76	-0.69	9.96	4.91	CO 27
				Min V _z	-206.28	-13.40	-14.93	-0.61	12.97	-7.59	CO 20
				Max M _T	-211.77	-5.23	-8.52	-0.61	10.48	10.89	CO 19
				Min M _T	-182.00	-15.80	-14.17	-0.69	12.45	-13.56	CO 28
				Max M _y	-197.87	-14.98	-14.76	-0.67	13.11	-11.96	CO 26
				Min M _y	-195.72	-6.06	-7.90	-0.63	9.80	9.32	CO 15
				Max M _z	-211.60	-5.24	-8.48	-0.61	10.45	10.93	CO 17
				Min M _z	-182.00	-15.80	-14.17	-0.69	12.45	-13.56	CO 28
				Max N	-149.78	-12.53	0.68	-0.68	-12.22	38.14	CO 28
				Min N	-179.56	-5.22	-8.48	-0.60	-20.62	29.98	CO 19
				Max V _y	-179.56	-5.22	-8.48	-0.60	-20.62	29.98	CO 19
				Min V _y	-149.78	-12.53	0.68	-0.68	-12.22	38.14	CO 28
				Max V _z	-149.78	-12.53	0.68	-0.68	-12.22	38.14	CO 28
				Min V _z	-179.56	-5.22	-8.48	-0.60	-20.62	29.98	CO 19
				Max M _T	-179.56	-5.22	-8.48	-0.60	-20.62	29.98	CO 19
				Min M _T	-149.78	-12.53	0.68	-0.68	-12.22	38.14	CO 28
				Max M _y	-149.78	-12.53	0.68	-0.68	-12.22	38.14	CO 28
				Min M _y	-179.56	-5.22	-8.48	-0.60	-20.62	29.98	CO 19
				Max M _z	-149.78	-12.53	0.68	-0.68	-12.22	38.14	CO 28
				Min M _z	-179.56	-5.22	-8.48	-0.60	-20.62	29.98	CO 19
	RC6	32	0.000	Max N	-38.27	-151.61	2.84	-0.71	-9.81	-438.15	LC 1-4
				Min N	-299.91	148.91	-12.27	0.27	20.11	459.46	LC 1-5
				Max V _y	-278.98	164.17	-3.08	1.19	1.45	495.35	LC 1-4
				Min V _y	-59.20	-166.87	-6.36	-1.63	8.85	-474.04	LC 1-5
				Max V _z	-146.84	68.30	32.59	4.54	-73.97	210.17	LC 1-4
				Min V _z	-191.34	-71.00	-42.02	-4.97	84.27	-188.85	LC 1-5
				Max M _T	-175.88	94.81	28.73	5.05	-65.96	294.45	LC 1-4
				Min M _T	-162.30	-97.51	-38.17	-5.49	76.26	-273.14	LC 1-5
				Max M _y	-190.87	-71.60	-42.01	-4.98	84.29	-190.97	LC 1-5
				Min M _y	-147.31	68.90	32.58	4.55	-73.99	212.28	LC 1-4
				Max M _z	-294.20	162.87	-4.24	1.10	2.95	497.28	LC 1-5
				Min M _z	-43.98	-165.56	-5.19	-1.54	7.35	-475.97	LC 1-4
		33	3.650	Max N	-6.05	-148.67	2.21	-0.71	-0.16	111.70	LC 1-4
				Min N	-267.70	145.97	-11.64	0.27	-23.97	-80.54	LC 1-5
				Max V _y	-246.84	160.88	-3.31	1.19	-10.04	-99.75	LC 1-4
				Min V _y	-26.91	-163.57	-6.12	-1.63	-14.09	130.91	LC 1-5
				Max V _z	-114.44	66.50	28.69	4.54	40.49	-36.45	LC 1-4
				Min V _z	-159.31	-69.20	-38.12	-4.98	-64.62	67.61	LC 1-5
				Max M _T	-143.67	92.79	25.28	5.05	35.06	-49.18	LC 1-4
				Min M _T	-130.08	-95.48	-34.72	-5.49	-59.18	80.34	LC 1-5
				Max M _y	-113.82	65.79	28.65	4.53	40.55	-36.64	LC 1-4
				Min M _y	-159.92	-68.49	-38.08	-4.97	-64.68	67.79	LC 1-5
				Max M _z	-34.86	-158.73	-6.47	-1.49	-14.79	134.39	LC 1-5
				Min M _z	-238.89	156.04	-2.96	1.05	-9.34	-103.24	LC 1-4
	RC1	43	0.000	Max N	-111.63	0.45	-0.60	0.00	0.08	0.28	CO 14
				Min N	-133.94	0.51	-0.72	0.00	0.09	0.36	CO 5
				Max V _y	-133.61	0.62	-0.72	0.00	0.10	0.29	CO 6
				Min V _y	-111.96	0.34	-0.60	-0.00	0.08	0.36	CO 13
				Max V _z	-111.63	0.45	-0.60	0.00	0.08	0.28	CO 14
				Min V _z	-133.94	0.51	-0.72	0.00	0.09	0.36	CO 5
				Max M _T	-133.61	0.62	-0.72	0.00	0.10	0.29	CO 6
				Min M _T	-127.13	0.41	-0.69	-0.00	0.09	0.40	CO 9
				Max M _y	-133.61	0.62	-0.72	0.00	0.10	0.29	CO 6
				Min M _y	-111.96	0.34	-0.60	-0.00	0.08	0.36	CO 13
				Max M _z	-127.13	0.41	-0.69	-0.00	0.09	0.40	CO 9
				Min M _z	-118.25	0.55	-0.63	0.00	0.08	0.25	CO 8
		44	3.000	Max N	-154.72	-21.83	17.87	0.42	4.90	20.76	CO 14
				Min N	-190.73	-28.91	15.74	0.44	4.34	27.66	CO 5
				Max V _y	-163.68	-13.41	18.12	0.44	4.98	13.27	CO 8
				Min V _y	-181.59	-37.37	15.43	0.41	4.24	35.21	CO 9
				Max V _z	-189.22	-15.80	21.72	0.50	5.96	15.69	CO 6
				Min V _z	-156.23	-34.93	11.90	0.36	3.28	32.72	CO 13
				Max M _T	-189.22	-15.80	21.72	0.50	5.96	15.69	CO 6
				Min M _T	-156.23	-34.93	11.90	0.36	3.28	32.72	CO 13
				Max M _y	-189.22	-15.80	21.72	0.50	5.96	15.69	CO 6
				Min M _y	-156.23	-34.93	11.90	0.36	3.28	32.72	CO 13
				Max M _z	-181.59	-37.37	15.43	0.41	4.24	35.21	CO 9
				Min M _z	-163.68	-13.41	18.12	0.44	4.98	13.27	CO 8
	RC2	43	0.000	Max N	-81.30	0.33	-0.44	0.00	0.06	0.20	CO 28
				Min N	-97.79	0.39	-0.53	0.00	0.07	0.25	CO 19
				Max V _y	-97.58	0.46	-0.52	0.00	0.07	0.21	CO 20
				Min V _y	-81.51	0.26	-0.44	-0.00	0.06	0.25	CO 27
				Max V _z	-81.30	0.33	-0.44	0.00	0.06	0.20	CO 28
				Min V _z	-97.79	0.39	-0.53	0.00	0.07	0.25	CO 19
				Max M _T	-97.58	0.46	-0.52	0.00	0.07	0.21	CO 20
				Min M _T	-92.75	0.31	-0.50	-0.00	0.07	0.28	CO 23
				Max M _y	-97.58	0.46	-0.52	0.00	0.07	0.21	CO 20
				Min M _y	-81.51	0.26	-0.44	-0.00	0.06	0.25	CO 27
				Max M _z	-92.75	0.31	-0.50	-0.00	0.07	0.28	CO 23
				Min M _z	-86.20	0.41	-0.46	0.00	0.06	0.18	CO 22
		44	3.000	Max N	-112.14	-15.36	12.50	0.30	3.43	14.62	CO 28
				Min N	-138.70	-19.63	11.38	0.32	3.13	18.84	CO 19
				Max V _y	-118.77	-9.14	12.69	0.32	3.49	9.07	CO 22
				Min V _y	-131.93	-25.90	11.14	0.30	3.06	24.42	CO 23
				Max V _z	-137.69	-10.90	15.35	0.36	4.21	10.86	CO 20
				Min V _z	-113.14	-24.09	8.53	0.26	2.35	22.58	CO 27



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
35	RC2	43	0.000	Max M _T	-137.69	-10.90	15.35	▷ 0.36	4.21	10.86	CO 20
				Min M _T	-113.14	-24.09	8.53	▷ 0.26	2.35	22.58	CO 27
				Max M _y	-137.69	-10.90	15.35	▷ 0.36	4.21	10.86	CO 20
				Min M _y	-113.14	-24.09	8.53	▷ 0.26	2.35	22.58	CO 27
				Max M _z	-131.93	-25.90	11.14	0.30	3.06	24.42	CO 23
				Min M _z	-118.77	-9.14	12.69	0.32	3.49	9.07	CO 22
				Max N	▷ -41.83	3.47	-0.23	0.01	0.03	-2.15	LC 1-4
				Min N	▷ -131.67	-2.55	-0.72	-0.01	0.09	2.46	LC 1-5
				Max V _y	▷ -44.48	▷ 3.69	-0.23	0.01	0.03	-2.28	LC 1-4
				Min V _y	▷ -129.03	▷ -2.77	-0.71	-0.01	0.09	2.60	LC 1-5
				Max V _z	-42.05	3.56	▷ -0.22	0.01	0.03	-2.21	LC 1-4
				Min V _z	-131.46	-2.64	▷ -0.72	-0.01	0.09	2.52	LC 1-5
	RC6	44	3.000	Max M _T	-43.00	3.66	-0.23	▷ 0.01	0.03	-2.27	LC 1-4
				Min M _T	-130.51	-2.74	-0.71	▷ -0.01	0.09	2.58	LC 1-5
				Max M _y	-131.42	-2.42	-0.71	▷ -0.01	0.09	2.37	LC 1-5
				Min M _y	-42.08	3.34	-0.23	0.01	0.03	-2.06	LC 1-4
				Max M _z	-129.44	-2.77	-0.71	-0.01	0.09	2.60	LC 1-5
				Min M _z	-44.07	3.69	-0.23	0.01	0.03	-2.29	LC 1-4
				Max N	▷ 90.09	393.89	-74.13	2.83	-20.18	-358.09	LC 1-4
				Min N	▷ -326.53	-403.28	92.27	-2.24	25.13	368.03	LC 1-5
				Max V _y	▷ 79.25	▷ 418.52	-41.72	2.87	-11.37	-380.42	LC 1-4
				Min V _y	▷ -315.69	▷ -427.91	59.87	-2.28	16.32	390.37	LC 1-5
				Max V _z	-206.06	-45.30	▷ 122.03	-0.04	33.19	42.48	LC 1-5
				Min V _z	-30.38	35.90	▷ -103.88	0.63	-28.24	-32.53	LC 1-4
		45	3.650	Max M _T	55.92	361.10	-46.40	▷ 3.29	-12.66	-328.00	LC 1-5
				Min M _T	-292.36	-370.49	64.55	-2.71	17.61	337.95	LC 1-4
				Max M _y	-206.06	-45.30	122.03	-0.04	33.19	42.48	LC 1-5
				Min M _y	-30.38	35.90	-103.88	0.63	-28.24	-32.53	LC 1-4
				Max M _z	-315.71	-427.91	59.95	-2.28	16.34	390.37	LC 1-5
				Min M _z	79.27	418.52	-41.80	2.87	-11.39	-380.42	LC 1-4
36	RC1	44	0.000	Max N	▷ -199.86	9.06	-5.78	0.57	6.72	20.22	CO 14
				Min N	▷ -245.52	13.71	-5.87	0.72	4.63	27.59	CO 5
				Max V _y	▷ -230.87	15.41	-5.61	0.78	4.68	36.91	CO 11
				Min V _y	▷ -214.28	7.34	-6.01	0.51	6.62	11.00	CO 2
				Max V _z	-201.24	13.58	▷ -4.15	0.72	3.13	34.52	CO 13
				Min V _z	-244.15	9.19	▷ -7.51	0.57	8.22	13.28	CO 6
				Max M _T	-230.87	15.41	-5.61	▷ 0.78	4.68	36.91	CO 11
				Min M _T	-214.28	7.34	-6.01	▷ 0.51	6.62	11.00	CO 2
				Max M _y	-229.49	10.89	-7.25	0.63	▷ 8.27	22.60	CO 12
				Min M _y	-215.65	11.85	-4.37	0.65	▷ 3.03	25.31	CO 1
				Max M _z	-230.62	15.38	-5.58	0.77	4.63	37.01	CO 9
				Min M _z	-214.52	7.36	-6.04	0.51	6.67	10.90	CO 8
		45	3.650	Max N	▷ -156.37	9.07	-5.76	0.57	-14.38	-12.87	CO 14
				Min N	▷ -202.04	13.71	-5.82	0.72	-16.77	-22.45	CO 5
				Max V _y	▷ -187.38	15.41	-5.57	0.77	-15.77	-19.34	CO 11
				Min V _y	▷ -170.79	7.34	-5.98	0.50	-15.31	-15.78	CO 2
				Max V _z	-157.75	13.58	▷ -4.12	0.71	-11.98	-15.05	CO 13
				Min V _z	-200.66	9.19	▷ -7.46	0.57	-19.18	-20.27	CO 6
				Max M _T	-187.38	15.41	-5.57	▷ 0.77	-15.77	-19.34	CO 11
				Min M _T	-170.79	7.34	-5.98	▷ 0.50	-15.31	-15.78	CO 2
				Max M _y	-157.75	13.58	-4.12	▷ 0.71	-11.98	-15.05	CO 13
				Min M _y	-200.66	9.19	-7.46	0.57	-19.18	-20.27	CO 6
				Max M _z	-156.37	9.07	-5.76	0.57	-14.38	-12.87	CO 14
				Min M _z	-202.04	13.71	-5.82	0.72	-16.77	-22.45	CO 5
	RC2	44	0.000	Max N	▷ -145.24	6.29	-3.98	0.41	4.55	14.11	CO 28
				Min N	▷ -178.97	9.39	-4.17	0.51	3.27	18.50	CO 19
				Max V _y	▷ -168.11	10.65	-3.98	0.56	3.31	25.40	CO 25
				Min V _y	▷ -155.92	5.01	-4.15	0.37	4.48	7.28	CO 16
				Max V _z	-146.16	9.30	▷ -2.89	0.51	2.16	23.63	CO 27
				Min V _z	-178.05	6.39	▷ -5.26	0.42	5.66	8.97	CO 20
				Max M _T	-168.11	10.65	-3.98	▷ 0.56	3.31	25.40	CO 25
				Min M _T	-155.92	5.01	-4.15	▷ 0.37	4.48	7.28	CO 16
				Max M _y	-167.19	7.64	-5.07	▷ 0.46	5.70	15.87	CO 26
				Min M _y	-156.84	8.02	-3.06	▷ 0.46	2.09	16.81	CO 15
				Max M _z	-167.93	10.63	-3.95	0.55	3.27	25.48	CO 23
				Min M _z	-156.10	5.03	-4.18	0.37	4.51	7.21	CO 22
		45	3.650	Max N	▷ -113.03	6.29	-3.97	0.41	-9.99	-8.86	CO 28
				Min N	▷ -146.75	9.39	-4.14	0.51	-11.94	-15.79	CO 19
				Max V _y	▷ -135.89	10.65	-3.95	0.55	-11.20	-13.49	CO 25
				Min V _y	▷ -123.71	5.01	-4.14	0.36	-10.67	-11.01	CO 16
				Max V _z	-113.94	9.30	▷ -2.88	0.51	-8.38	-10.31	CO 27
				Min V _z	-145.84	6.38	▷ -5.24	0.41	-13.54	-14.34	CO 20
				Max M _T	-135.89	10.65	-3.95	▷ 0.55	-11.20	-13.49	CO 25
				Min M _T	-123.71	5.01	-4.14	▷ 0.36	-10.67	-11.01	CO 16
				Max M _y	-113.94	9.30	-2.88	0.51	-8.38	-10.31	CO 27
				Min M _y	-145.84	6.38	-5.24	0.41	-13.54	-14.34	CO 20
				Max M _z	-113.03	6.29	-3.97	0.41	-9.99	-8.86	CO 28
				Min M _z	-146.75	9.39	-4.14	0.51	-11.94	-15.79	CO 19
	RC6	44	0.000	Max N	▷ -20.60	-127.84	18.70	2.34	-43.81	-432.77	LC 1-4
				Min N	▷ -291.75	134.09	-24.27	-1.61	47.84	437.30	LC 1-5
				Max V _y	▷ -285.10	141.61	-16.79	-0.90	31.09	459.98	LC 1-5
				Min V _y	▷ -27.25	-135.35	11.22	1.63	-27.06	-455.45	LC 1-4
				Max V _z	-102.35	-12.83	▷ 27.42	2.77	-64.19	-41.51	LC 1-4
				Min V _z	-210.00	19.09	▷ -32.99	-2.05	68.21	46.04	LC 1-5
				Max M _T	-92.40	-45.91	18.53	▷ 4.34	-45.07	-154.96	LC 1-5
				Min M _T	-219.95	52.17	-24.10	▷ -3.62	49.10	159.49	LC 1-4
				Max M _y	-209.57	18.31	-32.98	▷ -2.06	68.23	43.62	LC 1-5
				Min M _y	-102.78	-12.06	27.41	▷ 2.79	-64.21	-39.09	LC 1-4
				Max M _z	-285.66	141.27	-16.44	-0.85	30.37	461.11	LC 1-5
				Min M _z	-26.69	-135.01	10.87	1.58	-26.34	-456.58	LC 1-4
		45	3.650	Max N	▷ 11.61	-125.44	16.60	2.34	22.10	31.12	LC 1-4
				Min N	▷ -259.54	131.70	-22.17	-1.61	-38.40	-49.43	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
36	RC6			Max V _y	-253.04	138.91	-15.42	-0.91	-28.65	-53.62	LC 1-5
				Min V _y	5.12	-132.66	9.85	1.63	12.35	35.31	LC 1-4
				Max V _z	-69.67	-12.78	24.23	2.76	32.29	4.74	LC 1-4
				Min V _z	-178.26	19.04	-29.80	-2.03	-48.60	-23.05	LC 1-5
				Max M _T	-60.18	-45.15	15.94	4.34	19.69	11.73	LC 1-5
				Min M _T	-187.74	51.41	-21.51	-3.62	-36.00	-30.04	LC 1-4
				Max M _y	-69.12	-13.90	24.20	2.74	32.34	5.42	LC 1-4
				Min M _y	-178.80	20.16	-29.77	-2.02	-48.65	-23.73	LC 1-5
				Max M _z	-23.59	-106.83	10.88	1.90	14.07	45.41	LC 1-4
				Min M _z	-224.33	113.09	-16.45	-1.17	-30.37	-63.72	LC 1-5
				Max N	-99.99	0.24	-0.45	-0.02	0.08	0.37	CO 13
				Min N	-120.96	0.50	-0.55	-0.02	0.09	0.31	CO 4
				Max V _y	-120.96	0.50	-0.54	-0.02	0.09	0.31	CO 6
				Min V _y	-99.99	0.24	-0.45	-0.02	0.08	0.37	CO 13
				Max V _z	-99.99	0.24	-0.45	-0.02	0.08	0.37	CO 13
41	RC1	52	0.000	Min V _z	-120.96	0.50	-0.55	-0.02	0.09	0.31	CO 4
				Max M _T	-100.36	0.34	-0.45	-0.01	0.08	0.30	CO 14
				Min M _T	-120.59	0.40	-0.54	-0.02	0.09	0.37	CO 5
				Max M _y	-120.96	0.50	-0.54	-0.02	0.09	0.31	CO 6
				Min M _y	-99.99	0.24	-0.45	-0.02	0.08	0.37	CO 13
				Max M _z	-115.12	0.29	-0.54	-0.02	0.09	0.42	CO 9
				Min M _z	-105.84	0.45	-0.46	-0.02	0.08	0.26	CO 8
		54	3.000	Max N	-131.14	-36.40	4.73	0.43	1.45	35.19	CO 13
				Min N	-162.91	-18.23	13.15	0.68	3.75	19.47	CO 4
				Max V _y	-138.14	-14.66	11.26	0.56	3.24	15.77	CO 8
				Min V _y	-155.92	-39.97	6.62	0.56	1.96	38.89	CO 9
				Max V _z	-156.71	-27.93	13.65	0.64	3.87	27.96	CO 10
				Min V _z	-137.34	-26.70	4.23	0.47	1.33	26.70	CO 7
				Max M _T	-162.91	-18.23	13.15	0.68	3.75	19.47	CO 4
				Min M _T	-131.14	-36.40	4.73	0.43	1.45	35.19	CO 13
				Max M _y	-156.71	-27.93	13.65	0.64	3.87	27.96	CO 10
				Min M _y	-137.34	-26.70	4.23	0.47	1.33	26.70	CO 7
				Max M _z	-155.92	-39.97	6.62	0.56	1.96	38.89	CO 9
				Min M _z	-138.14	-14.66	11.26	0.56	3.24	15.77	CO 8
	RC2	52	0.000	Max N	-73.15	0.19	-0.33	-0.01	0.06	0.26	CO 27
				Min N	-88.65	0.37	-0.40	-0.01	0.07	0.22	CO 18
				Max V _y	-88.65	0.38	-0.40	-0.01	0.07	0.22	CO 20
				Min V _y	-73.15	0.19	-0.33	-0.01	0.06	0.26	CO 27
				Max V _z	-73.15	0.19	-0.33	-0.01	0.06	0.26	CO 27
				Min V _z	-88.65	0.37	-0.40	-0.01	0.07	0.22	CO 18
				Max M _T	-73.39	0.26	-0.33	-0.01	0.06	0.22	CO 28
				Min M _T	-88.41	0.31	-0.40	-0.01	0.07	0.26	CO 19
				Max M _y	-88.65	0.38	-0.40	-0.01	0.07	0.22	CO 20
				Min M _y	-73.15	0.19	-0.33	-0.01	0.06	0.26	CO 27
				Max M _z	-84.35	0.23	-0.40	-0.01	0.07	0.30	CO 23
				Min M _z	-77.45	0.34	-0.34	-0.01	0.06	0.19	CO 22
		54	3.000	Max N	-95.42	-25.19	3.46	0.31	1.05	24.40	CO 27
				Min N	-118.90	-12.63	9.17	0.49	2.62	13.57	CO 18
				Max V _y	-100.55	-9.99	7.77	0.40	2.24	10.84	CO 22
				Min V _y	-113.77	-27.84	4.85	0.40	1.43	27.14	CO 23
				Max V _z	-114.30	-19.82	9.54	0.46	2.71	19.86	CO 24
				Min V _z	-100.02	-18.02	3.09	0.34	0.96	18.12	CO 21
				Max M _T	-118.90	-12.63	9.17	0.49	2.62	13.57	CO 18
				Min M _T	-95.42	-25.19	3.46	0.31	1.05	24.40	CO 27
				Max M _y	-114.30	-19.82	9.54	0.46	2.71	19.86	CO 24
				Min M _y	-100.02	-18.02	3.09	0.34	0.96	18.12	CO 21
				Max M _z	-113.77	-27.84	4.85	0.40	1.43	27.14	CO 23
				Min M _z	-100.55	-9.99	7.77	0.40	2.24	10.84	CO 22
	RC6	52	0.000	Max N	-52.95	2.81	-0.19	-0.00	0.04	-1.63	LC 1-4
				Min N	-109.62	-2.02	-0.59	-0.02	0.08	1.97	LC 1-5
				Max V _y	-59.21	3.24	-0.23	0.00	0.05	-1.89	LC 1-4
				Min V _y	-103.37	-2.45	-0.55	-0.02	0.08	2.22	LC 1-5
				Max V _z	-52.97	2.84	-0.19	-0.00	0.04	-1.65	LC 1-4
				Min V _z	-109.61	-2.05	-0.59	-0.02	0.08	1.98	LC 1-5
				Max M _T	-60.99	3.22	-0.24	0.00	0.05	-1.87	LC 1-4
				Min M _T	-101.58	-2.43	-0.54	-0.02	0.08	2.20	LC 1-5
				Max M _y	-109.56	-1.95	-0.59	-0.02	0.08	1.92	LC 1-5
				Min M _y	-53.01	2.74	-0.19	-0.00	0.04	-1.59	LC 1-4
				Max M _z	-104.04	-2.45	-0.55	-0.02	0.08	2.23	LC 1-5
				Min M _z	-58.54	3.24	-0.22	0.00	0.05	-1.89	LC 1-4
		54	3.000	Max N	59.77	321.17	-77.55	2.54	-21.21	-289.96	LC 1-4
				Min N	-268.47	-332.87	85.43	-1.78	23.52	303.85	LC 1-5
				Max V _y	36.89	359.61	-27.85	2.75	-7.68	-324.46	LC 1-4
				Min V _y	-245.59	-371.31	35.73	-1.99	9.99	338.36	LC 1-5
				Max V _z	-204.07	-35.54	129.89	0.37	35.49	34.89	LC 1-5
				Min V _z	-4.62	23.84	-122.01	0.38	-33.18	-21.00	LC 1-4
				Max M _T	11.51	292.19	-26.01	3.31	-7.17	-263.00	LC 1-5
				Min M _T	-220.21	-303.89	33.89	-2.55	9.48	276.89	LC 1-4
				Max M _y	-204.21	-35.97	129.89	0.37	35.49	35.27	LC 1-5
				Min M _y	-4.49	24.27	-122.01	0.39	-33.18	-21.38	LC 1-4
				Max M _z	-245.74	-371.31	35.96	-1.99	10.05	338.36	LC 1-5
				Min M _z	37.04	359.61	-28.08	2.75	-7.74	-324.47	LC 1-4
42	RC1	54	0.000	Max N	-166.64	17.06	-1.55	1.11	0.84	38.74	CO 13
				Min N	-207.31	14.43	-4.01	1.15	5.02	19.76	CO 4
				Max V _y	-195.34	20.10	-2.20	1.33	1.50	42.80	CO 9
				Min V _y	-178.61	11.39	-3.36	0.93	4.36	15.71	CO 8
				Max V _z	-166.64	17.06	-1.55	1.11	0.84	38.74	CO 13
				Min V _z	-207.31	14.43	-4.01	1.15	5.02	19.76	CO 4
				Max M _T	-195.34	20.10	-2.20	1.33	1.50	42.80	CO 9
				Min M _T	-178.61	11.39	-3.36	0.93	4.36	15.71	CO 8
				Max M _y	-196.26	16.09	-4.01	1.18	5.36	29.92	CO 10
				Min M _y	-177.69	15.39	-1.55	1.08	0.50	28.59	CO 7

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
42	RC1	55	3.650	Max M _z	-195.34	20.10	-2.20	1.33	1.50	42.80	CO 9
				Min M _z	-178.61	11.39	-3.36	0.93	4.36	15.71	CO 8
				Max N	-123.15	17.06	-1.54	1.11	-4.80	-23.53	CO 13
				Min N	-163.82	14.42	-3.99	1.15	-9.61	-32.90	CO 4
				Max V _y	-151.85	20.10	-2.18	1.33	-6.51	-30.58	CO 9
				Min V _y	-135.12	11.38	-3.35	0.93	-7.91	-25.85	CO 8
				Max V _z	-134.20	15.39	-1.54	1.08	-5.15	-27.61	CO 7
				Min V _z	-152.77	16.09	-3.99	1.18	-9.27	-28.82	CO 10
				Max M _T	-151.85	20.10	-2.18	1.33	-6.51	-30.58	CO 9
				Min M _T	-135.12	11.38	-3.35	0.93	-7.91	-25.85	CO 8
		54	0.000	Max M _y	-123.15	17.06	-1.54	1.11	-4.80	-23.53	CO 13
				Min M _y	-163.82	14.42	-3.99	1.15	-9.61	-32.90	CO 4
				Max M _z	-124.06	13.05	-3.35	0.96	-7.56	-21.77	CO 14
				Min M _z	-162.91	18.44	-2.18	1.29	-6.86	-34.66	CO 3
				Max N	-121.58	11.79	-1.09	0.79	0.59	26.77	CO 27
				Min N	-151.64	10.14	-2.78	0.83	3.40	13.67	CO 18
				Max V _y	-142.84	14.04	-1.57	0.95	1.08	29.77	CO 23
				Min V _y	-130.38	7.89	-2.30	0.67	2.91	10.67	CO 22
				Max V _z	-121.58	11.79	-1.09	0.79	0.59	26.77	CO 27
				Min V _z	-151.64	10.14	-2.78	0.83	3.40	13.67	CO 18
		55	3.650	Max M _T	-142.84	14.04	-1.57	0.95	1.08	29.77	CO 23
				Min M _T	-130.38	7.89	-2.30	0.67	2.91	10.67	CO 22
				Max M _y	-143.45	11.38	-2.78	0.85	3.65	21.20	CO 24
				Min M _y	-129.77	10.56	-1.09	0.76	0.34	19.25	CO 21
				Max M _z	-142.84	14.04	-1.57	0.95	1.08	29.77	CO 23
				Min M _z	-130.38	7.89	-2.30	0.67	2.91	10.67	CO 22
				Max N	-89.36	11.79	-1.09	0.79	-3.39	-16.27	CO 27
				Min N	-119.42	10.14	-2.77	0.83	-6.74	-23.35	CO 18
				Max V _y	-110.62	14.05	-1.56	0.95	-4.65	-21.50	CO 23
				Min V _y	-98.16	7.89	-2.29	0.66	-5.48	-18.13	CO 22
		54	0.000	Max V _z	-89.36	11.79	-1.09	0.79	-3.39	-16.27	CO 27
				Min V _z	-119.42	10.14	-2.77	0.83	-6.74	-23.35	CO 18
				Max M _T	-110.62	14.05	-1.56	0.95	-4.65	-21.50	CO 23
				Min M _T	-98.16	7.89	-2.29	0.66	-5.48	-18.13	CO 22
				Max M _y	-89.36	11.79	-1.09	0.79	-3.39	-16.27	CO 27
				Min M _y	-119.42	10.14	-2.77	0.83	-6.74	-23.35	CO 18
				Max M _z	-89.97	9.12	-2.29	0.69	-5.22	-15.11	CO 28
				Min M _z	-118.82	12.81	-1.56	0.92	-4.91	-24.52	CO 17
				Max N	-31.05	-92.83	19.89	2.30	-43.98	-333.86	LC 1-4
				Min N	-240.99	104.70	-22.09	-0.99	45.03	346.15	LC 1-5
	RC6	54	0.000	Max V _y	-222.71	118.18	-9.40	0.27	17.51	392.93	LC 1-5
				Min V _y	-49.33	-106.31	7.20	1.04	-16.47	-380.64	LC 1-4
				Max V _z	-65.09	-5.37	30.73	3.02	-67.77	-24.27	LC 1-4
				Min V _z	-206.95	17.24	-32.93	-1.71	68.81	36.56	LC 1-5
				Max M _T	-93.22	-9.82	15.87	4.54	-36.21	-47.63	LC 1-5
				Min M _T	-178.82	21.69	-18.07	-3.23	37.26	59.92	LC 1-4
				Max M _y	-206.83	16.76	-32.92	-1.72	68.83	35.03	LC 1-5
				Min M _y	-65.21	-4.89	30.73	3.03	-67.78	-22.74	LC 1-4
				Max M _z	-222.46	117.94	-9.00	0.29	16.68	393.76	LC 1-5
				Min M _z	-49.58	-106.07	6.80	1.01	-15.63	-381.47	LC 1-4
	55	3.650	3.650	Max N	1.17	-90.88	17.84	2.30	26.33	2.76	LC 1-4
				Min N	-208.78	102.75	-20.04	-0.99	-33.31	-33.80	LC 1-5
				Max V _y	-190.62	115.81	-8.62	0.26	-15.93	-35.59	LC 1-5
				Min V _y	-16.99	-103.95	6.42	1.05	8.95	4.55	LC 1-4
				Max V _z	-32.53	-5.29	27.48	3.01	40.71	-5.10	LC 1-4
				Min V _z	-175.08	17.16	-29.68	-1.70	-47.69	-25.93	LC 1-5
				Max M _T	-61.00	-9.79	13.95	4.54	19.57	-11.83	LC 1-5
				Min M _T	-146.61	21.65	-16.14	-3.23	-26.55	-19.20	LC 1-4
				Max M _y	-32.45	-5.95	27.45	2.99	40.75	-4.74	LC 1-4
				Min M _y	-175.16	17.82	-29.65	-1.69	-47.73	-26.29	LC 1-5
43	RC1	53	0.000	Max M _z	-44.90	-60.24	9.48	1.35	13.86	16.94	LC 1-4
				Min M _z	-162.71	72.11	-11.68	-0.04	-20.84	-47.97	LC 1-5
				Max N	-100.33	-0.72	-0.41	0.01	0.08	-0.05	CO 13
				Min N	-124.16	-0.64	-0.52	0.01	0.10	-0.23	CO 6
				Max V _y	-109.45	-0.58	-0.44	0.01	0.09	-0.20	CO 8
				Min V _y	-114.90	-0.79	-0.49	0.01	0.09	-0.08	CO 9
				Max V _z	-100.33	-0.72	-0.41	0.01	0.08	-0.05	CO 13
				Min V _z	-124.02	-0.64	-0.52	0.01	0.10	-0.23	CO 4
				Max M _T	-124.16	-0.64	-0.52	0.01	0.10	-0.23	CO 6
				Min M _T	-100.33	-0.72	-0.41	0.01	0.08	-0.05	CO 13
		56	3.000	Max M _y	-124.16	-0.64	-0.52	0.01	0.10	-0.23	CO 6
				Min M _y	-100.33	-0.72	-0.41	0.01	0.08	-0.05	CO 13
				Max M _z	-100.33	-0.72	-0.41	0.01	0.08	-0.05	CO 13
				Min M _z	-124.16	-0.64	-0.52	0.01	0.10	-0.23	CO 6
				Max N	-120.48	-21.71	12.52	-0.33	3.34	17.28	CO 13
				Min N	-168.08	2.78	22.85	-0.45	6.15	-5.65	CO 4
				Max V _y	-168.02	2.87	22.99	-0.44	6.19	-5.72	CO 6
				Min V _y	-120.48	-21.71	12.52	-0.33	3.34	17.28	CO 13
				Max V _z	-168.02	2.87	22.99	-0.44	6.19	-5.72	CO 6
				Min V _z	-120.48	-21.71	12.52	-0.33	3.34	17.28	CO 13
		53	0.000	Max M _T	-131.67	-9.83	20.90	-0.29	5.62	6.40	CO 14
				Min M _T	-156.88	-9.11	14.46	-0.49	3.87	5.23	CO 3
				Max M _y	-168.02	2.87	22.99	-0.44	6.19	-5.72	CO 6
				Min M _y	-120.48	-21.71	12.52	-0.33	3.34	17.28	CO 13
				Max M _z	-120.48	-21.71	12.52	-0.33	3.34	17.28	CO 13
				Min M _z	-168.02	2.87	22.99	-0.44	6.19	-5.72	CO 6
				Max N	-73.48	-0.52	-0.30	0.01	0.06	-0.04	CO 27
				Min N	-90.95	-0.47	-0.38	0.01	0.07	-0.17	CO 20
				Max V _y	-80.05	-0.42	-0.32	0.01	0.07	-0.15	CO 22
				Min V _y	-84.28	-0.57	-0.36	0.01	0.07	-0.07	CO 23
	RC2	53	0.000	Max V _z	-73.48	-0.52	-0.30	0.01	0.06	-0.04	CO 27
				Min V _z	-90.85	-0.47	-0.38	0.01	0.07	-0.17	CO 18



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
43	RC2	56	3.000	Max M _T	-90.95	-0.47	-0.38	0.01	0.07	-0.17	CO 20
				Min M _T	-73.48	-0.52	-0.30	0.01	0.06	-0.04	CO 27
				Max M _y	-90.95	-0.47	-0.38	0.01	0.07	-0.17	CO 20
				Min M _y	-73.48	-0.52	-0.30	0.01	0.06	-0.04	CO 27
				Max M _z	-73.48	-0.52	-0.30	0.01	0.06	-0.04	CO 27
				Min M _z	-90.95	-0.47	-0.38	0.01	0.07	-0.17	CO 20
				Max N	-88.30	-14.85	9.03	-0.23	2.41	11.74	CO 27
				Min N	-122.73	2.40	16.05	-0.32	4.32	-4.43	CO 18
				Max V _y	-122.68	2.47	16.16	-0.32	4.35	-4.49	CO 20
				Min V _y	-88.30	-14.85	9.03	-0.23	2.41	11.74	CO 27
				Max V _z	-122.68	2.47	16.16	-0.32	4.35	-4.49	CO 20
				Min V _z	-88.30	-14.85	9.03	-0.23	2.41	11.74	CO 27
				Max M _T	-95.75	-6.94	14.61	-0.20	3.93	4.49	CO 28
				Min M _T	-115.27	-5.52	10.47	-0.35	2.80	2.82	CO 17
				Max M _y	-122.68	2.47	16.16	-0.32	4.35	-4.49	CO 20
				Min M _y	-88.30	-14.85	9.03	-0.23	2.41	11.74	CO 27
				Max M _z	-88.30	-14.85	9.03	-0.23	2.41	11.74	CO 27
				Min M _z	-122.68	2.47	16.16	-0.32	4.35	-4.49	CO 20
	RC6	53	0.000	Max N	-41.73	-1.30	-0.12	0.00	0.03	0.67	LC 1-4
				Min N	-124.22	0.48	-0.63	0.01	0.10	-1.00	LC 1-5
				Max V _y	-96.43	2.48	-0.48	0.02	0.07	-2.21	LC 1-4
				Min V _y	-69.52	-3.30	-0.27	-0.00	0.06	1.87	LC 1-5
				Max V _z	-41.75	-1.35	-0.12	0.00	0.03	0.70	LC 1-4
				Min V _z	-124.20	0.53	-0.63	0.01	0.10	-1.04	LC 1-5
				Max M _T	-98.20	2.46	-0.47	0.02	0.07	-2.20	LC 1-5
				Min M _T	-67.75	-3.28	-0.27	-0.00	0.06	1.87	LC 1-4
				Max M _y	-123.97	0.25	-0.63	0.01	0.10	-0.85	LC 1-5
				Min M _y	-41.99	-1.07	-0.12	0.00	0.03	0.51	LC 1-4
				Max M _z	-64.22	-3.27	-0.25	-0.00	0.05	1.88	LC 1-4
				Min M _z	-101.74	2.45	-0.50	0.02	0.08	-2.22	LC 1-5
		56	3.000	Max N	63.63	-158.20	-112.91	-1.38	-30.69	142.30	LC 1-4
				Min N	-280.46	168.34	130.39	0.93	35.39	-154.96	LC 1-5
				Max V _y	-221.13	370.65	5.65	2.24	1.68	-337.53	LC 1-4
				Min V _y	4.30	-360.50	11.84	-2.68	3.01	324.87	LC 1-5
				Max V _z	-244.20	3.91	147.69	-0.20	40.00	-6.04	LC 1-5
				Min V _z	27.37	6.23	-130.21	-0.24	-35.30	-6.61	LC 1-4
				Max M _T	-203.67	310.08	7.13	2.73	2.09	-282.51	LC 1-4
				Min M _T	-13.16	-299.93	10.36	-3.17	2.61	269.85	LC 1-5
				Max M _y	-244.57	5.07	147.69	-0.19	40.00	-7.09	LC 1-5
				Min M _y	27.74	5.08	-130.21	-0.25	-35.30	-5.57	LC 1-4
				Max M _z	4.50	-360.50	11.63	-2.68	2.96	324.88	LC 1-5
				Min M _z	-221.33	370.65	5.86	2.24	1.74	-337.53	LC 1-4
44	RC1	56	0.000	Max N	-162.55	-0.58	-2.45	-0.05	2.38	22.91	CO 13
				Min N	-213.19	-10.66	-5.17	-0.34	6.96	-3.35	CO 4
				Max V _y	-162.55	-0.58	-2.45	-0.05	2.38	22.91	CO 13
				Min V _y	-213.19	-10.66	-5.17	-0.34	6.96	-3.35	CO 4
				Max V _z	-162.55	-0.58	-2.45	-0.05	2.38	22.91	CO 13
				Min V _z	-213.00	-10.64	-5.18	-0.33	6.98	-3.44	CO 6
				Max M _T	-170.99	-4.53	-4.55	0.06	6.68	10.31	CO 14
				Min M _T	-204.74	-6.72	-3.07	-0.45	2.66	9.26	CO 3
				Max M _y	-197.57	-6.96	-5.13	-0.08	7.33	8.86	CO 12
				Min M _y	-178.17	-4.28	-2.49	-0.32	2.01	10.71	CO 1
				Max M _z	-162.55	-0.58	-2.45	-0.05	2.38	22.91	CO 13
				Min M _z	-213.00	-10.64	-5.18	-0.33	6.98	-3.44	CO 6
		57	3.650	Max N	-119.06	-0.57	-2.44	-0.05	-6.56	25.02	CO 13
				Min N	-169.70	-10.65	-5.16	-0.34	-11.94	35.55	CO 4
				Max V _y	-119.06	-0.57	-2.44	-0.05	-6.56	25.02	CO 13
				Min V _y	-169.70	-10.65	-5.16	-0.34	-11.94	35.55	CO 4
				Max V _z	-119.06	-0.57	-2.44	-0.05	-6.56	25.02	CO 13
				Min V _z	-169.51	-10.63	-5.16	-0.33	-11.95	35.39	CO 6
				Max M _T	-127.51	-4.52	-4.54	0.06	-9.96	26.81	CO 14
				Min M _T	-161.25	-6.71	-3.05	-0.45	-8.55	33.76	CO 3
				Max M _y	-119.06	-0.57	-2.44	-0.05	-6.56	25.02	CO 13
				Min M _y	-169.51	-10.63	-5.16	-0.33	-11.95	35.39	CO 6
				Max M _z	-169.70	-10.65	-5.16	-0.34	-11.94	35.55	CO 4
				Min M _z	-119.06	-0.57	-2.44	-0.05	-6.56	25.02	CO 13
	RC2	56	0.000	Max N	-118.96	-0.53	-1.75	-0.03	1.71	15.71	CO 27
				Min N	-155.85	-7.70	-3.61	-0.25	4.78	-2.81	CO 18
				Max V _y	-118.96	-0.53	-1.75	-0.03	1.71	15.71	CO 27
				Min V _y	-155.85	-7.70	-3.61	-0.25	4.78	-2.81	CO 18
				Max V _z	-118.96	-0.53	-1.75	-0.03	1.71	15.71	CO 27
				Min V _z	-155.71	-7.69	-3.61	-0.25	4.80	-2.87	CO 20
				Max M _T	-124.58	-3.16	-3.15	0.04	4.58	7.31	CO 28
				Min M _T	-150.22	-5.07	-2.21	-0.33	1.91	5.59	CO 17
				Max M _y	-144.27	-4.96	-3.58	-0.06	5.06	6.23	CO 26
				Min M _y	-130.54	-3.27	-1.78	-0.23	1.43	6.67	CO 15
				Max M _z	-118.96	-0.53	-1.75	-0.03	1.71	15.71	CO 27
				Min M _z	-155.71	-7.69	-3.61	-0.25	4.80	-2.87	CO 20
		57	3.650	Max N	-86.74	-0.53	-1.74	-0.03	-4.66	17.63	CO 27
				Min N	-123.63	-7.70	-3.60	-0.25	-8.39	25.30	CO 18
				Max V _y	-86.74	-0.53	-1.74	-0.03	-4.66	17.63	CO 27
				Min V _y	-123.63	-7.70	-3.60	-0.25	-8.39	25.30	CO 18
				Max V _z	-86.74	-0.53	-1.74	-0.03	-4.66	17.63	CO 27
				Min V _z	-123.49	-7.68	-3.60	-0.24	-8.40	25.18	CO 20
				Max M _T	-92.37	-3.15	-3.14	0.04	-6.92	18.83	CO 28
				Min M _T	-118.00	-5.07	-2.19	-0.33	-6.13	24.10	CO 17
				Max M _y	-86.74	-0.53	-1.74	-0.03	-4.66	17.63	CO 27
				Min M _y	-123.49	-7.68	-3.60	-0.24	-8.40	25.18	CO 20
				Max M _z	-123.63	-7.70	-3.60	-0.25	-8.39	25.30	CO 18
				Min M _z	-86.74	-0.53	-1.74	-0.03	-4.66	17.63	CO 27
44	RC6	56	0.000	Max N	-0.06	36.51	29.55	-3.00	-62.83	149.08	LC 1-4
				Min N	-278.45	-48.89	-32.92	2.46	65.91	-159.73	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
44	RC6	57	3.650	Max V _y	-73.99	▷ 106.16	-2.85	0.02	5.20	380.93	LC 1-4
				Min V _y	-204.52	▷ -118.53	-0.52	-0.55	-2.12	-391.58	LC 1-5
				Max V _z	-17.01	▷ -8.93	▷ 32.88	-3.32	-70.09	-8.04	LC 1-4
				Min V _z	-261.50	▷ -3.44	▷ -36.25	2.78	73.17	-2.61	LC 1-5
				Max M _T	-253.39	-12.00	▷ -33.11	▷ 3.45	66.94	-33.92	LC 1-4
				Min M _T	-25.12	-0.37	▷ 29.74	▷ -3.99	-63.86	23.27	LC 1-5
				Max M _y	-260.96	-2.28	▷ -36.24	2.79	73.19	1.45	LC 1-5
				Min M _y	-17.55	-10.09	▷ 32.88	-3.32	▷ -70.11	-12.09	LC 1-4
				Max M _z	-76.21	105.38	-2.54	-0.03	4.31	382.56	LC 1-5
				Min M _z	-202.30	-117.75	-0.83	-0.51	-1.23	-393.21	LC 1-4
				Max N	32.16	35.61	26.67	-3.00	41.79	16.83	LC 1-4
				Min N	▷ -246.24	▷ -47.98	▷ -30.03	2.46	-50.99	17.68	LC 1-5
				Max V _y	-41.79	▷ 103.79	-2.63	0.01	-4.97	-3.70	LC 1-4
				Min V _y	-172.29	▷ -116.16	-0.73	-0.55	-4.23	38.21	LC 1-5
				Max V _z	15.68	-8.63	▷ 29.56	-3.32	46.15	24.48	LC 1-4
				Min V _z	-229.76	-3.74	▷ -32.93	2.78	-55.35	10.04	LC 1-5
				Max M _T	-221.18	-11.93	▷ -30.14	▷ 3.45	-50.57	9.81	LC 1-4
				Min M _T	7.10	-0.44	▷ 26.77	▷ -3.99	41.37	24.70	LC 1-5
				Max M _y	16.39	-6.96	▷ 29.54	-3.31	46.18	24.26	LC 1-4
				Min M _y	-230.47	-5.41	▷ -32.90	2.77	-55.38	10.25	LC 1-5
				Max M _z	-112.98	-74.28	6.60	-1.08	8.21	50.32	LC 1-5
				Min M _z	-101.10	61.91	-9.97	0.54	-17.41	-15.81	LC 1-4
67	RC1	14	0.000	Max N	▷ -86.66	▷ -26.69	12.04	0.40	-21.67	-53.46	CO 13
				Min N	▷ -109.04	▷ -35.94	14.67	0.24	-27.18	-70.50	CO 4
				Max V _y	▷ -86.66	▷ -26.69	12.04	0.40	-21.67	-53.46	CO 13
				Min V _y	-109.02	▷ -36.00	14.66	0.24	-27.16	-70.66	CO 6
				Max V _z	-99.38	▷ -33.99	▷ 15.64	0.28	-28.56	-72.06	CO 3
				Min V _z	-96.32	▷ -28.63	▷ 11.07	0.36	-20.29	-51.90	CO 14
				Max M _T	-86.66	-26.69	12.04	▷ 0.40	-21.67	-53.46	CO 13
				Min M _T	-109.04	-35.94	14.67	▷ 0.24	-27.18	-70.50	CO 4
				Max M _y	-96.32	-28.63	11.07	▷ 0.36	-20.29	-51.90	CO 14
				Min M _y	-99.38	-33.99	15.64	▷ 0.28	-28.56	-72.06	CO 3
				Max M _z	-96.32	-28.63	11.07	▷ 0.36	-20.29	-51.90	CO 14
				Min M _z	-99.38	-34.06	15.64	▷ 0.28	-28.55	-72.23	CO 5
		71	3.650	Max N	▷ -43.17	▷ -26.69	12.05	0.39	22.34	43.95	CO 13
				Min N	▷ -65.55	▷ -35.94	14.68	0.21	26.45	60.69	CO 4
				Max V _y	▷ -43.17	▷ -26.69	12.05	0.39	22.34	43.95	CO 13
				Min V _y	-65.53	▷ -36.00	14.67	0.21	26.44	60.76	CO 6
				Max V _z	-55.89	▷ -34.00	▷ 15.65	0.26	28.61	52.04	CO 3
				Min V _z	-52.83	▷ -28.63	▷ 11.08	0.34	20.18	52.60	CO 14
				Max M _T	-43.17	-26.69	12.05	▷ 0.39	22.34	43.95	CO 13
				Min M _T	-65.55	-35.94	14.68	▷ 0.21	26.45	60.69	CO 4
				Max M _y	-55.89	-34.00	15.65	▷ 0.26	28.61	52.04	CO 3
				Min M _y	-52.83	-28.63	11.08	▷ 0.34	20.18	52.60	CO 14
				Max M _z	-59.05	-34.15	13.62	▷ 0.27	25.09	61.71	CO 8
				Min M _z	-49.67	-28.48	13.11	▷ 0.33	23.70	42.93	CO 9
	RC2	14	0.000	Max N	▷ -63.04	▷ -19.31	8.61	0.28	-15.39	-37.69	CO 27
				Min N	▷ -78.90	▷ -26.02	10.63	0.16	-19.57	-50.42	CO 18
				Max V _y	▷ -63.04	▷ -19.31	8.61	0.28	-15.39	-37.69	CO 27
				Min V _y	-78.88	▷ -26.06	10.62	0.16	-19.56	-50.55	CO 20
				Max V _z	-72.46	▷ -24.72	▷ 11.28	0.18	-20.49	-51.47	CO 17
				Min V _z	-69.48	▷ -20.60	▷ 7.96	0.25	-14.47	-36.65	CO 28
				Max M _T	-63.04	-19.31	8.61	▷ 0.28	-15.39	-37.69	CO 27
				Min M _T	-78.90	-26.02	10.63	▷ 0.16	-19.57	-50.42	CO 18
				Max M _y	-69.48	-20.60	7.96	▷ 0.25	-14.47	-36.65	CO 28
				Min M _y	-72.46	-24.72	11.28	▷ 0.18	-20.49	-51.47	CO 17
				Max M _z	-69.48	-20.60	7.96	▷ 0.25	-14.47	-36.65	CO 28
				Min M _z	-72.44	-24.77	11.27	▷ 0.18	-20.48	-51.59	CO 19
		71	3.650	Max N	▷ -30.82	▷ -19.31	8.61	0.27	16.06	32.80	CO 27
				Min N	▷ -46.68	▷ -26.02	10.63	0.14	19.27	44.54	CO 18
				Max V _y	▷ -30.82	▷ -19.31	8.61	0.27	16.06	32.80	CO 27
				Min V _y	-46.67	▷ -26.06	10.63	0.14	19.26	44.59	CO 20
				Max V _z	-40.24	▷ -24.72	▷ 11.28	0.17	20.71	38.78	CO 17
				Min V _z	-37.26	▷ -20.60	▷ 7.97	0.24	14.62	38.56	CO 28
				Max M _T	-30.82	-19.31	8.61	▷ 0.27	16.06	32.80	CO 27
				Min M _T	-46.68	-26.02	10.63	▷ 0.14	19.27	44.54	CO 18
				Max M _y	-40.24	-24.72	11.28	▷ 0.17	20.71	38.78	CO 17
				Min M _y	-37.26	-20.60	7.97	▷ 0.24	14.62	38.56	CO 28
				Max M _z	-41.87	-24.69	9.85	▷ 0.18	18.26	45.30	CO 22
				Min M _z	-35.64	-20.64	9.40	▷ 0.23	17.07	32.04	CO 23
	RC6	14	0.000	Max N	▷ -50.62	▷ 3.51	12.74	-1.39	-20.40	-0.46	LC 1-4
				Min N	▷ -78.40	▷ -45.98	4.73	1.44	-10.06	-73.55	LC 1-5
				Max V _y	-55.99	▷ 62.47	16.39	-4.44	-29.77	98.56	LC 1-4
				Min V _y	-73.03	▷ -104.94	1.08	4.48	-0.69	-172.57	LC 1-5
				Max V _z	-64.05	8.42	▷ 32.21	-2.25	-52.24	13.05	LC 1-5
				Min V _z	-64.97	-50.89	▷ -14.73	2.30	21.77	-87.05	LC 1-4
				Max M _T	-72.76	-95.55	▷ -0.96	▷ 5.05	2.13	-152.64	LC 1-5
				Min M _T	-56.26	53.08	▷ 18.43	▷ -5.00	-32.60	78.64	LC 1-4
				Max M _y	-64.88	-55.08	-14.64	▷ 2.49	21.92	-93.36	LC 1-4
				Min M _y	-64.14	12.61	32.12	▷ -2.44	-52.39	19.35	LC 1-5
				Max M _z	-56.92	61.23	16.64	▷ -4.19	-29.96	100.57	LC 1-4
				Min M _z	-72.10	-103.71	0.84	▷ 4.24	-0.51	-174.57	LC 1-5
		71	3.650	Max N	▷ -18.41	▷ -1.58	9.95	-1.39	20.11	-4.69	LC 1-4
				Min N	▷ -46.19	▷ -40.89	7.53	1.44	13.22	85.71	LC 1-5
				Max V _y	-24.00	▷ 47.73	13.48	-4.36	25.44	-105.10	LC 1-4
				Min V _y	-40.59	▷ -90.20	4.00	4.40	7.88	186.11	LC 1-5
				Max V _z	-32.09	7.98	▷ 20.35	-2.47	45.74	-20.32	LC 1-5
				Min V _z	-32.50	-50.45	▷ -2.88	2.52	-12.42	101.33	LC 1-4
				Max M _T	-40.54	-81.36	▷ 3.41	▷ 5.05	5.60	173.18	LC 1-5
				Min M _T	-24.05	38.89	▷ 14.07	▷ -5.00	27.73	-92.17	LC 1-4
				Max M _y	-32.46	1.80	20.23	▷ -2.16	46.02	-6.23	LC 1-5
				Min M _y	-32.14	-44.27	-2.75	▷ 2.21	-12.70	87.24	LC 1-4

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
67	RC6			Max M _z	-37.40	-88.07	3.47	4.49	7.55	188.37	LC 1-4
				Min M _z	-27.19	45.60	14.01	-4.44	25.77	-107.35	LC 1-5
82	RC1	18	0.000	Max N	-86.05	28.15	6.40	2.14	-17.07	28.40	CO 10
			Left	Min N	-99.99	17.16	13.94	1.96	-25.70	23.71	CO 5
				Max V _y	-96.82	29.51	8.71	2.11	-20.93	28.85	CO 4
				Min V _y	-89.09	14.43	11.29	1.80	-20.94	18.29	CO 13
				Max V _z	-99.99	17.16	13.94	1.96	-25.70	23.71	CO 5
				Min V _z	-86.25	26.76	6.16	1.95	-16.31	23.38	CO 14
				Max M _T	-86.05	28.15	6.40	2.14	-17.07	28.40	CO 10
				Min M _T	-99.86	15.79	13.60	1.77	-24.81	18.74	CO 7
				Max M _y	-86.25	26.76	6.16	1.95	-16.31	23.38	CO 14
				Min M _y	-99.99	17.16	13.94	1.96	-25.70	23.71	CO 5
				Max M _z	-96.82	29.51	8.71	2.11	-20.93	28.85	CO 4
				Min M _z	-89.09	14.43	11.29	1.80	-20.94	18.29	CO 13
			0.000	Max N	-86.05	28.15	6.40	2.14	-17.07	28.40	CO 10
			Right	Min N	-99.99	17.16	13.94	1.96	-25.70	23.70	CO 5
				Max V _y	-96.82	29.51	8.71	2.11	-20.93	28.85	CO 4
				Min V _y	-89.09	14.43	11.29	1.80	-20.94	18.29	CO 13
				Max V _z	-99.99	17.16	13.94	1.96	-25.70	23.70	CO 5
				Min V _z	-86.25	26.76	6.16	1.95	-16.31	23.38	CO 14
				Max M _T	-86.05	28.15	6.40	2.14	-17.07	28.40	CO 10
				Min M _T	-99.86	15.79	13.60	1.77	-24.81	18.74	CO 7
				Max M _y	-86.25	26.76	6.16	1.95	-16.31	23.38	CO 14
				Min M _y	-99.99	17.16	13.94	1.96	-25.70	23.70	CO 5
				Max M _z	-96.82	29.51	8.71	2.11	-20.93	28.85	CO 4
				Min M _z	-89.09	14.43	11.29	1.80	-20.94	18.29	CO 13
			2.511	Max N	-56.13	11.08	11.27	2.14	5.13	-20.85	CO 10
			Left	Min N	-70.08	17.16	13.97	1.96	9.36	-19.37	CO 5
				Max V _y	-69.74	17.19	13.87	1.97	9.24	-19.40	CO 3
				Min V _y	-56.33	9.68	11.03	1.95	5.27	-22.36	CO 14
				Max V _z	-70.08	17.16	13.97	1.96	9.36	-19.37	CO 5
				Min V _z	-56.33	9.68	11.03	1.95	5.27	-22.36	CO 14
				Max M _T	-56.13	11.08	11.27	2.14	5.13	-20.85	CO 10
				Min M _T	-69.94	15.79	13.62	1.77	9.39	-20.91	CO 7
				Max M _y	-69.94	15.79	13.62	1.77	9.39	-20.91	CO 7
				Min M _y	-56.13	11.08	11.27	2.14	5.13	-20.85	CO 10
				Max M _z	-59.30	15.80	11.65	1.99	7.42	-16.41	CO 11
				Min M _z	-66.77	11.07	13.24	1.93	7.09	-25.35	CO 2
			2.511	Max N	-56.13	11.08	11.27	2.14	5.13	-20.85	CO 10
			Right	Min N	-70.08	17.16	13.97	1.96	9.36	-19.37	CO 5
				Max V _y	-69.74	17.19	13.87	1.97	9.24	-19.40	CO 3
				Min V _y	-56.33	9.68	11.03	1.95	5.27	-22.36	CO 14
				Max V _z	-70.08	17.16	13.97	1.96	9.36	-19.37	CO 5
				Min V _z	-56.33	9.68	11.03	1.95	5.27	-22.36	CO 14
				Max M _T	-56.13	11.08	11.27	2.14	5.13	-20.85	CO 10
				Min M _T	-69.94	15.79	13.62	1.77	9.39	-20.91	CO 7
				Max M _y	-69.94	15.79	13.62	1.77	9.39	-20.91	CO 7
				Min M _y	-56.13	11.08	11.27	2.14	5.13	-20.85	CO 10
				Max M _z	-59.30	15.80	11.65	1.99	7.42	-16.41	CO 11
				Min M _z	-66.77	11.07	13.24	1.93	7.09	-25.35	CO 2
			3.650	Max N	-42.56	3.32	13.59	2.15	19.29	-29.05	CO 10
			Left	Min N	-56.50	17.16	13.95	1.97	25.26	-38.92	CO 5
				Max V _y	-56.17	17.18	13.85	1.97	25.03	-38.98	CO 3
				Min V _y	-42.76	1.93	13.34	1.96	19.16	-28.98	CO 14
				Max V _z	-53.66	4.65	15.99	2.12	24.09	-33.51	CO 6
				Min V _z	-45.60	14.43	11.30	1.81	20.33	-34.39	CO 13
				Max M _T	-42.56	3.32	13.59	2.15	19.29	-29.05	CO 10
				Min M _T	-56.37	15.79	13.61	1.78	24.90	-38.90	CO 7
				Max M _y	-56.50	17.16	13.95	1.97	25.26	-38.92	CO 5
				Min M _y	-42.76	1.93	13.34	1.96	19.16	-28.98	CO 14
				Max M _z	-42.76	1.93	13.34	1.96	19.16	-28.98	CO 14
				Min M _z	-56.17	17.18	13.85	1.97	25.03	-38.98	CO 3
			3.650	Max N	-42.56	3.32	13.59	2.15	19.29	-29.05	CO 10
			Right	Min N	-56.50	17.16	13.95	1.97	25.26	-38.92	CO 5
				Max V _y	-56.17	17.18	13.85	1.97	25.03	-38.98	CO 3
				Min V _y	-42.76	1.93	13.34	1.96	19.16	-28.98	CO 14
				Max V _z	-53.66	4.65	15.99	2.12	24.09	-33.51	CO 6
				Min V _z	-45.60	14.43	11.30	1.81	20.33	-34.39	CO 13
				Max M _T	-42.56	3.32	13.59	2.15	19.29	-29.05	CO 10
				Min M _T	-56.37	15.79	13.61	1.78	24.90	-38.90	CO 7
				Max M _y	-56.50	17.16	13.95	1.97	25.26	-38.92	CO 5
				Min M _y	-42.76	1.93	13.34	1.96	19.16	-28.98	CO 14
				Max M _z	-42.76	1.93	13.34	1.96	19.16	-28.98	CO 14
				Min M _z	-56.17	17.18	13.85	1.97	25.03	-38.98	CO 3
			0.000	Max N	-63.05	19.68	4.79	1.50	-12.32	20.13	CO 24
			Left	Min N	-73.17	12.45	9.99	1.37	-18.36	17.03	CO 19
				Max V _y	-71.03	20.68	6.49	1.48	-15.18	20.46	CO 18
				Min V _y	-65.09	10.43	8.03	1.25	-14.84	13.02	CO 27
				Max V _z	-73.17	12.45	9.99	1.37	-18.36	17.03	CO 19
				Min V _z	-63.20	18.65	4.60	1.35	-11.75	16.42	CO 28
				Max M _T	-63.05	19.68	4.79	1.50	-12.32	20.13	CO 24
				Min M _T	-73.07	11.43	9.74	1.23	-17.70	13.35	CO 21
				Max M _y	-63.20	18.65	4.60	1.35	-11.75	16.42	CO 28
				Min M _y	-73.17	12.45	9.99	1.37	-18.36	17.03	CO 19
				Max M _z	-71.03	20.68	6.49	1.48	-15.18	20.46	CO 18
				Min M _z	-65.09	10.43	8.03	1.25	-14.84	13.02	CO 27
			0.000	Max N	-63.05	19.68	4.79	1.50	-12.32	20.13	CO 24
			Right	Min N	-73.17	12.45	9.99	1.37	-18.36	17.03	CO 19
				Max V _y	-71.03	20.68	6.49	1.48	-15.18	20.46	CO 18
				Min V _y	-65.09	10.43	8.03	1.25	-14.84	13.02	CO 27
				Max V _z	-73.17	12.45	9.99	1.37	-18.36	17.03	CO 19
				Min V _z	-63.20	18.65	4.60	1.35	-11.75	16.42	CO 28

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases					
					N	V _y	V _z	M _T	M _y	M _z						
82	RC2			2.511 Left	Max M _T	-63.05	19.68	4.79	1.50	-12.32	20.13	CO 24				
					Min M _T	-73.07	11.43	9.74	1.23	-17.70	13.35	CO 21				
					Max M _y	-63.20	18.65	4.60	1.35	-11.75	16.42	CO 28				
					Min M _y	-73.17	12.45	9.99	1.37	-18.36	17.03	CO 19				
					Max M _z	-71.03	20.68	6.49	1.48	-15.18	20.46	CO 18				
					Min M _z	-65.09	10.43	8.03	1.25	-14.84	13.02	CO 27				
					Max N	-40.89	8.30	8.03	1.50	3.78	-14.99	CO 24				
					Min N	-51.01	12.45	10.00	1.37	6.75	-14.22	CO 19				
					Max V _y	-50.76	12.47	9.93	1.38	6.66	-14.24	CO 17				
					Min V _y	-41.04	7.26	7.85	1.36	3.89	-16.11	CO 28				
					Max V _z	-51.01	12.45	10.00	1.37	6.75	-14.22	CO 19				
					Min V _z	-41.04	7.26	7.85	1.36	3.89	-16.11	CO 28				
				2.511 Right	Max M _T	-40.89	8.30	8.03	1.50	3.78	-14.99	CO 24				
					Min M _T	-50.91	11.43	9.75	1.23	6.77	-15.36	CO 21				
					Max M _y	-50.91	11.43	9.75	1.23	6.77	-15.36	CO 21				
					Min M _y	-40.89	8.30	8.03	1.50	3.78	-14.99	CO 24				
					Max M _z	-43.03	11.44	8.29	1.39	5.31	-12.02	CO 25				
					Min M _z	-48.77	8.29	9.49	1.34	5.23	-18.32	CO 16				
					Max N	-40.89	8.30	8.03	1.50	3.78	-14.99	CO 24				
					Min N	-51.01	12.45	10.00	1.37	6.75	-14.22	CO 19				
					Max V _y	-50.76	12.47	9.93	1.38	6.66	-14.24	CO 17				
					Min V _y	-41.04	7.26	7.85	1.36	3.89	-16.11	CO 28				
					Max V _z	-51.01	12.45	10.00	1.37	6.75	-14.22	CO 19				
					Min V _z	-41.04	7.26	7.85	1.36	3.89	-16.11	CO 28				
				3.650 Left	Max M _T	-40.89	8.30	8.03	1.50	3.78	-14.99	CO 24				
					Min M _T	-50.91	11.43	9.75	1.23	6.77	-15.36	CO 21				
					Max M _y	-50.91	11.43	9.75	1.23	6.77	-15.36	CO 21				
					Min M _y	-40.89	8.30	8.03	1.50	3.78	-14.99	CO 24				
					Max M _z	-43.03	11.44	8.29	1.39	5.31	-12.02	CO 25				
					Min M _z	-48.77	8.29	9.49	1.34	5.23	-18.32	CO 16				
					Max N	-30.83	3.13	9.57	1.50	13.81	-21.50	CO 24				
					Min N	-40.95	12.45	10.00	1.38	18.14	-28.40	CO 19				
					Max V _y	-40.70	12.47	9.92	1.38	17.97	-28.44	CO 17				
					Min V _y	-30.98	2.09	9.39	1.36	13.71	-21.44	CO 28				
					Max V _z	-39.06	4.11	11.36	1.48	17.36	-24.80	CO 20				
					Min V _z	-32.87	10.43	8.03	1.26	14.49	-25.04	CO 27				
				3.650 Right	Max M _T	-30.83	3.13	9.57	1.50	13.81	-21.50	CO 24				
					Min M _T	-40.85	11.43	9.74	1.24	17.87	-28.38	CO 21				
					Max M _y	-40.95	12.45	10.00	1.38	18.14	-28.40	CO 19				
					Min M _y	-30.98	2.09	9.39	1.36	13.71	-21.44	CO 28				
					Max M _z	-30.98	2.09	9.39	1.36	13.71	-21.44	CO 28				
					Min M _z	-40.70	12.47	9.92	1.38	17.97	-28.44	CO 17				
					Max N	-30.83	3.13	9.57	1.50	13.81	-21.50	CO 24				
					Min N	-40.95	12.45	10.00	1.38	18.14	-28.40	CO 19				
					Max V _y	-40.70	12.47	9.92	1.38	17.97	-28.44	CO 17				
					Min V _y	-30.98	2.09	9.39	1.36	13.71	-21.44	CO 28				
					Max V _z	-39.06	4.11	11.36	1.48	17.36	-24.80	CO 20				
					Min V _z	-32.87	10.43	8.03	1.26	14.49	-25.04	CO 27				
				85	RC6	18	0.000	74	Max M _T	-30.83	3.13	9.57	1.50	13.81	-21.50	CO 24
									Min M _T	-40.85	11.43	9.74	1.24	17.87	-28.38	CO 21
									Max M _y	-40.95	12.45	10.00	1.38	18.14	-28.40	CO 19
									Min M _y	-30.98	2.09	9.39	1.36	13.71	-21.44	CO 28
									Max M _z	-30.98	2.09	9.39	1.36	13.71	-21.44	CO 28
									Min M _z	-40.70	12.47	9.92	1.38	17.97	-28.44	CO 17
74	Max N	-30.83	3.13					9.57	1.50	13.81	-21.50	CO 24				
	Min N	-40.95	12.45					10.00	1.38	18.14	-28.40	CO 19				
	Max V _y	-40.70	12.47					9.92	1.38	17.97	-28.44	CO 17				
	Min V _y	-30.98	2.09					9.39	1.36	13.71	-21.44	CO 28				
	Max V _z	-39.06	4.11					11.36	1.48	17.36	-24.80	CO 20				
	Min V _z	-32.87	10.43					8.03	1.26	14.49	-25.04	CO 27				
3.650	Max M _T	-30.83	3.13					9.57	1.50	13.81	-21.50	CO 24				
	Min M _T	-40.85	11.43					9.74	1.24	17.87	-28.38	CO 21				
	Max M _y	-40.95	12.45					10.00	1.38	18.14	-28.40	CO 19				
	Min M _y	-30.98	2.09					9.39	1.36	13.71	-21.44	CO 28				
	Max M _z	-30.98	2.09					9.39	1.36	13.71	-21.44	CO 28				
	Min M _z	-40.70	12.47					9.92	1.38	17.97	-28.44	CO 17				
78	Max N	3.45	-26.66					-24.92	3.43	37.67	-44.22	LC 1-4				
	Min N	-135.88	47.02					39.61	-1.84	-63.96	69.74	LC 1-5				
	Max V _y	-109.78	86.05					8.08	-5.37	-12.75	140.67	LC 1-5				
	Min V _y	-22.65	-65.69					6.62	6.96	-13.54	-115.15	LC 1-4				
	Max V _z	-123.64	14.24					43.90	0.99	-71.50	15.29	LC 1-5				
	Min V _z	-8.79	6.11					-29.20	0.60	45.21	10.23	LC 1-4				
	Max M _T	-27.29	-61.09					8.67	7.62	-17.16	-101.27	LC 1-5				
	Min M _T	-105.14	81.44					6.03	-6.03	-9.13	126.79	LC 1-4				
	Max M _y	-9.58	7.52					-29.17	0.47	45.25	12.46	LC 1-4				
	Min M _y	-122.85	12.83					43.87	1.12	-71.54	13.06	LC 1-5				
	Max M _z	-107.39	84.72					7.53	-4.98	-11.99	142.95	LC 1-5				
	Min M _z	-25.04	-64.37					7.17	6.56	-14.30	-117.43	LC 1-4				
78	Max N	35.66	-18.87	-15.34	3.43	-37.90	40.61	LC 1-4								
	Min N	-103.66	39.22	30.04	-1.84	65.25	-89.38	LC 1-5								
	Max V _y	-77.03	71.44	8.03	-5.25	16.53	-148.91	LC 1-5								
	Min V _y	9.02	-51.09	6.67	6.84	10.82	100.15	LC 1-4								
	Max V _z	-91.59	13.08	32.93	0.98	71.07	-34.88	LC 1-5								
	Min V _z	23.59	7.27	-18.23	0.61	-43.72	-13.89	LC 1-4								
	Max M _T	4.92	-46.22	8.30	7.62	13.94	97.74	LC 1-5								
	Min M _T	-72.93	66.58	6.40	-6.03	13.41	-146.50	LC 1-4								
	Max M _y	-92.44	14.33	32.92	0.84	71.09	-37.53	LC 1-5								
	Min M _y	24.44	6.03	-18.22	0.75	-43.74	-11.23	LC 1-4								
	Max M _z	9.03	-49.82	7.11	7.36	11.24	102.66	LC 1-5								
	Min M _z	-77.03	70.17	7.59	-5.78	16.11	-151.42	LC 1-4								
85	RC1	33	0.000	78	Max N	-75.23	-5.63	-27.28	1.39	38.31	-23.29	CO 14				
					Min N	-85.62	1.12	-18.74	1.42	36.96	-18.41	CO 5				
					Max V _y	-85.62	1.12	-18.74	1.42	36.96	-18.41	CO 5				
					Min V _y	-75.23	-5.63	-27.28	1.39	38.31	-23.29	CO 14				
					Max V _z	-78.86	-2.31	-16.42	1.37	32.77	-23.51	CO 13				
					Min V _z	-81.99	-2.21	-29.60	1.44	42.50	-18.19	CO 6				
					Max M _T	-81.87	-2.23	-29.49	1.45	42.32	-18.23	CO 4				
					Min M _T	-78.86	-2.31	-16.42	1.37	32.77	-23.51	CO 13				
					Max M _y	-81.99	-2.21	-29.60	1.44	42.50	-18.19	CO 6				
					Min M _y	-78.86	-2.31	-16.42	1.37	32.77	-23.51	CO 13				
					Max M _z	-81.99	-2.21	-29.60	1.44	42.50	-18.19	CO 6				
					Min M _z	-78.86	-2.31	-16.42	1.37	32.77	-23.51	CO 13				
78	Max N	-31.73	-0.74	-5.07	1.40	-20.77	-11.65	CO 14								
	Min N	-42.13	1.11	-18.76	1.42	-31.54	-22.48	CO 5								

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
85	RC1			Max V _y	-38.49	2.68	-7.39	1.44	-25.06	-19.06	CO 6
				Min V _y	-35.36	-2.31	-16.44	1.37	-27.25	-15.07	CO 13
				Max V _z	-31.73	-0.74	-5.07	1.40	-20.77	-11.65	CO 14
				Min V _z	-42.13	1.11	-18.76	1.42	-31.54	-22.48	CO 5
				Max M _T	-38.38	2.66	-7.28	1.45	-24.86	-19.00	CO 4
				Min M _T	-35.36	-2.31	-16.44	1.37	-27.25	-15.07	CO 13
				Max M _y	-31.73	-0.74	-5.07	1.40	-20.77	-11.65	CO 14
				Min M _y	-42.13	1.11	-18.76	1.42	-31.54	-22.48	CO 5
				Max M _z	-31.73	-0.74	-5.07	1.40	-20.77	-11.65	CO 14
				Min M _z	-42.13	1.11	-18.76	1.42	-31.54	-22.48	CO 5
	RC2	33	0.000	Max N	-55.25	-3.76	-18.84	0.99	26.77	-16.31	CO 28
				Min N	-62.67	0.99	-13.32	1.02	26.18	-12.68	CO 19
				Max V _y	-62.67	0.99	-13.32	1.02	26.18	-12.68	CO 19
				Min V _y	-55.25	-3.76	-18.84	0.99	26.77	-16.31	CO 28
				Max V _z	-57.67	-1.54	-11.60	0.98	23.07	-16.45	CO 27
				Min V _z	-60.26	-1.22	-20.56	1.03	29.87	-12.53	CO 20
				Max M _T	-60.17	-1.24	-20.48	1.04	29.73	-12.56	CO 18
				Min M _T	-57.67	-1.54	-11.60	0.98	23.07	-16.45	CO 27
				Max M _y	-60.26	-1.22	-20.56	1.03	29.87	-12.53	CO 20
				Min M _y	-57.67	-1.54	-11.60	0.98	23.07	-16.45	CO 27
				Max M _z	-60.26	-1.22	-20.56	1.03	29.87	-12.53	CO 20
				Min M _z	-57.67	-1.54	-11.60	0.98	23.07	-16.45	CO 27
		78	3.650	Max N	-23.03	-0.50	-4.03	1.00	-14.99	-8.53	CO 28
				Min N	-30.46	0.99	-13.33	1.02	-22.49	-16.29	CO 19
				Max V _y	-28.04	2.03	-5.75	1.03	-18.17	-14.01	CO 20
				Min V _y	-25.45	-1.55	-11.61	0.98	-19.31	-10.81	CO 27
				Max V _z	-23.03	-0.50	-4.03	1.00	-14.99	-8.53	CO 28
				Min V _z	-30.46	0.99	-13.33	1.02	-22.49	-16.29	CO 19
				Max M _T	-27.95	2.02	-5.67	1.04	-18.02	-13.98	CO 18
				Min M _T	-25.45	-1.55	-11.61	0.98	-19.31	-10.81	CO 27
				Max M _y	-23.03	-0.50	-4.03	1.00	-14.99	-8.53	CO 28
				Min M _y	-30.46	0.99	-13.33	1.02	-22.49	-16.29	CO 19
				Max M _z	-23.03	-0.50	-4.03	1.00	-14.99	-8.53	CO 28
				Min M _z	-30.46	0.99	-13.33	1.02	-22.49	-16.29	CO 19
	RC6	33	0.000	Max N	-10.22	-38.39	-0.10	0.07	3.26	-53.78	LC 1-4
				Min N	-103.80	42.89	-17.63	1.44	30.31	43.21	LC 1-5
				Max V _y	-99.88	46.49	-9.20	2.30	15.88	53.80	LC 1-4
				Min V _y	-14.14	-41.99	-8.53	-0.80	17.69	-64.37	LC 1-5
				Max V _z	-50.40	16.66	29.56	6.71	-45.33	12.92	LC 1-4
				Min V _z	-63.62	-12.16	-47.29	-5.21	78.89	-23.49	LC 1-5
				Max M _T	-62.85	25.91	25.33	7.30	-37.89	23.28	LC 1-5
				Min M _T	-51.17	-21.41	-43.06	-5.80	71.45	-33.85	LC 1-4
				Max M _y	-63.37	-12.59	-47.26	-5.21	78.94	-24.47	LC 1-5
				Min M _y	-50.65	17.09	29.53	6.71	-45.38	13.89	LC 1-4
				Max M _z	-93.84	43.51	-9.27	2.04	15.99	57.99	LC 1-4
				Min M _z	-20.17	-39.01	-8.45	-0.53	17.57	-68.56	LC 1-5
89		78	3.650	Max N	21.99	-28.20	-2.16	0.07	-0.42	69.88	LC 1-4
				Min N	-71.58	32.70	-15.57	1.44	-30.72	-96.88	LC 1-5
				Max V _y	-66.80	36.12	-9.69	2.22	-18.35	-97.42	LC 1-4
				Min V _y	17.21	-31.62	-8.04	-0.72	-12.79	70.42	LC 1-5
				Max V _z	-17.42	11.79	15.91	6.63	40.88	-39.18	LC 1-4
				Min V _z	-32.17	-7.29	-33.63	-5.13	-72.02	12.18	LC 1-5
				Max M _T	-30.64	18.86	12.43	7.30	34.12	-59.86	LC 1-5
				Min M _T	-18.95	-14.36	-30.15	-5.80	-65.25	32.86	LC 1-4
				Max M _y	-17.42	11.75	15.90	6.66	40.89	-39.17	LC 1-4
				Min M _y	-32.17	-7.25	-33.63	-5.15	-72.03	12.17	LC 1-5
				Max M _z	20.47	-29.83	-6.88	-0.96	-11.24	74.48	LC 1-4
				Min M _z	-70.06	34.33	-10.84	2.46	-19.90	-101.48	LC 1-5
	RC1	45	0.000	Max N	-87.71	13.54	-10.80	0.55	19.97	21.91	CO 14
				Min N	-97.02	16.17	-13.46	0.54	25.56	24.28	CO 5
				Max V _y	-97.02	16.17	-13.46	0.54	25.56	24.28	CO 5
				Min V _y	-87.71	13.54	-10.80	0.55	19.97	21.91	CO 14
				Max V _z	-88.46	14.54	-10.06	0.51	18.91	23.16	CO 13
				Min V _z	-96.27	15.17	-14.19	0.58	26.62	23.03	CO 6
				Max M _T	-95.77	14.27	-12.83	0.61	22.89	20.20	CO 8
				Min M _T	-88.83	15.34	-11.38	0.47	22.55	25.90	CO 9
				Max M _y	-96.27	15.17	-14.19	0.58	26.62	23.03	CO 6
				Min M _y	-88.46	14.54	-10.06	0.51	18.91	23.16	CO 13
				Max M _z	-88.96	15.43	-11.43	0.48	22.65	25.99	CO 11
				Min M _z	-95.64	14.18	-12.78	0.61	22.79	20.11	CO 2
		86	3.650	Max N	-44.22	13.54	-10.81	0.54	-19.49	-27.50	CO 14
				Min N	-53.53	16.17	-13.47	0.52	-23.63	-34.73	CO 5
				Max V _y	-53.53	16.17	-13.47	0.52	-23.63	-34.73	CO 5
				Min V _y	-44.22	13.54	-10.81	0.54	-19.49	-27.50	CO 14
				Max V _z	-44.97	14.53	-10.07	0.50	-17.87	-29.90	CO 13
				Min V _z	-52.78	15.17	-14.20	0.57	-25.25	-32.33	CO 6
				Max M _T	-52.28	14.27	-12.84	0.60	-24.00	-31.88	CO 8
				Min M _T	-45.34	15.34	-11.39	0.46	-19.04	-30.11	CO 9
				Max M _y	-44.97	14.53	-10.07	0.50	-17.87	-29.90	CO 13
				Min M _y	-52.78	15.17	-14.20	0.57	-25.25	-32.33	CO 6
				Max M _z	-44.22	13.54	-10.81	0.54	-19.49	-27.50	CO 14
				Min M _z	-53.53	16.17	-13.47	0.52	-23.63	-34.73	CO 5
	RC2	45	0.000	Max N	-64.38	9.73	-7.72	0.39	14.17	15.74	CO 28
				Min N	-71.22	11.60	-9.74	0.39	18.39	17.40	CO 19
				Max V _y	-71.22	11.60	-9.74	0.39	18.39	17.40	CO 19
				Min V _y	-64.38	9.73	-7.72	0.39	14.17	15.74	CO 28
				Max V _z	-64.88	10.40	-7.23	0.36	13.46	16.57	CO 27
				Min V _z	-70.73	10.94	-10.23	0.41	19.09	16.57	CO 20
				Max M _T	-70.35	10.27	-9.22	0.44	16.33	14.48	CO 22
				Min M _T	-65.16	10.99	-8.20	0.34	16.15	18.60	CO 23
				Max M _y	-70.73	10.94	-10.23	0.41	19.09	16.57	CO 20
				Min M _y	-64.88	10.40	-7.23	0.36	13.46	16.57	CO 27



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
89	RC2	86	3.650	Max M _z	-65.25	11.06	-8.24	0.34	16.23	18.67	CO 25
				Min M _z	-70.26	10.20	-9.19	0.44	16.25	14.41	CO 16
				Max N	-32.17	9.73	-7.72	0.39	-14.03	-19.77	CO 28
				Min N	-39.01	11.60	-9.75	0.38	-17.21	-24.94	CO 19
				Max V _y	-39.01	11.60	-9.75	0.38	-17.21	-24.94	CO 19
				Min V _y	-32.17	9.73	-7.72	0.39	-14.03	-19.77	CO 28
				Max V _z	-32.67	10.39	-7.23	0.36	-12.95	-21.37	CO 27
				Min V _z	-38.51	10.94	-10.24	0.41	-18.30	-23.35	CO 20
				Max M _T	-38.14	10.27	-9.23	0.43	-17.37	-23.01	CO 22
				Min M _T	-32.94	10.99	-8.21	0.33	-13.82	-21.53	CO 23
				Max M _y	-32.67	10.39	-7.23	0.36	-12.95	-21.37	CO 27
				Min M _y	-38.51	10.94	-10.24	0.41	-18.30	-23.35	CO 20
		45	0.000	Max M _z	-32.17	9.73	-7.72	0.39	-14.03	-19.77	CO 28
				Min M _z	-39.01	11.60	-9.75	0.38	-17.21	-24.94	CO 19
				Max N	-11.86	-45.80	10.39	2.12	-12.29	-77.70	LC 1-4
				Min N	-120.15	62.92	-26.27	-1.52	40.53	103.16	LC 1-5
				Max V _y	-118.53	64.79	-20.95	-1.63	33.30	107.84	LC 1-5
				Min V _y	-13.48	-47.67	5.08	2.23	-5.06	-82.38	LC 1-4
				Max V _z	-47.58	1.83	17.57	-0.19	-21.69	1.88	LC 1-4
				Min V _z	-84.43	15.30	-33.44	0.79	49.92	23.58	LC 1-5
				Max M _T	-32.91	-25.88	1.92	3.41	0.42	-46.38	LC 1-5
				Min M _T	-99.10	43.00	-17.79	-2.81	27.81	71.84	LC 1-4
				Max M _y	-84.68	15.70	-33.40	0.78	49.98	24.51	LC 1-5
				Min M _y	-47.33	1.42	17.53	-0.18	-21.75	0.95	LC 1-4
		86	3.650	Max M _z	-117.01	64.09	-20.47	-1.63	32.80	109.04	LC 1-5
				Min M _z	-15.00	-46.97	4.60	2.23	-4.57	-83.58	LC 1-4
				Max N	20.35	-36.20	3.59	2.12	14.70	74.20	LC 1-4
				Min N	-87.93	53.32	-19.46	-1.52	-44.40	-111.23	LC 1-5
				Max V _y	-86.12	55.01	-16.68	-1.67	-36.52	-112.51	LC 1-5
				Min V _y	18.54	-37.89	0.80	2.27	6.82	75.48	LC 1-4
				Max V _z	-14.25	1.46	6.58	-0.21	24.60	-3.75	LC 1-4
				Min V _z	-53.33	15.66	-22.45	0.81	-54.30	-33.29	LC 1-5
				Max M _T	-0.70	-20.52	-2.47	3.41	0.52	39.67	LC 1-5
				Min M _T	-66.88	37.65	-13.41	-2.81	-30.22	-76.71	LC 1-4
				Max M _y	-14.85	2.12	6.56	-0.20	24.65	-5.02	LC 1-4
				Min M _y	-52.73	15.00	-22.43	0.80	-54.35	-32.01	LC 1-5
92	RC1	55	0.000	Max M _z	19.13	-37.32	0.88	2.23	7.08	76.64	LC 1-4
				Min M _z	-86.71	54.45	-16.75	-1.63	-36.78	-113.67	LC 1-5
				Max N	-72.69	17.99	-4.89	-0.07	8.63	33.44	CO 13
				Min N	-79.76	19.31	-7.35	-0.20	12.99	36.47	CO 6
				Max V _y	-79.64	20.16	-6.44	-0.25	11.61	37.53	CO 5
				Min V _y	-72.81	17.13	-5.80	-0.01	10.02	32.38	CO 14
				Max V _z	-72.69	17.99	-4.89	-0.07	8.63	33.44	CO 13
				Min V _z	-79.76	19.31	-7.35	-0.20	12.99	36.47	CO 6
				Max M _T	-72.81	17.13	-5.80	-0.01	10.02	32.38	CO 14
				Min M _T	-79.60	20.16	-6.42	-0.26	11.66	37.48	CO 3
				Max M _y	-79.72	19.30	-7.34	-0.21	13.04	36.42	CO 4
				Min M _y	-72.69	17.99	-4.89	-0.07	8.63	33.44	CO 13
		92	3.650	Max M _z	-73.16	19.44	-5.50	-0.21	10.27	38.14	CO 11
				Min M _z	-79.25	17.85	-6.72	-0.07	11.41	31.71	CO 2
				Max N	-29.20	17.98	-4.89	-0.07	-9.23	-32.21	CO 13
				Min N	-36.27	19.31	-7.35	-0.21	-13.87	-34.00	CO 6
				Max V _y	-36.15	20.16	-6.44	-0.26	-11.92	-36.07	CO 5
				Min V _y	-29.32	17.13	-5.80	-0.02	-11.17	-30.14	CO 14
				Max V _z	-29.20	17.98	-4.89	-0.07	-9.23	-32.21	CO 13
				Min V _z	-36.27	19.31	-7.35	-0.21	-13.87	-34.00	CO 6
				Max M _T	-29.32	17.13	-5.80	-0.02	-11.17	-30.14	CO 14
				Min M _T	-36.11	20.16	-6.43	-0.27	-11.82	-36.10	CO 3
				Max M _y	-29.20	17.98	-4.89	-0.07	-9.23	-32.21	CO 13
				Min M _y	-36.27	19.31	-7.35	-0.21	-13.87	-34.00	CO 6
	RC2	55	0.000	Max M _z	-29.32	17.13	-5.80	-0.02	-11.17	-30.14	CO 14
				Min M _z	-36.11	20.16	-6.43	-0.27	-11.82	-36.10	CO 3
				Max N	-53.61	12.91	-3.51	-0.03	6.17	23.70	CO 27
				Min N	-58.84	13.95	-5.27	-0.14	9.30	26.02	CO 20
				Max V _y	-58.76	14.53	-4.66	-0.17	8.38	26.73	CO 19
				Min V _y	-53.69	12.34	-4.12	0.00	7.09	22.99	CO 28
				Max V _z	-53.61	12.91	-3.51	-0.03	6.17	23.70	CO 27
				Min V _z	-58.84	13.95	-5.27	-0.14	9.30	26.02	CO 20
				Max M _T	-53.69	12.34	-4.12	0.00	7.09	22.99	CO 28
				Min M _T	-58.73	14.52	-4.65	-0.18	8.41	26.69	CO 17
				Max M _y	-58.81	13.95	-5.26	-0.14	9.33	25.98	CO 18
				Min M _y	-53.61	12.91	-3.51	-0.03	6.17	23.70	CO 27
		92	3.650	Max M _z	-53.95	13.98	-3.97	-0.14	7.38	27.18	CO 25
				Min M _z	-58.46	12.87	-4.80	-0.04	8.12	22.50	CO 16
				Max N	-21.39	12.91	-3.51	-0.04	-6.66	-23.43	CO 27
				Min N	-26.62	13.95	-5.27	-0.14	-9.95	-24.91	CO 20
				Max V _y	-26.54	14.53	-4.67	-0.18	-8.66	-26.29	CO 19
				Min V _y	-21.48	12.34	-4.12	0.00	-7.95	-22.05	CO 28
				Max V _z	-21.39	12.91	-3.51	-0.04	-6.66	-23.43	CO 27
				Min V _z	-26.62	13.95	-5.27	-0.14	-9.95	-24.91	CO 20
				Max M _T	-21.48	12.34	-4.12	0.00	-7.95	-22.05	CO 28
				Min M _T	-26.51	14.52	-4.65	-0.18	-8.58	-26.31	CO 17
				Max M _y	-21.39	12.91	-3.51	-0.04	-6.66	-23.43	CO 27
				Min M _y	-26.62	13.95	-5.27	-0.14	-9.95	-24.91	CO 20
RC6	55	0.000	0.000	Max M _z	-21.48	12.34	-4.12	0.00	-7.95	-22.05	CO 28
				Min M _z	-26.51	14.52	-4.65	-0.18	-8.58	-26.31	CO 17
				Max N	-15.73	-33.93	14.44	1.28	-20.03	-60.29	LC 1-4
				Min N	-98.05	56.45	-22.04	-1.35	33.30	97.09	LC 1-5
				Max V _y	-92.92	61.15	-11.94	-1.75	19.04	106.13	LC 1-5
				Min V _y	-20.86	-38.63	4.34	1.68	-5.78	-69.33	LC 1-4
				Max V _z	-32.67	5.82	23.40	-0.82	-32.28	9.06	LC 1-4
				Min V _z	-81.11	16.69	-31.00	0.75	45.55	27.74	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding				
					N	V _y	V _z	M _T	M _y	M _z	Load Cases				
92	RC6	92	3.650	Max M _T	-39.40	-13.93	0.06	3.29	0.72	-28.90	LC 1-4				
				Min M _T	-74.38	36.45	-7.66	-3.37	12.55	65.70	LC 1-5				
				Max M _y	-81.29	17.05	-30.97	0.74	45.59	28.52	LC 1-5				
				Min M _y	-32.50	5.47	23.36	-0.81	-32.33	8.29	LC 1-4				
				Max M _z	-92.28	60.77	-11.77	-1.84	18.88	106.81	LC 1-5				
				Min M _z	-21.50	-38.25	4.17	1.77	-5.61	-70.01	LC 1-4				
				Max N	16.49	-26.00	7.64	1.28	21.72	50.95	LC 1-4				
				Min N	-65.84	48.52	-15.24	-1.35	-36.21	-96.34	LC 1-5				
				Max V _y	-60.79	52.31	-9.56	-1.86	-20.99	-102.59	LC 1-5				
				Min V _y	11.44	-29.80	1.96	1.78	6.50	57.20	LC 1-4				
				Max V _z	0.05	5.63	12.43	-0.84	35.36	-11.67	LC 1-4				
				Min V _z	-49.40	16.89	-20.04	0.77	-49.85	-33.72	LC 1-5				
				Max M _T	-7.18	-10.87	-1.52	3.29	-1.49	17.18	LC 1-4				
				Min M _T	-42.17	33.39	-6.08	-3.37	-13.00	-62.57	LC 1-5				
				Max M _y	-0.27	6.10	12.42	-0.83	35.39	-12.55	LC 1-4				
				Min M _y	-49.08	16.42	-20.03	0.76	-49.88	-32.84	LC 1-5				
				Max M _z	11.69	-29.44	1.96	1.65	6.54	57.90	LC 1-4				
				Min M _z	-61.04	51.96	-9.57	-1.73	-21.03	-103.29	LC 1-5				
				93	RC1	57	0.000	Max N	-69.41	-9.47	-5.86	0.65	11.02	-18.20	CO 9
								Min N	-81.17	-15.49	-8.13	0.55	14.54	-28.45	CO 6
								Max V _y	-69.54	-8.61	-5.39	0.45	9.65	-14.91	CO 13
								Min V _y	-81.17	-15.49	-8.13	0.55	14.54	-28.45	CO 6
								Max V _z	-69.54	-8.61	-5.39	0.45	9.65	-14.91	CO 13
								Min V _z	-81.17	-15.49	-8.13	0.55	14.54	-28.45	CO 6
Max M _T	-69.41	-9.47	-5.86					0.65	11.02	-18.20	CO 9				
Min M _T	-81.11	-14.54	-7.61					0.35	13.13	-24.92	CO 8				
Max M _y	-81.17	-15.49	-8.13					0.55	14.54	-28.45	CO 6				
Min M _y	-69.54	-8.61	-5.39					0.45	9.65	-14.91	CO 13				
Max M _z	-69.54	-8.61	-5.39					0.45	9.65	-14.91	CO 13				
Min M _z	-81.17	-15.49	-8.13					0.55	14.54	-28.45	CO 6				
94	3.650	3.650	Max N					-25.92	-9.47	-5.86	0.66	-10.40	16.36	CO 9	
			Min N					-37.68	-15.49	-8.14	0.55	-15.17	28.08	CO 6	
			Max V _y					-26.05	-8.61	-5.39	0.45	-10.04	16.51	CO 13	
			Min V _y					-37.68	-15.49	-8.14	0.55	-15.17	28.08	CO 6	
			Max V _z					-26.05	-8.61	-5.39	0.45	-10.04	16.51	CO 13	
			Min V _z					-37.68	-15.49	-8.14	0.55	-15.17	28.08	CO 6	
			Max M _T					-25.92	-9.47	-5.86	0.66	-10.40	16.36	CO 9	
			Min M _T					-37.62	-14.54	-7.61	0.35	-14.68	28.15	CO 8	
			Max M _y					-26.05	-8.61	-5.39	0.45	-10.04	16.51	CO 13	
			Min M _y					-37.68	-15.49	-8.14	0.55	-15.17	28.08	CO 6	
			Max M _z					-37.62	-14.54	-7.61	0.35	-14.68	28.15	CO 8	
			Min M _z					-25.92	-9.47	-5.86	0.66	-10.40	16.36	CO 9	
			RC2		57	0.000	Max N	-51.38	-6.95	-4.23	0.46	7.93	-13.01	CO 23	
							Min N	-59.87	-11.32	-5.81	0.38	10.38	-20.47	CO 20	
							Max V _y	-51.48	-6.31	-3.88	0.31	6.92	-10.58	CO 27	
							Min V _y	-59.87	-11.32	-5.81	0.38	10.38	-20.47	CO 20	
							Max V _z	-51.48	-6.31	-3.88	0.31	6.92	-10.58	CO 27	
							Min V _z	-59.87	-11.32	-5.81	0.38	10.38	-20.47	CO 20	
							Max M _T	-51.38	-6.95	-4.23	0.46	7.93	-13.01	CO 23	
							Min M _T	-59.83	-10.62	-5.43	0.24	9.33	-17.86	CO 22	
							Max M _y	-59.87	-11.32	-5.81	0.38	10.38	-20.47	CO 20	
							Min M _y	-51.48	-6.31	-3.88	0.31	6.92	-10.58	CO 27	
							Max M _z	-51.48	-6.31	-3.88	0.31	6.92	-10.58	CO 27	
							Min M _z	-59.87	-11.32	-5.81	0.38	10.38	-20.47	CO 20	
94	3.650	3.650					Max N	-19.17	-6.95	-4.23	0.46	-7.53	12.35	CO 23	
							Min N	-27.66	-11.32	-5.82	0.38	-10.86	20.85	CO 20	
							Max V _y	-19.26	-6.31	-3.89	0.31	-7.27	12.46	CO 27	
							Min V _y	-27.66	-11.32	-5.82	0.38	-10.86	20.85	CO 20	
							Max V _z	-19.26	-6.31	-3.89	0.31	-7.27	12.46	CO 27	
							Min V _z	-27.66	-11.32	-5.82	0.38	-10.86	20.85	CO 20	
							Max M _T	-19.17	-6.95	-4.23	0.46	-7.53	12.35	CO 23	
							Min M _T	-27.61	-10.62	-5.43	0.24	-10.49	20.91	CO 22	
							Max M _y	-19.26	-6.31	-3.89	0.31	-7.27	12.46	CO 27	
							Min M _y	-27.66	-11.32	-5.82	0.38	-10.86	20.85	CO 20	
							Max M _z	-27.61	-10.62	-5.43	0.24	-10.49	20.91	CO 22	
							Min M _z	-19.17	-6.95	-4.23	0.46	-7.53	12.35	CO 23	
			RC6		57	0.000	Max N	-4.07	15.71	26.37	-0.49	-38.51	34.39	LC 1-4	
							Min N	-111.41	-35.98	-34.47	0.91	52.76	-66.04	LC 1-5	
							Max V _y	-25.93	39.37	-1.69	-1.69	3.05	70.68	LC 1-4	
							Min V _y	-89.54	-59.64	-6.41	2.10	11.20	-102.34	LC 1-5	
							Max V _z	-11.51	-3.72	29.53	0.32	-43.01	1.70	LC 1-4	
							Min V _z	-103.96	-16.55	-37.63	0.10	57.26	-33.36	LC 1-5	
							Max M _T	-72.32	-37.59	-2.95	3.61	5.73	-65.43	LC 1-5	
							Min M _T	-43.16	17.32	-5.15	-3.20	8.52	33.77	LC 1-4	
							Max M _y	-104.17	-16.88	-37.62	0.10	57.29	-33.90	LC 1-5	
							Min M _y	-11.31	-3.39	29.51	0.31	-43.04	2.24	LC 1-4	
							Max M _z	-25.26	38.94	-0.76	-1.73	1.67	71.43	LC 1-4	
							Min M _z	-90.22	-59.21	-7.35	2.14	12.58	-103.09	LC 1-5	
94	3.650	3.650					Max N	28.15	11.87	16.64	-0.49	42.07	-16.87	LC 1-4	
							Min N	-79.19	-32.15	-24.75	0.91	-57.41	59.22	LC 1-5	
							Max V _y	6.55	30.52	-1.48	-1.79	-2.61	-58.48	LC 1-4	
							Min V _y	-57.59	-50.79	-6.63	2.20	-12.73	100.83	LC 1-5	
							Max V _z	21.47	-2.82	18.46	0.29	46.89	13.35	LC 1-4	
							Min V _z	-72.51	-17.45	-26.57	0.13	-62.23	29.00	LC 1-5	
							Max M _T	-40.10	-33.85	-3.67	3.61	-6.21	65.91	LC 1-5	
							Min M _T	-10.94	13.58	-4.43	-3.20	-9.13	-23.56	LC 1-4	
							Max M _y	21.01	-3.48	18.46	0.30	46.91	14.69	LC 1-4	
							Min M _y	-72.05	-16.79	-26.56	0.11	-62.25	27.66	LC 1-5	
							Max M _z	-55.90	-50.03	-5.51	2.03	-10.26	101.90	LC 1-4	
							Min M _z	4.86	29.75	-2.59	-1.61	-5.08	-59.55	LC 1-5	
			Section No. 2: Rectangle 300/300												
			2	RC1	3	0.000	Max N	-32.61	-2.23	-0.01	-0.00	0.00	-0.31	CO 13	
							Min N	-41.08	-2.73	-0.01	-0.00	0.00	-0.37	CO 6	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding	
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
2	RC1	5	3.000	Max V _y	-32.61	▷	-2.23	-0.01	-0.00	0.00	-0.31	CO 13
				Min V _y	-41.08	▷	-2.73	-0.01	-0.00	0.00	-0.37	CO 6
				Max V _z	-33.38	▷	-2.24	-0.01	-0.00	0.00	-0.30	CO 14
				Min V _z	-40.28	▷	-2.72	-0.02	-0.00	0.00	-0.38	CO 3
				Max M _T	-37.67	▷	-2.49	-0.01	-0.00	0.00	-0.34	CO 10
				Min M _T	-35.99	▷	-2.47	-0.02	-0.00	0.00	-0.34	CO 7
				Max M _y	-40.28	▷	-2.72	-0.02	-0.00	0.00	-0.38	CO 3
				Min M _y	-33.38	▷	-2.24	-0.01	-0.00	0.00	-0.30	CO 14
				Max M _z	-33.38	▷	-2.24	-0.01	-0.00	0.00	-0.30	CO 14
				Min M _z	-40.30	▷	-2.73	-0.02	-0.00	0.00	-0.38	CO 5
				Max N	-52.30	▷	6.08	-1.58	-0.04	-0.56	-1.65	CO 13
				Min N	-71.96	▷	9.19	-7.64	-0.38	-2.25	-2.19	CO 6
				Max V _y	-71.96	▷	9.19	-7.64	-0.38	-2.25	-2.19	CO 6
				Min V _y	-52.30	▷	6.08	-1.58	-0.04	-0.56	-1.65	CO 13
				Max V _z	-52.30	▷	6.08	-1.58	-0.04	-0.56	-1.65	CO 13
				Min V _z	-71.96	▷	9.19	-7.64	-0.38	-2.25	-2.19	CO 6
				Max M _T	-52.30	▷	6.08	-1.58	-0.04	-0.56	-1.65	CO 13
				Min M _T	-71.93	▷	9.18	-7.57	-0.39	-2.23	-2.18	CO 4
				Max M _y	-52.30	▷	6.08	-1.58	-0.04	-0.56	-1.65	CO 13
				Min M _y	-71.96	▷	9.19	-7.64	-0.38	-2.25	-2.19	CO 6
				Max M _z	-52.30	▷	6.08	-1.58	-0.04	-0.56	-1.65	CO 13
				Min M _z	-71.96	▷	9.19	-7.64	-0.38	-2.25	-2.19	CO 6
	RC2	3	0.000	Max N	-23.62	-1.60	-0.01	-0.00	0.00	-0.22	CO 27	
				Min N	-29.85	-1.97	-0.01	-0.00	0.00	-0.27	CO 20	
				Max V _y	-23.62	-1.60	-0.01	-0.00	0.00	-0.22	CO 27	
				Min V _y	-29.85	-1.97	-0.01	-0.00	0.00	-0.27	CO 20	
				Max V _z	-24.14	-1.61	-0.01	-0.00	0.00	-0.22	CO 28	
				Min V _z	-29.31	-1.97	-0.01	-0.00	0.00	-0.27	CO 17	
				Max M _T	-27.32	-1.79	-0.01	-0.00	0.00	-0.24	CO 24	
				Min M _T	-26.13	-1.78	-0.01	-0.00	0.00	-0.25	CO 21	
				Max M _y	-29.31	-1.97	-0.01	-0.00	0.00	-0.27	CO 17	
				Min M _y	-24.14	-1.61	-0.01	-0.00	0.00	-0.22	CO 28	
				Max M _z	-24.14	-1.61	-0.01	-0.00	0.00	-0.22	CO 28	
				Min M _z	-29.33	-1.97	-0.01	-0.00	0.00	-0.27	CO 19	
		5	3.000	Max N	-37.93	4.39	-1.22	-0.04	-0.43	-1.18	CO 27	
				Min N	-52.20	6.61	-5.50	-0.28	-1.62	-1.56	CO 20	
				Max V _y	-52.20	6.61	-5.50	-0.28	-1.62	-1.56	CO 20	
				Min V _y	-37.93	4.39	-1.22	-0.04	-0.43	-1.18	CO 27	
				Max V _z	-37.93	4.39	-1.22	-0.04	-0.43	-1.18	CO 27	
				Min V _z	-52.20	6.61	-5.50	-0.28	-1.62	-1.56	CO 20	
				Max M _T	-37.93	4.39	-1.22	-0.04	-0.43	-1.18	CO 27	
				Min M _T	-52.18	6.61	-5.44	-0.28	-1.61	-1.56	CO 18	
				Max M _y	-37.93	4.39	-1.22	-0.04	-0.43	-1.18	CO 27	
				Min M _y	-52.20	6.61	-5.50	-0.28	-1.62	-1.56	CO 20	
				Max M _z	-37.93	4.39	-1.22	-0.04	-0.43	-1.18	CO 27	
				Min M _z	-52.20	6.61	-5.50	-0.28	-1.62	-1.56	CO 20	
	RC6	3	0.000	Max N	-7.99	-1.22	-0.04	-0.00	0.01	-0.22	LC 1-4	
				Min N	-42.70	-1.95	0.02	-0.00	-0.00	-0.19	LC 1-5	
				Max V _y	-14.51	-1.18	-0.01	-0.00	0.00	-0.15	LC 1-4	
				Min V _y	-36.18	-1.99	-0.01	-0.00	0.00	-0.26	LC 1-5	
				Max V _z	-38.28	-1.67	0.03	-0.00	-0.01	-0.14	LC 1-4	
				Min V _z	-12.41	-1.50	-0.05	-0.00	0.01	-0.27	LC 1-5	
				Max M _T	-18.21	-1.44	-0.03	0.00	0.00	-0.23	LC 1-4	
				Min M _T	-32.48	-1.72	0.01	-0.00	-0.00	-0.19	LC 1-5	
				Max M _y	-12.41	-1.50	-0.05	-0.00	0.01	-0.27	LC 1-5	
				Min M _y	-38.28	-1.67	0.03	-0.00	-0.01	-0.14	LC 1-4	
				Max M _z	-24.18	-1.32	0.02	-0.00	-0.00	-0.12	LC 1-4	
				Min M _z	-26.51	-1.85	-0.03	-0.00	0.01	-0.29	LC 1-5	
		5	3.000	Max N	25.12	-12.59	56.07	1.77	14.70	2.28	LC 1-4	
				Min N	-112.22	22.65	-64.70	-2.24	-17.25	-4.45	LC 1-5	
				Max V _y	-86.34	26.91	-31.52	-0.74	-8.60	-8.17	LC 1-5	
				Min V _y	-0.76	-16.85	22.89	0.27	6.06	6.00	LC 1-4	
				Max V _z	24.29	-10.99	56.65	1.85	14.84	1.60	LC 1-4	
				Min V _z	-111.39	21.04	-65.28	-2.31	-17.38	-3.78	LC 1-5	
				Max M _T	19.19	-6.70	54.87	1.90	14.33	-0.01	LC 1-4	
				Min M _T	-106.29	16.75	-63.50	-2.37	-16.88	-2.17	LC 1-5	
				Max M _y	24.38	-11.11	56.65	1.84	14.84	1.65	LC 1-4	
				Min M _y	-111.49	21.17	-65.28	-2.31	-17.38	-3.83	LC 1-5	
				Max M _z	-7.16	-16.21	16.25	0.01	4.32	6.14	LC 1-4	
				Min M _z	-79.94	26.26	-24.88	-0.48	-6.86	-8.31	LC 1-5	
5	RC1	5	0.000	Max N	-75.17	-1.44	0.79	-0.08	-0.52	-1.47	CO 13	
				Min N	-97.28	-2.41	1.29	-0.12	-1.37	-2.99	CO 6	
				Max V _y	-75.17	-1.44	0.79	-0.08	-0.52	-1.47	CO 13	
				Min V _y	-97.28	-2.41	1.29	-0.12	-1.37	-2.99	CO 6	
				Max V _z	-97.28	-2.41	1.29	-0.12	-1.37	-2.99	CO 6	
				Min V _z	-75.17	-1.44	0.79	-0.08	-0.52	-1.47	CO 13	
				Max M _T	-75.39	-2.07	0.90	▷	-0.06	-0.83	CO 14	
				Min M _T	-97.07	-1.77	1.17	▷	-0.14	-1.06	CO 5	
				Max M _y	-75.17	-1.44	0.79	-0.08	-0.52	-1.47	CO 13	
				Min M _y	-97.28	-2.41	1.29	-0.12	-1.37	-2.99	CO 6	
				Max M _z	-86.93	-1.52	0.99	-0.11	-0.88	-1.42	CO 1	
				Min M _z	-85.44	-2.32	1.08	-0.09	-1.00	-3.03	CO 12	
		9	3.650	Max N	-64.30	-1.43	0.78	-0.08	2.34	3.78	CO 13	
				Min N	-86.41	-2.38	1.27	-0.12	3.32	5.79	CO 6	
				Max V _y	-64.30	-1.43	0.78	-0.08	2.34	3.78	CO 13	
				Min V _y	-86.41	-2.38	1.27	-0.12	3.32	5.79	CO 6	
				Max V _z	-86.41	-2.38	1.27	-0.12	3.32	5.79	CO 6	
				Min V _z	-64.30	-1.43	0.78	-0.08	2.34	3.78	CO 13	
				Max M _T	-64.52	-2.06	0.89	▷	-0.06	2.46	CO 14	
				Min M _T	-86.19	-1.75	1.16	▷	-0.14	3.21	CO 5	
				Max M _y	-86.41	-2.38	1.27	-0.12	3.32	5.79	CO 6	
				Min M _y	-64.30	-1.43	0.78	-0.08	2.34	3.78	CO 13	

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
5	RC1	5	0.000	Max M _z	-86.41	-2.38	1.27	-0.12	3.32	5.79	CO 6
				Min M _z	-64.30	-1.43	0.78	-0.08	2.34	3.78	CO 13
				Max N	-54.26	-1.01	0.55	-0.05	-0.38	-1.04	CO 27
				Min N	-70.62	-1.68	0.92	-0.09	-0.98	-2.07	CO 20
				Max V _y	-54.26	-1.01	0.55	-0.05	-0.38	-1.04	CO 27
				Min V _y	-70.62	-1.68	0.92	-0.09	-0.98	-2.07	CO 20
				Max V _z	-70.62	-1.68	0.92	-0.09	-0.98	-2.07	CO 20
				Min V _z	-54.26	-1.01	0.55	-0.05	-0.38	-1.04	CO 27
				Max M _T	-54.40	-1.44	0.63	-0.04	-0.58	-1.89	CO 28
				Min M _T	-70.47	-1.26	0.84	-0.10	-0.78	-1.22	CO 19
				Max M _y	-54.26	-1.01	0.55	-0.05	-0.38	-1.04	CO 27
				Min M _y	-70.62	-1.68	0.92	-0.09	-0.98	-2.07	CO 20
				Max M _z	-62.96	-1.07	0.70	-0.08	-0.64	-1.00	CO 15
				Min M _z	-61.85	-1.62	0.76	-0.06	-0.71	-2.10	CO 26
				Max N	-46.20	-1.01	0.55	-0.05	1.64	2.66	CO 27
				Min N	-62.57	-1.67	0.91	-0.09	2.36	4.08	CO 20
				Max V _y	-46.20	-1.01	0.55	-0.05	1.64	2.66	CO 27
				Min V _y	-62.57	-1.67	0.91	-0.09	2.36	4.08	CO 20
				Max V _z	-62.57	-1.67	0.91	-0.09	2.36	4.08	CO 20
				Min V _z	-46.20	-1.01	0.55	-0.05	1.64	2.66	CO 27
				Max M _T	-46.35	-1.43	0.63	-0.05	1.72	3.35	CO 28
				Min M _T	-62.42	-1.25	0.83	-0.10	2.28	3.38	CO 19
				Max M _y	-62.57	-1.67	0.91	-0.09	2.36	4.08	CO 20
				Min M _y	-46.20	-1.01	0.55	-0.05	1.64	2.66	CO 27
				Max M _z	-62.57	-1.67	0.91	-0.09	2.36	4.08	CO 20
				Min M _z	-46.20	-1.01	0.55	-0.05	1.64	2.66	CO 27
	RC6	5	0.000	Max N	29.54	-3.63	-3.11	-0.08	8.73	-6.21	LC 1-4
				Min N	-146.53	1.88	4.38	-0.08	-10.19	4.48	LC 1-5
				Max V _y	-86.88	9.60	0.13	-0.54	0.83	20.17	LC 1-4
				Min V _y	-32.11	-11.35	1.15	0.38	-2.29	-21.90	LC 1-5
				Max V _z	-138.81	-2.06	4.77	0.12	-11.19	-3.47	LC 1-5
				Min V _z	19.82	0.30	-3.49	-0.28	9.72	1.74	LC 1-4
				Max M _T	-41.47	-10.68	1.64	0.43	-3.70	-20.77	LC 1-4
				Min M _T	-77.52	8.93	-0.37	-0.59	2.23	19.04	LC 1-5
				Max M _y	19.65	0.55	-3.48	-0.29	9.75	2.24	LC 1-4
				Min M _y	-138.64	-2.30	4.76	0.13	-11.21	-3.97	LC 1-5
				Max M _z	-85.76	9.60	0.07	-0.54	0.97	20.17	LC 1-4
				Min M _z	-33.23	-11.35	1.20	0.38	-2.44	-21.90	LC 1-5
		9	3.650	Max N	37.60	-3.39	-2.52	-0.08	-1.96	6.77	LC 1-4
				Min N	-140.48	1.63	3.79	-0.08	5.15	-2.10	LC 1-5
				Max V _y	-79.05	8.65	0.22	-0.53	1.40	-13.78	LC 1-4
				Min V _y	-23.83	-10.40	1.05	0.37	1.79	18.45	LC 1-5
				Max V _z	-131.69	-1.93	4.07	0.13	5.38	3.88	LC 1-5
				Min V _z	28.81	0.17	-2.80	-0.29	-2.19	0.79	LC 1-4
				Max M _T	-33.42	-9.78	1.46	0.43	2.10	17.20	LC 1-4
				Min M _T	-69.46	8.03	-0.18	-0.59	1.09	-12.53	LC 1-5
				Max M _y	-132.33	-1.10	4.02	0.10	5.44	2.50	LC 1-5
				Min M _y	29.45	-0.65	-2.74	-0.26	-2.25	2.17	LC 1-4
				Max M _z	-22.47	-10.40	0.99	0.37	1.73	18.46	LC 1-5
				Min M _z	-80.40	8.64	0.28	-0.53	1.46	-13.79	LC 1-4
25	RC1	9	0.000	Max N	-26.77	-4.00	1.66	0.15	-3.02	-7.32	CO 14
				Min N	-32.29	-4.31	2.09	0.16	-4.04	-7.97	CO 3
				Max V _y	-30.25	-3.70	1.58	0.12	-2.96	-6.70	CO 13
				Min V _y	-28.79	-4.62	2.17	0.19	-4.10	-8.61	CO 6
				Max V _z	-28.79	-4.62	2.17	0.19	-4.10	-8.61	CO 6
				Min V _z	-30.25	-3.70	1.58	0.12	-2.96	-6.70	CO 13
				Max M _T	-28.82	-4.61	2.17	0.19	-4.09	-8.59	CO 4
				Min M _T	-30.25	-3.70	1.58	0.12	-2.96	-6.70	CO 13
				Max M _y	-30.25	-3.70	1.58	0.12	-2.96	-6.70	CO 13
				Min M _y	-28.79	-4.62	2.17	0.19	-4.10	-8.61	CO 6
				Max M _z	-30.25	-3.70	1.58	0.12	-2.96	-6.70	CO 13
				Min M _z	-28.79	-4.62	2.17	0.19	-4.10	-8.61	CO 6
		67	3.650	Max N	-15.90	-4.00	1.66	0.15	3.05	7.31	CO 14
				Min N	-21.42	-4.32	2.09	0.16	3.60	7.80	CO 3
				Max V _y	-19.38	-3.70	1.58	0.12	2.82	6.83	CO 13
				Min V _y	-17.91	-4.63	2.17	0.19	3.84	8.29	CO 6
				Max V _z	-17.91	-4.63	2.17	0.19	3.84	8.29	CO 6
				Min V _z	-19.38	-3.70	1.58	0.12	2.82	6.83	CO 13
				Max M _T	-17.94	-4.62	2.17	0.19	3.83	8.28	CO 4
				Min M _T	-19.38	-3.70	1.58	0.12	2.82	6.83	CO 13
				Max M _y	-17.91	-4.63	2.17	0.19	3.84	8.29	CO 6
				Min M _y	-19.38	-3.70	1.58	0.12	2.82	6.83	CO 13
				Max M _z	-17.91	-4.63	2.17	0.19	3.84	8.29	CO 6
				Min M _z	-19.38	-3.70	1.58	0.12	2.82	6.83	CO 13
	RC2	9	0.000	Max N	-19.64	-2.85	1.19	0.10	-2.13	-5.18	CO 28
				Min N	-23.46	-3.10	1.51	0.12	-2.90	-5.71	CO 17
				Max V _y	-21.96	-2.65	1.14	0.09	-2.10	-4.77	CO 27
				Min V _y	-21.12	-3.31	1.57	0.14	-2.94	-6.14	CO 20
				Max V _z	-21.12	-3.31	1.57	0.14	-2.94	-6.14	CO 20
				Min V _z	-21.96	-2.65	1.14	0.09	-2.10	-4.77	CO 27
				Max M _T	-21.15	-3.30	1.57	0.14	-2.93	-6.12	CO 18
				Min M _T	-21.96	-2.65	1.14	0.09	-2.10	-4.77	CO 27
				Max M _y	-21.96	-2.65	1.14	0.09	-2.10	-4.77	CO 27
				Min M _y	-21.12	-3.31	1.57	0.14	-2.94	-6.14	CO 20
				Max M _z	-21.96	-2.65	1.14	0.09	-2.10	-4.77	CO 27
				Min M _z	-21.12	-3.31	1.57	0.14	-2.94	-6.14	CO 20
		67	3.650	Max N	-11.58	-2.85	1.19	0.10	2.21	5.22	CO 28
				Min N	-15.41	-3.10	1.51	0.12	2.64	5.62	CO 17
				Max V _y	-13.90	-2.65	1.14	0.09	2.06	4.90	CO 27
				Min V _y	-13.07	-3.31	1.57	0.14	2.79	5.95	CO 20
				Max V _z	-13.07	-3.31	1.57	0.14	2.79	5.95	CO 20
				Min V _z	-13.90	-2.65	1.14	0.09	2.06	4.90	CO 27



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding		
					N	V _y	V _z	M _T	M _y	M _z	Load Cases		
25	RC2	9	0.000	Max M _T	-13.09	-3.30	1.57	▷	0.14	2.79	5.94	CO 18	
				Min M _T	-13.90	-2.65	1.14	▷	0.09	2.06	4.90	CO 27	
				Max M _y	-13.07	-3.31	1.57	▷	0.14	2.79	5.95	CO 20	
				Min M _y	-13.90	-2.65	1.14	▷	0.09	2.06	4.90	CO 27	
				Max M _z	-13.07	-3.31	1.57	▷	0.14	2.79	5.95	CO 20	
				Min M _z	-13.90	-2.65	1.14	▷	0.09	2.06	4.90	CO 27	
	RC6			67	3.650	Max N	1.46	5.91	-0.31	-0.12	-0.18	8.64	LC 1-5
						Min N	-40.02	-10.61	2.81	0.32	-4.18	-17.07	LC 1-4
						Max V _y	-0.60	6.68	0.40	-0.07	-1.06	10.18	LC 1-4
						Min V _y	-37.96	-11.39	2.10	0.27	-3.29	-18.61	LC 1-5
						Max V _z	-29.68	-4.14	4.91	0.59	-7.19	-6.72	LC 1-5
						Min V _z	-8.87	-0.57	-2.41	-0.39	2.84	-1.71	LC 1-4
		Max M _T	-28.92			-4.97	4.19	▷	0.71	-6.24	-8.12	LC 1-5	
		Min M _T	-9.64			0.26	-1.69	▷	-0.51	1.89	-0.31	LC 1-4	
		Max M _y	-8.68			-0.66	-2.39	-0.39	2.87	-1.85	LC 1-4		
		Min M _y	-29.88			-4.04	4.89	▷	-7.22	-6.58	LC 1-5		
		Max M _z	-0.88			6.67	0.50	-0.06	-1.19	10.19	LC 1-4		
		Min M _z	-37.67			-11.38	2.00	0.26	-3.17	-18.63	LC 1-5		
		Max N	9.52			3.02	0.71	-0.12	0.28	-8.21	LC 1-5		
		Min N	-31.97			-7.72	1.79	0.32	4.50	16.94	LC 1-4		
		Max V _y	7.34			3.62	0.88	-0.07	1.15	-9.28	LC 1-4		
		Min V _y	-29.79			-8.33	1.63	0.27	3.63	18.02	LC 1-5		
		Max V _z	-23.09			-3.91	2.40	0.63	6.59	8.24	LC 1-5		
		Min V _z	0.64			-0.80	0.10	-0.43	-1.81	0.50	LC 1-4		
	Max M _T	-20.87	-4.01	2.26	0.71	5.97	8.50	LC 1-5					
	29	RC1	34	0.000	Min M _T	-1.58	-0.69	0.24	▷	-0.51	-1.19	0.24	LC 1-4
					Max M _y	-22.43	-3.78	2.38	▷	0.61	6.68	7.94	LC 1-5
					Min M _y	-0.02	-0.92	0.13	-0.41	-1.90	0.80	LC 1-4	
					Max M _z	-30.01	-8.33	1.65	0.28	3.74	18.03	LC 1-5	
					Min M _z	7.56	3.62	0.85	-0.08	1.04	-9.29	LC 1-4	
Max N					-421.01	1.50	-2.41	0.15	2.30	1.42	CO 14		
Min N					-487.73	1.56	-2.74	0.18	2.62	1.49	CO 5		
Max V _y					-487.59	1.69	-2.81	0.18	2.69	1.60	CO 6		
Min V _y					-436.13	1.32	-2.31	0.15	2.21	1.26	CO 9		
Max V _z					-436.13	1.32	-2.31	0.15	2.21	1.26	CO 9		
Min V _z					-466.42	1.67	-2.81	0.18	2.69	1.58	CO 8		
Max M _T					-487.59	1.69	-2.81	0.18	2.69	1.60	CO 6		
Min M _T			-436.13	1.32	-2.31	▷	0.15	2.21	1.26	CO 9			
Max M _y			-466.42	1.67	-2.81	▷	0.18	2.69	1.58	CO 8			
Min M _y			-436.13	1.32	-2.31	▷	0.15	2.21	1.26	CO 9			
Max M _z			-487.59	1.69	-2.81	▷	0.18	2.69	1.60	CO 6			
Min M _z			-436.13	1.32	-2.31	▷	0.15	2.21	1.26	CO 9			
Max N			-412.08	1.45	-2.33	0.15	-4.92	-3.08	CO 14				
Min N			-478.79	1.50	-2.63	0.18	-5.59	-3.18	CO 5				
Max V _y			-478.65	1.62	-2.70	0.18	-5.74	-3.46	CO 6				
Min V _y			-427.19	1.28	-2.23	0.15	-4.71	-2.70	CO 9				
Max V _z			-427.19	1.28	-2.23	0.15	-4.71	-2.70	CO 9				
Min V _z			-457.48	1.61	-2.71	0.18	-5.74	-3.42	CO 8				
Max M _T			-478.65	1.62	-2.70	▷	0.18	-5.74	-3.46	CO 6			
Min M _T		-427.19	1.28	-2.23	▷	0.15	-4.71	-2.70	CO 9				
Max M _y		-427.19	1.28	-2.23	▷	-4.71	-2.70	CO 9					
Min M _y		-457.48	1.61	-2.71	▷	-5.74	-3.42	CO 8					
Max M _z		-427.19	1.28	-2.23	0.15	-4.71	-2.70	CO 9					
Min M _z		-478.65	1.62	-2.70	▷	-5.74	-3.46	CO 6					
RC2		34	0.000	Max N	-298.24	1.06	-1.69	0.11	1.61	1.00	CO 28		
	Min N			-347.65	1.11	-1.94	0.12	1.85	1.06	CO 19			
	Max V _y			-347.55	1.20	-1.99	0.12	1.89	1.14	CO 20			
	Min V _y			-309.42	0.94	-1.62	0.11	1.55	0.89	CO 23			
	Max V _z			-309.42	0.94	-1.62	0.11	1.55	0.89	CO 23			
	Min V _z			-331.88	1.19	-1.99	0.12	1.90	1.12	CO 22			
	Max M _T			-347.55	1.20	-1.99	▷	0.12	1.89	1.14	CO 20		
	Min M _T			-309.42	0.94	-1.62	▷	0.11	1.55	0.89	CO 23		
	Max M _y			-331.88	1.19	-1.99	▷	0.12	1.90	1.12	CO 22		
	Min M _y			-309.42	0.94	-1.62	▷	0.11	1.55	0.89	CO 23		
	Max M _z			-347.55	1.20	-1.99	0.12	1.89	▷	1.14	CO 20		
	Min M _z			-309.42	0.94	-1.62	0.11	1.55	▷	0.89	CO 23		
	Max N			-291.62	1.04	-1.65	0.11	-3.45	-2.18	CO 28			
	Min N			-341.03	1.08	-1.89	0.12	-3.96	-2.28	CO 19			
	Max V _y			-340.94	1.17	-1.93	0.12	-4.06	-2.46	CO 20			
	Min V _y			-302.80	0.92	-1.58	0.11	-3.31	-1.92	CO 23			
	Max V _z			-302.80	0.92	-1.58	0.11	-3.31	-1.92	CO 23			
	Min V _z			-325.26	1.15	-1.94	0.12	-4.07	-2.43	CO 22			
	Max M _T			-340.94	1.17	-1.93	▷	-4.06	-2.46	CO 20			
	Min M _T			-302.80	0.92	-1.58	▷	-3.31	-1.92	CO 23			
Max M _y	-302.80	0.92	-1.58	▷	-3.31	-1.92	CO 23						
Min M _y	-325.26	1.15	-1.94	▷	-4.07	-2.43	CO 22						
Max M _z	-302.80	0.92	-1.58	0.11	-3.31	▷	-1.92	CO 23					
Min M _z	-340.94	1.17	-1.93	▷	-4.06	-2.46	CO 20						
RC6	34	0.000	Max N	-181.07	1.20	-1.02	0.07	0.97	1.09	LC 1-4			
			Min N	-304.29	0.39	-1.52	0.09	1.43	0.42	LC 1-5			
			Max V _y	-217.14	1.31	-1.49	0.09	1.42	1.19	LC 1-5			
			Min V _y	-268.22	0.28	-1.04	0.07	0.98	0.31	LC 1-4			
			Max V _z	-206.26	0.79	1.75	0.03	-1.59	0.73	LC 1-4			
			Min V _z	-279.10	0.80	-4.28	0.13	3.99	0.78	LC 1-5			
			Max M _T	-278.45	0.81	-4.25	▷	0.13	3.96	0.78	LC 1-5		
			Min M _T	-206.91	0.78	1.72	▷	0.03	-1.56	0.73	LC 1-4		
			Max M _y	-279.05	0.80	-4.28	▷	0.13	3.99	0.78	LC 1-5		
			Min M _y	-206.30	0.79	1.75	▷	-1.59	0.73	LC 1-4			
			Max M _z	-217.35	1.31	-1.54	0.09	1.46	1.19	LC 1-5			
			Min M _z	-268.00	0.28	-1.00	0.07	0.94	0.31	LC 1-4			
			Max N	-174.45	1.19	-1.02	0.07	-2.08	-2.50	LC 1-4			
			Min N	-297.67	0.40	-1.52	0.09	-3.12	-0.77	LC 1-5			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
29	RC6			Max V _y	-210.51	1.31	-1.49	0.09	-3.06	-2.73	LC 1-5
				Min V _y	-261.61	0.28	-1.04	0.07	-2.14	-0.53	LC 1-4
				Max V _z	-199.63	0.79	1.72	0.03	3.62	-1.64	LC 1-4
				Min V _z	-272.49	0.80	-4.25	0.13	-8.82	-1.62	LC 1-5
				Max M _T	-271.83	0.81	-4.22	0.13	-8.76	-1.64	LC 1-5
				Min M _T	-200.29	0.79	1.69	0.03	3.56	-1.63	LC 1-4
				Max M _y	-199.61	0.79	1.72	0.03	3.62	-1.64	LC 1-4
				Min M _y	-272.51	0.80	-4.25	0.13	-8.82	-1.62	LC 1-5
				Max M _z	-261.67	0.28	-1.06	0.07	-2.17	-0.53	LC 1-4
				Min M _z	-210.45	1.31	-1.48	0.09	-3.03	-2.73	LC 1-5
				Max N	-312.91	-0.67	-2.74	-0.06	5.63	0.71	CO 13
				Min N	-367.48	-6.56	-2.52	-0.09	5.38	-3.05	CO 6
				Max V _y	-341.90	-0.19	-2.82	-0.10	5.94	1.53	CO 7
				Min V _y	-335.38	-7.17	-2.43	-0.05	5.03	-4.08	CO 10
				Max V _z	-313.36	-6.93	-2.38	-0.05	4.99	-3.76	CO 14
				Min V _z	-367.04	-0.30	-2.89	-0.10	6.02	1.42	CO 5
				Max M _T	-335.38	-7.17	-2.43	-0.05	5.03	-4.08	CO 10
				Min M _T	-341.90	-0.19	-2.82	-0.10	5.94	1.53	CO 7
				Max M _y	-367.04	-0.30	-2.89	-0.10	6.02	1.42	CO 5
				Min M _y	-313.36	-6.93	-2.38	-0.05	4.99	-3.76	CO 14
				Max M _z	-341.90	-0.19	-2.82	-0.10	5.94	1.53	CO 7
				Min M _z	-335.38	-7.17	-2.43	-0.05	5.03	-4.08	CO 10
30	RC1	35	0.000	Max N	-302.04	-0.57	-2.77	-0.06	-4.61	2.99	CO 13
				Min N	-356.61	5.05	-2.56	-0.09	-4.08	-0.24	CO 6
				Max V _y	-331.48	5.15	-2.49	-0.09	-3.89	-0.53	CO 8
				Min V _y	-324.06	-0.79	-2.82	-0.06	-4.77	3.54	CO 9
				Max V _z	-302.48	4.67	-2.41	-0.05	-3.89	0.43	CO 14
				Min V _z	-356.16	-0.18	-2.93	-0.10	-4.80	2.33	CO 5
				Max M _T	-324.51	4.44	-2.46	-0.05	-4.05	0.98	CO 10
				Min M _T	-331.03	-0.08	-2.86	-0.10	-4.61	2.03	CO 7
				Max M _y	-328.37	5.03	-2.47	-0.09	-3.85	-0.28	CO 2
				Min M _y	-327.17	-0.67	-2.84	-0.06	-4.81	3.28	CO 11
				Max M _z	-324.06	-0.79	-2.82	-0.06	-4.77	3.54	CO 9
				Min M _z	-331.48	5.15	-2.49	-0.09	-3.89	-0.53	CO 8
	RC2	35	0.000	Max N	-221.98	-0.43	-1.93	-0.04	3.93	0.55	CO 27
				Min N	-262.37	4.33	-1.79	-0.06	3.79	-1.90	CO 20
				Max V _y	-243.46	-0.07	-1.98	-0.07	4.16	1.16	CO 21
				Min V _y	-238.59	-4.78	-1.72	-0.03	3.53	-2.66	CO 24
				Max V _z	-222.28	-4.61	-1.68	-0.04	3.50	-2.43	CO 28
				Min V _z	-262.07	-0.16	-2.04	-0.07	4.22	1.08	CO 19
				Max M _T	-238.59	-4.78	-1.72	-0.03	3.53	-2.66	CO 24
				Min M _T	-243.46	-0.07	-1.98	-0.07	4.16	1.16	CO 21
				Max M _y	-262.07	-0.16	-2.04	-0.07	4.22	1.08	CO 19
				Min M _y	-222.28	-4.61	-1.68	-0.04	3.50	-2.43	CO 28
				Max M _z	-243.46	-0.07	-1.98	-0.07	4.16	1.16	CO 21
				Min M _z	-238.59	-4.78	-1.72	-0.03	3.53	-2.66	CO 24
		36	3.650	Max N	-213.92	-0.38	-1.94	-0.04	-3.22	2.04	CO 27
				Min N	-254.32	3.39	-1.81	-0.06	-2.88	-0.15	CO 20
				Max V _y	-235.70	3.47	-1.76	-0.06	-2.74	-0.37	CO 22
				Min V _y	-230.24	-0.55	-1.98	-0.04	-3.34	2.45	CO 23
				Max V _z	-214.22	3.11	-1.70	-0.04	-2.74	0.34	CO 28
				Min V _z	-254.02	-0.10	-2.06	-0.07	-3.36	1.56	CO 19
				Max M _T	-230.54	2.94	-1.74	-0.03	-2.86	0.75	CO 24
				Min M _T	-235.40	-0.02	-2.00	-0.07	-3.22	1.34	CO 21
				Max M _y	-233.40	3.37	-1.74	-0.06	-2.71	-0.18	CO 16
				Min M _y	-232.54	-0.46	-2.00	-0.04	-3.36	2.26	CO 25
				Max M _z	-230.24	-0.55	-1.98	-0.04	-3.34	2.45	CO 23
				Min M _z	-235.70	3.47	-1.76	-0.06	-2.74	-0.37	CO 22
	RC6	35	0.000	Max N	-130.53	-10.77	-1.99	-0.00	3.63	-19.73	LC 1-4
				Min N	-242.16	11.32	-0.23	-0.09	0.93	22.18	LC 1-5
				Max V _y	-216.99	11.53	-0.51	-0.10	1.31	22.36	LC 1-4
				Min V _y	-155.70	-10.98	-1.71	0.01	3.25	-19.91	LC 1-5
				Max V _z	-193.47	3.19	12.96	0.39	-21.66	6.53	LC 1-4
				Min V _z	-179.23	-2.64	-15.18	-0.48	26.22	-4.09	LC 1-5
				Max M _T	-189.18	2.26	11.29	0.45	-18.83	4.80	LC 1-4
				Min M _T	-183.51	-1.71	-13.51	-0.54	23.39	-2.35	LC 1-5
				Max M _y	-179.31	-2.62	-15.18	-0.48	26.22	-4.04	LC 1-5
				Min M _y	-193.39	3.17	12.96	0.39	-21.66	6.49	LC 1-4
				Max M _z	-217.01	11.53	-0.52	-0.10	1.33	22.36	LC 1-4
				Min M _z	-155.68	-10.98	-1.69	0.01	3.23	-19.91	LC 1-5
		36	3.650	Max N	-122.48	-9.95	-1.92	-0.00	-3.54	18.64	LC 1-4
				Min N	-234.11	10.50	-0.30	-0.09	0.01	-18.20	LC 1-5
				Max V _y	-209.02	10.69	-0.54	-0.10	-0.60	-18.77	LC 1-4
				Min V _y	-147.57	-10.14	-1.67	0.01	-2.94	19.21	LC 1-5
				Max V _z	-185.48	2.97	11.85	0.39	24.31	-4.86	LC 1-4
				Min V _z	-171.11	-2.42	-14.06	-0.48	-27.84	5.30	LC 1-5
				Max M _T	-181.13	2.09	10.30	0.45	21.20	-3.26	LC 1-4
				Min M _T	-175.46	-1.54	-12.51	-0.54	-24.73	3.70	LC 1-5
				Max M _y	-185.53	2.99	11.85	0.39	24.31	-4.89	LC 1-4
				Min M _y	-171.05	-2.44	-14.06	-0.48	-27.84	5.33	LC 1-5
				Max M _z	-147.61	-10.14	-1.68	0.01	-2.96	19.21	LC 1-5
				Min M _z	-208.98	10.69	-0.53	-0.10	-0.57	-18.77	LC 1-4
86	RC1	36	0.000	Max N	-39.11	-1.35	-2.65	-0.00	4.68	-4.24	CO 9
				Min N	-69.28	-6.76	-2.18	0.02	3.49	-6.89	CO 8
				Max V _y	-66.62	-0.40	-2.66	0.01	4.37	-2.40	CO 7
				Min V _y	-41.77	-7.71	-2.17	0.00	3.79	-8.73	CO 10
				Max V _z	-44.83	-7.31	-2.06	0.00	3.55	-7.98	CO 14
				Min V _z	-63.99	-0.67	-2.78	0.02	4.63	-2.89	CO 5
				Max M _T	-66.65	-7.03	-2.30	0.02	3.75	-7.38	CO 6
				Min M _T	-42.17	-0.95	-2.54	-0.01	4.44	-3.49	CO 13
				Max M _y	-39.55	-1.22	-2.66	-0.00	4.70	-3.98	CO 11
				Min M _y	-68.84	-6.89	-2.16	0.02	3.47	-7.15	CO 2

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases				
				N	V _y	V _z	M _T	M _y	M _z					
86	RC1	80	3.650	Max M _z	-66.62	-0.40	-2.66	0.01	4.37	-2.40	CO 7			
				Min M _z	-41.77	-7.71	-2.17	0.00	3.79	-8.73	CO 10			
				Max N	-28.24	-1.36	-2.65	-0.00	-5.00	0.72	CO 9			
				Min N	-58.40	4.72	-2.17	0.02	-4.48	-3.16	CO 8			
				Max V _y	-58.40	4.72	-2.17	0.02	-4.48	-3.16	CO 8			
				Min V _y	-28.24	-1.36	-2.65	-0.00	-5.00	0.72	CO 9			
				Max V _z	-33.96	4.17	-2.06	0.00	-3.98	-2.25	CO 14			
				Min V _z	-53.12	-0.68	-2.77	0.02	-5.53	-0.42	CO 5			
				Max M _T	-55.78	4.45	-2.29	0.02	-4.66	-2.66	CO 6			
				Min M _T	-31.30	-0.96	-2.54	-0.01	-4.85	0.00	CO 13			
				Max M _y	-33.96	4.17	-2.06	0.00	-3.98	-2.25	CO 14			
				Min M _y	-53.12	-0.68	-2.77	0.02	-5.53	-0.42	CO 5			
				Max M _z	-28.24	-1.36	-2.65	-0.00	-5.00	0.72	CO 9			
				Min M _z	-58.40	4.72	-2.17	0.02	-4.48	-3.16	CO 8			
				Max N	-28.75	-0.91	-1.86	-0.00	3.29	-2.92	CO 23			
				Min N	-50.90	-4.45	-1.55	0.01	2.47	-4.55	CO 22			
				Max V _y	-49.13	-0.21	-1.87	0.01	3.06	-1.56	CO 21			
				RC2	36	0.000	Min V _y	-30.53	-5.15	-1.54	0.00	2.70	-5.91	CO 24
	Max V _z	-32.79	-4.86				-1.46	0.00	2.52	-5.36	CO 28			
	Min V _z	-47.19	-0.41				-1.96	0.01	3.25	-1.92	CO 19			
	Max M _T	-48.96	-4.65				-1.64	0.02	2.66	-4.91	CO 20			
	Min M _T	-31.02	-0.62				-1.78	-0.00	3.11	-2.36	CO 27			
	Max M _y	-29.08	-0.82				-1.87	-0.00	3.30	-2.73	CO 25			
	Min M _y	-50.58	-4.55				-1.54	0.01	2.46	-4.74	CO 16			
	Max M _z	-49.13	-0.21				-1.87	0.01	3.06	-1.56	CO 21			
	Min M _z	-30.53	-5.15				-1.54	0.00	2.70	-5.91	CO 24			
	Max N	-20.70	-0.92				-1.86	-0.00	-3.51	0.43	CO 23			
	Min N	-42.85	3.21				-1.55	0.01	-3.19	-2.27	CO 22			
	Max V _y	-42.85	3.21				-1.55	0.01	-3.19	-2.27	CO 22			
	Min V _y	-20.70	-0.92				-1.86	-0.00	-3.51	0.43	CO 23			
	Max V _z	-24.74	2.80				-1.46	0.00	-2.82	-1.60	CO 28			
	Min V _z	-39.13	-0.42				-1.95	0.01	-3.90	-0.41	CO 19			
	Max M _T	-40.91	3.01				-1.64	0.02	-3.32	-1.91	CO 20			
	Min M _T	-22.97	-0.62				-1.78	-0.00	-3.40	-0.10	CO 27			
	Max M _y	-24.74	2.80				-1.46	0.00	-2.82	-1.60	CO 28			
	Min M _y	-39.13	-0.42				-1.95	0.01	-3.90	-0.41	CO 19			
	Max M _z	-20.70	-0.92				-1.86	-0.00	-3.51	0.43	CO 23			
	Min M _z	-42.85	3.21				-1.55	0.01	-3.19	-2.27	CO 22			
	RC6	36	0.000				Max N	-27.47	-11.68	-3.43	-0.03	5.99	-20.63	LC 1-5
							Min N	-61.68	12.20	1.23	0.07	-2.47	20.16	LC 1-4
							Max V _y	-61.43	12.36	-0.11	0.04	-0.11	20.41	LC 1-4
							Min V _y	-27.72	-11.84	-2.09	-0.00	3.63	-20.88	LC 1-5
							Max V _z	-55.44	3.56	19.87	0.63	-35.05	5.55	LC 1-4
							Min V _z	-33.71	-3.04	-22.07	-0.59	38.57	-6.03	LC 1-5
							Max M _T	-53.26	3.14	17.67	0.69	-31.16	4.61	LC 1-5
							Min M _T	-35.88	-2.62	-19.87	-0.66	34.68	-5.08	LC 1-4
							Max M _y	-33.67	-3.06	-22.07	-0.59	38.57	-6.06	LC 1-5
				Min M _y	-55.48	3.59	19.87	0.62	-35.05	5.59	LC 1-4			
				Max M _z	-61.45	12.36	-0.08	0.04	-0.16	20.41	LC 1-4			
				Min M _z	-27.70	-11.83	-2.12	-0.00	3.68	-20.88	LC 1-5			
				Max N	-19.42	-9.05	-3.12	-0.03	-6.07	17.83	LC 1-5			
				Min N	-53.63	9.58	0.92	0.07	1.56	-20.21	LC 1-4			
				Max V _y	-53.39	9.69	-0.18	0.04	-0.60	-20.46	LC 1-4			
				Min V _y	-19.65	-9.17	-2.02	0.00	-3.91	18.08	LC 1-5			
				Max V _z	-47.41	2.88	16.52	0.62	32.26	-6.38	LC 1-4			
				Min V _z	-25.63	-2.36	-18.72	-0.59	-36.76	4.00	LC 1-5			
				Max M _T	-45.21	2.42	14.60	0.69	28.57	-5.72	LC 1-5			
				Min M _T	-27.83	-1.90	-16.80	-0.66	-33.08	3.34	LC 1-4			
				Max M _y	-47.39	2.86	16.52	0.62	32.26	-6.34	LC 1-4			
				Min M _y	-25.66	-2.34	-18.72	-0.59	-36.77	3.97	LC 1-5			
				Max M _z	-19.66	-9.17	-1.99	0.00	-3.86	18.08	LC 1-5			
				Min M _z	-53.38	9.69	-0.21	0.04	-0.65	-20.46	LC 1-4			
Section No. 3: Rectangle 400/300														
7	RC1	4	0.000	Max N	-67.28	-0.10	-0.00	-0.00	0.00	-0.02	CO 14			
				Min N	-82.36	-0.13	-0.00	-0.00	0.00	-0.03	CO 5			
				Max V _y	-73.91	-0.09	-0.00	-0.00	0.00	-0.02	CO 10			
				Min V _y	-75.68	-0.13	-0.00	-0.00	0.00	-0.03	CO 7			
				Max V _z	-67.28	-0.10	-0.00	-0.00	0.00	-0.02	CO 14			
				Min V _z	-82.36	-0.13	-0.00	-0.00	0.00	-0.03	CO 5			
				Max M _T	-74.05	-0.11	-0.00	-0.00	0.00	-0.02	CO 11			
				Min M _T	-75.54	-0.12	-0.00	-0.00	0.00	-0.03	CO 2			
				Max M _y	-82.27	-0.11	-0.00	-0.00	0.00	-0.03	CO 6			
				Min M _y	-67.37	-0.11	-0.00	-0.00	0.00	-0.02	CO 13			
				Max M _z	-67.28	-0.10	-0.00	-0.00	0.00	-0.02	CO 14			
				Min M _z	-82.36	-0.13	-0.00	-0.00	0.00	-0.03	CO 5			
				Max N	-164.64	0.99	19.93	0.24	4.70	-1.04	CO 14			
				Min N	-207.32	0.18	22.27	0.21	5.25	-0.42	CO 5			
				Max V _y	-181.66	1.11	19.33	0.24	4.56	-1.16	CO 12			
				Min V _y	-190.13	0.06	22.81	0.21	5.38	-0.30	CO 1			
				Max V _z	-190.30	0.06	22.87	0.21	5.40	-0.30	CO 7			
				Min V _z	-181.48	1.11	19.27	0.24	4.54	-1.16	CO 10			
				Max M _T	-206.43	0.95	21.32	0.26	5.01	-1.06	CO 4			
				Min M _T	-165.35	0.22	20.81	0.19	4.92	-0.40	CO 13			
				Max M _y	-190.30	0.06	22.87	0.21	5.40	-0.30	CO 7			
				Min M _y	-181.48	1.11	19.27	0.24	4.54	-1.16	CO 10			
				Max M _z	-190.13	0.06	22.81	0.21	5.38	-0.30	CO 1			
				Min M _z	-181.66	1.11	19.33	0.24	4.56	-1.16	CO 12			
	RC2	4	0.000	Max N	-48.18	-0.07	-0.00	-0.00	0.00	-0.02	CO 28			
				Min N	-59.35	-0.09	-0.00	-0.00	0.00	-0.02	CO 19			
				Max V _y	-53.09	-0.06	-0.00	-0.00	0.00	-0.02	CO 24			
				Min V _y	-54.40	-0.09	-0.00	-0.00	0.00	-0.02	CO 21			
				Max V _z	-48.18	-0.07	-0.00	-0.00	0.00	-0.02	CO 28			
				Min V _z	-59.35	-0.09	-0.00	-0.00	0.00	-0.02	CO 19			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
7	RC2	7	3.000	Max M _T	-53.19	-0.07	-0.00	▷ -0.00	0.00	-0.02	CO 25
				Min M _T	-54.30	-0.08	-0.00	▷ -0.00	0.00	-0.02	CO 16
				Max M _y	-59.28	-0.08	-0.00	▷ -0.00	0.00	-0.02	CO 20
				Min M _y	-48.24	-0.08	-0.00	▷ -0.00	0.00	-0.02	CO 27
				Max M _z	-48.18	-0.07	-0.00	▷ -0.00	0.00	-0.02	CO 28
				Min M _z	-59.35	-0.09	-0.00	▷ -0.00	0.00	-0.02	CO 19
				Max N	▷ -117.48	0.67	14.03	0.17	3.31	-0.71	CO 28
				Min N	▷ -149.05	0.13	15.72	0.15	3.71	-0.30	CO 19
				Max V _y	▷ -130.09	▷ 0.77	13.60	0.17	3.21	-0.80	CO 26
				Min V _y	▷ -136.31	▷ 0.04	16.11	0.15	3.80	-0.21	CO 15
				Max V _z	▷ -136.44	0.04	▷ 16.16	0.15	3.81	-0.21	CO 21
				Min V _z	▷ -129.96	0.77	▷ 13.55	0.17	3.20	-0.80	CO 24
				Max M _T	-148.44	0.64	15.08	▷ 0.18	3.55	-0.73	CO 18
				Min M _T	-117.96	0.16	14.63	▷ 0.14	3.46	-0.29	CO 27
				Max M _y	-136.44	0.04	16.16	0.15	3.81	-0.21	CO 21
				Min M _y	-129.96	0.77	13.55	▷ 0.17	3.20	-0.80	CO 24
				Max M _z	-136.31	0.04	16.11	0.15	3.80	▷ -0.21	CO 15
				Min M _z	-130.09	0.77	13.60	0.17	3.21	▷ -0.80	CO 26
	RC6	4	0.000	Max N	▷ -41.09	0.18	-0.00	0.00	0.00	0.06	LC 1-4
				Min N	▷ -51.86	-0.27	-0.00	-0.00	0.00	-0.09	LC 1-5
				Max V _y	▷ -41.49	▷ 0.21	-0.00	0.00	0.00	0.06	LC 1-4
				Min V _y	▷ -51.46	▷ -0.30	-0.00	-0.00	0.00	-0.09	LC 1-5
				Max V _z	▷ -43.87	-0.07	▷ -0.00	-0.00	0.00	-0.02	LC 1-4
				Min V _z	▷ -49.08	-0.01	▷ -0.00	-0.00	0.00	-0.00	LC 1-5
				Max M _T	-41.95	0.14	-0.00	▷ 0.00	0.00	0.05	LC 1-4
				Min M _T	-51.01	-0.23	-0.00	▷ -0.01	0.00	-0.08	LC 1-5
				Max M _y	-51.42	-0.23	-0.00	-0.01	▷ 0.00	-0.08	LC 1-5
				Min M _y	-41.54	0.14	-0.00	0.00	0.00	0.05	LC 1-4
				Max M _z	-41.28	0.21	-0.00	0.00	0.00	▷ 0.06	LC 1-4
				Min M _z	-51.67	-0.29	-0.00	-0.00	0.00	▷ -0.09	LC 1-5
		7	3.000	Max N	▷ -103.33	4.73	34.73	0.17	8.56	-3.83	LC 1-4
				Min N	▷ -124.42	-4.47	-15.92	0.02	-4.12	3.35	LC 1-5
				Max V _y	▷ -115.96	13.61	3.51	0.95	0.72	-11.39	LC 1-5
				Min V _y	▷ -111.79	▷ -13.34	15.30	-0.75	3.72	10.91	LC 1-4
				Max V _z	▷ -115.76	-2.27	▷ 42.88	-0.28	10.57	1.95	LC 1-5
				Min V _z	▷ -112.00	2.53	▷ -24.07	0.47	-6.13	-2.44	LC 1-4
				Max M _T	-116.85	13.27	-2.51	▷ 0.98	-0.78	-11.16	LC 1-5
				Min M _T	-110.90	-13.01	21.32	▷ -0.78	5.23	10.67	LC 1-4
8	RC1	7	0.000	Max M _y	-115.76	-2.28	42.88	-0.28	▷ 10.57	1.96	LC 1-5
				Min M _y	-111.99	2.54	-24.07	0.48	▷ -6.13	-2.45	LC 1-4
				Max M _z	-111.71	-13.34	15.94	-0.76	3.88	▷ 10.91	LC 1-4
				Min M _z	-116.04	13.60	2.87	0.95	0.56	▷ -11.39	LC 1-5
		10	3.650	Max N	▷ -325.71	-3.63	15.87	0.33	-19.82	-5.17	CO 14
				Min N	▷ -410.14	-2.37	18.42	0.31	-22.91	-2.15	CO 5
				Max V _y	▷ -376.66	-1.89	18.19	0.32	-22.61	-1.58	CO 1
				Min V _y	▷ -358.89	-4.11	16.03	0.33	-20.01	-5.74	CO 12
				Max V _z	▷ -408.50	-4.00	▷ 18.69	0.36	-23.54	-5.28	CO 6
				Min V _z	▷ -327.35	-2.00	▷ 15.61	0.29	-19.19	-2.04	CO 13
				Max M _T	▷ -375.02	-3.52	18.45	▷ 0.36	-23.24	-4.71	CO 2
				Min M _T	-360.53	-2.48	15.76	▷ 0.28	-19.38	-2.61	CO 11
				Max M _y	-327.35	-2.00	15.61	0.29	▷ -19.19	-2.04	CO 13
				Min M _y	-408.50	-4.00	18.69	0.36	▷ -23.54	-5.28	CO 6
				Max M _z	-376.66	-1.89	18.19	0.32	-22.61	▷ -1.58	CO 1
				Min M _z	-358.89	-4.11	16.03	0.33	-20.01	▷ -5.74	CO 12
	RC2	7	0.000	Max N	▷ -311.23	-3.60	15.49	0.33	38.17	8.13	CO 14
				Min N	▷ -395.67	-2.30	17.86	0.31	44.39	6.45	CO 5
				Max V _y	▷ -362.19	-1.84	17.68	0.32	43.83	5.28	CO 1
				Min V _y	▷ -344.41	-4.07	15.61	0.32	38.54	9.31	CO 12
				Max V _z	▷ -394.03	-3.94	▷ 18.13	0.35	44.75	9.33	CO 6
				Min V _z	▷ -312.88	-1.96	▷ 15.22	0.29	37.80	5.25	CO 13
				Max M _T	-360.55	-3.47	17.95	▷ 0.36	44.20	8.16	CO 2
				Min M _T	-346.06	-2.43	15.33	▷ 0.28	38.18	6.42	CO 11
				Max M _y	-394.03	-3.94	18.13	0.35	▷ 44.75	9.33	CO 6
				Min M _y	-312.88	-1.96	15.22	0.29	▷ 37.80	5.25	CO 13
				Max M _z	-393.73	-3.94	18.06	0.35	44.57	▷ 9.34	CO 4
				Min M _z	-312.88	-1.96	15.22	0.29	▷ 37.80	5.25	CO 13
		10	3.650	Max N	▷ -232.79	-2.51	11.05	0.23	-13.78	-3.54	CO 28
				Min N	▷ -295.21	-1.69	12.96	0.22	-16.11	-1.55	CO 19
				Max V _y	▷ -270.42	-1.34	12.78	0.23	-15.89	-1.12	CO 15
				Min V _y	▷ -257.37	-2.86	11.16	0.23	-13.92	-3.97	CO 26
				Max V _z	▷ -294.11	-2.78	▷ 13.13	0.25	-16.53	-3.63	CO 20
				Min V _z	▷ -233.89	-1.42	▷ 10.87	0.21	-13.36	-1.46	CO 27
				Max M _T	-269.32	-2.43	12.96	▷ 0.26	-16.31	-3.21	CO 16
				Min M _T	-258.47	-1.77	10.98	▷ 0.20	-13.50	-1.88	CO 25
	RC6	7	0.000	Max M _y	-233.89	-1.42	10.87	0.21	▷ -13.36	-1.46	CO 27
				Min M _y	-294.11	-2.78	13.13	0.25	▷ -16.53	-3.63	CO 20
				Max M _z	-270.42	-1.34	12.78	0.23	▷ -15.89	-1.12	CO 15
				Min M _z	-257.37	-2.86	11.16	0.23	▷ -13.92	-3.97	CO 26
				Max N	▷ -222.06	-2.49	10.86	0.23	26.57	5.63	CO 28
				Min N	▷ -284.49	-1.66	12.67	0.22	31.21	4.61	CO 19
				Max V _y	▷ -259.69	-1.31	12.53	0.23	30.80	3.74	CO 15
				Min V _y	▷ -246.64	-2.84	10.95	0.23	26.85	6.50	CO 26
				Max V _z	▷ -283.39	-2.75	▷ 12.86	0.25	31.46	6.53	CO 20
				Min V _z	▷ -223.16	-1.40	▷ 10.68	0.20	26.33	3.72	CO 27
				Max M _T	-258.59	-2.40	12.71	▷ 0.25	31.04	5.66	CO 16
				Min M _T	-247.74	-1.75	10.77	▷ 0.20	26.61	4.59	CO 25
				Max M _y	-283.39	-2.75	12.86	0.25	▷ 31.46	6.53	CO 20
				Min M _y	-223.16	-1.40	10.68	0.20	▷ 26.33	3.72	CO 27
				Max M _z	-283.17	-2.75	12.80	0.25	▷ 31.32	6.53	CO 18
				Min M _z	-223.16	-1.40	10.68	0.20	▷ 26.33	3.72	CO 27
		7	0.000	Max N	▷ -208.37	-27.10	5.93	0.69	-6.69	-50.14	LC 1-4
				Min N	▷ -248.04	24.61	9.49	-0.39	-12.87	47.69	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
8	RC6	10	3.650	Max V _y	-225.95	▷ 27.53	4.48	-0.78	-3.27	53.09	LC 1-4
				Min V _y	-230.46	▷ -30.01	10.93	1.07	-16.28	-55.53	LC 1-5
				Max V _z	-243.84	▷ -7.36	▷ 17.77	1.09	-32.31	-13.00	LC 1-5
				Min V _z	-212.57	4.88	▷ -2.35	-0.80	12.75	10.56	LC 1-4
				Max M _T	-240.37	-12.93	16.15	▷ 1.29	-28.52	-23.50	LC 1-5
				Min M _T	-216.04	10.45	-0.73	▷ -1.00	8.96	21.05	LC 1-4
				Max M _y	-212.53	4.88	-2.35	-0.80	▷ 12.76	10.56	LC 1-4
				Min M _y	-243.88	-7.36	▷ 17.77	1.09	▷ -32.32	-13.00	LC 1-5
				Max M _z	-225.91	27.53	4.44	-0.78	-3.16	53.09	LC 1-4
				Min M _z	-230.50	-30.01	10.98	1.07	-16.40	-55.53	LC 1-5
				Max N	-197.63	-25.95	6.02	0.69	15.06	47.44	LC 1-4
				Min N	-237.31	23.47	9.40	-0.39	21.66	-40.83	LC 1-5
				Max V _y	-215.22	▷ 26.21	4.73	-0.77	13.37	-45.86	LC 1-4
				Min V _y	-219.71	▷ -28.69	10.69	1.07	23.35	52.47	LC 1-5
				Max V _z	-233.16	-7.10	▷ 16.72	1.09	31.36	13.57	LC 1-5
				Min V _z	-201.78	4.61	▷ -1.30	-0.80	5.36	-6.96	LC 1-4
				Max M _T	-229.63	-12.33	15.32	▷ 1.29	29.52	23.01	LC 1-5
				Min M _T	-205.30	9.84	0.10	▷ -1.00	7.20	-16.40	LC 1-4
				Max M _y	-233.08	-7.09	16.70	1.09	31.39	13.56	LC 1-5
				Min M _y	-201.86	4.61	-1.28	-0.80	5.33	-6.95	LC 1-4
				Max M _z	-219.68	-28.68	10.64	1.06	23.29	52.47	LC 1-5
				Min M _z	-215.26	26.20	4.78	-0.77	13.43	-45.87	LC 1-4
31	RC1	37	0.000	Max N	▷ -44.01	-0.23	0.00	-0.00	-0.00	-0.00	CO 13
				Min N	▷ -54.80	-0.21	0.00	-0.01	-0.00	-0.00	CO 6
				Max V _y	▷ -53.96	-0.19	0.00	-0.01	-0.00	0.01	CO 5
				Min V _y	▷ -44.86	-0.24	0.00	-0.00	-0.00	-0.01	CO 14
				Max V _z	▷ -54.80	-0.21	0.00	-0.01	-0.00	-0.00	CO 6
				Min V _z	▷ -44.01	-0.23	0.00	-0.00	-0.00	-0.00	CO 13
				Max M _T	▷ -50.48	-0.22	0.00	-0.00	-0.00	-0.01	CO 10
				Min M _T	▷ -48.26	-0.22	0.00	-0.01	-0.00	0.00	CO 7
				Max M _y	▷ -44.01	-0.23	0.00	-0.00	-0.00	-0.00	CO 13
				Min M _y	▷ -54.80	-0.21	0.00	-0.01	-0.00	-0.00	CO 6
				Max M _z	▷ -53.96	-0.19	0.00	-0.01	-0.00	0.01	CO 5
				Min M _z	▷ -44.86	-0.24	0.00	-0.00	-0.00	-0.01	CO 14
		38	3.000	Max N	▷ -81.75	-1.15	-9.39	0.15	-2.24	0.98	CO 13
				Min N	▷ -108.70	-0.99	-12.23	0.14	-2.94	0.82	CO 6
				Max V _y	▷ -83.12	-0.69	-10.32	0.12	-2.48	0.51	CO 14
				Min V _y	▷ -107.12	-1.45	-11.26	0.17	-2.70	1.29	CO 3
				Max V _z	▷ -94.86	-1.31	-9.03	0.14	-2.16	1.13	CO 9
				Min V _z	▷ -95.38	-0.83	-12.55	0.14	-3.02	0.66	CO 8
				Max M _T	▷ -107.33	-1.44	-11.30	0.17	-2.71	1.29	CO 5
				Min M _T	▷ -96.23	-0.86	-9.96	0.12	-2.39	0.67	CO 10
				Max M _y	▷ -94.86	-1.31	-9.03	0.14	-2.16	1.13	CO 9
				Min M _y	▷ -95.38	-0.83	-12.55	0.14	-3.02	0.66	CO 8
				Max M _z	▷ -107.12	-1.45	-11.26	0.17	-2.70	1.29	CO 3
				Min M _z	▷ -83.12	-0.69	-10.32	0.12	-2.48	0.51	CO 14
	RC2	37	0.000	Max N	▷ -31.76	-0.16	0.00	-0.00	-0.00	-0.00	CO 27
				Min N	▷ -39.69	-0.15	0.00	-0.00	-0.00	0.00	CO 20
				Max V _y	▷ -39.13	-0.14	0.00	-0.00	-0.00	0.01	CO 19
				Min V _y	▷ -32.32	-0.17	0.00	-0.00	-0.00	-0.01	CO 28
				Max V _z	▷ -39.69	-0.15	0.00	-0.00	-0.00	0.00	CO 20
				Min V _z	▷ -31.76	-0.16	0.00	-0.00	-0.00	-0.00	CO 27
				Max M _T	▷ -36.49	-0.15	0.00	-0.00	-0.00	-0.00	CO 24
				Min M _T	▷ -34.91	-0.16	0.00	-0.00	-0.00	0.00	CO 21
				Max M _y	▷ -31.76	-0.16	0.00	-0.00	-0.00	-0.00	CO 27
				Min M _y	▷ -39.69	-0.15	0.00	-0.00	-0.00	0.00	CO 20
				Max M _z	▷ -39.13	-0.14	0.00	-0.00	-0.00	0.01	CO 19
				Min M _z	▷ -32.32	-0.17	0.00	-0.00	-0.00	-0.01	CO 28
		38	3.000	Max N	▷ -58.75	-0.81	-6.63	0.10	-1.59	0.69	CO 27
				Min N	▷ -78.62	-0.73	-8.66	0.10	-2.09	0.61	CO 20
				Max V _y	▷ -59.66	-0.51	-7.25	0.08	-1.74	0.38	CO 28
				Min V _y	▷ -77.55	-1.04	-8.01	0.12	-1.92	0.92	CO 17
				Max V _z	▷ -68.47	-0.94	-6.36	0.10	-1.52	0.81	CO 23
				Min V _z	▷ -68.74	-0.61	-8.90	0.10	-2.14	0.49	CO 22
				Max M _T	▷ -77.70	-1.03	-8.04	0.12	-1.93	0.92	CO 19
				Min M _T	▷ -69.38	-0.63	-6.98	0.08	-1.68	0.50	CO 24
				Max M _y	▷ -68.47	-0.94	-6.36	0.10	-1.52	0.81	CO 23
				Min M _y	▷ -68.74	-0.61	-8.90	0.10	-2.14	0.49	CO 22
				Max M _z	▷ -77.55	-1.04	-8.01	0.12	-1.92	0.92	CO 17
				Min M _z	▷ -59.66	-0.51	-7.25	0.08	-1.74	0.38	CO 28
	RC6	37	0.000	Max N	▷ -13.99	0.07	0.00	-0.00	-0.00	0.13	LC 1-4
				Min N	▷ -51.29	-0.26	0.00	-0.00	-0.00	-0.11	LC 1-5
				Max V _y	▷ -15.58	0.08	0.00	-0.00	-0.00	0.12	LC 1-4
				Min V _y	▷ -49.70	-0.27	0.00	-0.00	-0.00	-0.10	LC 1-5
				Max V _z	▷ -51.26	-0.27	0.00	-0.00	-0.00	-0.11	LC 1-5
				Min V _z	▷ -14.02	0.08	0.00	-0.00	-0.00	0.13	LC 1-4
				Max M _T	▷ -43.13	-0.22	0.00	-0.00	-0.00	-0.07	LC 1-4
				Min M _T	▷ -22.15	0.03	0.00	-0.00	-0.00	0.08	LC 1-5
				Max M _y	▷ -14.01	0.07	0.00	-0.00	-0.00	0.13	LC 1-4
				Min M _y	▷ -51.28	-0.26	0.00	-0.00	-0.00	-0.11	LC 1-5
				Max M _z	▷ -14.48	0.01	0.00	-0.00	-0.00	0.13	LC 1-4
				Min M _z	▷ -50.80	-0.20	0.00	-0.00	-0.00	-0.11	LC 1-5
		38	3.000	Max N	▷ -21.82	-7.97	-33.32	0.77	-8.28	8.08	LC 1-4
				Min N	▷ -105.59	6.44	22.12	-0.60	5.58	-6.72	LC 1-5
				Max V _y	▷ -97.23	8.07	-2.20	-0.50	-0.52	-8.11	LC 1-4
				Min V _y	▷ -30.18	-9.60	-9.00	0.67	-2.18	9.46	LC 1-5
				Max V _z	▷ -88.47	2.77	29.73	-0.41	7.47	-3.14	LC 1-4
				Min V _z	▷ -38.93	-4.31	-40.93	0.57	-10.18	4.50	LC 1-5
				Max M _T	▷ -26.75	-8.06	-33.38	▷ 0.79	-8.29	8.16	LC 1-5
				Min M _T	▷ -100.66	6.52	22.18	▷ -0.63	5.58	-6.80	LC 1-4
				Max M _y	▷ -88.44	2.76	29.73	▷ -0.41	7.47	-3.14	LC 1-4
				Min M _y	▷ -38.97	-4.30	-40.93	▷ 0.57	-10.18	4.49	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member				Node				Location				Forces [kN]				Moments [kNm]				Corresponding	
No.	RC	No.	x [m]		N	V _y	V _z	M _T	M _y	M _z								Load Cases			
31	RC6				Max M _z	-30.12	-9.60	-9.23	0.67	-2.24	9.46	LC 1-5									
					Min M _z	-97.29	8.06	-1.97	-0.50	-0.46	-8.11	LC 1-4									
32	RC1	38	0.000		Max N	-159.44	3.23	-4.70	0.28	6.32	4.35	CO 13									
					Min N	-212.10	3.02	-4.91	0.29	6.13	3.33	CO 6									
					Max V _y	-208.84	4.38	-5.18	0.30	6.77	5.90	CO 5									
					Min V _y	-162.69	1.87	-4.42	0.27	5.69	1.79	CO 14									
					Max V _z	-162.69	1.87	-4.42	0.27	5.69	1.79	CO 14									
					Min V _z	-208.84	4.38	-5.18	0.30	6.77	5.90	CO 5									
					Max M _T	-183.72	3.77	-5.12	0.31	6.69	5.17	CO 7									
					Min M _T	-187.39	2.48	-4.44	0.25	5.72	2.52	CO 10									
					Max M _y	-208.84	4.38	-5.18	0.30	6.77	5.90	CO 5									
					Min M _y	-162.69	1.87	-4.42	0.27	5.69	1.79	CO 14									
					Max M _z	-208.84	4.38	-5.18	0.30	6.77	5.90	CO 5									
					Min M _z	-162.69	1.87	-4.42	0.27	5.69	1.79	CO 14									
		39	3.650		Max N	-144.94	3.21	-4.66	0.28	-10.86	-7.45	CO 13									
					Min N	-197.60	2.99	-4.83	0.29	-11.79	-7.67	CO 6									
					Max V _y	-194.35	4.35	-5.12	0.29	-12.18	-10.11	CO 5									
					Min V _y	-148.20	1.85	-4.38	0.27	-10.47	-5.02	CO 14									
					Max V _z	-148.20	1.85	-4.38	0.27	-10.47	-5.02	CO 14									
					Min V _z	-194.35	4.35	-5.12	0.29	-12.18	-10.11	CO 5									
					Max M _T	-169.22	3.75	-5.06	0.31	-12.02	-8.60	CO 7									
					Min M _T	-172.90	2.45	-4.39	0.25	-10.52	-6.51	CO 10									
					Max M _y	-148.20	1.85	-4.38	0.27	-10.47	-5.02	CO 14									
					Min M _y	-194.35	4.35	-5.12	0.29	-12.18	-10.11	CO 5									
					Max M _z	-148.20	1.85	-4.38	0.27	-10.47	-5.02	CO 14									
					Min M _z	-194.35	4.35	-5.12	0.29	-12.18	-10.11	CO 5									
	RC2	38	0.000		Max N	-114.83	2.28	-3.27	0.20	4.39	3.07	CO 27									
					Min N	-153.59	2.22	-3.45	0.20	4.30	2.51	CO 20									
					Max V _y	-151.42	3.13	-3.63	0.21	4.72	4.21	CO 19									
					Min V _y	-116.99	1.37	-3.09	0.19	3.97	1.37	CO 28									
					Max V _z	-116.99	1.37	-3.09	0.19	3.97	1.37	CO 28									
					Min V _z	-151.42	3.13	-3.63	0.21	4.72	4.21	CO 19									
					Max M _T	-132.81	2.68	-3.58	0.22	4.66	3.67	CO 21									
					Min M _T	-135.29	1.82	-3.10	0.18	3.99	1.91	CO 24									
					Max M _y	-151.42	3.13	-3.63	0.21	4.72	4.21	CO 19									
					Min M _y	-116.99	1.37	-3.09	0.19	3.97	1.37	CO 28									
					Max M _z	-151.42	3.13	-3.63	0.21	4.72	4.21	CO 19									
					Min M _z	-116.99	1.37	-3.09	0.19	3.97	1.37	CO 28									
		39	3.650		Max N	-104.09	2.27	-3.25	0.20	-7.57	-5.25	CO 27									
					Min N	-142.85	2.21	-3.41	0.20	-8.29	-5.60	CO 20									
					Max V _y	-140.69	3.12	-3.60	0.21	-8.55	-7.22	CO 19									
					Min V _y	-106.26	1.36	-3.06	0.19	-7.31	-3.64	CO 28									
					Max V _z	-106.26	1.36	-3.06	0.19	-7.31	-3.64	CO 28									
					Min V _z	-140.69	3.12	-3.60	0.21	-8.55	-7.22	CO 19									
					Max M _T	-122.07	2.67	-3.55	0.22	-8.43	-6.11	CO 21									
					Min M _T	-124.55	1.81	-3.08	0.18	-7.35	-4.74	CO 24									
					Max M _y	-106.26	1.36	-3.06	0.19	-7.31	-3.64	CO 28									
					Min M _y	-140.69	3.12	-3.60	0.21	-8.55	-7.22	CO 19									
					Max M _z	-106.26	1.36	-3.06	0.19	-7.31	-3.64	CO 28									
					Min M _z	-140.69	3.12	-3.60	0.21	-8.55	-7.22	CO 19									
	RC6	38	0.000		Max N	-37.32	23.92	6.43	1.03	-16.23	43.67	LC 1-4									
					Min N	-214.56	-19.35	-10.43	-0.75	21.04	-37.46	LC 1-5									
					Max V _y	-50.18	27.70	-1.42	0.45	1.05	50.63	LC 1-5									
					Min V _y	-201.70	-23.12	-2.58	-0.17	3.76	-44.42	LC 1-4									
					Max V _z	-67.63	13.16	8.53	1.01	-20.97	23.44	LC 1-4									
					Min V _z	-184.25	-8.58	-12.52	-0.73	25.78	-17.23	LC 1-5									
					Max M _T	-63.08	18.02	6.56	1.18	-17.04	32.42	LC 1-5									
					Min M _T	-188.80	-13.44	-10.56	-0.90	21.85	-26.21	LC 1-4									
					Max M _y	-184.08	-8.46	-12.52	-0.72	25.79	-17.02	LC 1-5									
					Min M _y	-67.80	13.04	8.52	1.00	-20.98	23.23	LC 1-4									
					Max M _z	-50.15	27.70	-1.42	0.45	1.07	50.64	LC 1-5									
					Min M _z	-201.73	-23.12	-2.57	-0.17	3.75	-44.43	LC 1-4									
		39	3.650		Max N	-26.58	22.93	5.60	1.03	6.32	-42.50	LC 1-4									
					Min N	-203.82	-18.35	-9.59	-0.75	-16.10	32.00	LC 1-5									
					Max V _y	-39.35	26.56	-1.50	0.45	-4.21	-49.14	LC 1-5									
					Min V _y	-191.05	-21.98	-2.50	-0.17	-5.57	38.64	LC 1-4									
					Max V _z	-56.46	12.68	7.42	1.01	8.89	-24.04	LC 1-4									
					Min V _z	-173.95	-8.10	-11.41	-0.73	-18.66	13.53	LC 1-5									
					Max M _T	-52.34	17.25	5.63	1.18	5.89	-32.46	LC 1-5									
					Min M _T	-178.06	-12.67	-9.63	-0.90	-15.67	21.96	LC 1-4									
					Max M _y	-56.17	12.86	7.40	1.01	8.91	-24.39	LC 1-4									
					Min M _y	-174.23	-8.29	-11.40	-0.73	-18.68	13.89	LC 1-5									
					Max M _z	-191.00	-21.98	-2.50	-0.17	-5.57	38.64	LC 1-4									
					Min M _z	-39.41	26.55	-1.49	0.45	-4.20	-49.15	LC 1-5									
33	RC1	40	0.000		Max N	-626.37	2.89	-5.63	0.19	5.34	2.59	CO 9									
					Min N	-737.59	3.74	-6.70	0.22	6.35	3.33	CO 6									
					Max V _y	-730.75	3.85	-6.69	0.22	6.34	3.43	CO 8									
					Min V _y	-626.37	2.89	-5.63	0.19	5.34	2.59	CO 9									
					Max V _z	-626.37	2.89	-5.63	0.19	5.34	2.59	CO 9									
					Min V _z	-737.59	3.74	-6.70	0.22	6.35	3.33	CO 6									
					Max M _T	-730.75	3.85	-6.69	0.22	6.34	3.43	CO 8									
					Min M _T	-626.37	2.89	-5.63	0.19	5.34	2.59	CO 9									
					Max M _y	-737.59	3.74	-6.70	0.22	6.35	3.33	CO 6									
					Min M _y	-626.37	2.89	-5.63	0.19	5.34	2.59	CO 9									
					Max M _z	-730.75	3.85	-6.69	0.22	6.34	3.43	CO 8									
					Min M _z	-626.37	2.89	-5.63	0.19	5.34	2.59	CO 9									
		41	3.000		Max N	-614.46	2.83	-5.42	0.19	-11.53	-6.08	CO 9									
					Min N	-725.68	3.64	-6.41	0.22	-13.71	-7.87	CO 6									
					Max V _y	-718.84	3.75	-6.40	0.22	-13.68	-8.11	CO 8									
					Min V _y	-614.46	2.83	-5.42	0.19	-11.53	-6.08	CO 9									
					Max V _z	-614.46	2.83	-5.42	0.19	-11.53	-6.08	CO 9									
					Min V _z	-725.68	3.64	-6.41	0.22	-13.71	-7.87	CO 6									



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases		
				N	V _y	V _z	M _T	M _y	M _z				
33	RC1			Max M _T	-718.84	3.75	-6.40	▷	0.22	-13.68	-8.11	CO 8	
				Min M _T	-614.46	2.83	-5.42	▷	0.19	-11.53	-6.08	CO 9	
				Max M _y	-614.46	2.83	-5.42	▷	0.19	-11.53	-6.08	CO 9	
				Min M _y	-725.68	3.64	-6.41	▷	0.22	-13.71	-7.87	CO 6	
				Max M _z	-614.46	2.83	-5.42	▷	0.19	-11.53	-6.08	CO 9	
				Min M _z	-718.84	3.75	-6.40	▷	0.22	-13.68	-8.11	CO 8	
	RC2	40	0.000	Max N	▷	-444.98	2.03	-3.95	0.13	3.74	1.81	CO 23	
				Min N	▷	-527.20	2.64	-4.74	0.16	4.48	2.35	CO 20	
				Max V _y	▷	-522.13	2.73	-4.73	0.16	4.47	2.43	CO 22	
				Min V _y	▷	-444.98	2.03	-3.95	0.13	3.74	1.81	CO 23	
				Max V _z	▷	-444.98	2.03	-3.95	0.13	3.74	1.81	CO 23	
				Min V _z	▷	-527.20	2.64	-4.74	0.16	4.48	2.35	CO 20	
				Max M _T	▷	-522.13	2.73	-4.73	0.16	4.47	2.43	CO 22	
				Min M _T	▷	-444.98	2.03	-3.95	0.13	3.74	1.81	CO 23	
				Max M _y	▷	-527.20	2.64	-4.74	0.16	4.48	2.35	CO 20	
				Min M _y	▷	-444.98	2.03	-3.95	0.13	3.74	1.81	CO 23	
				Max M _z	▷	-522.13	2.73	-4.73	0.16	4.47	2.43	CO 22	
				Min M _z	▷	-444.98	2.03	-3.95	0.13	3.74	1.81	CO 23	
				Max N	▷	-436.16	1.99	-3.85	0.13	-8.10	-4.26	CO 23	
				Min N	▷	-518.38	2.59	-4.59	0.16	-9.71	-5.57	CO 20	
				Max V _y	▷	-513.31	2.67	-4.58	0.16	-9.69	-5.74	CO 22	
				Min V _y	▷	-436.16	1.99	-3.85	0.13	-8.10	-4.26	CO 23	
				Max V _z	▷	-436.16	1.99	-3.85	0.13	-8.10	-4.26	CO 23	
				Min V _z	▷	-518.38	2.59	-4.59	0.16	-9.71	-5.57	CO 20	
	Max M _T	▷	-513.31	2.67	-4.58	0.16	-9.69	-5.74	CO 22				
	Min M _T	▷	-436.16	1.99	-3.85	0.13	-8.10	-4.26	CO 23				
	Max M _y	▷	-436.16	1.99	-3.85	0.13	-8.10	-4.26	CO 23				
	Min M _y	▷	-518.38	2.59	-4.59	0.16	-9.71	-5.57	CO 20				
	Max M _z	▷	-436.16	1.99	-3.85	0.13	-8.10	-4.26	CO 23				
	Min M _z	▷	-513.31	2.67	-4.58	0.16	-9.69	-5.74	CO 22				
	RC6	40	0.000	Max N	▷	-325.53	-0.93	-0.98	0.08	0.97	-0.66	LC 1-4	
				Min N	▷	-433.27	4.25	-5.08	0.12	4.74	3.61	LC 1-5	
				Max V _y	▷	-427.49	4.88	-3.34	0.11	3.14	4.11	LC 1-5	
				Min V _y	▷	-331.31	-1.56	-2.72	0.09	2.56	-1.15	LC 1-4	
				Max V _z	▷	-338.09	2.09	0.77	0.07	-0.64	1.79	LC 1-4	
				Min V _z	▷	-420.71	1.22	-6.83	0.12	6.35	1.17	LC 1-5	
				Max M _T	▷	-414.41	1.41	-5.68	0.13	5.29	1.31	LC 1-5	
				Min M _T	▷	-344.39	1.90	-0.38	0.07	0.41	1.64	LC 1-4	
				Max M _y	▷	-420.71	1.22	-6.83	0.12	6.35	1.17	LC 1-5	
				Min M _y	▷	-338.09	2.09	0.77	0.07	-0.64	1.79	LC 1-4	
				Max M _z	▷	-427.56	4.87	-3.35	0.11	3.15	4.11	LC 1-5	
				Min M _z	▷	-331.24	-1.56	-2.71	0.09	2.55	-1.15	LC 1-4	
				Max N	▷	-316.71	-0.92	-1.00	0.08	-2.01	2.13	LC 1-4	
				Min N	▷	-424.44	4.23	-5.06	0.12	-10.47	-9.11	LC 1-5	
				Max V _y	▷	-418.66	4.86	-3.34	0.11	-6.87	-10.49	LC 1-5	
				Min V _y	▷	-322.49	-1.55	-2.72	0.09	-5.60	3.51	LC 1-4	
				Max V _z	▷	-329.25	2.09	0.73	0.07	1.62	-4.48	LC 1-4	
				Min V _z	▷	-411.90	1.22	-6.79	0.12	-14.09	-2.50	LC 1-5	
				Max M _T	▷	-405.58	1.41	-5.65	0.13	-11.71	-2.92	LC 1-5	
				Min M _T	▷	-335.57	1.90	-0.41	0.07	-0.76	-4.06	LC 1-4	
				Max M _y	▷	-329.26	2.09	0.73	0.07	1.62	-4.48	LC 1-4	
				Min M _y	▷	-411.90	1.22	-6.79	0.12	-14.09	-2.50	LC 1-5	
				Max M _z	▷	-322.51	-1.55	-2.72	0.09	-5.61	3.51	LC 1-4	
				Min M _z	▷	-418.64	4.86	-3.33	0.11	-6.86	-10.49	LC 1-5	
	34	RC1	41	0.000	Max N	▷	-352.72	6.64	-6.18	0.05	12.89	11.19	CO 9
					Min N	▷	-416.25	6.71	-6.72	0.06	13.99	11.21	CO 6
Max V _y					▷	-410.41	8.36	-7.08	0.06	14.65	14.24	CO 7	
Min V _y					▷	-353.73	5.20	-5.87	0.06	12.28	8.51	CO 10	
Max V _z					▷	-353.73	5.20	-5.87	0.06	12.28	8.51	CO 10	
Min V _z					▷	-410.41	8.36	-7.08	0.06	14.65	14.24	CO 7	
Max M _T					▷	-359.00	5.73	-6.03	0.07	12.53	9.41	CO 14	
Min M _T					▷	-405.14	7.83	-6.92	0.04	14.39	13.34	CO 3	
Max M _y					▷	-410.41	8.36	-7.08	0.06	14.65	14.24	CO 7	
Min M _y					▷	-353.73	5.20	-5.87	0.06	12.28	8.51	CO 10	
		42	3.650	Max M _z	▷	-410.41	8.36	-7.08	0.06	14.65	14.24	CO 7	
				Min M _z	▷	-353.73	5.20	-5.87	0.06	12.28	8.51	CO 10	
				Max N	▷	-338.22	6.62	-6.25	0.04	-10.11	-13.20	CO 9	
				Min N	▷	-401.75	6.68	-6.80	0.05	-11.11	-13.45	CO 6	
				Max V _y	▷	-395.91	8.33	-7.16	0.05	-11.77	-16.51	CO 7	
				Min V _y	▷	-339.23	5.18	-5.94	0.06	-9.59	-10.60	CO 10	
				Max V _z	▷	-339.23	5.18	-5.94	0.06	-9.59	-10.60	CO 10	
				Min V _z	▷	-395.91	8.33	-7.16	0.05	-11.77	-16.51	CO 7	
				Max M _T	▷	-344.50	5.71	-6.10	0.07	-9.93	-11.64	CO 14	
				Min M _T	▷	-390.64	7.81	-7.00	0.04	-11.43	-15.47	CO 3	
RC2		41	0.000	Max M _y	▷	-339.23	5.18	-5.94	0.06	-9.59	-10.60	CO 10	
				Min M _y	▷	-395.91	8.33	-7.16	0.05	-11.77	-16.51	CO 7	
				Max M _z	▷	-339.23	5.18	-5.94	0.06	-9.59	-10.60	CO 10	
				Min M _z	▷	-395.91	8.33	-7.16	0.05	-11.77	-16.51	CO 7	
				Max N	▷	-252.64	4.66	-4.34	0.03	9.01	7.83	CO 23	
				Min N	▷	-299.61	4.82	-4.77	0.04	9.87	8.05	CO 20	
				Max V _y	▷	-295.36	5.94	-5.01	0.04	10.31	10.10	CO 21	
				Min V _y	▷	-253.31	3.70	-4.13	0.04	8.60	6.05	CO 24	
				Max V _z	▷	-253.31	3.70	-4.13	0.04	8.60	6.05	CO 24	
				Min V _z	▷	-295.36	5.94	-5.01	0.04	10.31	10.10	CO 21	
	42	3.650	Max M _T	▷	-257.21	4.09	-4.25	0.05	8.79	6.72	CO 28		
			Min M _T	▷	-291.46	5.55	-4.89	0.03	10.12	9.43	CO 17		
			Max M _y	▷	-295.36	5.94	-5.01	0.04	10.31	10.10	CO 21		
			Min M _y	▷	-253.31	3.70	-4.13	0.04	8.60	6.05	CO 24		
			Max M _z	▷	-295.36	5.94	-5.01	0.04	10.31	10.10	CO 21		
			Min M _z	▷	-253.31	3.70	-4.13	0.04	8.60	6.05	CO 24		
			Max N	▷	-241.90	4.65	-4.37	0.03	-7.05	-9.24	CO 23		
			Min N	▷	-288.88	4.80	-4.81	0.04	-7.83	-9.62	CO 20		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
34	RC2			Max V _y	-284.62	5.92	-5.05	0.04	-8.28	-11.69	CO 21
				Min V _y	-242.57	3.69	-4.17	0.04	-6.70	-7.51	CO 24
				Max V _z	-242.57	3.69	-4.17	0.04	-6.70	-7.51	CO 24
				Min V _z	-284.62	5.92	-5.05	0.04	-8.28	-11.69	CO 21
				Max M _T	-246.47	4.08	-4.28	0.05	-6.95	-8.28	CO 28
				Min M _T	-280.72	5.53	-4.94	0.03	-8.03	-10.92	CO 17
				Max M _y	-242.57	3.69	-4.17	0.04	-6.70	-7.51	CO 24
				Min M _y	-284.62	5.92	-5.05	0.04	-8.28	-11.69	CO 21
				Max M _z	-242.57	3.69	-4.17	0.04	-6.70	-7.51	CO 24
				Min M _z	-284.62	5.92	-5.05	0.04	-8.28	-11.69	CO 21
	RC6	41	0.000	Max N	-193.68	22.16	-8.02	-0.46	15.87	40.53	LC 1-4
				Min N	-269.78	-14.67	2.10	0.51	-3.75	-27.74	LC 1-5
				Max V _y	-222.13	28.79	-2.87	-0.06	5.88	52.58	LC 1-5
				Min V _y	-241.33	-21.30	-3.05	0.11	6.23	-39.78	LC 1-4
				Max V _z	-236.94	9.45	8.46	0.80	-16.19	16.90	LC 1-4
				Min V _z	-226.52	-1.96	-14.38	-0.76	28.31	-4.10	LC 1-5
				Max M _T	-257.24	8.48	6.41	0.92	-12.14	14.99	LC 1-5
				Min M _T	-206.22	-0.98	-12.33	-0.88	24.26	-2.19	LC 1-4
				Max M _y	-226.49	-1.98	-14.38	-0.76	28.31	-4.14	LC 1-5
				Min M _y	-236.97	9.47	8.46	0.80	-16.20	16.94	LC 1-4
				Max M _z	-222.11	28.79	-2.88	-0.06	5.90	52.58	LC 1-5
				Min M _z	-241.36	-21.30	-3.04	0.11	6.22	-39.78	LC 1-4
		42	3.650	Max N	-182.94	21.29	-7.45	-0.46	-12.73	-39.34	LC 1-4
				Min N	-259.04	-13.80	1.53	0.51	3.24	24.79	LC 1-5
				Max V _y	-211.37	27.63	-2.92	-0.06	-4.65	-51.14	LC 1-5
				Min V _y	-230.61	-20.14	-3.00	0.11	-4.84	36.60	LC 1-4
				Max V _z	-226.29	9.17	7.25	0.80	13.25	-17.27	LC 1-4
				Min V _z	-215.70	-1.68	-13.17	-0.76	-22.74	2.72	LC 1-5
				Max M _T	-246.50	8.23	5.36	0.92	10.02	-15.66	LC 1-5
				Min M _T	-195.48	-0.74	-11.28	-0.88	-19.52	1.11	LC 1-4
				Max M _y	-226.24	9.14	7.24	0.81	13.26	-17.22	LC 1-4
				Min M _y	-215.75	-1.65	-13.16	-0.76	-22.76	2.68	LC 1-5
				Max M _z	-230.59	-20.13	-3.01	0.11	-4.86	36.60	LC 1-4
				Min M _z	-211.40	27.63	-2.91	-0.06	-4.64	-51.15	LC 1-5
66	RC1	10	0.000	Max N	-111.50	-6.57	22.41	0.01	-45.73	-12.79	CO 10
				Min N	-135.56	-5.04	24.86	-0.05	-51.68	-9.64	CO 7
				Max V _y	-113.37	-4.66	22.27	-0.01	-45.40	-9.14	CO 13
				Min V _y	-133.70	-6.95	25.06	-0.03	-52.17	-13.31	CO 6
				Max V _z	-133.70	-6.95	25.06	-0.03	-52.17	-13.31	CO 6
				Min V _z	-112.61	-5.19	22.25	0.01	-45.46	-10.41	CO 9
				Max M _T	-112.61	-5.20	22.31	0.01	-45.61	-10.42	CO 11
				Min M _T	-134.45	-6.41	24.96	-0.05	-51.80	-12.01	CO 2
				Max M _y	-113.37	-4.66	22.27	-0.01	-45.40	-9.14	CO 13
				Min M _y	-133.70	-6.95	25.06	-0.03	-52.17	-13.31	CO 6
				Max M _z	-113.37	-4.66	22.27	-0.01	-45.40	-9.14	CO 13
				Min M _z	-133.70	-6.95	25.06	-0.03	-52.17	-13.31	CO 6
		68	3.650	Max N	-96.99	-6.58	22.49	-0.01	36.57	11.27	CO 10
				Min N	-121.05	-5.04	24.97	-0.06	39.73	8.80	CO 7
				Max V _y	-98.86	-4.67	22.34	-0.02	36.37	7.94	CO 13
				Min V _y	-119.18	-6.96	25.18	-0.05	39.99	12.16	CO 6
				Max V _z	-119.18	-6.96	25.18	-0.05	39.99	12.16	CO 6
				Min V _z	-98.10	-5.20	22.33	-0.00	36.25	8.59	CO 9
				Max M _T	-98.10	-5.21	22.38	-0.00	36.30	8.61	CO 11
				Min M _T	-119.93	-6.41	25.07	-0.07	40.00	11.46	CO 2
				Max M _y	-119.94	-6.42	25.13	-0.07	40.05	11.48	CO 8
				Min M _y	-98.10	-5.20	22.33	-0.00	36.25	8.59	CO 9
				Max M _z	-119.18	-6.96	25.18	-0.05	39.99	12.16	CO 6
				Min M _z	-98.86	-4.67	22.34	-0.02	36.37	7.94	CO 13
	RC2	10	0.000	Max N	-81.72	-4.68	16.10	0.01	-32.38	-9.06	CO 24
				Min N	-99.46	-3.64	17.93	-0.03	-36.81	-6.91	CO 21
				Max V _y	-83.03	-3.36	16.00	-0.00	-32.16	-6.54	CO 27
				Min V _y	-98.16	-4.96	18.07	-0.02	-37.15	-9.45	CO 20
				Max V _z	-98.16	-4.96	18.07	-0.02	-37.15	-9.45	CO 20
				Min V _z	-82.46	-3.75	15.99	0.01	-32.20	-7.48	CO 23
				Max M _T	-82.47	-3.76	16.03	0.01	-32.32	-7.49	CO 25
				Min M _T	-98.72	-4.56	18.00	-0.03	-36.87	-8.49	CO 16
				Max M _y	-83.03	-3.36	16.00	-0.00	-32.16	-6.54	CO 27
				Min M _y	-98.16	-4.96	18.07	-0.02	-37.15	-9.45	CO 20
				Max M _z	-83.03	-3.36	16.00	-0.00	-32.16	-6.54	CO 27
				Min M _z	-98.16	-4.96	18.07	-0.02	-37.15	-9.45	CO 20
		68	3.650	Max N	-70.98	-4.68	16.13	0.00	26.63	8.04	CO 24
				Min N	-88.72	-3.65	17.99	-0.04	28.99	6.42	CO 21
				Max V _y	-72.28	-3.37	16.04	-0.01	26.51	5.77	CO 27
				Min V _y	-87.42	-4.97	18.13	-0.03	29.16	8.70	CO 20
				Max V _z	-87.42	-4.97	18.13	-0.03	29.16	8.70	CO 20
				Min V _z	-71.72	-3.76	16.03	0.01	26.42	6.26	CO 23
				Max M _T	-71.72	-3.77	16.07	0.01	26.46	6.27	CO 25
				Min M _T	-87.97	-4.56	18.05	-0.04	29.17	8.19	CO 16
				Max M _y	-87.98	-4.57	18.09	-0.04	29.21	8.20	CO 22
				Min M _y	-71.72	-3.76	16.03	0.01	26.42	6.26	CO 23
				Max M _z	-87.42	-4.97	18.13	-0.03	29.16	8.70	CO 20
				Min M _z	-72.28	-3.37	16.04	-0.01	26.51	5.77	CO 27
RC6	10	0.000	Max N	-81.69	-2.64	6.55	-0.69	-15.43	-5.23	LC 1-5	
			Min N	-98.89	-4.00	21.54	0.80	-36.03	-6.91	LC 1-4	
			Max V _y	-90.24	27.35	11.32	-0.01	-20.73	45.65	LC 1-4	
			Min V _y	-90.34	-33.99	16.77	0.12	-30.74	-57.79	LC 1-5	
			Max V _z	-98.33	-9.77	23.14	0.79	-40.34	-16.85	LC 1-5	
			Min V _z	-82.25	3.14	4.95	-0.68	-11.12	4.71	LC 1-4	
			Max M _T	-97.23	-5.72	20.21	0.98	-34.02	-9.78	LC 1-4	
			Min M _T	-83.34	-0.92	7.89	-0.87	-17.44	-2.37	LC 1-5	
			Max M _y	-82.27	3.09	4.97	-0.68	-11.10	4.65	LC 1-4	
			Min M _y	-98.30	-9.73	23.12	0.79	-40.37	-16.79	LC 1-5	



4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
66	RC6	68	3.650	Max M _z	-90.27	27.35	11.35	-0.00	-20.77	45.65	LC 1-4
				Min M _z	-90.30	-33.98	16.74	0.12	-30.70	-57.80	LC 1-5
				Max N	-70.95	-2.80	10.39	-0.69	14.60	4.68	LC 1-5
				Min N	-88.15	-3.84	17.70	0.80	36.47	7.41	LC 1-4
				Max V _y	-79.52	23.27	12.28	-0.00	22.13	-47.66	LC 1-4
				Min V _y	-79.58	-29.91	15.81	0.11	28.94	59.75	LC 1-5
				Max V _z	-87.55	-8.95	19.20	0.80	37.83	17.53	LC 1-5
				Min V _z	-71.55	2.31	8.89	-0.68	13.23	-5.44	LC 1-4
				Max M _T	-86.49	-5.16	17.01	0.98	34.66	10.25	LC 1-4
				Min M _T	-72.60	-1.48	11.08	-0.87	16.41	1.84	LC 1-5
				Max M _y	-87.57	-8.96	19.20	0.80	37.85	17.56	LC 1-5
				Min M _y	-71.53	2.33	8.90	-0.69	13.22	-5.47	LC 1-4
				Max M _z	-79.61	-29.91	15.83	0.12	28.98	59.75	LC 1-5
				Min M _z	-79.49	23.27	12.26	-0.01	22.09	-47.66	LC 1-4
				Max N	-60.98	6.06	-7.59	0.00	14.52	11.93	CO 9
				Min N	-76.91	5.31	-9.02	0.02	16.65	10.10	CO 8
				Max V _y	-74.04	7.19	-9.21	0.03	17.06	13.85	CO 5
				Min V _y	-63.98	4.19	-7.46	-0.01	14.25	8.19	CO 14
				Max V _z	-61.96	4.88	-7.41	0.02	14.20	9.83	CO 10
				Min V _z	-74.04	7.19	-9.21	0.03	17.06	13.85	CO 5
87	RC1	39	0.000	Max M _T	-74.89	5.99	-8.96	0.05	16.60	11.74	CO 4
				Min M _T	-63.00	5.38	-7.64	-0.03	14.57	10.30	CO 13
				Max M _y	-74.04	7.19	-9.21	0.03	17.06	13.85	CO 5
				Min M _y	-61.96	4.88	-7.41	0.02	14.20	9.83	CO 10
				Max M _z	-74.04	7.19	-9.21	0.03	17.06	13.85	CO 5
				Min M _z	-63.98	4.19	-7.46	-0.01	14.25	8.19	CO 14
		82	3.650	Max N	-46.48	6.07	-7.59	-0.00	-13.24	-10.23	CO 9
				Min N	-62.42	5.31	-9.03	0.02	-16.38	-9.31	CO 8
				Max V _y	-59.54	7.19	-9.22	0.03	-16.66	-12.42	CO 5
				Min V _y	-49.48	4.19	-7.47	-0.02	-13.07	-7.12	CO 14
				Max V _z	-47.46	4.88	-7.42	0.01	-12.91	-8.00	CO 10
				Min V _z	-59.54	7.19	-9.22	0.03	-16.66	-12.42	CO 5
				Max M _T	-60.40	6.00	-8.97	0.05	-16.21	-10.19	CO 4
				Min M _T	-48.50	5.38	-7.65	-0.03	-13.40	-9.35	CO 13
				Max M _y	-47.46	4.88	-7.42	0.01	-12.91	-8.00	CO 10
				Min M _y	-61.44	6.50	-9.20	0.00	-16.71	-11.54	CO 7
				Max M _z	-49.48	4.19	-7.47	-0.02	-13.07	-7.12	CO 14
				Min M _z	-59.54	7.19	-9.22	0.03	-16.66	-12.42	CO 5
	RC2	39	0.000	Max N	-44.86	4.35	-5.41	0.01	10.28	8.53	CO 23
				Min N	-56.60	3.88	-6.49	0.02	11.88	7.33	CO 22
				Max V _y	-54.54	5.18	-6.62	0.03	12.16	9.95	CO 19
				Min V _y	-47.01	3.05	-5.34	-0.01	10.10	5.91	CO 28
				Max V _z	-45.52	3.56	-5.29	0.02	10.06	7.12	CO 24
				Min V _z	-54.54	5.18	-6.62	0.03	12.16	9.95	CO 19
				Max M _T	-55.10	4.39	-6.45	0.04	11.84	8.54	CO 18
				Min M _T	-46.36	3.84	-5.46	-0.02	10.32	7.32	CO 27
				Max M _y	-54.54	5.18	-6.62	0.03	12.16	9.95	CO 19
				Min M _y	-45.52	3.56	-5.29	0.02	10.06	7.12	CO 24
				Max M _z	-54.54	5.18	-6.62	0.03	12.16	9.95	CO 19
				Min M _z	-47.01	3.05	-5.34	-0.01	10.10	5.91	CO 28
		82	3.650	Max N	-34.12	4.35	-5.42	0.00	-9.52	-7.37	CO 23
				Min N	-45.86	3.88	-6.49	0.02	-11.86	-6.86	CO 22
				Max V _y	-43.80	5.19	-6.62	0.03	-12.05	-9.00	CO 19
				Min V _y	-36.27	3.05	-5.34	-0.01	-9.42	-5.24	CO 28
				Max V _z	-34.78	3.56	-5.30	0.02	-9.30	-5.89	CO 24
				Min V _z	-43.80	5.19	-6.62	0.03	-12.05	-9.00	CO 19
				Max M _T	-44.36	4.39	-6.45	0.04	-11.74	-7.51	CO 18
				Min M _T	-35.62	3.84	-5.46	-0.02	-9.64	-6.72	CO 27
				Max M _y	-34.78	3.56	-5.30	0.02	-9.30	-5.89	CO 24
				Min M _y	-45.20	4.67	-6.61	0.01	-12.08	-8.34	CO 21
				Max M _z	-36.27	3.05	-5.34	-0.01	-9.42	-5.24	CO 28
				Min M _z	-43.80	5.19	-6.62	0.03	-12.05	-9.00	CO 19
	RC6	39	0.000	Max N	-19.19	29.29	2.87	0.63	-3.68	50.89	LC 1-5
				Min N	-84.52	-21.04	-12.75	-0.48	20.46	-35.70	LC 1-4
				Max V _y	-21.70	33.39	-4.56	-0.12	7.83	57.91	LC 1-5
				Min V _y	-82.00	-25.14	-5.32	0.26	8.96	-42.72	LC 1-4
				Max V _z	-30.93	15.84	5.42	0.82	-7.94	27.64	LC 1-4
				Min V _z	-72.78	-7.59	-15.30	-0.68	24.73	-12.45	LC 1-5
				Max M _T	-34.75	13.77	3.52	0.99	-4.96	23.98	LC 1-4
				Min M _T	-68.96	-5.52	-13.40	-0.84	21.75	-8.79	LC 1-5
				Max M _y	-73.00	-7.75	-15.29	-0.67	24.75	-12.73	LC 1-5
				Min M _y	-30.71	16.00	5.41	0.82	-7.96	27.92	LC 1-4
				Max M _z	-21.69	33.39	-4.55	-0.12	7.82	57.91	LC 1-5
				Min M _z	-82.02	-25.14	-5.32	0.26	8.97	-42.73	LC 1-4
		82	3.650	Max N	-8.45	26.10	-0.34	0.63	1.75	-50.97	LC 1-5
				Min N	-73.78	-17.85	-9.54	-0.48	-21.01	36.05	LC 1-4
				Max V _y	-10.95	29.80	-4.79	-0.12	-9.17	-58.26	LC 1-5
				Min V _y	-71.28	-21.55	-5.08	0.27	-10.09	43.34	LC 1-4
				Max V _z	-20.17	14.29	1.37	0.82	5.40	-27.70	LC 1-4
				Min V _z	-62.07	-6.04	-11.24	-0.67	-24.66	12.78	LC 1-5
				Max M _T	-24.01	12.29	0.21	0.99	2.66	-23.94	LC 1-4
				Min M _T	-58.22	-4.04	-10.09	-0.84	-21.92	9.03	LC 1-5
				Max M _y	-20.35	14.15	1.36	0.82	5.40	-27.43	LC 1-4
				Min M _y	-61.88	-5.91	-11.24	-0.68	-24.67	12.52	LC 1-5
				Max M _z	-71.28	-21.55	-5.08	0.27	-10.08	43.34	LC 1-4
				Min M _z	-10.95	29.80	-4.80	-0.12	-9.19	-58.26	LC 1-5
88	RC1	42	0.000	Max N	-120.06	5.23	-4.26	-0.01	7.84	11.38	CO 14
				Min N	-139.32	7.29	-4.16	-0.08	8.05	15.11	CO 3
				Max V _y	-136.34	7.76	-4.26	-0.10	8.30	16.08	CO 7
				Min V _y	-123.04	4.76	-4.16	0.01	7.59	10.41	CO 10
				Max V _z	-138.83	6.12	-3.81	-0.07	7.43	12.97	CO 4
				Min V _z	-120.55	6.41	-4.61	-0.02	8.46	13.52	CO 13



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member				Forces [kN]			Moments [kNm]			Corresponding						
No.	RC	Node No.	Location x [m]		N	V _y	V _z	M _T	M _y	M _z	Load Cases					
88	RC1	84	3.650	Max M _T	-123.04	4.76	-4.16	▷	0.01	7.59	10.41	CO 10				
				Min M _T	-136.34	7.76	-4.26	▷	-0.10	8.30	16.08	CO 7				
				Max M _y	-120.55	6.41	-4.61		-0.02	▷	8.46	13.52	CO 13			
				Min M _y	-138.83	6.12	-3.81		-0.07	▷	7.43	12.97	CO 4			
				Max M _z	-136.34	7.76	-4.26		-0.10		8.30	16.08	CO 7			
				Min M _z	-123.04	4.76	-4.16		0.01		7.59	10.41	CO 10			
				Max N	▷	-105.57	5.25	-4.27	-0.01	-7.80	-7.79	CO 14				
				Min N	▷	-124.82	7.31	-4.17	-0.08	-7.23	-11.62	CO 3				
				Max V _y	▷	-121.85	▷	7.78	-4.27	-0.11	-7.34	-12.36	CO 7			
				Min V _y	▷	-108.54	▷	4.78	-4.17	0.01	-7.68	-7.05	CO 10			
				Max V _z	-124.33	6.13	▷	-3.82	-0.07	-6.58	-9.46	CO 4				
				Min V _z	-106.06	6.42	▷	-4.61	-0.02	-8.44	-9.95	CO 13				
				Max M _T	-108.54	4.78	-4.17	▷	0.01	-7.68	-7.05	CO 10				
				Min M _T	-121.85	7.78	-4.27	▷	-0.11	-7.34	-12.36	CO 7				
				Max M _y	-124.33	6.13	-3.82	-0.07	-6.58	-9.46	CO 4					
				Min M _y	-106.06	6.42	-4.61	-0.02	-8.44	-9.95	CO 13					
				Max M _z	-108.54	4.78	-4.17	0.01	-7.68	-7.05	CO 10					
				Min M _z	-121.85	7.78	-4.27	-0.11	-7.34	-12.36	CO 7					
				RC2	42	0.000	Max N	▷	-88.78	3.81	-3.07	-0.00	5.59	8.18	CO 28	
							Min N	▷	-103.00	5.25	-2.97	-0.05	5.70	10.78	CO 17	
							Max V _y	▷	-100.80	▷	5.60	-3.04	-0.07	5.89	11.50	CO 21
							Min V _y	▷	-90.98	▷	3.47	-3.00	0.02	5.41	7.46	CO 24
							Max V _z	-102.67	4.47	▷	-2.74	-0.04	5.29	9.35	CO 18	
							Min V _z	-89.10	4.60	▷	-3.30	-0.01	6.01	9.60	CO 27	
	Max M _T	-90.98	3.47				-3.00	0.02	5.41	7.46	CO 24					
	Min M _T	-100.80	5.60				-3.04	▷	-0.07	5.89	11.50	CO 21				
	Max M _y	-89.10	4.60				-3.30	-0.01	▷	6.01	9.60	CO 27				
	Min M _y	-102.67	4.47				-2.74	-0.04	▷	5.29	9.35	CO 18				
	Max M _z	-100.80	5.60				-3.04	-0.07	▷	5.89	11.50	CO 21				
	Min M _z	-90.98	3.47				-3.00	0.02	▷	5.41	7.46	CO 24				
	Max N	▷	-78.04				3.82	-3.07	-0.00	-5.66	-5.78	CO 28				
	Min N	▷	-92.26				5.26	-2.97	-0.05	-5.19	-8.45	CO 17				
	Max V _y	▷	-90.06				▷	5.61	-3.05	-0.07	-5.27	-9.00	CO 21			
	Min V _y	▷	-80.24				▷	3.47	-3.00	0.02	-5.57	-5.23	CO 24			
	Max V _z	-91.94	4.48				▷	-2.74	-0.04	-4.76	-7.01	CO 18				
	Min V _z	-78.36	4.60				▷	-3.30	-0.01	-6.09	-7.22	CO 27				
	Max M _T	-80.24	3.47				-3.00	0.02	-5.57	-5.23	CO 24					
	Min M _T	-90.06	5.61				-3.05	▷	-0.07	-5.27	-9.00	CO 21				
	Max M _y	-91.94	4.48				-2.74	-0.04	▷	-4.76	-7.01	CO 18				
	Min M _y	-78.36	4.60				-3.30	-0.01	▷	-6.09	-7.22	CO 27				
	Max M _z	-80.24	3.47				-3.00	0.02	-5.57	-5.23	CO 24					
	Min M _z	-90.06	5.61				-3.05	-0.07	▷	-5.27	-9.00	CO 21				
	RC6	42	0.000	Max N	▷	-89.07	24.52	-10.15	-0.48	17.21	43.56	LC 1-5				
				Min N	▷	-109.92	-16.10	5.90	0.48	-9.67	-27.67	LC 1-4				
				Max V _y	▷	-92.31	▷	32.07	-1.70	0.00	3.13	56.67	LC 1-5			
				Min V _y	▷	-106.67	▷	-23.65	-2.56	-0.00	4.41	-40.78	LC 1-4			
				Max V _z	-107.38	11.22	▷	13.39	0.89	-22.12	19.90	LC 1-4				
				Min V _z	-91.61	-2.80	▷	-17.64	-0.89	29.66	-4.01	LC 1-5				
				Max M _T	-105.88	10.54	11.13	▷	1.05	-18.36	18.68	LC 1-4				
				Min M _T	-93.10	-2.12	-15.38	▷	-1.05	25.90	-2.79	LC 1-5				
				Max M _y	-91.60	-2.80	-17.64	-0.89	▷	29.67	-4.00	LC 1-5				
				Min M _y	-107.39	11.22	13.38	▷	0.89	-22.13	19.90	LC 1-4				
				Max M _z	-92.31	32.07	-1.70	0.00	▷	3.13	56.67	LC 1-5				
				Min M _z	-106.68	-23.65	-2.56	-0.00	▷	4.41	-40.78	LC 1-4				
				Max N	▷	-78.33	21.91	-8.09	-0.48	-16.61	-41.79	LC 1-5				
				Min N	▷	-99.18	-13.49	3.84	0.48	8.62	26.95	LC 1-4				
				Max V _y	▷	-81.59	▷	28.52	-1.84	-0.00	-3.28	-54.73	LC 1-5			
				Min V _y	▷	-95.92	▷	-20.09	-2.41	-0.00	-4.72	39.89	LC 1-4			
				Max V _z	-96.66	10.32	▷	9.34	0.89	20.36	-19.62	LC 1-4				
				Min V _z	-80.85	-1.90	▷	-13.59	-0.89	-28.36	4.78	LC 1-5				
				Max M _T	-95.15	9.63	▷	7.67	1.05	16.81	-18.35	LC 1-4				
				Min M _T	-82.37	-1.21	-11.92	▷	-1.05	-24.80	3.50	LC 1-5				
				Max M _y	-96.66	10.33	9.34	▷	0.89	20.36	-19.64	LC 1-4				
				Min M _y	-80.86	-1.90	-13.59	-0.89	▷	-28.36	4.79	LC 1-5				
				Max M _z	-95.92	-20.09	-2.41	-0.00	▷	-4.71	39.89	LC 1-4				
				Min M _z	-81.59	28.52	-1.84	0.00	▷	-3.28	-54.73	LC 1-5				
Section No. 4: Rectangle 500/300																
10	RC1	12	0.000	Max N	▷	-54.97	2.64	-0.02	-0.00	0.00	0.31	CO 13				
				Min N	▷	-72.47	3.25	-0.02	-0.01	0.00	0.36	CO 6				
				Max V _y	▷	-72.47	▷	3.25	-0.02	-0.01	0.00	0.36	CO 6			
				Min V _y	▷	-54.97	▷	2.64	-0.02	-0.00	0.00	0.31	CO 13			
				Max V _z	-60.92	2.72	▷	-0.01	-0.00	0.00	0.30	CO 14				
				Min V _z	-66.50	3.16	▷	-0.02	-0.00	0.00	0.36	CO 3				
				Max M _T	-54.97	2.64	-0.02	▷	-0.00	0.00	0.31	CO 13				
				Min M _T	-72.45	3.25	-0.02	▷	-0.01	0.00	0.36	CO 4				
				Max M _y	-66.50	3.16	-0.02	-0.00	▷	0.00	0.36	CO 3				
				Min M _y	-60.92	2.72	-0.01	-0.00	▷	0.00	0.30	CO 14				
				Max M _z	-66.52	3.16	-0.02	-0.00	▷	0.00	0.37	CO 5				
				Min M _z	-60.92	2.72	-0.01	-0.00	▷	0.00	0.30	CO 14				
				Max N	▷	-82.98	-9.59	0.66	0.13	-0.17	3.62	CO 13				
				Min N	▷	-117.73	-12.37	-12.77	1.37	-3.99	2.64	CO 6				
				Max V _y	▷	-94.90	-8.31	-8.26	0.98	-2.68	1.31	CO 14				
				Min V _y	▷	-105.80	-13.64	-3.84	0.52	-1.48	4.95	CO 5				
				Max V _z	-82.98	-9.59	0.66	0.13	-0.17	3.62	CO 13					
				Min V _z	-117.73	-12.37	-12.77	1.37	-3.99	2.64	CO 6					
				Max M _T	-117.73	-12.37	-12.77	▷	1.37	-3.99	2.64	CO 6				
				Min M _T	-82.98	-9.59	0.66	▷	0.13	-0.17	3.62	CO 13				
				Max M _y	-82.98	-9.59	0.66	▷	0.13	-0.17	3.62	CO 13				
				Min M _y	-117.73	-12.37	-12.77	▷	1.37	-3.99	2.64	CO 6				
				Max M _z	-105.77	-13.64	-3.80	0.52	-1.46	4.95	CO 3					
				RC2	12	0.000	Max N	▷	-40.00	1.90	-0.01	-0.00	0.00	0.22	CO 27	
	Min N	▷	-52.52				2.34	-0.01	-0.00	0.00	0.25	CO 20				

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
10	RC2			Max V _y	-52.52	2.34	-0.01	-0.00	0.00	0.25	CO 20
				Min V _y	-40.00	1.90	-0.01	-0.00	0.00	0.22	CO 27
				Max V _z	-43.96	1.95	-0.01	-0.00	0.00	0.22	CO 28
				Min V _z	-48.54	2.29	-0.01	-0.00	0.00	0.26	CO 17
				Max M _T	-40.00	1.90	-0.01	-0.00	0.00	0.22	CO 27
				Min M _T	-52.51	2.34	-0.01	-0.00	0.00	0.25	CO 18
				Max M _y	-48.54	2.29	-0.01	-0.00	0.00	0.26	CO 17
				Min M _y	-43.96	1.95	-0.01	-0.00	0.00	0.22	CO 28
				Max M _z	-48.56	2.29	-0.01	-0.00	0.00	0.26	CO 19
				Min M _z	-43.96	1.95	-0.01	-0.00	0.00	0.22	CO 28
		13	3.000	Max N	-60.50	-6.97	0.14	0.13	-0.22	2.58	CO 27
				Min N	-85.36	-9.12	-9.14	0.98	-2.85	2.02	CO 20
				Max V _y	-68.45	-6.12	-5.80	0.69	-1.89	1.04	CO 28
				Min V _y	-77.41	-9.97	-3.20	0.41	-1.18	3.56	CO 19
				Max V _z	-60.50	-6.97	0.14	0.13	-0.22	2.58	CO 27
				Min V _z	-85.36	-9.12	-9.14	0.98	-2.85	2.02	CO 20
				Max M _T	-85.36	-9.12	-9.14	0.98	-2.85	2.02	CO 20
				Min M _T	-60.50	-6.97	0.14	0.13	-0.22	2.58	CO 27
				Max M _y	-60.50	-6.97	0.14	0.13	-0.22	2.58	CO 27
				Min M _y	-85.36	-9.12	-9.14	0.98	-2.85	2.02	CO 20
				Max M _z	-77.38	-9.97	-3.16	0.41	-1.17	3.56	CO 17
				Min M _z	-68.45	-6.12	-5.80	0.69	-1.89	1.04	CO 28
	RC6	12	0.000	Max N	27.19	0.94	-0.03	0.01	0.01	0.35	LC 1-4
				Min N	-113.88	2.76	0.01	-0.02	-0.00	-0.00	LC 1-5
				Max V _y	-87.03	3.03	-0.01	-0.01	0.00	0.53	LC 1-5
				Min V _y	0.34	0.67	-0.01	0.00	0.00	-0.18	LC 1-4
				Max V _z	-106.69	1.66	0.03	-0.03	-0.00	-0.70	LC 1-4
				Min V _z	20.00	2.04	-0.05	0.02	0.01	1.06	LC 1-5
				Max M _T	22.78	1.88	-0.05	0.02	0.01	1.03	LC 1-4
				Min M _T	-109.48	1.83	0.03	-0.03	-0.00	-0.68	LC 1-5
				Max M _y	20.08	2.04	-0.05	0.02	0.01	1.06	LC 1-5
				Min M _y	-106.78	1.67	0.03	-0.03	-0.00	-0.70	LC 1-4
				Max M _z	-0.05	2.44	-0.04	0.02	0.01	1.13	LC 1-5
		13	3.000	Min M _z	-86.64	1.26	0.02	-0.02	-0.00	-0.78	LC 1-4
				Max N	151.04	43.01	213.58	-15.41	57.06	-1.89	LC 1-4
				Min N	-292.67	-61.12	-226.95	16.82	-61.19	7.28	LC 1-5
				Max V _y	100.06	60.13	174.20	-12.09	46.77	-18.27	LC 1-4
				Min V _y	-241.69	-78.24	-187.57	13.50	-50.90	23.66	LC 1-5
				Max V _z	150.64	44.79	213.94	-15.41	57.17	-3.01	LC 1-4
				Min V _z	-292.27	-62.91	-227.31	16.82	-61.31	8.40	LC 1-5
				Max M _T	-292.51	-61.88	-227.12	16.83	-61.25	7.74	LC 1-5
				Min M _T	150.88	43.77	213.76	-15.42	57.11	-2.35	LC 1-4
				Max M _y	150.55	44.97	213.94	-15.41	57.17	-3.13	LC 1-4
				Min M _y	-292.18	-63.09	-227.30	16.82	-61.31	8.51	LC 1-5
				Max M _z	-39.66	-56.09	4.44	-0.93	0.39	34.74	LC 1-5
				Min M _z	-101.97	37.97	-17.81	2.34	-4.53	-29.36	LC 1-4
13	RC1	13	0.000	Max N	-150.82	17.42	-5.51	-0.07	3.52	15.49	CO 13
				Min N	-200.58	4.86	12.22	-0.07	-8.00	6.31	CO 6
				Max V _y	-188.38	20.12	-5.26	-0.08	3.10	19.18	CO 5
				Min V _y	-163.01	2.16	11.97	-0.06	-7.58	2.62	CO 14
				Max V _z	-200.58	4.86	12.22	-0.07	-8.00	6.31	CO 6
				Min V _z	-150.82	17.42	-5.51	-0.07	3.52	15.49	CO 13
				Max M _T	-182.84	3.31	12.08	-0.04	-7.68	3.92	CO 10
				Min M _T	-168.44	18.97	-5.36	-0.10	3.20	17.87	CO 7
				Max M _y	-150.82	17.42	-5.51	-0.07	3.52	15.49	CO 13
				Min M _y	-200.58	4.86	12.22	-0.07	-8.00	6.31	CO 6
				Max M _z	-188.38	20.12	-5.26	-0.08	3.10	19.18	CO 5
				Min M _z	-163.01	2.16	11.97	-0.06	-7.58	2.62	CO 14
		15	3.650	Max N	-132.70	-1.19	6.25	-0.07	4.87	-14.19	CO 13
				Min N	-182.46	11.88	-10.49	-0.06	-4.83	-24.31	CO 6
				Max V _y	-182.46	11.88	-10.49	-0.06	-4.83	-24.31	CO 6
				Min V _y	-132.70	-1.19	6.25	-0.07	4.87	-14.19	CO 13
				Max V _z	-170.26	1.49	6.49	-0.08	5.36	-20.36	CO 5
				Min V _z	-144.89	9.19	-10.74	-0.06	-5.32	-18.14	CO 14
				Max M _T	-164.72	10.34	-10.64	-0.03	-5.04	-21.04	CO 10
				Min M _T	-150.32	0.35	6.39	-0.10	5.08	-17.44	CO 7
				Max M _y	-170.14	1.49	6.49	-0.08	5.36	-20.34	CO 3
				Min M _y	-144.89	9.19	-10.74	-0.06	-5.32	-18.14	CO 14
				Max M _z	-132.70	-1.19	6.25	-0.07	4.87	-14.19	CO 13
				Min M _z	-182.46	11.88	-10.49	-0.06	-4.83	-24.31	CO 6
	RC2	13	0.000	Max N	-108.64	11.88	-3.65	-0.05	2.32	10.61	CO 27
				Min N	-144.58	3.71	8.18	-0.04	-5.39	4.76	CO 20
				Max V _y	-136.46	13.88	-3.47	-0.05	2.01	13.34	CO 19
				Min V _y	-116.75	1.71	8.00	-0.04	-5.08	2.03	CO 28
				Max V _z	-144.58	3.71	8.18	-0.04	-5.39	4.76	CO 20
				Min V _z	-108.64	11.88	-3.65	-0.05	2.32	10.61	CO 27
				Max M _T	-131.44	2.56	8.08	-0.02	-5.15	3.00	CO 24
				Min M _T	-121.69	13.02	-3.55	-0.07	2.09	12.38	CO 21
				Max M _y	-108.64	11.88	-3.65	-0.05	2.32	10.61	CO 27
				Min M _y	-144.58	3.71	8.18	-0.04	-5.39	4.76	CO 20
				Max M _z	-136.46	13.88	-3.47	-0.05	2.01	13.34	CO 19
				Min M _z	-116.75	1.71	8.00	-0.04	-5.08	2.03	CO 28
		15	3.650	Max N	-95.21	-0.53	4.18	-0.05	3.29	-10.14	CO 27
				Min N	-131.16	8.39	-6.96	-0.04	-3.14	-17.35	CO 20
				Max V _y	-131.16	8.39	-6.96	-0.04	-3.14	-17.35	CO 20
				Min V _y	-95.21	-0.53	4.18	-0.05	3.29	-10.14	CO 27
				Max V _z	-123.04	1.47	4.36	-0.05	3.65	-14.71	CO 19
				Min V _z	-103.33	6.40	-7.14	-0.04	-3.50	-12.78	CO 28
				Max M _T	-118.02	7.25	-7.06	-0.02	-3.29	-14.93	CO 24
				Min M _T	-108.27	0.61	4.29	-0.07	3.44	-12.55	CO 21
				Max M _y	-122.95	1.46	4.36	-0.05	3.65	-14.70	CO 17
				Min M _y	-103.33	6.40	-7.14	-0.04	-3.50	-12.78	CO 28



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]						Moments [kNm]				Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z					
13	RC2	13	0.000	Max M _z	-95.21	-0.53	4.18	-0.05	3.29	▷	-10.14	CO 27		
	Min M _z			-131.16	8.39	-6.96	-0.04	-3.14	▷	-17.35	CO 20			
	Max N			142.21	41.15	-3.69	-1.24	10.54	▷	82.99	LC 1-4			
	Min N			-368.71	-31.05	4.50	1.24	-11.73	▷	-70.83	LC 1-5			
	Max V _y			109.19	44.07	-2.39	-1.14	6.92	▷	88.97	LC 1-5			
	Min V _y			-335.69	-33.98	3.21	1.15	-8.11	▷	-76.80	LC 1-4			
	Max V _z			-341.49	-7.87	7.54	1.17	-20.36	▷	-19.24	LC 1-5			
	Min V _z			114.99	17.97	-6.72	-1.16	19.17	▷	31.41	LC 1-4			
	Max M _T			-333.57	-13.50	6.11	1.44	-16.93	▷	-31.33	LC 1-4			
	Min M _T			107.06	23.59	-5.30	-1.43	15.74	▷	43.50	LC 1-5			
	Max M _y			116.02	17.65	-6.70	-1.18	19.24	▷	30.72	LC 1-4			
	Min M _y			-342.52	-7.56	7.51	1.19	-20.42	▷	-18.56	LC 1-5			
	Max M _z			104.84	44.05	-2.20	-1.12	6.38	▷	89.03	LC 1-5			
	Min M _z			-331.35	-33.95	3.01	1.13	-7.57	▷	-76.86	LC 1-4			
	Max N			155.63	39.74	-2.79	-1.24	-1.89	▷	-65.58	LC 1-4			
	Min N			-355.29	-29.65	3.60	1.24	3.68	▷	40.90	LC 1-5			
	Max V _y			123.27	42.51	-1.77	-1.14	-1.08	▷	-70.09	LC 1-5			
	Min V _y			-322.93	-32.41	2.58	1.15	2.87	▷	45.41	LC 1-4			
	Max V _z			-330.70	-7.44	5.84	1.19	5.07	▷	8.98	LC 1-5			
	Min V _z			131.04	17.54	-5.03	-1.18	-3.29	▷	-33.66	LC 1-4			
	Max M _T			-320.14	-12.76	4.83	1.44	3.94	▷	17.08	LC 1-4			
	Min M _T			120.48	22.86	-4.01	-1.43	-2.15	▷	-41.76	LC 1-5			
	Max M _y			-319.99	-8.27	5.59	1.07	5.27	▷	10.14	LC 1-5			
	Min M _y			120.33	18.37	-4.77	-1.06	-3.48	▷	-34.82	LC 1-4			
	Max M _z			-327.79	-32.36	2.76	1.17	3.00	▷	45.49	LC 1-4			
Min M _z	128.13	42.46	-1.95	-1.16	-1.22	▷	-70.17	LC 1-5						
19	RC1	22	0.000	Max N	-28.96	0.31	0.00	-0.01	-0.00	▷	0.05	CO 14		
	Min N			-31.26	0.37	0.00	-0.01	-0.00	▷	0.05	CO 3			
	Max V _y			-31.26	0.37	0.00	-0.01	-0.00	▷	0.05	CO 3			
	Min V _y			-28.96	0.31	0.00	-0.01	-0.00	▷	0.05	CO 14			
	Max V _z			-31.26	0.37	0.00	-0.01	-0.00	▷	0.05	CO 3			
	Min V _z			-28.96	0.31	0.00	-0.01	-0.00	▷	0.05	CO 14			
	Max M _T			-29.28	0.34	0.00	-0.01	-0.00	▷	0.05	CO 10			
	Min M _T			-30.94	0.35	0.00	-0.01	-0.00	▷	0.05	CO 7			
	Max M _y			-28.96	0.31	0.00	-0.01	-0.00	▷	0.05	CO 14			
	Min M _y			-31.26	0.37	0.00	-0.01	-0.00	▷	0.05	CO 3			
	Max M _z			-31.26	0.37	0.00	-0.01	-0.00	▷	0.05	CO 3			
	Min M _z			-28.96	0.31	0.00	-0.01	-0.00	▷	0.05	CO 14			
	23			3.000	Max N	-17.08	0.43	74.81	0.20	18.01	▷	-0.27	CO 14	
					Min N	-19.86	0.49	87.39	0.23	21.04	▷	-0.30	CO 3	
					Max V _y	-19.36	0.52	84.26	0.23	20.28	▷	-0.31	CO 1	
					Min V _y	-17.58	0.41	77.94	0.20	18.76	▷	-0.26	CO 12	
					Max V _z	-19.79	0.49	87.92	0.23	21.16	▷	-0.30	CO 5	
					Min V _z	-17.08	0.43	74.81	0.20	18.01	▷	-0.27	CO 14	
					Max M _T	-19.01	0.50	83.70	0.23	20.15	▷	-0.31	CO 8	
					Min M _T	-17.93	0.42	78.51	0.20	18.90	▷	-0.26	CO 9	
					Max M _y	-19.79	0.49	87.92	0.23	21.16	▷	-0.30	CO 5	
					Min M _y	-17.08	0.43	74.81	0.20	18.01	▷	-0.27	CO 14	
					Max M _z	-17.93	0.42	78.51	0.20	18.90	▷	-0.26	CO 9	
					Min M _z	-19.01	0.50	83.70	0.23	20.15	▷	-0.31	CO 8	
	RC2			22	0.000	Max N	-20.95	0.22	0.00	-0.01	-0.00	▷	0.03	CO 28
		Min N	-22.64			0.26	0.00	-0.01	-0.00	▷	0.04	CO 17		
		Max V _y	-22.64			0.26	0.00	-0.01	-0.00	▷	0.04	CO 17		
		Min V _y	-20.95			0.22	0.00	-0.01	-0.00	▷	0.03	CO 28		
		Max V _z	-22.64			0.26	0.00	-0.01	-0.00	▷	0.04	CO 17		
		Min V _z	-20.95			0.22	0.00	-0.01	-0.00	▷	0.03	CO 28		
		Max M _T	-21.19			0.24	0.00	-0.01	-0.00	▷	0.04	CO 24		
		Min M _T	-22.40			0.25	0.00	-0.01	-0.00	▷	0.03	CO 21		
		Max M _y	-20.95			0.22	0.00	-0.01	-0.00	▷	0.03	CO 28		
		Min M _y	-22.64			0.26	0.00	-0.01	-0.00	▷	0.04	CO 17		
		Max M _z	-22.64			0.26	0.00	-0.01	-0.00	▷	0.04	CO 17		
		Min M _z	-20.95			0.22	0.00	-0.01	-0.00	▷	0.03	CO 28		
		23	3.000			Max N	-12.09	0.30	52.86	0.14	12.72	▷	-0.19	CO 28
						Min N	-14.13	0.34	62.10	0.16	14.95	▷	-0.21	CO 17
						Max V _y	-13.76	0.36	59.78	0.16	14.39	▷	-0.22	CO 15
						Min V _y	-12.46	0.28	55.18	0.14	13.28	▷	-0.18	CO 26
						Max V _z	-14.08	0.34	62.49	0.16	15.04	▷	-0.21	CO 19
						Min V _z	-12.09	0.30	52.86	0.14	12.72	▷	-0.19	CO 28
						Max M _T	-13.52	0.35	59.44	0.16	14.31	▷	-0.22	CO 22
						Min M _T	-12.70	0.29	55.52	0.14	13.36	▷	-0.18	CO 23
						Max M _y	-14.08	0.34	62.49	0.16	15.04	▷	-0.21	CO 19
						Min M _y	-12.09	0.30	52.86	0.14	12.72	▷	-0.19	CO 28
						Max M _z	-12.70	0.29	55.52	0.14	13.36	▷	-0.18	CO 23
						Min M _z	-13.52	0.35	59.44	0.16	14.31	▷	-0.22	CO 22
		RC6	22			0.000	Max N	-14.37	-0.31	-0.00	-0.01	0.00	▷	-0.10
	Min N			-22.89	0.66		0.00	-0.00	-0.00	▷	0.15	LC 1-5		
	Max V _y			-22.49	1.08		0.00	-0.00	-0.00	▷	0.30	LC 1-5		
	Min V _y			-14.78	-0.73		-0.00	-0.01	0.00	▷	-0.25	LC 1-4		
	Max V _z			-22.43	1.08		0.00	-0.00	-0.00	▷	0.30	LC 1-5		
	Min V _z			-14.83	-0.73		-0.00	-0.01	0.00	▷	-0.26	LC 1-4		
	Max M _T			-20.72	0.98		0.00	0.00	-0.00	▷	0.27	LC 1-4		
	Min M _T			-16.55	-0.63		-0.00	-0.01	0.00	▷	-0.23	LC 1-5		
	Max M _y			-14.83	-0.73		-0.00	-0.01	0.00	▷	-0.26	LC 1-4		
	Min M _y			-22.43	1.08		0.00	-0.00	-0.00	▷	0.30	LC 1-5		
	Max M _z			-22.33	1.08		0.00	-0.00	-0.00	▷	0.30	LC 1-5		
	Min M _z			-14.93	-0.73		-0.00	-0.01	0.00	▷	-0.26	LC 1-4		
	23			3.000	Max N		-6.81	0.65	27.67	0.10	6.67	▷	-0.27	LC 1-4
					Min N		-12.41	-0.35	56.76	0.10	13.64	▷	0.04	LC 1-5
					Max V _y		-8.72	1.46	37.97	0.05	9.15	▷	-0.52	LC 1-5
					Min V _y		-10.51	-1.16	46.46	0.16	11.16	▷	0.29	LC 1-4
					Max V _z		-12.41	-0.33	56.78	0.10	13.65	▷	0.03	LC 1-5
					Min V _z		-6.82	0.63	27.65	0.10	6.67	▷	-0.26	LC 1-4

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z	
19	RC6			Max M _T	-11.34	-0.98	49.34	▷ 0.19	11.86	0.22 LC 1-5
				Min M _T	-7.89	1.28	35.10	▷ 0.01	8.45	-0.44 LC 1-4
				Max M _y	-12.41	-0.33	56.78	0.10 ▷	13.65	0.03 LC 1-5
				Min M _y	-6.82	0.63	27.65	0.10 ▷	6.67	-0.26 LC 1-4
				Max M _z	-10.54	-1.16	46.63	0.16	11.20	0.29 LC 1-4
				Min M _z	-8.69	1.46	37.80	0.05	9.11	-0.52 LC 1-5
	RC1	27	0.000	Max N	▷ -33.38	3.15	0.01	-0.00	-0.00	0.58 CO 14
				Min N	▷ -39.11	3.70	0.01	-0.00	-0.00	0.72 CO 5
				Max V _y	▷ -39.11	▷ 3.70	0.01	-0.00	-0.00	0.72 CO 5
				Min V _y	▷ -33.38	▷ 3.15	0.01	-0.00	-0.00	0.58 CO 14
				Max V _z	▷ -39.10	▷ 3.70	▷ 0.01	-0.00	-0.00	0.72 CO 3
				Min V _z	▷ -33.38	▷ 3.15	▷ 0.01	-0.00	-0.00	0.58 CO 14
22				Max M _T	-34.89	3.39	0.01	▷ -0.00	-0.00	0.63 CO 10
				Min M _T	-39.11	3.70	0.01	▷ -0.00	-0.00	0.72 CO 5
				Max M _y	-33.38	3.15	0.01	-0.00	-0.00	0.58 CO 14
				Min M _y	-39.10	3.70	0.01	-0.00	-0.00	0.72 CO 3
				Max M _z	-39.11	3.70	0.01	-0.00	-0.00	0.72 CO 5
				Min M _z	-33.38	3.15	0.01	-0.00	-0.00	0.58 CO 14
		28	3.000	Max N	▷ 1.27	2.02	-2.64	0.02	-0.65	-0.62 CO 5
				Min N	▷ 0.28	2.53	-2.19	-0.07	-0.55	-0.48 CO 14
				Max V _y	▷ 0.58	▷ 2.64	-2.50	-0.04	-0.63	-0.55 CO 6
				Min V _y	▷ 0.96	▷ 1.92	-2.33	-0.01	-0.58	-0.54 CO 13
				Max V _z	0.40	2.58	▷ -2.15	-0.07	-0.54	-0.47 CO 12
				Min V _z	1.14	1.97	▷ -2.69	0.02	-0.67	-0.63 CO 1
				Max M _T	1.15	1.97	-2.69	▷ 0.02	-0.66	-0.63 CO 7
				Min M _T	0.39	2.58	-2.16	-0.07	-0.54	-0.47 CO 10
				Max M _y	0.40	2.58	-2.15	-0.07	-0.54	-0.47 CO 12
				Min M _y	1.14	1.97	-2.69	0.02	-0.67	-0.63 CO 1
				Max M _z	0.39	2.58	-2.16	-0.07	-0.54	-0.47 CO 10
				Min M _z	1.15	1.97	-2.69	0.02	-0.66	-0.63 CO 7
	RC2	27	0.000	Max N	▷ -24.35	2.28	0.01	-0.00	-0.00	0.42 CO 28
				Min N	▷ -28.44	2.68	0.01	-0.00	-0.00	0.52 CO 19
				Max V _y	▷ -28.44	▷ 2.68	0.01	-0.00	-0.00	0.52 CO 19
				Min V _y	▷ -24.35	▷ 2.28	0.01	-0.00	-0.00	0.42 CO 28
				Max V _z	▷ -28.43	▷ 2.68	0.01	-0.00	-0.00	0.52 CO 17
				Min V _z	▷ -24.35	▷ 2.28	0.01	-0.00	-0.00	0.42 CO 28
				Max M _T	-25.47	2.46	0.01	▷ -0.00	-0.00	0.46 CO 24
				Min M _T	-28.44	2.68	0.01	▷ -0.00	-0.00	0.52 CO 19
				Max M _y	-24.35	2.28	0.01	-0.00	-0.00	0.42 CO 28
				Min M _y	-28.43	2.68	0.01	-0.00	-0.00	0.52 CO 17
				Max M _z	-28.44	2.68	0.01	-0.00	-0.00	0.52 CO 19
				Min M _z	-24.35	2.28	0.01	-0.00	-0.00	0.42 CO 28
		28	3.000	Max N	▷ 0.91	1.42	-1.87	0.01	-0.46	-0.43 CO 19
				Min N	▷ 0.23	1.75	-1.54	-0.05	-0.39	-0.33 CO 28
				Max V _y	▷ 0.45	▷ 1.83	-1.77	-0.03	-0.45	-0.39 CO 20
				Min V _y	▷ 0.68	▷ 1.34	-1.64	-0.01	-0.40	-0.38 CO 27
				Max V _z	0.31	1.79	▷ -1.51	-0.05	-0.38	-0.33 CO 26
				Min V _z	0.82	1.38	▷ -1.90	0.02	-0.47	-0.44 CO 15
				Max M _T	0.82	1.39	-1.90	▷ 0.02	-0.47	-0.44 CO 21
				Min M _T	0.31	1.79	-1.52	▷ -0.05	-0.38	-0.33 CO 24
				Max M _y	0.31	1.79	-1.51	-0.05	-0.38	-0.33 CO 26
				Min M _y	0.82	1.38	-1.90	0.02	-0.47	-0.44 CO 15
				Max M _z	0.31	1.79	-1.52	-0.05	-0.38	-0.33 CO 24
				Min M _z	0.82	1.39	-1.90	0.02	-0.47	-0.44 CO 21
68	RC6	27	0.000	Max N	▷ 9.39	0.70	0.01	-0.00	-0.00	-0.19 LC 1-4
				Min N	▷ -58.15	3.73	0.00	-0.00	-0.00	1.04 LC 1-5
				Max V _y	▷ -57.95	▷ 3.74	0.00	-0.00	-0.00	1.03 LC 1-5
				Min V _y	▷ 9.19	▷ 0.69	0.01	-0.00	-0.00	-0.18 LC 1-4
				Max V _z	-7.88	1.83	▷ 0.01	-0.00	-0.00	0.16 LC 1-5
				Min V _z	-40.88	2.60	▷ -0.00	-0.00	0.00	0.70 LC 1-4
				Max M _T	-6.67	1.65	0.01	▷ 0.00	-0.00	0.12 LC 1-4
				Min M _T	-42.08	2.78	-0.00	▷ -0.00	-0.00	0.73 LC 1-5
				Max M _y	-41.23	2.62	-0.00	-0.00	0.00	0.70 LC 1-4
				Min M _y	-7.52	1.81	0.01	-0.00	-0.00	0.15 LC 1-5
				Max M _z	-58.13	3.73	0.00	-0.00	-0.00	1.04 LC 1-5
				Min M _z	9.38	0.69	0.01	-0.00	-0.00	-0.19 LC 1-4
		28	3.000	Max N	▷ 12.22	-6.90	-1.74	1.05	-0.35	-1.57 LC 1-5
				Min N	▷ 10.88	8.58	-0.57	-1.03	-0.22	1.07 LC 1-4
				Max V _y	▷ -10.76	▷ 8.78	-0.78	-1.02	-0.27	1.00 LC 1-5
				Min V _y	▷ 12.10	▷ -7.11	-1.53	1.04	-0.30	-1.49 LC 1-4
				Max V _z	4.61	-1.50	▷ 0.96	0.81	0.11	-0.79 LC 1-4
				Min V _z	-3.27	3.17	▷ -3.27	-0.79	-0.68	0.30 LC 1-5
				Max M _T	10.58	-5.41	0.06	▷ 1.26	-0.04	-1.49 LC 1-5
				Min M _T	-9.24	7.08	-2.37	▷ -1.24	-0.53	0.99 LC 1-4
				Max M _y	4.99	-1.74	0.95	▷ 0.84	0.11	-0.84 LC 1-4
				Min M _y	-3.65	3.42	-3.27	-0.82	-0.68	0.34 LC 1-5
				Max M _z	-10.87	8.55	-0.62	-1.04	-0.23	1.07 LC 1-4
				Min M _z	12.21	-6.87	-1.70	1.06	-0.35	-1.57 LC 1-5
	RC1	15	0.000	Max N	▷ -32.36	10.00	12.34	0.09	-8.81	23.28 CO 10
				Min N	▷ -56.90	25.58	-4.84	0.10	1.52	34.71 CO 7
				Max V _y	▷ -50.65	▷ 26.77	-4.77	0.08	1.29	37.55 CO 3
				Min V _y	▷ -38.62	▷ 8.80	12.27	0.11	-8.58	20.44 CO 14
				Max V _z	-41.62	12.85	▷ 12.53	0.07	-9.19	28.20 CO 6
				Min V _z	-47.68	22.72	▷ -5.03	0.12	1.90	29.78 CO 13
				Max M _T	-47.68	22.72	-5.03	▷ 0.12	1.90	29.78 CO 13
				Min M _T	-41.58	12.86	12.53	▷ 0.07	-9.19	28.21 CO 4
				Max M _y	-47.68	22.72	-5.03	▷ 0.12	1.90	29.78 CO 13
				Min M _y	-41.62	12.85	12.53	▷ 0.07	-9.19	28.20 CO 6
				Max M _z	-50.65	26.77	-4.77	0.08	1.29	37.55 CO 3
				Min M _z	-38.62	8.80	12.27	0.11	-8.58	20.44 CO 14
			0.000	Max N	▷ -32.36	10.00	12.34	0.09	-8.81	23.28 CO 10
				Min N	▷ -56.90	25.58	-4.84	0.10	1.52	34.71 CO 7

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
68	RC1		2.511 Left	Max V _y	-50.65	26.77	-4.77	0.08	1.29	37.55	CO 3	
				Min V _y	-38.62	8.80	12.27	0.11	-8.58	20.44	CO 14	
				Max V _z	-41.62	12.85	12.53	0.07	-9.19	28.20	CO 6	
				Min V _z	-47.68	22.72	-5.03	0.12	1.90	29.78	CO 13	
				Max M _T	-47.68	22.72	-5.03	0.12	1.90	29.78	CO 13	
				Min M _T	-41.58	12.86	12.53	0.07	-9.19	28.21	CO 4	
				Max M _y	-47.68	22.72	-5.03	0.12	1.90	29.78	CO 13	
				Min M _y	-41.62	12.85	12.53	0.07	-9.19	28.20	CO 6	
				Max M _z	-50.65	26.77	-4.77	0.08	1.29	37.55	CO 3	
				Min M _z	-38.62	8.80	12.27	0.11	-8.58	20.44	CO 14	
				Max N	-19.90	14.86	-3.28	0.09	2.57	-7.93	CO 10	
				Min N	-44.43	12.80	3.26	0.10	-0.46	-13.49	CO 7	
				Max V _y	-29.11	17.73	-3.09	0.07	2.67	-10.20	CO 4	
				Min V _y	-35.22	9.94	3.06	0.12	-0.57	-11.23	CO 13	
				Max V _z	-38.22	13.99	3.32	0.08	-0.53	-13.65	CO 5	
				Min V _z	-26.15	13.67	-3.34	0.11	2.63	-7.77	CO 14	
				Max M _T	-35.22	9.94	3.06	0.12	-0.57	-11.23	CO 13	
				Min M _T	-29.11	17.73	-3.09	0.07	2.67	-10.20	CO 4	
				Max M _y	-35.36	16.53	-3.15	0.09	2.74	-10.04	CO 8	
				Min M _y	-28.96	11.13	3.13	0.10	-0.64	-11.39	CO 9	
				Max M _z	-26.15	13.67	-3.34	0.11	2.63	-7.77	CO 14	
				Min M _z	-38.18	14.00	3.32	0.08	-0.53	-13.65	CO 3	
				Max N	-19.90	14.86	-3.28	0.09	2.57	-7.93	CO 10	
				Min N	-44.43	12.80	3.26	0.10	-0.46	-13.49	CO 7	
				Max V _y	-29.11	17.73	-3.09	0.07	2.67	-10.20	CO 4	
				Min V _y	-35.22	9.94	3.06	0.12	-0.57	-11.23	CO 13	
				Max V _z	-38.22	13.99	3.32	0.08	-0.53	-13.65	CO 5	
				Min V _z	-26.15	13.67	-3.34	0.11	2.63	-7.77	CO 14	
				Max M _T	-35.22	9.94	3.06	0.12	-0.57	-11.23	CO 13	
				Min M _T	-29.11	17.73	-3.09	0.07	2.67	-10.20	CO 4	
				Max M _y	-35.36	16.53	-3.15	0.09	2.74	-10.04	CO 8	
				Min M _y	-28.96	11.13	3.13	0.10	-0.64	-11.39	CO 9	
				Max M _z	-26.15	13.67	-3.34	0.11	2.63	-7.77	CO 14	
				Min M _z	-38.18	14.00	3.32	0.08	-0.53	-13.65	CO 3	
				Max N	-14.24	17.18	-10.36	0.09	-5.20	-26.19	CO 10	
				Min N	-38.78	6.99	6.92	0.10	5.34	-24.77	CO 7	
				Max V _y	-23.46	20.04	-10.17	0.07	-4.88	-31.71	CO 4	
				Min V _y	-29.56	4.13	6.73	0.12	5.01	-19.24	CO 13	
				Max V _z	-32.57	8.18	6.99	0.08	5.35	-26.28	CO 5	
				Min V _z	-20.50	15.99	-10.42	0.11	-5.21	-24.67	CO 14	
				Max M _T	-29.56	4.13	6.73	0.12	5.01	-19.24	CO 13	
				Min M _T	-23.46	20.04	-10.17	0.07	-4.88	-31.71	CO 4	
				Max M _y	-32.57	8.18	6.99	0.08	5.35	-26.28	CO 5	
				Min M _y	-20.50	15.99	-10.42	0.11	-5.21	-24.67	CO 14	
				Max M _z	-29.56	4.13	6.73	0.12	5.01	-19.24	CO 13	
				Min M _z	-23.46	20.04	-10.17	0.07	-4.88	-31.71	CO 4	
				Max N	-14.24	17.18	-10.36	0.09	-5.20	-26.19	CO 10	
				Min N	-38.78	6.99	6.92	0.10	5.34	-24.77	CO 7	
				Max V _y	-23.46	20.04	-10.17	0.07	-4.88	-31.71	CO 4	
				Min V _y	-29.56	4.13	6.73	0.12	5.01	-19.24	CO 13	
				Max V _z	-32.57	8.18	6.99	0.08	5.35	-26.28	CO 5	
				Min V _z	-20.50	15.99	-10.42	0.11	-5.21	-24.67	CO 14	
				Max M _T	-29.56	4.13	6.73	0.12	5.01	-19.24	CO 13	
				Min M _T	-23.46	20.04	-10.17	0.07	-4.88	-31.71	CO 4	
				Max M _y	-32.57	8.18	6.99	0.08	5.35	-26.28	CO 5	
				Min M _y	-20.50	15.99	-10.42	0.11	-5.21	-24.67	CO 14	
				Max M _z	-29.56	4.13	6.73	0.12	5.01	-19.24	CO 13	
				Min M _z	-23.46	20.04	-10.17	0.07	-4.88	-31.71	CO 4	
	RC2	15	0.000 Left	Max N	-25.23	7.40	8.28	0.06	-5.96	16.78	CO 24	
				Min N	-42.73	17.91	-3.16	0.07	0.91	24.54	CO 21	
				Max V _y	-38.10	18.80	-3.11	0.05	0.74	26.65	CO 17	
				Min V _y	-29.86	6.51	8.23	0.08	-5.79	14.67	CO 28	
				Max V _z	-32.09	9.51	8.42	0.05	-6.25	20.41	CO 20	
				Min V _z	-35.90	15.79	-3.30	0.08	1.19	20.90	CO 27	
				Max M _T	-35.90	15.79	-3.30	0.08	1.19	20.90	CO 27	
				Min M _T	-32.06	9.52	8.42	0.05	-6.24	20.42	CO 18	
				Max M _y	-35.90	15.79	-3.30	0.08	1.19	20.90	CO 27	
				Min M _y	-32.09	9.51	8.42	0.05	-6.25	20.41	CO 20	
				Max M _z	-38.10	18.80	-3.11	0.05	0.74	26.65	CO 17	
				Min M _z	-29.86	6.51	8.23	0.08	-5.79	14.67	CO 28	
				0.000 Right	Max N	-25.23	7.40	8.28	0.06	-5.96	16.78	CO 24
					Min N	-42.73	17.91	-3.16	0.07	0.91	24.54	CO 21
					Max V _y	-38.10	18.80	-3.11	0.05	0.74	26.65	CO 17
					Min V _y	-29.86	6.51	8.23	0.08	-5.79	14.67	CO 28
					Max V _z	-32.09	9.51	8.42	0.05	-6.25	20.41	CO 20
					Min V _z	-35.90	15.79	-3.30	0.08	1.19	20.90	CO 27
					Max M _T	-35.90	15.79	-3.30	0.08	1.19	20.90	CO 27
					Min M _T	-32.06	9.52	8.42	0.05	-6.24	20.42	CO 18
					Max M _y	-35.90	15.79	-3.30	0.08	1.19	20.90	CO 27
					Min M _y	-32.09	9.51	8.42	0.05	-6.25	20.41	CO 20
					Max M _z	-38.10	18.80	-3.11	0.05	0.74	26.65	CO 17
					Min M _z	-29.86	6.51	8.23	0.08	-5.79	14.67	CO 28
				2.511 Left	Max N	-15.99	10.64	-2.13	0.06	1.76	-5.87	CO 24
					Min N	-33.50	9.39	2.23	0.07	-0.25	-9.74	CO 21
					Max V _y	-22.82	12.76	-1.99	0.05	1.84	-7.55	CO 18
					Min V _y	-26.67	7.27	2.09	0.08	-0.33	-8.06	CO 27
					Max V _z	-28.90	10.27	2.28	0.05	-0.30	-9.85	CO 19
					Min V _z	-20.63	9.76	-2.18	0.08	1.81	-5.76	CO 28
					Max M _T	-26.67	7.27	2.09	0.08	-0.33	-8.06	CO 27
					Min M _T	-22.82	12.76	-1.99	0.05	1.84	-7.55	CO 18
					Max M _y	-27.45	11.88	-2.04	0.06	1.89	-7.43	CO 22
					Min M _y	-22.04	8.16	2.14	0.07	-0.38	-8.18	CO 23



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
68	RC2		2.511 Right	Max M _z	-20.63	9.76	-2.18	0.08	1.81	-5.76	CO 28		
				Min M _z	-28.86	10.28	2.28	0.05	-0.30	-9.85	CO 17		
				Max N	-15.99	10.64	-2.13	0.06	1.76	-5.87	CO 24		
				Min N	-33.49	9.39	2.23	0.07	-0.25	-9.74	CO 21		
				Max V _y	-22.82	12.76	-1.99	0.05	1.84	-7.55	CO 18		
				Min V _y	-26.67	7.27	2.09	0.08	-0.33	-8.06	CO 27		
				Max V _z	-28.90	10.27	2.28	0.05	-0.30	-9.85	CO 19		
				Min V _z	-20.63	9.76	-2.18	0.08	1.81	-5.76	CO 28		
				Max M _T	-26.67	7.27	2.09	0.08	-0.33	-8.06	CO 27		
				Min M _T	-22.82	12.76	-1.99	0.05	1.84	-7.55	CO 18		
				Max M _y	-27.45	11.88	-2.04	0.06	1.89	-7.43	CO 22		
				Min M _y	-22.04	8.16	2.14	0.07	-0.38	-8.18	CO 23		
				Max M _z	-20.63	9.76	-2.18	0.08	1.81	-5.76	CO 28		
				Min M _z	-28.86	10.28	2.28	0.05	-0.30	-9.85	CO 17		
				Max N	-11.81	12.19	-6.85	0.06	-3.36	-18.88	CO 24		
				Min N	-29.31	5.52	4.68	0.07	3.69	-18.23	CO 21		
				Max V _y	-18.63	14.31	-6.71	0.05	-3.12	-22.97	CO 18		
				Min V _y	-22.48	3.40	4.54	0.08	3.45	-14.14	CO 27		
				Max V _z	-24.71	6.40	4.73	0.05	3.70	-19.35	CO 19		
				Min V _z	-16.44	11.30	-6.90	0.08	-3.36	-17.75	CO 28		
				Max M _T	-22.48	3.40	4.54	0.08	3.45	-14.14	CO 27		
				Min M _T	-18.63	14.31	-6.71	0.05	-3.12	-22.97	CO 18		
				Max M _y	-24.71	6.40	4.73	0.05	3.70	-19.35	CO 19		
				Min M _y	-16.44	11.30	-6.90	0.08	-3.36	-17.75	CO 28		
				Max M _z	-22.48	3.40	4.54	0.08	3.45	-14.14	CO 27		
				Min M _z	-18.63	14.31	-6.71	0.05	-3.12	-22.97	CO 18		
		72	3.650 Left	Max N	-11.81	12.19	-6.85	0.06	-3.36	-18.88	CO 24		
				Min N	-29.31	5.52	4.68	0.07	3.69	-18.23	CO 21		
				Max V _y	-18.63	14.31	-6.71	0.05	-3.12	-22.97	CO 18		
				Min V _y	-22.48	3.40	4.54	0.08	3.45	-14.14	CO 27		
				Max V _z	-24.71	6.40	4.73	0.05	3.70	-19.35	CO 19		
				Min V _z	-16.44	11.30	-6.90	0.08	-3.36	-17.75	CO 28		
				Max M _T	-22.48	3.40	4.54	0.08	3.45	-14.14	CO 27		
				Min M _T	-18.63	14.31	-6.71	0.05	-3.12	-22.97	CO 18		
				Max M _y	-24.71	6.40	4.73	0.05	3.70	-19.35	CO 19		
				Min M _y	-16.44	11.30	-6.90	0.08	-3.36	-17.75	CO 28		
				Max M _z	-22.48	3.40	4.54	0.08	3.45	-14.14	CO 27		
				Min M _z	-18.63	14.31	-6.71	0.05	-3.12	-22.97	CO 18		
				72	3.650 Right	Max N	-11.81	12.19	-6.85	0.06	-3.36	-18.88	CO 24
						Min N	-29.31	5.52	4.68	0.07	3.69	-18.23	CO 21
						Max V _y	-18.63	14.31	-6.71	0.05	-3.12	-22.97	CO 18
						Min V _y	-22.48	3.40	4.54	0.08	3.45	-14.14	CO 27
						Max V _z	-24.71	6.40	4.73	0.05	3.70	-19.35	CO 19
						Min V _z	-16.44	11.30	-6.90	0.08	-3.36	-17.75	CO 28
						Max M _T	-22.48	3.40	4.54	0.08	3.45	-14.14	CO 27
						Min M _T	-18.63	14.31	-6.71	0.05	-3.12	-22.97	CO 18
						Max M _y	-24.71	6.40	4.73	0.05	3.70	-19.35	CO 19
						Min M _y	-16.44	11.30	-6.90	0.08	-3.36	-17.75	CO 28
						Max M _z	-22.48	3.40	4.54	0.08	3.45	-14.14	CO 27
						Min M _z	-18.63	14.31	-6.71	0.05	-3.12	-22.97	CO 18
72	0.000	Max N	3.55			11.75	-3.52	-1.18	3.51	23.82	LC 1-5		
		Min N	-86.00			7.81	4.93	1.19	-6.00	10.22	LC 1-4		
		Max V _y	-39.05			32.90	-1.11	-0.74	0.79	56.94	LC 1-5		
		Min V _y	-43.41			-13.34	2.53	0.75	-3.29	-22.91	LC 1-4		
		Max V _z	-78.36			1.31	5.40	1.41	-6.51	-0.14	LC 1-5		
		Min V _z	-4.10			18.25	-3.98	-1.39	4.01	34.18	LC 1-4		
		Max M _T	-72.78			-0.71	4.93	1.56	-5.80	-3.25	LC 1-5		
		Min M _T	-9.68			20.27	-3.52	-1.55	3.30	37.28	LC 1-4		
		Max M _y	-3.99			18.16	-3.88	-1.31	4.13	33.87	LC 1-4		
		Min M _y	-78.47			1.39	5.30	1.32	-6.63	0.16	LC 1-5		
		Max M _z	-36.92			32.85	-1.29	-0.78	0.99	57.04	LC 1-5		
		Min M _z	-45.54			-13.29	2.71	0.79	-3.49	-23.01	LC 1-4		
		Max N	16.97	12.22	1.95	-1.18	-0.68	-19.97	LC 1-5				
		Min N	-72.58	7.34	-0.53	1.19	3.36	-17.37	LC 1-4				
		Max V _y	-24.10	27.90	1.45	-0.76	0.74	-54.97	LC 1-5				
		Min V _y	-31.51	-8.35	-0.04	0.78	1.93	17.63	LC 1-4				
		Max V _z	7.19	18.46	2.31	-1.48	-0.29	-33.10	LC 1-5				
		Min V _z	-62.80	1.10	-0.89	1.50	2.96	-4.24	LC 1-4				
		Max M _T	-59.35	1.22	-0.81	1.56	2.93	-3.73	LC 1-5				
		Min M _T	3.74	18.34	2.23	-1.55	-0.26	-33.62	LC 1-4				
		Max M _y	-69.28	3.89	-0.50	1.14	3.50	-10.08	LC 1-4				
		Min M _y	13.66	15.67	1.92	-1.13	-0.83	-27.26	LC 1-5				
		Max M _z	-28.74	-8.28	0.04	0.71	1.80	17.75	LC 1-4				
		Min M _z	-26.87	27.84	1.38	-0.70	0.87	-55.09	LC 1-5				
Section No. 5: Rectangle 300/1200													
17	RC1	19	0.000	Max N	-1122.22	2.05	37.53	0.48	-8.24	1.73	CO 13		
				Min N	-1312.36	4.24	48.93	0.55	-9.55	3.52	CO 6		
				Max V _y	-1290.99	4.25	47.46	0.55	-9.25	3.53	CO 4		
				Min V _y	-1122.22	2.05	37.53	0.48	-8.24	1.73	CO 13		
				Max V _z	-1276.35	4.07	49.32	0.55	-9.60	3.38	CO 8		
				Min V _z	-1136.85	2.23	35.67	0.48	-7.89	1.88	CO 9		
				Max M _T	-1249.12	2.50	39.84	0.56	-9.03	2.11	CO 1		
				Min M _T	-1164.09	3.80	45.14	0.47	-8.46	3.15	CO 12		
				Max M _y	-1136.85	2.23	35.67	0.48	-7.89	1.88	CO 9		
				Min M _y	-1276.35	4.07	49.32	0.55	-9.60	3.38	CO 8		
				Max M _z	-1290.99	4.25	47.46	0.55	-9.25	3.53	CO 4		
				Min M _z	-1122.22	2.05	37.53	0.48	-8.24	1.73	CO 13		
				Max N	-1086.48	2.00	37.41	0.48	104.26	-4.41	CO 13		
				Min N	-1276.62	4.11	48.74	0.54	137.11	-9.16	CO 6		
				Max V _y	-1255.25	4.12	47.29	0.54	133.02	-9.18	CO 4		
				Min V _y	-1086.48	2.00	37.41	0.48	104.26	-4.41	CO 13		
				Max V _z	-1240.62	3.95	49.14	0.54	138.23	-8.79	CO 8		
				Min V _z	-1101.11	2.18	35.55	0.48	99.04	-4.80	CO 9		
				Max M _T	-1213.37	2.43	39.70	0.56	110.40	-5.38	CO 1		
				Min M _T	-1128.35	3.69	44.99	0.46	126.87	-8.21	CO 12		
		Max M _y	-1240.62	3.95	49.14	0.54	138.23	-8.79	CO 8				
		Min M _y	-1101.11	2.18	35.55	0.48	99.04	-4.80	CO 9				
		Max M _z	-1086.48	2.00	37.41	0.48	104.26	-4.41	CO 13				
		Min M _z	-1255.25	4.12	47.29	0.54	133.02	-9.18	CO 4				
		19	0.000	Max N	-798.70	1.46	26.47	0.34	-5.80	1.23	CO 27		
				Min N	-939.11	2.96	34.31	0.39	-6.75	2.46	CO 20		
				Max V _y	-923.28	2.97	33.23	0.39	-6.52	2.46	CO 18		
				Min V _y	-798.70	1.46	26.47	0.34	-5.80	1.23	CO 27		
				Max V _z	-912.44	2.83	34.60	0.39	-6.78	2.35	CO 22		
				Min V _z	-809.54	1.59	25.09	0.34	-5.54	1.34	CO 23		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
17	RC2	20	3.000	Max M _T	-892.71	1.79	28.18	▷ 0.39	-6.38	1.51	CO 15
				Min M _T	-829.28	2.63	31.51	▷ 0.33	-5.94	2.18	CO 26
				Max M _y	-809.54	1.59	25.09	▷ 0.34	-5.54	1.34	CO 23
				Min M _y	-912.44	2.83	34.60	▷ 0.39	-6.78	2.35	CO 22
				Max M _z	-923.28	2.97	33.23	▷ 0.39	-6.52	2.46	CO 18
				Min M _z	-798.70	1.46	26.47	▷ 0.34	-5.80	1.23	CO 27
				Max N	-772.23	1.43	26.41	▷ 0.33	73.57	-3.14	CO 27
				Min N	-912.64	2.90	34.22	▷ 0.38	96.13	-6.40	CO 20
				Max V _y	-896.81	▷ 2.90	33.14	▷ 0.38	93.10	-6.42	CO 18
				Min V _y	-772.23	▷ 1.43	26.41	▷ 0.33	73.57	-3.14	CO 27
				Max V _z	-885.97	2.77	▷ 34.51	▷ 0.38	96.96	-6.13	CO 22
				Min V _z	-783.06	1.56	▷ 25.03	▷ 0.33	69.70	-3.43	CO 23
				Max M _T	-866.23	1.76	28.11	▷ 0.39	78.12	-3.86	CO 15
				Min M _T	-802.80	2.58	31.44	▷ 0.33	88.54	-5.70	CO 26
				Max M _y	-885.97	2.77	34.51	▷ 0.38	96.96	-6.13	CO 22
				Min M _y	-783.06	1.56	25.03	▷ 0.33	69.70	-3.43	CO 23
				Max M _z	-772.23	1.43	26.41	▷ 0.33	73.57	-3.14	CO 27
				Min M _z	-896.81	2.90	33.14	▷ 0.38	93.10	-6.42	CO 18
	RC6	19	0.000	Max N	-530.77	-4.82	-104.29	▷ 0.10	0.96	-3.91	LC 1-4
				Min N	-836.58	7.82	142.06	▷ 0.36	-9.43	6.40	LC 1-5
				Max V _y	-761.48	▷ 18.36	23.01	▷ 0.62	-4.78	14.96	LC 1-5
				Min V _y	-605.87	▷ -15.36	14.76	-15.15	-3.69	-12.47	LC 1-4
				Max V _z	-831.46	2.96	▷ 148.62	▷ 0.25	-9.66	2.45	LC 1-5
				Min V _z	-535.89	0.03	▷ -110.86	▷ 0.21	1.19	0.04	LC 1-4
				Max M _T	-752.49	15.39	18.65	▷ 0.69	-4.60	12.54	LC 1-5
				Min M _T	-614.86	-12.40	19.12	▷ -0.23	-3.87	-10.05	LC 1-4
				Max M _y	-535.51	-0.07	-110.81	▷ 0.21	1.19	-0.04	LC 1-4
				Min M _y	-831.84	3.06	148.58	▷ 0.26	-9.66	2.53	LC 1-5
				Max M _z	-761.52	18.36	23.05	▷ 0.62	-4.78	14.96	LC 1-5
				Min M _z	-605.83	-15.36	14.72	-15.15	-3.69	-12.47	LC 1-4
		20	3.000	Max N	-504.29	-4.74	-104.14	▷ 0.10	-311.66	10.45	LC 1-4
				Min N	-810.11	7.74	141.91	▷ 0.36	416.50	-16.95	LC 1-5
				Max V _y	-735.02	▷ 18.14	23.00	▷ 0.62	64.23	-39.82	LC 1-5
				Min V _y	-579.37	▷ -15.14	14.77	-15.15	40.61	33.32	LC 1-4
				Max V _z	-804.99	2.95	▷ 148.47	▷ 0.25	435.95	-6.42	LC 1-5
				Min V _z	-509.41	0.05	▷ -110.70	▷ 0.21	-331.11	-0.08	LC 1-4
				Max M _T	-726.02	15.21	18.65	▷ 0.69	51.34	-33.40	LC 1-5
				Min M _T	-588.38	-12.22	19.12	▷ -0.23	53.50	26.89	LC 1-4
				Max M _y	-804.98	2.95	148.47	▷ 0.25	435.95	-6.41	LC 1-5
				Min M _y	-509.41	0.05	-110.70	▷ 0.21	-331.11	-0.09	LC 1-4
				Max M _z	-579.39	-15.14	14.78	-15.15	40.65	33.32	LC 1-4
				Min M _z	-735.00	18.14	22.99	▷ 0.62	64.19	-39.82	LC 1-5
18	RC1	20	0.000	Max N	-717.14	-1.15	77.96	▷ 0.60	-142.58	1.72	CO 13
				Min N	-846.49	-12.98	74.63	▷ 0.78	-136.13	-5.37	CO 6
				Max V _y	-803.85	▷ -1.13	87.79	▷ 0.70	-162.58	1.60	CO 1
				Min V _y	-846.49	▷ -12.98	74.63	▷ 0.78	-136.13	-5.37	CO 6
				Max V _z	-814.56	-1.18	▷ 90.80	▷ 0.71	-167.57	1.52	CO 7
				Min V _z	-738.36	-12.90	▷ 58.79	▷ 0.66	-106.17	-5.09	CO 10
				Max M _T	-846.49	-12.98	74.63	▷ 0.78	-136.13	-5.37	CO 6
				Min M _T	-733.89	-1.87	74.06	▷ 0.60	-136.15	1.05	CO 9
				Max M _y	-738.36	-12.90	58.79	▷ 0.66	-106.17	-5.09	CO 10
				Min M _y	-814.56	-1.18	90.80	▷ 0.71	-167.57	1.52	CO 7
				Max M _z	-717.14	-1.15	77.96	▷ 0.60	-142.58	1.72	CO 13
				Min M _z	-846.49	-12.98	74.63	▷ 0.78	-136.13	-5.37	CO 6
		24	3.650	Max N	-673.65	-1.04	77.97	▷ 0.61	142.20	5.74	CO 13
				Min N	-803.01	9.42	81.23	▷ 0.79	148.58	1.20	CO 6
				Max V _y	-764.83	▷ 10.22	79.11	▷ 0.76	144.36	-0.96	CO 2
				Min V _y	-798.53	▷ -1.80	89.92	▷ 0.74	162.37	7.69	CO 5
				Max V _z	-771.07	-1.05	▷ 90.81	▷ 0.72	164.16	5.64	CO 7
				Min V _z	-694.87	9.48	▷ 65.38	▷ 0.67	120.62	1.20	CO 10
				Max M _T	-803.01	9.42	81.23	▷ 0.79	148.58	1.20	CO 6
				Min M _T	-673.65	-1.04	77.97	▷ 0.61	142.20	5.74	CO 13
				Max M _y	-771.07	-1.05	90.81	▷ 0.72	164.16	5.64	CO 7
				Min M _y	-694.87	9.48	65.38	▷ 0.67	120.62	1.20	CO 10
				Max M _z	-701.11	-1.78	77.08	▷ 0.63	140.41	7.80	CO 11
				Min M _z	-764.83	10.22	79.11	▷ 0.76	144.36	-0.96	CO 2
	RC2	20	0.000	Max N	-512.85	-0.89	54.64	▷ 0.43	-100.10	1.07	CO 27
				Min N	-608.33	-8.83	53.31	▷ 0.55	-97.55	-3.72	CO 20
				Max V _y	-577.09	▷ -0.87	61.92	▷ 0.50	-114.90	0.99	CO 15
				Min V _y	-608.33	▷ -8.83	53.31	▷ 0.55	-97.55	-3.72	CO 20
				Max V _z	-585.02	-0.91	▷ 64.15	▷ 0.51	-118.60	0.93	CO 21
				Min V _z	-528.23	-8.77	▷ 41.57	▷ 0.46	-75.36	-3.51	CO 24
				Max M _T	-608.33	-8.83	53.31	▷ 0.55	-97.55	-3.72	CO 20
				Min M _T	-525.26	-1.42	51.75	▷ 0.43	-95.33	0.58	CO 23
				Max M _y	-528.23	-8.77	41.57	▷ 0.46	-75.36	-3.51	CO 24
				Min M _y	-585.02	-0.91	64.15	▷ 0.51	-118.60	0.93	CO 21
				Max M _z	-512.85	-0.89	54.64	▷ 0.43	-100.10	1.07	CO 27
				Min M _z	-608.33	-8.83	53.31	▷ 0.55	-97.55	-3.72	CO 20
		24	3.650	Max N	-480.64	-0.83	54.64	▷ 0.43	99.44	4.23	CO 27
				Min N	-576.12	6.07	57.71	▷ 0.56	105.21	1.35	CO 20
				Max V _y	-547.85	▷ 6.67	56.14	▷ 0.54	102.08	-0.26	CO 16
				Min V _y	-573.15	▷ -1.40	63.50	▷ 0.52	114.38	5.68	CO 19
				Max V _z	-552.81	-0.84	▷ 64.15	▷ 0.51	115.71	4.15	CO 21
				Min V _z	-496.01	6.12	▷ 45.97	▷ 0.47	84.49	1.35	CO 24
				Max M _T	-576.12	6.07	57.71	▷ 0.56	105.21	1.35	CO 20
				Min M _T	-480.64	-0.83	54.64	▷ 0.43	99.44	4.23	CO 27
				Max M _y	-552.81	-0.84	64.15	▷ 0.51	115.71	4.15	CO 21
				Min M _y	-496.01	6.12	45.97	▷ 0.47	84.49	1.35	CO 24
				Max M _z	-500.98	-1.39	53.98	▷ 0.44	98.12	5.75	CO 25
				Min M _z	-547.85	6.67	56.14	▷ 0.54	102.08	-0.26	CO 16
	RC6	20	0.000	Max N	-345.49	13.01	213.86	-1.12	-517.29	25.35	LC 1-4
				Min N	-579.39	-16.87	-134.59	1.89	366.90	-28.13	LC 1-5

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
18	RC6	24	3.650	Max V _y	-405.17	35.75	37.69	-3.07	-69.80	65.11	LC 1-4
				Min V _y	-519.71	-39.61	41.58	3.84	-80.58	-67.88	LC 1-5
				Max V _z	-398.53	0.46	236.03	0.09	-564.67	3.46	LC 1-5
				Min V _z	-526.35	-4.32	-156.77	0.68	414.29	-6.24	LC 1-4
				Max M _T	-519.98	-35.86	34.71	4.22	-62.79	-61.28	LC 1-5
				Min M _T	-404.90	32.01	44.55	-3.45	-87.60	58.51	LC 1-4
				Max M _y	-526.70	-4.15	-156.54	0.66	414.87	-5.95	LC 1-4
				Min M _y	-398.18	0.30	235.80	0.11	-565.26	3.17	LC 1-5
				Max M _z	-451.29	35.62	46.61	-3.00	-85.83	65.23	LC 1-5
				Min M _z	-473.59	-39.48	32.65	3.77	-64.56	-68.01	LC 1-4
				Max N	-313.27	11.33	210.69	-1.12	259.43	-20.11	LC 1-4
				Min N	-547.18	-15.18	-131.43	1.89	-120.50	31.40	LC 1-5
				Max V _y	-372.87	31.41	37.50	-3.07	67.51	-60.05	LC 1-4
				Min V _y	-487.58	-35.27	41.76	3.84	71.41	71.34	LC 1-5
				Max V _z	-366.24	0.15	232.47	0.09	292.34	2.13	LC 1-5
				Min V _z	-494.21	-4.01	-153.20	0.68	-153.42	9.15	LC 1-4
				Max M _T	-487.76	-31.93	34.88	4.22	64.11	64.85	LC 1-5
				Min M _T	-372.69	28.08	44.38	-3.45	74.81	-53.57	LC 1-4
				Max M _y	-367.70	0.46	231.35	0.06	293.61	1.52	LC 1-5
				Min M _y	-492.75	-4.31	-152.09	0.71	-154.69	9.76	LC 1-4
				Max M _z	-487.21	-35.24	42.35	3.84	72.05	71.38	LC 1-5
				Min M _z	-373.24	31.39	36.91	-3.07	66.87	-60.09	LC 1-4
39	RC1	47	0.000	Max N	-336.79	1.93	1.27	-0.01	-1.21	0.22	CO 14
				Min N	-397.25	2.27	1.18	-0.01	-1.63	0.26	CO 5
				Max V _y	-397.25	2.27	1.18	-0.01	-1.63	0.26	CO 5
				Min V _y	-336.79	1.93	1.27	-0.01	-1.21	0.22	CO 14
				Max V _z	-396.50	2.27	1.45	-0.01	-1.45	0.26	CO 6
				Min V _z	-337.53	1.93	1.01	-0.01	-1.39	0.22	CO 13
				Max M _T	-345.63	1.97	1.36	-0.01	-1.20	0.23	CO 10
				Min M _T	-381.66	2.19	1.09	-0.01	-1.60	0.25	CO 7
				Max M _y	-345.63	1.97	1.36	-0.01	-1.20	0.23	CO 10
				Min M _y	-397.25	2.27	1.18	-0.01	-1.63	0.26	CO 5
				Max M _z	-397.25	2.27	1.18	-0.01	-1.63	0.26	CO 5
				Min M _z	-336.79	1.93	1.27	-0.01	-1.21	0.22	CO 14
		50	3.000	Max N	-693.93	-108.03	-221.73	5.88	-118.80	27.04	CO 14
				Min N	-831.35	-129.11	-290.62	6.44	-172.79	32.46	CO 5
				Max V _y	-693.93	-108.03	-221.73	5.88	-118.80	27.04	CO 14
				Min V _y	-831.35	-129.11	-290.62	6.44	-172.79	32.46	CO 5
				Max V _z	-703.37	-110.67	-212.91	5.76	-114.19	27.81	CO 10
				Min V _z	-831.35	-129.11	-290.62	6.44	-172.79	32.46	CO 5
				Max M _T	-822.18	-125.33	-261.00	6.64	-144.02	31.44	CO 6
				Min M _T	-712.53	-114.45	-242.51	5.57	-142.95	28.84	CO 9
				Max M _y	-703.37	-110.67	-212.91	5.76	-114.19	27.81	CO 10
				Min M _y	-831.35	-129.11	-290.62	6.44	-172.79	32.46	CO 5
				Max M _z	-831.35	-129.11	-290.62	6.44	-172.79	32.46	CO 5
				Min M _z	-693.93	-108.03	-221.73	5.88	-118.80	27.04	CO 14
	RC2	47	0.000	Max N	-240.95	1.38	0.91	-0.00	-0.86	0.16	CO 28
				Min N	-285.68	1.63	0.87	-0.01	-1.16	0.19	CO 19
				Max V _y	-285.68	1.63	0.87	-0.01	-1.16	0.19	CO 19
				Min V _y	-240.95	1.38	0.91	-0.00	-0.86	0.16	CO 28
				Max V _z	-285.18	1.63	1.04	-0.01	-1.05	0.19	CO 20
				Min V _z	-241.45	1.38	0.74	-0.01	-0.98	0.16	CO 27
				Max M _T	-247.50	1.41	0.98	-0.00	-0.86	0.16	CO 24
				Min M _T	-274.13	1.57	0.80	-0.01	-1.14	0.18	CO 21
				Max M _y	-247.50	1.41	0.98	-0.00	-0.86	0.16	CO 24
				Min M _y	-285.68	1.63	0.87	-0.01	-1.16	0.19	CO 19
				Max M _z	-285.68	1.63	0.87	-0.01	-1.16	0.19	CO 19
				Min M _z	-240.95	1.38	0.91	-0.00	-0.86	0.16	CO 28
		50	3.000	Max N	-494.59	-76.07	-156.95	4.13	-84.64	19.05	CO 28
				Min N	-595.69	-91.40	-205.76	4.56	-122.47	22.99	CO 19
				Max V _y	-494.59	-76.07	-156.95	4.13	-84.64	19.05	CO 28
				Min V _y	-595.69	-91.40	-205.76	4.56	-122.47	22.99	CO 19
				Max V _z	-501.58	-78.02	-150.42	4.04	-81.22	19.62	CO 24
				Min V _z	-595.69	-91.40	-205.76	4.56	-122.47	22.99	CO 19
				Max M _T	-589.59	-88.88	-186.04	4.69	-103.31	22.30	CO 20
				Min M _T	-507.68	-80.53	-170.14	3.91	-100.38	20.30	CO 23
				Max M _y	-501.58	-78.02	-150.42	4.04	-81.22	19.62	CO 24
				Min M _y	-595.69	-91.40	-205.76	4.56	-122.47	22.99	CO 19
				Max M _z	-595.69	-91.40	-205.76	4.56	-122.47	22.99	CO 19
				Min M _z	-494.59	-76.07	-156.95	4.13	-84.64	19.05	CO 28
	RC6	47	0.000	Max N	-194.47	1.08	4.37	0.01	1.71	0.13	LC 1-4
				Min N	-244.60	1.42	-2.82	-0.02	-3.34	0.16	LC 1-5
				Max V _y	-244.59	1.42	-2.81	-0.02	-3.34	0.16	LC 1-5
				Min V _y	-194.47	1.08	4.35	0.01	1.70	0.13	LC 1-4
				Max V _z	-221.57	1.25	5.20	0.01	2.09	0.15	LC 1-5
				Min V _z	-217.49	1.25	-3.66	-0.02	-3.72	0.14	LC 1-4
				Max M _T	-200.36	1.13	5.10	0.01	2.15	0.13	LC 1-4
				Min M _T	-238.70	1.37	-3.56	-0.02	-3.79	0.15	LC 1-5
				Max M _y	-199.15	1.12	5.17	0.01	2.20	0.13	LC 1-4
				Min M _y	-239.92	1.38	-3.62	-0.02	-3.84	0.15	LC 1-5
				Max M _z	-243.96	1.42	0.38	-0.00	-1.24	0.16	LC 1-5
				Min M _z	-195.11	1.09	1.17	-0.00	-0.40	0.13	LC 1-4
		50	3.000	Max N	-272.93	-2.97	327.48	6.04	359.16	-0.17	LC 1-4
				Min N	-607.82	-114.24	-593.25	-0.14	-519.32	29.76	LC 1-5
				Max V _y	-343.69	46.18	-109.46	3.64	-61.06	-13.26	LC 1-4
				Min V _y	-537.06	-163.39	-156.31	2.26	-99.10	42.85	LC 1-5
				Max V _z	-288.81	-42.71	375.58	5.99	404.97	10.50	LC 1-4
				Min V _z	-591.94	-74.51	-641.35	-0.09	-565.13	19.10	LC 1-5
				Max M _T	-332.26	-31.19	321.40	6.81	362.92	7.18	LC 1-5
				Min M _T	-548.49	-86.02	-587.17	-0.91	-523.08	22.41	LC 1-4
				Max M _y	-288.70	-42.53	375.58	5.99	404.97	10.45	LC 1-4
				Min M _y	-592.05	-74.68	-641.35	-0.09	-565.14	19.15	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
39	RC6				Max M _z	-537.31	-163.39	-157.38	2.25	-100.13	42.85	LC 1-5
40	RC1	50	0.000		Min M _z	-343.43	46.18	-108.39	3.65	-60.03	-13.26	LC 1-4
					Max N	-641.94	-0.24	-90.65	-0.44	163.68	-2.86	CO 14
					Min N	-773.69	1.57	-83.27	-0.76	136.41	-1.10	CO 5
					Max V _y	-665.04	2.50	-71.64	-0.61	120.27	1.18	CO 9
					Min V _y	-739.92	-1.11	-99.19	-0.59	174.75	-5.01	CO 8
					Max V _z	-665.04	2.50	-71.64	-0.61	120.27	1.18	CO 9
					Min V _z	-739.92	-1.11	-99.19	-0.59	174.75	-5.01	CO 8
					Max M _T	-641.94	-0.24	-90.65	-0.44	163.68	-2.86	CO 14
					Min M _T	-773.69	1.57	-83.27	-0.76	136.41	-1.10	CO 5
					Max M _y	-739.92	-1.11	-99.19	-0.59	174.75	-5.01	CO 8
					Min M _y	-665.04	2.50	-71.64	-0.61	120.27	1.18	CO 9
					Max M _z	-665.04	2.50	-71.64	-0.61	120.27	1.18	CO 9
					Min M _z	-739.92	-1.11	-99.19	-0.59	174.75	-5.01	CO 8
		51	3.650		Max N	-598.45	-0.30	-90.65	-0.44	-167.41	-1.85	CO 14
					Min N	-730.21	1.45	-83.24	-0.76	-167.72	-6.67	CO 5
					Max V _y	-621.55	2.41	-71.62	-0.61	-141.35	-7.84	CO 9
					Min V _y	-696.44	-1.20	-99.18	-0.59	-187.56	-0.76	CO 8
					Max V _z	-621.55	2.41	-71.62	-0.61	-141.35	-7.84	CO 9
					Min V _z	-696.44	-1.20	-99.18	-0.59	-187.56	-0.76	CO 8
					Max M _T	-598.45	-0.30	-90.65	-0.44	-167.41	-1.85	CO 14
					Min M _T	-730.21	1.45	-83.24	-0.76	-167.72	-6.67	CO 5
					Max M _y	-621.55	2.41	-71.62	-0.61	-141.35	-7.84	CO 9
					Min M _y	-696.44	-1.20	-99.18	-0.59	-187.56	-0.76	CO 8
					Max M _z	-696.44	-1.20	-99.18	-0.59	-187.56	-0.76	CO 8
					Min M _z	-621.55	2.41	-71.62	-0.61	-141.35	-7.84	CO 9
	RC2	50	0.000		Max N	-460.34	-0.19	-63.09	-0.31	113.91	-2.04	CO 28
					Min N	-557.65	1.08	-58.77	-0.54	96.58	-0.88	CO 19
					Max V _y	-477.18	1.77	-50.15	-0.42	84.62	0.81	CO 23
					Min V _y	-532.91	-0.84	-69.42	-0.42	122.11	-3.64	CO 22
					Max V _z	-477.18	1.77	-50.15	-0.42	84.62	0.81	CO 23
					Min V _z	-532.91	-0.84	-69.42	-0.42	122.11	-3.64	CO 22
					Max M _T	-460.34	-0.19	-63.09	-0.31	113.91	-2.04	CO 28
					Min M _T	-557.65	1.08	-58.77	-0.54	96.58	-0.88	CO 19
					Max M _y	-532.91	-0.84	-69.42	-0.42	122.11	-3.64	CO 22
					Min M _y	-477.18	1.77	-50.15	-0.42	84.62	0.81	CO 23
					Max M _z	-477.18	1.77	-50.15	-0.42	84.62	0.81	CO 23
					Min M _z	-532.91	-0.84	-69.42	-0.42	122.11	-3.64	CO 22
		51	3.650		Max N	-428.12	-0.22	-63.09	-0.31	-116.49	-1.28	CO 28
					Min N	-525.44	1.02	-58.76	-0.54	-118.05	-4.75	CO 19
					Max V _y	-444.97	1.73	-50.15	-0.42	-98.52	-5.61	CO 23
RC6	50	0.000		Min V _y	-500.70	-0.88	-69.42	-0.42	-131.42	-0.47	CO 22	
				Max V _z	-444.97	1.73	-50.15	-0.42	-98.52	-5.61	CO 23	
				Min V _z	-500.70	-0.88	-69.42	-0.42	-131.42	-0.47	CO 22	
				Max M _T	-428.12	-0.22	-63.09	-0.31	-116.49	-1.28	CO 28	
				Min M _T	-525.44	1.02	-58.76	-0.54	-118.05	-4.75	CO 19	
				Max M _y	-444.97	1.73	-50.15	-0.42	-98.52	-5.61	CO 23	
				Min M _y	-500.70	-0.88	-69.42	-0.42	-131.42	-0.47	CO 22	
				Max M _z	-500.70	-0.88	-69.42	-0.42	-131.42	-0.47	CO 22	
				Min M _z	-444.97	1.73	-50.15	-0.42	-98.52	-5.61	CO 23	
				Max N	-354.00	-12.38	-237.81	2.58	600.03	-28.64	LC 1-4	
				Min N	-521.75	13.23	164.48	-3.18	-474.76	25.58	LC 1-5	
				Max V _y	-502.38	29.13	-52.14	-3.38	102.94	57.75	LC 1-5	
	51	3.650		Min V _y	-373.36	-28.29	-21.19	2.77	22.33	-60.81	LC 1-4	
				Max V _z	-467.22	-0.31	207.73	-1.88	-579.46	-2.15	LC 1-4	
				Min V _z	-408.52	1.15	-281.06	1.28	704.73	-0.91	LC 1-5	
				Max M _T	-375.99	-20.89	-67.45	3.83	145.95	-45.63	LC 1-4	
				Min M _T	-499.75	21.74	-5.87	-4.43	-20.68	42.57	LC 1-5	
				Max M _y	-408.50	1.25	-280.87	1.27	705.23	-0.70	LC 1-5	
				Min M _y	-467.24	-0.40	207.55	-1.87	-579.96	-2.36	LC 1-4	
				Max M _z	-464.51	29.12	-41.74	-3.33	84.48	58.00	LC 1-4	
				Min M _z	-411.23	-28.27	-31.59	2.73	40.79	-61.06	LC 1-5	
				Max N	-321.78	-11.09	-235.12	2.58	-264.88	15.11	LC 1-4	
				Min N	-489.53	11.93	161.79	-3.18	122.50	-21.26	LC 1-5	
				Max V _y	-470.23	26.29	-52.52	-3.40	-87.61	-45.32	LC 1-5	
83	RC1	24	0.000		Min V _y	-341.08	-25.44	-20.81	2.80	-54.77	39.16	LC 1-4
					Max V _z	-435.04	-0.31	204.45	-1.88	174.87	-1.04	LC 1-4
					Min V _z	-376.28	1.15	-277.77	1.28	-317.24	-5.12	LC 1-5
					Max M _T	-343.77	-18.96	-66.98	3.83	-99.71	28.46	LC 1-4
					Min M _T	-467.54	19.81	-6.35	-4.43	-42.67	-34.61	LC 1-5
					Max M _y	-434.64	-0.06	203.17	-1.89	176.15	-1.43	LC 1-4
					Min M _y	-376.68	0.91	-276.50	1.28	-318.53	-4.72	LC 1-5
					Max M _z	-341.92	-25.41	-17.70	2.77	-51.55	39.21	LC 1-4
					Min M _z	-469.39	26.26	-55.63	-3.37	-90.82	-45.36	LC 1-5
					Max N	-208.20	-3.66	68.22	0.00	-122.68	-8.41	CO 13
					Min N	-250.86	-20.09	72.36	-0.08	-136.69	-23.30	CO 4
					Max V _y	-208.20	-3.66	68.22	0.00	-122.68	-8.41	CO 13
		76	3.650		Min V _y	-250.54	-20.18	73.63	-0.08	-140.64	-23.46	CO 6
					Max V _z	-249.92	-6.40	80.89	-0.17	-147.33	-11.84	CO 7
					Min V _z	-209.13	-17.35	59.69	0.09	-112.04	-19.87	CO 10
					Max M _T	-209.13	-17.35	59.69	0.09	-112.04	-19.87	CO 10
					Min M _T	-249.92	-6.40	80.89	-0.17	-147.33	-11.84	CO 7
					Max M _y	-209.13	-17.35	59.69	0.09	-112.04	-19.87	CO 10
	Min M _y	-249.92	-6.40	80.89	-0.17	-147.33	-11.84	CO 7				
	Max M _z	-208.20	-3.66	68.22	0.00	-122.68	-8.41	CO 13				
	Min M _z	-250.54	-20.18	73.63	-0.08	-140.64	-23.46	CO 6				
	Max N	-164.71	-3.67	68.22	0.02	126.37	5.00	CO 13				
	Min N	-207.37	2.13	78.97	-0.05	139.56	9.59	CO 4				
	Max V _y	-165.06	5.75	68.11	0.06	118.68	1.92	CO 14				
	Min V _y	-206.69	-7.38	80.35	-0.09	147.93	12.81	CO 5				
	Max V _z	-206.43	-6.41	80.89	-0.14	147.99	11.60	CO 7				
	Min V _z	-165.64	4.86	66.30	0.11	117.94	2.98	CO 10				



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
83	RC1				Max M _T	-165.64	4.86	66.30	▷ 0.11	117.94	2.98	CO 10
					Min M _T	-206.43	-6.41	80.89	▷ -0.14	147.99	11.60	CO 7
					Max M _y	-206.43	-6.41	80.89	▷ -0.14	147.99	11.60	CO 7
					Min M _y	-165.64	4.86	66.30	0.11 ▷	117.94	2.98	CO 10
					Max M _z	-206.69	-7.38	80.35	-0.09 ▷	147.93	12.81	CO 5
					Min M _z	-165.06	5.75	68.11	0.06 ▷	118.68	1.92	CO 14
	RC2	24	0.000		Max N	▷ -153.43	-2.54	49.10	0.03	-87.03	-5.94	CO 27
					Min N	▷ -185.02	-13.77	52.66	-0.04	-97.74	-16.29	CO 18
					Max V _y	▷ -153.43	▷ -2.54	49.10	0.03	-87.03	-5.94	CO 27
					Min V _y	▷ -184.78	▷ -13.83	53.60	-0.04	-100.67	-16.40	CO 20
					Max V _z	▷ -184.35	-4.57 ▷	58.48	-0.10	-105.28	-8.49	CO 21
					Min V _z	▷ -154.10	-11.74 ▷	43.28	0.09	-79.49	-13.75	CO 24
					Max M _T	▷ -154.10	-11.74	43.28	▷ 0.09	-79.49	-13.75	CO 24
					Min M _T	▷ -184.35	-4.57	58.48	▷ -0.10	-105.28	-8.49	CO 21
					Max M _y	▷ -154.10	-11.74	43.28	0.09 ▷	-79.49	-13.75	CO 24
					Min M _y	▷ -184.35	-4.57	58.48	-0.10 ▷	-105.28	-8.49	CO 21
					Max M _z	▷ -153.43	-2.54	49.10	0.03 ▷	-87.03	-5.94	CO 27
					Min M _z	▷ -184.78	-13.83	53.60	-0.04 ▷	-100.67	-16.40	CO 20
		76	3.650		Max N	▷ -121.22	-2.55	49.10	0.04	92.22	3.36	CO 27
					Min N	▷ -152.80	1.04	57.07	-0.03	102.55	6.99	CO 18
					Max V _y	▷ -121.46	▷ 3.73	49.02	0.06	87.09	1.31	CO 28
					Min V _y	▷ -152.33	▷ -5.30	58.08	-0.05	108.18	9.15	CO 19
					Max V _z	▷ -152.13	-4.58 ▷	58.48	-0.09	108.22	8.26	CO 21
					Min V _z	▷ -121.88	3.07 ▷	47.69	0.10	86.55	2.10	CO 24
					Max M _T	▷ -121.88	3.07	47.69	▷ 0.10	86.55	2.10	CO 24
					Min M _T	▷ -152.13	-4.58	58.48	-0.09 ▷	108.22	8.26	CO 21
					Max M _y	▷ -152.13	-4.58	58.48	-0.09 ▷	108.22	8.26	CO 21
					Min M _y	▷ -121.88	3.07	47.69	0.10 ▷	86.55	2.10	CO 24
					Max M _z	▷ -152.33	-5.30	58.08	-0.05	108.18	9.15	CO 19
					Min M _z	▷ -121.46	3.73	49.02	0.06 ▷	87.09	1.31	CO 28
	RC6	24	0.000		Max N	▷ -147.64	5.54	136.94	-0.72	-211.38	9.41	LC 1-5
					Min N	▷ -204.16	-13.61	-43.62	0.90	63.11	-25.79	LC 1-4
					Max V _y	▷ -171.71	▷ 47.04	37.35	-3.82	-53.55	83.08	LC 1-4
					Min V _y	▷ -180.10	▷ -55.11	55.97	4.01	-94.72	-99.46	LC 1-5
					Max V _z	▷ -148.42	-5.44 ▷	140.24	0.20	-218.44	-10.24	LC 1-5
					Min V _z	▷ -203.38	-2.63 ▷	-46.93	-0.01	70.17	-6.14	LC 1-4
					Max M _T	▷ -181.37	-48.96	50.78	▷ 4.52	-81.49	-88.23	LC 1-4
					Min M _T	▷ -170.44	40.89	42.54	▷ -4.34	-66.78	71.85	LC 1-5
					Max M _y	▷ -202.75	-1.66	-45.98	-0.09 ▷	71.63	-4.41	LC 1-4
					Min M _y	▷ -149.05	-6.41	139.29	0.27 ▷	-219.90	-11.97	LC 1-5
					Max M _z	▷ -171.60	47.03	37.69	-3.81	-54.07	83.10	LC 1-4
					Min M _z	▷ -180.21	-55.10	55.63	4.00	-94.20	-99.48	LC 1-5
		76	3.650		Max N	▷ -115.42	2.28	126.25	-0.72	271.14	-5.73	LC 1-5
					Min N	▷ -171.95	-10.35	-32.94	0.90	-78.81	18.82	LC 1-4
					Max V _y	▷ -139.82	▷ 33.73	36.74	-3.79	81.15	-67.67	LC 1-4
					Min V _y	▷ -147.55	-41.81	56.57	3.98	111.18	80.76	LC 1-5
					Max V _z	▷ -116.28	-5.99 ▷	129.44	0.22	275.53	10.58	LC 1-5
					Min V _z	▷ -171.09	-2.08 ▷	-36.13	-0.03	-83.20	2.51	LC 1-4
					Max M _T	▷ -149.15	-36.88	50.66	▷ 4.52	103.70	71.42	LC 1-4
					Min M _T	▷ -138.22	28.81	42.65	▷ -4.34	88.63	-58.33	LC 1-5
					Max M _y	▷ -116.10	-5.44	128.94	0.16 ▷	276.65	9.49	LC 1-5
					Min M _y	▷ -171.27	-2.63	-35.62	0.03 ▷	-84.33	3.60	LC 1-4
					Max M _z	▷ -147.50	-41.80	56.76	3.99	111.60	80.76	LC 1-5
					Min M _z	▷ -139.87	33.73	36.55	-3.80	80.73	-67.67	LC 1-4
91	RC1	51	0.000		Max N	▷ -213.26	7.10	-66.85	0.70	120.08	14.51	CO 12
					Min N	▷ -261.28	5.69	-72.46	0.58	133.85	10.57	CO 1
					Max V _y	▷ -214.81	▷ 7.98	-63.66	0.67	116.79	16.07	CO 9
					Min V _y	▷ -259.73	▷ 4.81	-75.66	0.62	137.14	9.01	CO 8
					Max V _z	▷ -214.81	7.98 ▷	-63.66	0.67	116.79	16.07	CO 9
					Min V _z	▷ -259.73	4.81 ▷	-75.66	0.62	137.14	9.01	CO 8
					Max M _T	▷ -259.77	6.40	-73.76	▷ 0.71	130.80	13.34	CO 4
					Min M _T	▷ -214.77	6.39	-65.55	▷ 0.57	123.13	11.74	CO 13
					Max M _y	▷ -261.12	5.65	-73.67	0.58 ▷	137.63	10.52	CO 7
					Min M _y	▷ -213.42	7.14	-65.65	0.70 ▷	116.30	14.56	CO 10
					Max M _z	▷ -214.81	7.98	-63.66	0.67 ▷	116.79	16.07	CO 9
					Min M _z	▷ -259.73	4.81	-75.66	0.62 ▷	137.14	9.01	CO 8
		90	3.650		Max N	▷ -169.77	7.11	-66.85	0.71	-123.98	-11.50	CO 12
					Min N	▷ -217.79	5.69	-72.47	0.59	-130.72	-10.27	CO 1
					Max V _y	▷ -171.32	▷ 8.00	-63.66	0.67	-115.61	-13.18	CO 9
					Min V _y	▷ -216.24	▷ 4.81	-75.66	0.63	-139.10	-8.59	CO 8
					Max V _z	▷ -171.32	8.00 ▷	-63.66	0.67	-115.61	-13.18	CO 9
					Min V _z	▷ -216.24	4.81 ▷	-75.66	0.63	-139.10	-8.59	CO 8
					Max M _T	▷ -216.28	6.42	-73.76	▷ 0.73	-138.51	-10.14	CO 4
					Min M _T	▷ -171.28	6.39	-65.56	▷ 0.58	-116.20	-11.63	CO 13
					Max M _y	▷ -171.32	8.00	-63.66	0.67 ▷	-115.61	-13.18	CO 9
					Min M _y	▷ -216.12	6.38	-74.97	0.73 ▷	-139.12	-10.04	CO 6
					Max M _z	▷ -216.24	4.81	-75.66	0.63 ▷	-139.10	-8.59	CO 8
					Min M _z	▷ -171.32	8.00	-63.66	0.67 ▷	-115.61	-13.18	CO 9
	RC2	51	0.000		Max N	▷ -157.11	5.14	-48.05	0.50	85.12	10.47	CO 26
					Min N	▷ -192.56	4.03	-52.34	0.42	95.28	7.44	CO 15
					Max V _y	▷ -158.15	▷ 5.73	-45.83	0.48	82.65	11.51	CO 23
					Min V _y	▷ -191.52	▷ 3.44	-54.56	0.44	97.76	6.40	CO 22
					Max V _z	▷ -158.15	5.73 ▷	-45.83	0.48	82.65	11.51	CO 23
					Min V _z	▷ -191.52	3.44 ▷	-54.56	0.44	97.76	6.40	CO 22
					Max M _T	▷ -191.55	4.62	-53.16	▷ 0.51	93.06	9.60	CO 18
					Min M _T	▷ -158.12	4.55	-47.24	▷ 0.41	87.34	8.31	CO 27
					Max M _y	▷ -192.44	4.00	-53.23	▷ 0.41	98.08	7.40	CO 21
					Min M _y	▷ -157.23	5.17	-47.16	0.50 ▷	82.32	10.51	CO 24
	90	3.650		Max M _z	▷ -158.15	5.73	-45.83	0.48	82.65	11.51	CO 23	
				Min M _z	▷ -191.52	3.44	-54.56	0.44	97.76	6.40	CO 22	
				Max N	▷ -124.89	5.15	-48.05	0.51	-90.29	-8.34	CO 26	
				Min N	▷ -160.35	4.03	-52.35	0.42	-95.81	-7.31	CO 15	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding	
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
91	RC2			Max V _y	-125.94	5.74	-45.83	0.48	-84.67	-9.46	CO 23	
				Min V _y	-159.30	3.44	-54.56	0.45	-101.44	-6.18	CO 22	
				Max V _z	-125.94	5.74	-45.83	0.48	-84.67	-9.46	CO 23	
				Min V _z	-159.30	3.44	-54.56	0.45	-101.44	-6.18	CO 22	
				Max M _T	-159.34	4.63	-53.16	0.52	-101.00	-7.33	CO 18	
				Min M _T	-125.91	4.55	-47.24	0.41	-85.10	-8.32	CO 27	
				Max M _y	-125.94	5.74	-45.83	0.48	-84.67	-9.46	CO 23	
				Min M _y	-159.21	4.60	-54.05	0.52	-101.46	-7.26	CO 20	
				Max M _z	-159.30	3.44	-54.56	0.45	-101.44	-6.18	CO 22	
				Min M _z	-125.94	5.74	-45.83	0.48	-84.67	-9.46	CO 23	
	RC6	51	0.000	Max N	-156.20	-13.79	-103.69	2.36	135.12	-20.56	LC 1-5	
				Min N	-210.60	20.92	19.47	-1.62	-2.43	35.25	LC 1-4	
				Max V _y	-203.56	40.39	-52.80	-2.78	87.18	67.07	LC 1-5	
				Min V _y	-163.25	-33.26	-31.42	3.52	45.50	-52.39	LC 1-4	
				Max V _z	-202.04	1.61	34.79	-0.00	-26.66	3.91	LC 1-4	
				Min V _z	-164.76	5.52	-119.02	0.74	159.34	10.78	LC 1-5	
				Max M _T	-165.74	-23.96	-43.38	4.63	67.68	-37.38	LC 1-5	
				Min M _T	-201.07	31.09	-40.85	-3.89	65.01	52.07	LC 1-4	
				Max M _y	-167.33	6.95	-115.86	0.62	163.18	13.12	LC 1-5	
				Min M _y	-199.48	0.18	31.64	0.11	-30.50	1.56	LC 1-4	
		Max M _z	-203.58	40.38	-52.92	-2.81	87.36	67.09	LC 1-5			
		Min M _z	-163.23	-33.25	-31.31	3.54	45.32	-52.41	LC 1-4			
		90	3.650	Max N	-123.99	-8.86	-94.34	2.36	-228.12	22.08	LC 1-5	
				Min N	-178.39	15.99	10.12	-1.62	53.39	-33.41	LC 1-4	
				Max V _y	-171.30	30.29	-52.59	-2.87	-105.52	-64.43	LC 1-5	
				Min V _y	-131.08	-23.17	-31.63	3.60	-69.21	53.10	LC 1-4	
				Max V _z	-169.55	1.74	24.04	0.02	82.02	-2.06	LC 1-4	
				Min V _z	-132.83	5.38	-108.26	0.71	-256.75	-9.27	LC 1-5	
				Max M _T	-133.53	-16.89	-42.76	4.63	-89.67	38.98	LC 1-5	
				Min M _T	-168.85	24.02	-41.46	-3.89	-85.05	-50.31	LC 1-4	
	Max M _y			-170.37	2.31	23.21	-0.03	84.24	-3.30	LC 1-4		
	Min M _y			-132.01	4.82	-107.43	0.76	-258.96	-8.03	LC 1-5		
	Max M _z	-131.03	-23.16	-31.83	3.56	-69.72	53.11	LC 1-4				
	Min M _z	-171.35	30.29	-52.39	-2.82	-105.00	-64.44	LC 1-5				
	1	Section No. 6: Rectangle 750/300										
		RC1	1	0.000	Max N	-82.25	-3.31	0.05	-0.00	-0.01	-0.12	CO 14
					Min N	-98.52	-3.99	0.06	-0.00	-0.01	-0.18	CO 3
					Max V _y	-82.25	-3.31	0.05	-0.00	-0.01	-0.12	CO 14
					Min V _y	-98.43	-3.99	0.06	-0.00	-0.01	-0.17	CO 5
					Max V _z	-98.43	-3.99	0.06	-0.00	-0.01	-0.17	CO 5
Min V _z					-82.25	-3.31	0.05	-0.00	-0.01	-0.12	CO 14	
Max M _T					-82.87	-3.35	0.05	-0.00	-0.01	-0.17	CO 13	
Min M _T					-97.90	-3.95	0.06	-0.00	-0.01	-0.13	CO 4	
Max M _y					-82.25	-3.31	0.05	-0.00	-0.01	-0.12	CO 14	
Min M _y					-98.43	-3.99	0.06	-0.00	-0.01	-0.17	CO 5	
Max M _z					-86.84	-3.58	0.05	-0.00	-0.01	-0.10	CO 8	
Min M _z					-93.93	-3.71	0.06	-0.00	-0.01	-0.20	CO 9	
2			3.000	Max N	-111.59	6.25	15.24	-0.13	4.44	-3.62	CO 13	
				Min N	-141.05	14.90	18.19	-0.97	5.26	-12.13	CO 6	
				Max V _y	-141.05	14.90	18.19	-0.97	5.26	-12.13	CO 6	
				Min V _y	-111.59	6.25	15.24	-0.13	4.44	-3.62	CO 13	
				Max V _z	-130.91	11.84	18.57	-0.72	5.30	-8.94	CO 12	
				Min V _z	-121.64	9.29	14.85	-0.39	4.39	-6.73	CO 1	
				Max M _T	-111.59	6.25	15.24	-0.13	4.44	-3.62	CO 13	
				Min M _T	-140.97	14.87	18.19	-0.97	5.26	-12.06	CO 4	
				Max M _y	-130.91	11.84	18.57	-0.72	5.30	-8.94	CO 12	
				Min M _y	-121.64	9.29	14.85	-0.39	4.39	-6.73	CO 1	
				Max M _z	-111.59	6.25	15.24	-0.13	4.44	-3.62	CO 13	
				Min M _z	-141.05	14.90	18.19	-0.97	5.26	-12.13	CO 6	
RC2		1	0.000	Max N	-59.62	-2.39	0.04	-0.00	-0.01	-0.09	CO 28	
				Min N	-71.63	-2.88	0.04	-0.00	-0.01	-0.13	CO 17	
				Max V _y	-59.62	-2.39	0.04	-0.00	-0.01	-0.09	CO 28	
				Min V _y	-71.56	-2.89	0.04	-0.00	-0.01	-0.12	CO 19	
				Max V _z	-71.56	-2.89	0.04	-0.00	-0.01	-0.12	CO 19	
				Min V _z	-59.62	-2.39	0.04	-0.00	-0.01	-0.09	CO 28	
				Max M _T	-60.03	-2.41	0.04	-0.00	-0.01	-0.12	CO 27	
				Min M _T	-71.21	-2.86	0.04	-0.00	-0.01	-0.09	CO 18	
				Max M _y	-59.62	-2.39	0.04	-0.00	-0.01	-0.09	CO 28	
				Min M _y	-71.56	-2.89	0.04	-0.00	-0.01	-0.12	CO 19	
				Max M _z	-63.02	-2.59	0.04	-0.00	-0.01	-0.07	CO 22	
				Min M _z	-68.23	-2.68	0.04	-0.00	-0.01	-0.14	CO 23	
		2	3.000	Max N	-80.53	4.63	10.84	-0.11	3.16	-2.71	CO 27	
				Min N	-102.20	10.79	12.94	-0.70	3.75	-8.73	CO 20	
				Max V _y	-102.20	10.79	12.94	-0.70	3.75	-8.73	CO 20	
				Min V _y	-80.53	4.63	10.84	-0.11	3.16	-2.71	CO 27	
				Max V _z	-94.70	8.52	13.22	-0.52	3.78	-6.37	CO 26	
				Min V _z	-87.98	6.88	10.56	-0.30	3.12	-5.01	CO 15	
				Max M _T	-80.53	4.63	10.84	-0.11	3.16	-2.71	CO 27	
				Min M _T	-102.15	10.76	12.94	-0.70	3.75	-8.68	CO 18	
				Max M _y	-94.70	8.52	13.22	-0.52	3.78	-6.37	CO 26	
				Min M _y	-87.98	6.88	10.56	-0.30	3.12	-5.01	CO 15	
				Max M _z	-80.53	4.63	10.84	-0.11	3.16	-2.71	CO 27	
				Min M _z	-102.20	10.79	12.94	-0.70	3.75	-8.73	CO 20	
RC6		1	0.000	Max N	-25.40	-1.97	0.03	-0.01	-0.00	-0.01	LC 1-4	
				Min N	-96.25	-2.70	0.03	0.00	-0.01	-0.14	LC 1-5	
				Max V _y	-31.21	-1.59	-0.00	-0.01	0.00	1.16	LC 1-4	
				Min V _y	-90.44	-3.08	0.07	0.01	-0.01	-1.30	LC 1-5	
				Max V _z	-79.59	-3.04	0.07	0.01	-0.01	-1.40	LC 1-5	
				Min V _z	-42.05	-1.64	-0.01	-0.01	0.00	1.25	LC 1-4	
				Max M _T	-84.70	-2.90	0.06	0.01	-0.01	-1.34	LC 1-4	
				Min M _T	-36.95	-1.78	-0.00	-0.01	0.00	1.20	LC 1-5	
				Max M _y	-41.88	-1.63	-0.01	-0.01	0.00	1.26	LC 1-4	

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
1	RC6	2	3.000	Min M _y	-79.77	-3.04	0.07	0.01	-0.01	-1.40	LC 1-5
				Max M _z	-41.34	-1.63	-0.01	-0.01	0.00	1.26	LC 1-4
				Min M _z	-80.30	-3.04	0.07	0.01	-0.01	-1.40	LC 1-5
				Max N	1.09	-30.85	-79.79	-0.11	-21.03	25.98	LC 1-4
4	RC1	2	0.000	Min N	-169.20	48.54	96.69	-1.05	26.02	-39.63	LC 1-5
				Max V _y	-129.32	91.13	28.15	-5.25	8.43	-87.67	LC 1-5
				Min V _y	-38.79	-73.45	-11.25	4.09	-3.45	74.02	LC 1-4
				Max V _z	-165.49	30.85	99.67	0.12	26.63	-21.68	LC 1-5
				Min V _z	-2.63	-13.17	-82.77	-1.28	-21.65	8.03	LC 1-4
				Max M _T	-67.07	-66.59	21.52	4.44	5.21	69.82	LC 1-4
				Min M _T	-101.04	84.28	-4.62	-5.60	-0.23	-83.47	LC 1-5
				Max M _y	-166.25	33.23	99.63	-0.02	26.64	-24.06	LC 1-5
				Min M _y	-1.86	-15.54	-82.73	-1.13	-21.66	10.41	LC 1-4
				Max M _z	-42.39	-73.25	-6.80	4.19	-2.28	74.19	LC 1-4
				Min M _z	-125.72	90.94	23.70	-5.34	7.26	-87.84	LC 1-5
				Max N	-148.19	-5.07	-12.29	-0.34	9.04	-2.88	CO 13
				Min N	-183.97	-18.87	-6.10	-0.55	7.63	-19.12	CO 4
				Max V _y	-148.19	-5.07	-12.29	-0.34	9.04	-2.88	CO 13
				Min V _y	-183.96	-18.93	-6.11	-0.55	7.65	-19.22	CO 6
				Max V _z	-152.34	-13.14	-5.23	-0.28	6.95	-11.21	CO 14
				Min V _z	-179.81	-10.86	-13.18	-0.61	9.73	-10.89	CO 5
				Max M _T	-152.34	-13.14	-5.23	-0.28	6.95	-11.21	CO 14
				Min M _T	-179.81	-10.86	-13.18	-0.61	9.73	-10.89	CO 5
				Max M _y	-169.41	-7.75	-12.94	-0.45	9.80	-5.31	CO 11
				Min M _y	-162.75	-16.19	-5.45	-0.43	6.87	-16.69	CO 2
				Max M _z	-148.19	-5.07	-12.29	-0.34	9.04	-2.88	CO 13
				Min M _z	-183.96	-18.93	-6.11	-0.55	7.65	-19.22	CO 6
				Max N	-121.01	-18.05	5.00	-0.33	-4.31	39.33	CO 13
				Min N	-156.79	-18.84	-6.06	-0.54	-14.64	49.76	CO 4
				Max V _y	-125.17	-13.12	-5.21	-0.27	-12.15	36.74	CO 14
				Min V _y	-152.63	-23.83	4.13	-0.60	-6.83	52.46	CO 5
				Max V _z	-121.01	-18.05	5.00	-0.33	-4.31	39.33	CO 13
				Min V _z	-156.79	-18.90	-6.07	-0.54	-14.67	49.87	CO 6
				Max M _T	-125.17	-13.12	-5.21	-0.27	-12.15	36.74	CO 14
				Min M _T	-152.63	-23.83	4.13	-0.60	-6.83	52.46	CO 5
				Max M _y	-121.01	-18.05	5.00	-0.33	-4.31	39.33	CO 13
				Min M _y	-156.79	-18.90	-6.07	-0.54	-14.67	49.87	CO 6
				Max M _z	-152.63	-23.83	4.13	-0.60	-6.83	52.46	CO 5
				Min M _z	-125.17	-13.12	-5.21	-0.27	-12.15	36.74	CO 14
				Max N	-107.29	-3.82	-8.33	-0.24	6.18	-2.32	CO 27
				Min N	-133.49	-13.44	-4.27	-0.40	5.28	-13.72	CO 18
				Max V _y	-107.29	-3.82	-8.33	-0.24	6.18	-2.32	CO 27
				Min V _y	-133.49	-13.49	-4.28	-0.40	5.30	-13.80	CO 20
				Max V _z	-110.06	-9.20	-3.63	-0.20	4.78	-7.87	CO 28
				Min V _z	-130.72	-8.11	-8.99	-0.44	6.69	-8.25	CO 19
				Max M _T	-110.06	-9.20	-3.63	-0.20	4.78	-7.87	CO 28
				Min M _T	-130.72	-8.11	-8.99	-0.44	6.69	-8.25	CO 19
				Max M _y	-123.01	-5.81	-8.81	-0.32	6.74	-4.12	CO 25
				Min M _y	-117.77	-11.46	-3.79	-0.32	4.73	-11.92	CO 16
				Max M _z	-107.29	-3.82	-8.33	-0.24	6.18	-2.32	CO 27
				Min M _z	-133.49	-13.49	-4.28	-0.40	5.30	-13.80	CO 20
				Max N	-87.16	-12.48	3.19	-0.24	-3.23	27.43	CO 27
				Min N	-113.36	-13.43	-4.25	-0.40	-10.30	35.34	CO 18
				Max V _y	-89.93	-9.19	-3.61	-0.20	-8.45	25.70	CO 28
				Min V _y	-110.58	-16.76	2.55	-0.44	-5.10	37.16	CO 19
				Max V _z	-87.16	-12.48	3.19	-0.24	-3.23	27.43	CO 27
				Min V _z	-113.35	-13.47	-4.26	-0.40	-10.32	35.43	CO 20
				Max M _T	-89.93	-9.19	-3.61	-0.20	-8.45	25.70	CO 28
				Min M _T	-110.58	-16.76	2.55	-0.44	-5.10	37.16	CO 19
				Max M _y	-87.16	-12.48	3.19	-0.24	-3.23	27.43	CO 27
				Min M _y	-113.35	-13.47	-4.26	-0.40	-10.32	35.43	CO 20
				Max M _z	-110.58	-16.76	2.55	-0.44	-5.10	37.16	CO 19
				Min M _z	-89.93	-9.19	-3.61	-0.20	-8.45	25.70	CO 28
				Max N	-14.86	-14.60	22.92	-2.19	-48.29	-18.66	LC 1-4
				Min N	-207.44	-4.37	-27.43	1.48	52.84	-2.48	LC 1-5
				Max V _y	-126.60	45.97	-0.40	-1.15	-2.06	138.56	LC 1-4
				Min V _y	-95.71	-64.93	-4.11	0.44	6.61	-159.69	LC 1-5
				Max V _z	-17.86	-5.23	23.57	-2.36	-49.65	7.09	LC 1-4
				Min V _z	-204.44	-13.73	-28.08	1.65	54.20	-28.23	LC 1-5
				Max M _T	-192.04	-20.48	-26.36	1.90	51.30	-48.88	LC 1-4
				Min M _T	-30.27	1.52	21.85	-2.61	-46.75	27.74	LC 1-5
				Max M _y	-204.22	-14.55	-28.07	1.67	54.21	-30.44	LC 1-5
				Min M _y	-18.09	-4.42	23.56	-2.38	-49.66	9.30	LC 1-4
				Max M _z	-122.93	45.84	0.66	-1.22	-4.20	138.91	LC 1-4
				Min M _z	-99.38	-64.80	-5.17	0.51	8.76	-160.05	LC 1-5
				Max N	5.27	-14.50	20.72	-2.19	32.89	34.50	LC 1-4
				Min N	-187.31	-4.47	-25.23	1.48	-44.80	13.59	LC 1-5
				Max V _y	-106.61	44.21	-0.61	-1.15	-3.78	-27.13	LC 1-4
				Min V _y	-75.42	-63.17	-3.90	0.44	-8.13	75.22	LC 1-5
				Max V _z	2.59	-5.52	21.22	-2.35	33.70	26.48	LC 1-4
				Min V _z	-184.62	-13.44	-25.73	1.64	-45.61	21.61	LC 1-5
				Max M _T	-171.91	-20.06	-24.13	1.90	-42.40	25.41	LC 1-4
				Min M _T	-10.13	1.09	19.62	-2.61	30.50	22.67	LC 1-5
				Max M _y	2.77	-6.51	21.21	-2.34	33.73	27.39	LC 1-4
				Min M _y	-184.81	-12.46	-25.72	1.63	-45.63	20.70	LC 1-5
				Max M _z	-61.94	-61.96	-0.21	0.14	-1.95	76.34	LC 1-5
				Min M _z	-120.10	42.99	-4.30	-0.85	-9.96	-28.25	LC 1-4
21	RC1	25	0.000	Max N	-33.98	2.21	-0.06	-0.01	0.01	0.33	CO 14
				Min N	-35.41	2.39	-0.08	-0.01	0.01	0.35	CO 3
				Max V _y	-35.41	2.39	-0.08	-0.01	0.01	0.35	CO 3
				Min V _y	-33.98	2.21	-0.06	-0.01	0.01	0.33	CO 14
				Max V _z	-33.98	2.21	-0.06	-0.01	0.01	0.33	CO 14



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
21	RC1			Min V _z	-35.39	2.38	▷ -0.08	-0.01	0.01	0.35	CO 5
				Max M _T	-34.15	2.26	▷ -0.07	▷ -0.01	0.01	0.33	CO 9
				Min M _T	-35.34	2.36	▷ -0.07	▷ -0.01	0.01	0.35	CO 6
				Max M _y	-35.39	2.38	-0.08	-0.01	▷ 0.01	0.35	CO 5
				Min M _y	-33.98	2.21	-0.06	-0.01	▷ 0.01	0.33	CO 14
				Max M _z	-35.36	2.36	-0.07	-0.01	▷ 0.01	0.35	CO 4
				Min M _z	-34.03	2.23	-0.07	-0.01	▷ 0.01	0.32	CO 13
		26	3.000	Max N	▷ -2.74	0.99	4.93	-0.17	1.40	-0.81	CO 14
				Min N	▷ -3.45	0.66	8.14	-0.07	2.13	-0.81	CO 5
				Max V _y	-2.94	▷ 1.08	5.93	-0.14	1.64	-0.94	CO 8
				Min V _y	-3.25	▷ 0.57	7.13	-0.10	1.88	-0.68	CO 9
				Max V _z	-3.44	0.66	▷ 8.14	-0.07	2.13	-0.82	CO 3
				Min V _z	-2.74	0.99	▷ 4.93	-0.17	1.40	-0.81	CO 14
				Max M _T	-3.28	0.68	7.75	▷ -0.06	2.03	-0.85	CO 7
				Min M _T	-2.91	0.97	5.31	▷ -0.18	1.50	-0.78	CO 10
				Max M _y	-3.45	0.66	8.14	-0.07	2.13	-0.81	CO 5
				Min M _y	-2.74	0.99	4.93	-0.17	1.40	-0.81	CO 14
				Max M _z	-3.25	0.57	7.13	-0.10	1.88	-0.68	CO 11
				Min M _z	-2.94	1.08	5.94	-0.14	1.64	-0.95	CO 2
	RC2	25	0.000	Max N	▷ -24.78	1.60	-0.05	-0.00	0.01	0.23	CO 28
				Min N	▷ -25.83	1.73	-0.06	-0.00	0.01	0.25	CO 17
				Max V _y	▷ -25.83	1.73	-0.06	-0.00	0.01	0.25	CO 17
				Min V _y	-24.78	▷ 1.60	-0.05	-0.00	0.01	0.23	CO 28
				Max V _z	-24.78	1.60	▷ -0.05	-0.00	0.01	0.23	CO 28
				Min V _z	-25.82	1.73	▷ -0.06	-0.00	0.01	0.25	CO 19
				Max M _T	-24.90	1.63	-0.05	-0.00	0.01	0.24	CO 23
				Min M _T	-25.79	1.71	-0.05	-0.00	0.01	0.25	CO 20
				Max M _y	-25.82	1.73	-0.06	-0.00	▷ 0.01	0.25	CO 19
				Min M _y	-24.78	1.60	-0.05	-0.00	▷ 0.01	0.23	CO 28
				Max M _z	-25.80	1.71	-0.05	-0.00	▷ 0.01	0.25	CO 18
				Min M _z	-24.82	1.61	-0.05	-0.00	▷ 0.01	0.23	CO 27
		26	3.000	Max N	▷ -2.00	0.66	3.59	-0.12	1.01	-0.55	CO 28
				Min N	▷ -2.49	0.45	5.84	-0.05	1.53	-0.56	CO 19
				Max V _y	-2.14	▷ 0.73	4.34	-0.10	1.19	-0.65	CO 22
				Min V _y	-2.35	▷ 0.38	5.09	-0.07	1.35	-0.46	CO 23
				Max V _z	-2.49	0.44	▷ 5.84	-0.05	1.52	-0.56	CO 17
				Min V _z	-2.00	0.66	▷ 3.59	-0.12	1.01	-0.55	CO 28
				Max M _T	-2.37	0.46	5.55	-0.04	1.45	-0.59	CO 21
				Min M _T	-2.12	0.65	3.88	-0.13	1.09	-0.53	CO 24
				Max M _y	-2.49	0.45	5.84	-0.05	1.53	-0.56	CO 19
				Min M _y	-2.00	0.66	3.59	-0.12	1.01	-0.55	CO 28
				Max M _z	-2.35	0.38	5.09	-0.07	1.35	-0.46	CO 25
				Min M _z	-2.14	0.73	4.34	-0.10	1.19	-0.65	CO 16
	RC6	25	0.000	Max N	▷ -15.92	0.64	-0.05	-0.00	0.01	-0.24	LC 1-4
				Min N	▷ -29.65	2.19	-0.04	-0.00	0.01	0.62	LC 1-5
				Max V _y	-29.55	2.21	-0.04	-0.00	0.01	0.60	LC 1-5
				Min V _y	-16.02	0.63	-0.05	-0.00	0.01	-0.22	LC 1-4
				Max V _z	-23.24	1.29	▷ -0.01	-0.00	0.00	0.34	LC 1-4
				Min V _z	-22.32	1.55	▷ -0.08	-0.00	0.01	0.04	LC 1-5
				Max M _T	-22.40	1.56	-0.08	▷ -0.00	0.01	0.10	LC 1-4
				Min M _T	-23.16	1.27	-0.01	▷ -0.00	0.00	0.28	LC 1-5
				Max M _y	-22.33	1.55	-0.08	-0.00	▷ 0.01	0.04	LC 1-5
				Min M _y	-23.23	1.29	-0.01	-0.00	▷ 0.00	0.34	LC 1-4
				Max M _z	-29.48	2.13	-0.03	-0.00	▷ 0.00	0.63	LC 1-5
				Min M _z	-16.09	0.71	-0.06	-0.00	▷ 0.01	-0.26	LC 1-4
		26	3.000	Max N	▷ 4.93	5.33	-22.78	-1.43	-4.67	-2.05	LC 1-4
				Min N	▷ -9.02	-5.10	31.61	1.37	6.96	1.55	LC 1-5
				Max V _y	▷ 4.57	5.56	-21.84	-1.33	-4.45	-2.11	LC 1-5
				Min V _y	-8.66	▷ -5.32	30.67	1.28	6.74	1.61	LC 1-4
				Max V _z	-9.01	-5.14	▷ 31.66	1.36	6.97	1.55	LC 1-5
				Min V _z	4.92	5.37	▷ -22.83	-1.42	-4.69	-2.05	LC 1-4
				Max M _T	-8.49	-2.86	27.21	▷ 1.68	5.97	1.38	LC 1-5
				Min M _T	4.40	3.09	-18.38	▷ -1.73	-3.69	-1.88	LC 1-4
				Max M _y	-9.01	-5.14	31.66	1.36	6.97	1.55	LC 1-5
				Min M _y	4.92	5.38	-22.83	-1.42	-4.69	-2.05	LC 1-4
				Max M _z	-8.85	-5.23	31.09	1.37	6.82	1.66	LC 1-4
				Min M _z	4.76	5.46	-22.26	-1.43	-4.54	-2.16	LC 1-5
24	RC1	6	0.000	Max N	▷ -63.18	-15.36	-17.80	0.52	21.83	-37.06	CO 13
				Min N	▷ -76.62	-29.86	-11.41	0.84	21.25	-56.61	CO 6
				Max V _y	-63.18	▷ -15.36	-17.80	0.52	21.83	-37.06	CO 13
				Min V _y	-76.62	▷ -29.86	-11.41	0.84	21.25	-56.61	CO 6
				Max V _z	-68.55	-22.80	▷ -9.89	0.65	18.08	-41.38	CO 14
				Min V _z	-71.25	-22.41	▷ -19.32	0.72	25.00	-52.29	CO 5
				Max M _T	-76.52	-29.79	-11.39	▷ 0.84	21.20	-56.46	CO 4
				Min M _T	-63.18	-15.36	-17.80	▷ 0.52	21.83	-37.06	CO 13
				Max M _y	-71.25	-22.41	-19.32	▷ 0.72	25.00	-52.29	CO 5
				Min M _y	-68.55	-22.80	-9.89	▷ 0.65	18.08	-41.38	CO 14
				Max M _z	-63.18	-15.36	-17.80	0.52	21.83	-37.06	CO 13
				Min M _z	-76.62	-29.86	-11.41	0.84	21.25	-56.61	CO 6
		30	3.650	Max N	▷ -36.00	-28.36	-0.53	0.53	-11.65	42.75	CO 13
				Min N	▷ -49.44	-29.86	-11.42	0.86	-20.46	52.41	CO 6
				Max V _y	-41.37	▷ -22.81	-9.89	0.66	-18.06	41.88	CO 14
				Min V _y	-44.06	▷ -35.42	-2.05	0.73	-14.04	53.28	CO 5
				Max V _z	-36.00	▷ -28.36	-0.53	0.53	-11.65	42.75	CO 13
				Min V _z	-49.44	-29.86	▷ -11.42	0.86	-20.46	52.41	CO 6
				Max M _T	-49.34	-29.79	-11.39	▷ 0.86	-20.42	52.30	CO 4
				Min M _T	-36.00	-28.36	-0.53	▷ 0.53	-11.65	42.75	CO 13
				Max M _y	-36.00	-28.36	-0.53	▷ 0.53	-11.65	42.75	CO 13
				Min M _y	-49.44	-29.86	-11.42	▷ 0.86	-20.46	52.41	CO 6
				Max M _z	-44.06	-35.42	-2.05	0.73	-14.04	53.28	CO 5
	RC2	6	0.000	Min M _z	-41.37	-22.81	-9.89	0.66	-18.06	41.88	CO 14
				Max N	▷ -46.42	-11.39	-12.31	0.38	15.30	-26.38	CO 27



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding				
				N	V _y	V _z	M _T	M _y	M _z	Load Cases					
24	RC2	30	3.650	Min N	-55.98	-21.57	-8.16	0.60	15.14	-40.53	CO 20				
				Max V _y	-46.42	-11.39	-12.31	0.38	15.30	-26.38	CO 27				
				Min V _y	-55.98	-21.57	-8.16	0.60	15.14	-40.63	CO 20				
				Max V _z	-50.00	-16.35	-7.03	0.46	12.79	-29.26	CO 28				
				Min V _z	-52.39	-16.61	-13.43	0.52	17.64	-37.66	CO 19				
				Max M _T	-55.90	-21.52	-8.14	0.60	15.11	-40.43	CO 18				
				Min M _T	-46.42	-11.39	-12.31	0.38	15.30	-26.38	CO 27				
				Max M _y	-52.39	-16.61	-13.43	0.52	17.64	-37.66	CO 19				
				Min M _y	-50.00	-16.35	-7.03	0.46	12.79	-29.26	CO 28				
				Max M _z	-46.42	-11.39	-12.31	0.38	15.30	-26.38	CO 27				
				Min M _z	-55.98	-21.57	-8.16	0.60	15.14	-40.53	CO 20				
				Max N	-26.28	-20.06	-0.79	0.38	-8.63	31.02	CO 27				
				Min N	-35.84	-21.58	-8.16	0.61	-14.68	38.23	CO 20				
				Max V _y	-29.86	-16.35	-7.04	0.46	-12.91	30.44	CO 28				
				Min V _y	-32.26	-25.28	-1.92	0.53	-10.40	38.81	CO 19				
				Max V _z	-26.28	-20.06	-0.79	0.38	-8.63	31.02	CO 27				
				Min V _z	-35.84	-21.58	-8.16	0.61	-14.68	38.23	CO 20				
				Max M _T	-35.77	-21.53	-8.15	0.61	-14.65	38.15	CO 18				
				Min M _T	-26.28	-20.06	-0.79	0.38	-8.63	31.02	CO 27				
				Max M _y	-26.28	-20.06	-0.79	0.38	-8.63	31.02	CO 27				
				Min M _y	-35.84	-21.58	-8.16	0.61	-14.68	38.23	CO 20				
				Max M _z	-32.26	-25.28	-1.92	0.53	-10.40	38.81	CO 19				
				Min M _z	-29.86	-16.35	-7.04	0.46	-12.91	30.44	CO 28				
	RC6	6	0.000	Max N	-33.66	17.80	-1.65	-1.77	4.51	23.96	LC 1-4				
				Min N	-65.25	-52.25	-9.95	2.66	16.28	-83.48	LC 1-5				
				Max V _y	-34.51	19.64	-1.73	-1.66	4.82	27.97	LC 1-4				
				Min V _y	-64.40	-54.08	-9.87	2.56	15.98	-87.50	LC 1-5				
				Max V _z	-44.98	-8.98	16.62	-0.27	-25.35	-18.34	LC 1-4				
				Min V _z	-53.93	-25.47	-28.23	1.17	46.15	-41.18	LC 1-5				
				Max M _T	-62.50	-46.10	-11.83	3.14	19.26	-74.47	LC 1-5				
				Min M _T	-36.41	11.66	0.23	-2.25	1.53	14.94	LC 1-4				
				Max M _y	-53.62	-24.44	-28.20	1.11	46.18	-39.63	LC 1-5				
				Min M _y	-45.29	-10.01	16.60	-0.21	-25.39	-19.90	LC 1-4				
				Max M _z	-34.92	19.47	-2.24	-1.62	5.60	28.22	LC 1-4				
				Min M _z	-63.99	-53.92	-9.36	2.51	15.19	-87.75	LC 1-5				
				Max N	-13.53	11.58	-2.96	-1.77	-3.49	-30.93	LC 1-4				
				Min N	-45.11	-46.03	-8.64	2.66	-18.07	97.13	LC 1-5				
				Max V _y	-14.49	13.35	-2.99	-1.68	-3.50	-33.60	LC 1-4				
				Min V _y	-44.15	-47.79	-8.61	2.57	-18.06	99.80	LC 1-5				
				Max V _z	-24.79	-10.18	9.05	-0.23	23.11	16.45	LC 1-4				
				Min V _z	-33.85	-24.27	-20.65	1.12	-44.67	49.75	LC 1-5				
				Max M _T	-42.36	-41.38	-9.52	3.14	-20.26	86.27	LC 1-5				
				Min M _T	-16.28	6.94	-2.08	-2.25	-1.30	-20.07	LC 1-4				
				Max M _y	-24.36	-9.23	9.04	-0.31	23.14	14.33	LC 1-4				
				Min M _y	-34.28	-25.21	-20.64	1.21	-44.69	51.87	LC 1-5				
				Max M _z	-44.41	-47.71	-8.81	2.59	-18.54	99.99	LC 1-5				
				Min M _z	-14.23	13.26	-2.79	-1.70	-3.02	-33.79	LC 1-4				
				Section No. 7: Rectangle 600/300											
				37	RC1	46	0.000	Max N	-126.99	-1.05	0.89	-0.00	-0.09	-0.15	CO 13
								Min N	-152.51	-1.26	1.07	-0.01	-0.10	-0.18	CO 6
Max V _y	-126.99	-1.05	0.89					-0.00	-0.09	-0.15	CO 13				
Min V _y	-152.51	-1.26	1.07					-0.01	-0.10	-0.18	CO 6				
Max V _z	-152.51	-1.26	1.07					-0.01	-0.10	-0.18	CO 6				
Min V _z	-126.99	-1.05	0.89					-0.00	-0.09	-0.15	CO 13				
Max M _T	-126.99	-1.05	0.89					-0.00	-0.09	-0.15	CO 13				
Min M _T	-152.51	-1.26	1.07					-0.01	-0.10	-0.18	CO 6				
Max M _y	-126.99	-1.05	0.89					-0.00	-0.09	-0.15	CO 13				
Min M _y	-152.51	-1.26	1.07					-0.01	-0.10	-0.18	CO 6				
Max M _z	-126.99	-1.05	0.89					-0.00	-0.09	-0.15	CO 13				
Min M _z	-152.51	-1.26	1.07					-0.01	-0.10	-0.18	CO 6				
Max N	-398.09	56.52	-136.12					-2.30	-32.54	-22.74	CO 13				
Min N	-479.27	73.19	-154.07					-2.71	-36.83	-29.83	CO 6				
Max V _y	-479.27	73.19	-154.07					-2.71	-36.83	-29.83	CO 6				
Min V _y	-398.09	56.52	-136.12					-2.30	-32.54	-22.74	CO 13				
Max V _z	-402.14	60.12	-128.86					-2.32	-30.78	-24.39	CO 10				
Min V _z	-478.44	69.87	-155.92					-2.67	-37.32	-28.36	CO 5				
Max M _T	-401.31	56.80	-130.71					-2.28	-31.28	-22.92	CO 9				
Min M _T	-464.79	71.86	-153.68					-2.71	-36.71	-29.21	CO 8				
Max M _y	-402.14	60.12	-128.86					-2.32	-30.78	-24.39	CO 10				
Min M _y	-478.44	69.87	-155.92					-2.67	-37.32	-28.36	CO 5				
Max M _z	-398.09	56.52	-136.12					-2.30	-32.54	-22.74	CO 13				
Min M _z	-479.27	73.19	-154.07					-2.71	-36.83	-29.83	CO 6				
RC2	46	0.000	Max N		-90.98	-0.75	0.64	-0.00	-0.06	-0.11	CO 27				
			Min N		-109.87	-0.90	0.77	-0.00	-0.07	-0.13	CO 20				
			Max V _y		-90.98	-0.75	0.64	-0.00	-0.06	-0.11	CO 27				
			Min V _y		-109.87	-0.90	0.77	-0.00	-0.07	-0.13	CO 20				
			Max V _z		-109.87	-0.90	0.77	-0.00	-0.07	-0.13	CO 20				
			Min V _z		-90.98	-0.75	0.64	-0.00	-0.06	-0.11	CO 27				
			Max M _T		-90.98	-0.75	0.64	-0.00	-0.06	-0.11	CO 27				
			Min M _T		-109.87	-0.90	0.77	-0.00	-0.07	-0.13	CO 20				
			Max M _y		-90.98	-0.75	0.64	-0.00	-0.06	-0.11	CO 27				
			Min M _y		-109.87	-0.90	0.77	-0.00	-0.07	-0.13	CO 20				
			Max M _z		-90.98	-0.75	0.64	-0.00	-0.06	-0.11	CO 27				
			Min M _z		-109.87	-0.90	0.77	-0.00	-0.07	-0.13	CO 20				
			Max N		-283.26	39.99	-96.00	-1.61	-22.95	-16.11	CO 27				
			Min N		-343.33	52.09	-109.43	-1.91	-26.16	-21.25	CO 20				
			Max V _y		-343.33	52.09	-109.43	-1.91	-26.16	-21.25	CO 20				
			Min V _y		-283.26	39.99	-96.00	-1.61	-22.95	-16.11	CO 27				
			Max V _z		-286.20	42.40	-90.76	-1.62	-21.69	-17.22	CO 24				
			Min V _z		-342.77	49.87	-110.67	-1.89	-26.49	-20.27	CO 19				
			Max M _T		-285.64	40.19	-91.99	-1.60	-22.02	-16.24	CO 23				
			Min M _T		-332.59	51.10	-109.15	-1.91	-26.08	-20.79	CO 22				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
37	RC2	46	0.000	Max M _y	-286.20	42.40	-90.76	-1.62	-21.69	-17.22	CO 24	
				Min M _y	-342.77	49.87	-110.67	-1.89	-26.49	-20.27	CO 19	
				Max M _z	-283.26	39.99	-96.00	-1.61	-22.95	-16.11	CO 27	
				Min M _z	-343.33	52.09	-109.43	-1.91	-26.16	-21.25	CO 20	
				Max N	-65.93	-0.51	0.43	-0.00	-0.05	-0.08	LC 1-4	
				Min N	-106.02	-0.89	0.76	-0.00	-0.07	-0.13	LC 1-5	
				Max V _y	-65.94	-0.51	0.43	-0.00	-0.05	-0.08	LC 1-4	
				Min V _y	-106.02	-0.89	0.76	-0.00	-0.07	-0.13	LC 1-5	
				Max V _z	-106.00	-0.89	0.76	-0.00	-0.07	-0.13	LC 1-5	
				Min V _z	-65.96	-0.51	0.43	-0.00	-0.05	-0.08	LC 1-4	
				Max M _T	-70.59	-0.56	0.47	0.00	-0.05	-0.08	LC 1-4	
				Min M _T	-101.36	-0.84	0.72	-0.01	-0.07	-0.12	LC 1-5	
	38	RC6	48	3.000	Max M _y	-65.95	-0.51	0.43	-0.00	-0.05	-0.08	LC 1-4
					Min M _y	-106.00	-0.89	0.76	-0.00	-0.07	-0.13	LC 1-5
					Max M _z	-66.10	-0.52	0.43	-0.00	-0.05	-0.08	LC 1-4
					Min M _z	-105.86	-0.89	0.76	-0.00	-0.07	-0.13	LC 1-5
					Max N	-127.86	-75.53	-45.17	-1.03	-10.11	34.38	LC 1-4
					Min N	-379.26	147.12	-102.16	-1.36	-25.21	-63.95	LC 1-5
					Max V _y	-374.43	152.47	-92.88	-1.50	-22.72	-66.31	LC 1-5
					Min V _y	-132.68	-80.87	-54.45	-0.89	-12.60	36.74	LC 1-4
					Max V _z	-193.86	20.25	-32.21	-1.47	-6.71	-8.01	LC 1-4
					Min V _z	-313.26	51.34	-115.12	-0.92	-28.61	-21.56	LC 1-5
					Max M _T	-219.56	-2.10	-77.52	-0.55	-18.87	1.84	LC 1-4
					Min M _T	-287.56	73.69	-69.80	-1.84	-16.45	-31.41	LC 1-5
		RC1	48	0.000	Max M _y	-193.68	20.04	-32.21	-1.46	-6.71	-7.91	LC 1-4
					Min M _y	-313.43	51.56	-115.12	-0.92	-28.61	-21.66	LC 1-5
					Max M _z	-132.67	-80.87	-54.43	-0.89	-12.60	36.74	LC 1-4
					Min M _z	-374.45	152.47	-92.89	-1.50	-22.72	-66.31	LC 1-5
					Max N	-396.66	11.46	-7.71	0.37	12.10	20.90	CO 13
					Min N	-490.04	9.97	-9.67	0.45	15.67	17.53	CO 6
					Max V _y	-467.91	12.03	-8.61	0.39	13.49	21.15	CO 7
					Min V _y	-410.97	9.29	-8.39	0.42	13.69	17.10	CO 10
					Max V _z	-410.04	10.59	-7.09	0.41	11.23	20.05	CO 9
					Min V _z	-468.84	10.73	-9.91	0.41	15.94	18.19	CO 8
					Max M _T	-490.04	9.97	-9.67	0.45	15.67	17.53	CO 6
					Min M _T	-396.66	11.46	-7.71	0.37	12.10	20.90	CO 13
39	RC6	48	0.000	Max M _y	-468.84	10.73	-9.91	0.41	15.94	18.19	CO 8	
				Min M _y	-410.04	10.59	-7.09	0.41	11.23	20.05	CO 9	
				Max M _z	-467.91	12.03	-8.61	0.39	13.49	21.15	CO 7	
				Min M _z	-410.97	9.29	-8.39	0.42	13.69	17.10	CO 10	
				Max N	-374.92	11.46	-7.64	0.36	-16.21	-21.03	CO 13	
				Min N	-468.30	9.96	-9.59	0.44	-19.95	-18.98	CO 6	
				Max V _y	-446.17	12.02	-8.53	0.38	-18.18	-22.89	CO 7	
				Min V _y	-389.23	9.29	-8.34	0.42	-17.18	-16.91	CO 10	
				Max V _z	-388.30	10.59	-7.03	0.40	-14.83	-18.71	CO 9	
				Min V _z	-447.10	10.72	-9.83	0.40	-20.53	-21.09	CO 8	
				Max M _T	-468.30	9.96	-9.59	0.44	-19.95	-18.98	CO 6	
				Min M _T	-374.92	11.46	-7.64	0.36	-16.21	-21.03	CO 13	
	RC2	48	0.000	Max M _y	-388.30	10.59	-7.03	0.40	-14.83	-18.71	CO 9	
				Min M _y	-447.10	10.72	-9.83	0.40	-20.53	-21.09	CO 8	
				Max M _z	-389.23	9.29	-8.34	0.42	-17.18	-16.91	CO 10	
				Min M _z	-446.17	12.02	-8.53	0.38	-18.18	-22.89	CO 7	
				Max N	-284.41	7.97	-5.45	0.26	8.54	14.55	CO 27	
				Min N	-353.51	6.97	-6.82	0.32	11.00	12.27	CO 20	
				Max V _y	-337.19	8.40	-6.12	0.28	9.57	14.73	CO 21	
				Min V _y	-294.94	6.46	-5.86	0.30	9.53	11.95	CO 24	
				Max V _z	-294.33	7.33	-4.99	0.29	7.90	13.92	CO 23	
				Min V _z	-337.81	7.53	-6.99	0.29	11.20	12.76	CO 22	
				Max M _T	-353.51	6.97	-6.82	0.32	11.00	12.27	CO 20	
				Min M _T	-284.41	7.97	-5.45	0.26	8.54	14.55	CO 27	
	RC6	48	0.000	Max M _y	-337.81	7.53	-6.99	0.29	11.20	12.76	CO 22	
				Min M _y	-294.33	7.33	-4.99	0.29	7.90	13.92	CO 23	
				Max M _z	-337.19	8.40	-6.12	0.28	9.57	14.73	CO 21	
				Min M _z	-294.94	6.46	-5.86	0.30	9.53	11.95	CO 24	
				Max N	-268.31	7.97	-5.42	0.26	-11.44	-14.61	CO 27	
				Min N	-337.41	6.97	-6.77	0.31	-14.04	-13.23	CO 20	
				Max V _y	-321.08	8.40	-6.08	0.28	-12.90	-15.99	CO 21	
				Min V _y	-278.84	6.47	-5.83	0.30	-11.98	-11.69	CO 24	
				Max V _z	-278.22	7.33	-4.96	0.29	-10.42	-12.89	CO 23	
				Min V _z	-321.70	7.53	-6.95	0.29	-14.47	-14.79	CO 22	
				Max M _T	-337.41	6.97	-6.77	0.31	-14.04	-13.23	CO 20	
				Min M _T	-268.31	7.97	-5.42	0.26	-11.44	-14.61	CO 27	
40	RC6	48	0.000	Max M _y	-278.22	7.33	-4.96	0.29	-10.42	-12.89	CO 23	
				Min M _y	-321.70	7.53	-6.95	0.29	-14.47	-14.79	CO 22	
				Max M _z	-278.84	6.47	-5.83	0.30	-11.98	-11.69	CO 24	
				Min M _z	-321.08	8.40	-6.08	0.28	-12.90	-15.99	CO 21	
				Max N	-158.32	41.71	-15.46	-0.96	27.87	95.10	LC 1-4	
				Min N	-401.93	-34.22	7.70	1.40	-15.68	-81.50	LC 1-5	
				Max V _y	-188.08	45.13	-9.50	-1.01	16.57	102.08	LC 1-5	
				Min V _y	-372.17	-37.64	1.74	1.46	-4.39	-88.48	LC 1-4	
				Max V _z	-307.89	0.98	20.16	0.12	-38.36	0.90	LC 1-4	
				Min V _z	-252.37	6.51	-27.92	0.32	50.55	12.70	LC 1-5	
				Max M _T	-372.05	-26.95	-0.25	1.87	-0.90	-64.52	LC 1-5	
				Min M _T	-188.21	34.44	-7.51	-1.43	13.09	78.12	LC 1-4	
	RC6	49	3.650	Max M _y	-252.22	6.56	-27.92	0.32	50.55	12.81	LC 1-5	
				Min M _y	-308.03	0.93	20.16	0.12	-38.36	0.79	LC 1-4	
				Max M _z	-187.87	45.12	-9.48	-1.01	16.55	102.10	LC 1-5	
				Min M _z	-372.38	-37.63	1.72	1.46	-4.36	-88.51	LC 1-4	
				Max N	-142.22	40.47	-14.58	-0.96	-27.57	-55.76	LC 1-4	
				Min N	-385.82	-32.98	6.82	1.40	11.43	42.03	LC 1-5	
				Max V _y	-171.82	43.76	-9.08	-1.02	-17.62	-61.07	LC 1-5	
				Min V _y	-356.22	-36.27	1.32	1.46	47.33	LC 1-4		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases							
				N	V _y	V _z	M _T	M _y	M _z										
38	RC6			Max V _z	-291.87	1.07	▷	18.44	0.12	33.24	-2.80	LC 1-4							
				Min V _z	-236.17	6.42	▷	-26.20	0.32	-49.38	-10.94	LC 1-5							
				Max M _T	-355.94	-26.00	▷	-0.63	1.87	-2.24	32.78	LC 1-5							
				Min M _T	-172.10	33.49	▷	-7.12	-1.43	-13.89	-46.51	LC 1-4							
				Max M _y	-291.69	1.11	▷	18.44	0.12	33.25	-2.85	LC 1-4							
				Min M _y	-236.35	6.37	▷	-26.19	0.32	-49.38	-10.89	LC 1-5							
				Max M _z	-355.73	-36.23	▷	1.33	1.46	1.52	47.39	LC 1-4							
				Min M _z	-172.31	43.72	▷	-9.09	-1.01	-17.65	-61.12	LC 1-5							
				90	RC1	49	0.000	Max N	▷	-125.37	12.82	-8.74	0.10	16.86	22.77	CO 9			
								Min N	▷	-164.49	12.95	-11.55	0.13	22.46	23.93	CO 8			
								Max V _y	▷	-163.91	14.20	-10.45	0.10	20.48	26.00	CO 7			
								Min V _y	▷	-125.95	11.56	-9.84	0.12	18.84	20.71	CO 10			
								Max V _z	▷	-125.37	12.82	-8.74	0.10	16.86	22.77	CO 9			
								Min V _z	▷	-164.49	12.95	-11.55	0.13	22.46	23.93	CO 8			
								Max M _T	▷	-126.95	12.21	-10.48	0.14	20.30	22.71	CO 14			
								Min M _T	▷	-162.90	13.56	-9.81	0.09	19.02	24.00	CO 3			
								Max M _y	▷	-164.49	12.95	-11.55	0.13	22.46	23.93	CO 8			
								Min M _y	▷	-125.37	12.82	-8.74	0.10	16.86	22.77	CO 9			
								Max M _z	▷	-163.91	14.20	-10.45	0.10	20.48	26.00	CO 7			
								Min M _z	▷	-125.95	11.56	-9.84	0.12	18.84	20.71	CO 10			
									88	3.650	Max N	▷	-103.62	12.81	-8.76	0.08	-15.17	-24.04	CO 9
											Min N	▷	-142.75	12.95	-11.57	0.12	-19.91	-23.37	CO 8
											Max V _y	▷	-142.16	14.20	-10.47	0.09	-17.85	-25.89	CO 7
											Min V _y	▷	-104.21	11.56	-9.86	0.11	-17.23	-21.53	CO 10
Max V _z	▷	-103.62	12.81								-8.76	0.08	-15.17	-24.04	CO 9				
Min V _z	▷	-142.75	12.95								-11.57	0.12	-19.91	-23.37	CO 8				
Max M _T	▷	-105.21	12.21								-10.49	0.13	-18.09	-21.88	CO 14				
Min M _T	▷	-141.27	13.64								-10.17	0.07	-17.46	-25.68	CO 5				
Max M _y	▷	-103.62	12.81								-8.76	0.08	-15.17	-24.04	CO 9				
Min M _y	▷	-142.75	12.95								-11.57	0.12	-19.91	-23.37	CO 8				
Max M _z	▷	-104.21	11.56								-9.86	0.11	-17.23	-21.53	CO 10				
Min M _z	▷	-142.16	14.20								-10.47	0.09	-17.85	-25.89	CO 7				
	49	0.000	Max N	▷	-92.49	9.06	-6.25				0.07	11.97	15.96	CO 23					
			Min N	▷	-121.43	9.25	-8.25				0.09	15.97	16.98	CO 22					
			Max V _y	▷	-121.04	10.09	-7.52				0.07	14.65	18.35	CO 21					
			Min V _y	▷	-92.88	8.23	-6.99				0.09	13.29	14.59	CO 24					
			Max V _z	▷	-92.49	9.06	-6.25				0.07	11.97	15.96	CO 23					
			Min V _z	▷	-121.43	9.25	-8.25				0.09	15.97	16.98	CO 22					
			Max M _T	▷	-93.62	8.70	-7.46				0.10	14.37	16.07	CO 28					
			Min M _T	▷	-120.29	9.61	-7.05				0.06	13.56	16.87	CO 17					
			Max M _y	▷	-121.43	9.25	-8.25				0.09	15.97	16.98	CO 22					
			Min M _y	▷	-92.49	9.06	-6.25				0.07	11.97	15.96	CO 23					
			Max M _z	▷	-121.04	10.09	-7.52				0.07	14.65	18.35	CO 21					
			Min M _z	▷	-92.88	8.23	-6.99				0.09	13.29	14.59	CO 24					
				88	3.650	Max N	▷	-76.38	9.06	-6.26	0.06	-10.93	-17.13	CO 23					
						Min N	▷	-105.32	9.25	-8.27	0.08	-14.28	-16.82	CO 22					
						Max V _y	▷	-104.93	10.09	-7.53	0.07	-12.91	-18.49	CO 21					
						Min V _y	▷	-76.77	8.22	-7.00	0.08	-12.29	-15.45	CO 24					
						Max V _z	▷	-76.38	9.06	-6.26	0.06	-10.93	-17.13	CO 23					
						Min V _z	▷	-105.32	9.25	-8.27	0.08	-14.28	-16.82	CO 22					
						Max M _T	▷	-77.51	8.70	-7.47	0.09	-12.93	-15.72	CO 28					
						Min M _T	▷	-104.19	9.61	-7.06	0.05	-12.27	-18.23	CO 17					
						Max M _y	▷	-76.38	9.06	-6.26	0.06	-10.93	-17.13	CO 23					
						Min M _y	▷	-105.32	9.25	-8.27	0.08	-14.28	-16.82	CO 22					
						Max M _z	▷	-76.77	8.22	-7.00	0.08	-12.29	-15.45	CO 24					
						Min M _z	▷	-104.93	10.09	-7.53	0.07	-12.91	-18.49	CO 21					
	49	0.000				Max N	▷	-71.64	50.86	-15.83	-1.33	27.82	83.39	LC 1-5					
						Min N	▷	-161.39	-38.50	4.77	1.44	-7.72	-63.80	LC 1-4					
						Max V _y	▷	-72.70	52.23	-10.51	-1.35	18.73	85.68	LC 1-5					
						Min V _y	▷	-160.33	-39.87	-0.54	1.47	1.37	-66.08	LC 1-4					
						Max V _z	▷	-127.83	5.74	20.78	-0.01	-35.06	9.24	LC 1-4					
						Min V _z	▷	-105.20	6.61	-31.83	0.13	55.16	10.35	LC 1-5					
						Max M _T	▷	-149.63	-27.85	-1.18	1.93	2.91	-45.87	LC 1-5					
						Min M _T	▷	-83.40	40.20	-9.88	-1.82	17.19	65.46	LC 1-4					
						Max M _y	▷	-105.17	6.64	-31.83	0.13	55.16	10.39	LC 1-5					
						Min M _y	▷	-127.86	5.72	20.78	-0.01	-35.06	9.20	LC 1-4					
						Max M _z	▷	-72.71	52.21	-10.43	-1.35	18.59	85.70	LC 1-5					
						Min M _z	▷	-160.32	-39.85	-0.62	1.47	1.51	-66.11	LC 1-4					
				88	3.650	Max N	▷	-55.53	45.98	-13.60	-1.33	-26.44	-94.55	LC 1-5					
						Min N	▷	-145.29	-33.62	2.55	1.44	6.20	69.04	LC 1-4					
						Max V _y	▷	-56.58	47.22	-9.35	-1.36	-17.80	-97.02	LC 1-5					
						Min V _y	▷	-144.23	-34.86	-1.70	1.48	-2.44	71.51	LC 1-4					
						Max V _z	▷	-111.72	5.94	15.43	-0.02	32.30	-12.04	LC 1-4					
						Min V _z	▷	-89.10	6.42	-26.49	0.14	-52.54	-13.47	LC 1-5					
						Max M _T	▷	-133.52	-24.35	-2.46	1.93	-3.40	50.26	LC 1-5					
						Min M _T	▷	-67.30	36.71	-8.60	-1.82	-16.84	-75.77	LC 1-4					
						Max M _y	▷	-111.71	5.94	15.43	-0.02	32.30	-12.06	LC 1-4					
						Min M _y	▷	-89.10	6.42	-26.49	0.13	-52.54	-13.45	LC 1-5					
						Max M _z	▷	-144.24	-34.85	-1.64	1.48	-2.33	71.52	LC 1-4					
						Min M _z	▷	-56.57	47.21	-9.41	-1.36	-17.91	-97.03	LC 1-5					
20	Section No. 8: Rectangle 250/370					RC1	24	0.000	Max N	▷	-49.54	49.34	50.68	-16.41	-40.43	25.50	CO 9		
	Min N	▷							-65.32	65.27	57.71	-18.98	-49.93	30.04	CO 6				
	Max V _y	▷							-65.32	65.27	57.71	-18.98	-49.93	30.04	CO 6				
	Min V _y	▷							-49.54	49.34	50.68	-16.41	-40.43	25.50	CO 9				
	Max V _z	▷							-63.76	64.85	58.49	-18.97	-49.27	29.55	CO 4				
	Min V _z	▷							-50.06	49.40	40.12	-15.84	-37.18	25.77	CO 13				
	Max M _T	▷							-59.93	54.46	46.85	-15.42	-44.81	25.15	CO 14				
	Min M _T	▷							-55.44	60.20	50.98	-19.36	-42.29	30.66	CO 5				
	Max M _y	▷							-50.06	49.40	40.12	-15.84	-37.18	25.77	CO 13				
	Min M _y	▷							-65.32	65.27	57.71	-18.98	-49.93	30.04	CO 6				
	Max M _z	▷							-55.44	60.20	50.98	-19.36	-42.29	30.66	CO 5				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
20	RC1	18	2.700	Min M _z	-59.41	54.41	57.40	-16.00	-48.06	24.88	CO 10
				Max N	14.20	83.37	-93.98	3.21	-39.97	8.37	CO 5
				Min N	0.78	74.01	-72.75	-1.55	-25.39	5.29	CO 14
				Max V _y	5.00	90.77	-88.34	3.31	-32.98	8.41	CO 4
				Min V _y	9.77	66.70	-78.74	-1.69	-32.16	5.25	CO 13
				Max V _z	0.78	74.01	-72.75	-1.55	-25.39	5.29	CO 14
				Min V _z	13.99	83.47	-94.33	3.17	-39.75	8.37	CO 3
				Max M _T	5.21	90.67	-87.99	3.35	-33.20	8.41	CO 6
				Min M _T	9.77	66.70	-78.74	-1.69	-32.16	5.25	CO 13
				Max M _y	0.78	74.01	-72.75	-1.55	-25.39	5.29	CO 14
				Min M _y	14.20	83.37	-93.98	3.21	-39.97	8.37	CO 5
				Max M _z	5.21	90.67	-87.99	3.35	-33.20	8.41	CO 6
				Min M _z	9.77	66.70	-78.74	-1.69	-32.16	5.25	CO 13
		24	0.000	Max N	-34.64	34.50	35.75	-11.50	-28.21	17.91	CO 23
				Min N	-45.59	45.91	40.46	-13.43	-34.68	21.31	CO 20
				Max V _y	-45.59	45.91	40.46	-13.43	-34.68	21.31	CO 20
				Min V _y	-34.64	34.50	35.75	-11.50	-28.21	17.91	CO 23
				Max V _z	-44.43	45.61	41.03	-13.42	-34.19	20.95	CO 18
				Min V _z	-35.02	34.54	27.93	-11.08	-25.80	18.10	CO 27
				Max M _T	-41.59	37.91	32.41	-10.80	-30.88	17.69	CO 28
				Min M _T	-39.01	42.54	35.97	-13.68	-29.58	21.73	CO 19
				Max M _y	-35.02	34.54	27.93	-11.08	-25.80	18.10	CO 27
				Min M _y	-45.59	45.91	40.46	-13.43	-34.68	21.31	CO 20
				Max M _z	-39.01	42.54	35.97	-13.68	-29.58	21.73	CO 19
				Min M _z	-41.21	37.87	40.23	-11.23	-33.29	17.49	CO 24
		18	2.700	Max N	10.25	59.19	-66.80	2.43	-28.60	6.00	CO 19
				Min N	0.97	51.72	-51.53	-1.11	-18.30	3.71	CO 28
				Max V _y	4.10	64.14	-63.07	2.49	-23.92	6.02	CO 18
				Min V _y	6.96	46.84	-55.52	-1.20	-22.81	3.69	CO 27
				Max V _z	0.97	51.72	-51.53	-1.11	-18.30	3.71	CO 28
				Min V _z	10.09	59.26	-67.06	2.40	-28.43	6.00	CO 17
				Max M _T	4.25	64.06	-62.80	2.53	-24.09	6.02	CO 20
				Min M _T	6.96	46.84	-55.52	-1.20	-22.81	3.69	CO 27
				Max M _y	0.97	51.72	-51.53	-1.11	-18.30	3.71	CO 28
				Min M _y	10.25	59.19	-66.80	2.43	-28.60	6.00	CO 19
				Max M _z	4.25	64.06	-62.80	2.53	-24.09	6.02	CO 20
	RC6	24	0.000	Min M _z	6.96	46.84	-55.52	-1.20	-22.81	3.69	CO 27
				Max N	147.82	7.81	-96.37	-7.27	119.85	27.01	LC 1-4
				Min N	-194.90	46.15	141.33	-10.27	-152.79	1.43	LC 1-5
				Max V _y	-59.50	106.07	24.20	1.25	-9.51	17.07	LC 1-5
				Min V _y	12.42	-52.12	20.76	-18.78	-23.43	11.37	LC 1-4
				Max V _z	-191.38	31.12	144.18	-12.48	-157.81	0.76	LC 1-5
				Min V _z	144.29	22.83	-99.22	-5.06	124.87	27.68	LC 1-4
				Max M _T	-10.14	97.43	-11.46	3.36	30.84	18.20	LC 1-4
				Min M _T	-36.94	-43.47	56.43	-20.89	-63.78	10.24	LC 1-5
				Max M _y	142.79	25.71	-99.08	-4.65	125.04	27.72	LC 1-4
				Min M _y	-189.87	28.25	144.05	-12.89	-157.98	0.72	LC 1-5
				Max M _z	135.66	32.90	-93.82	-6.19	120.01	30.34	LC 1-5
				Min M _z	-182.74	21.06	138.78	-11.35	-152.94	-1.90	LC 1-4
		18	2.700	Max N	29.45	45.01	-161.05	2.52	-138.19	5.54	LC 1-5
				Min N	-13.17	32.74	70.70	2.60	96.57	3.20	LC 1-4
				Max V _y	7.36	248.77	-36.54	57.99	-14.24	32.87	LC 1-5
				Min V _y	8.91	-171.02	-53.81	-52.87	-27.38	-24.13	LC 1-4
				Max V _z	-12.85	38.56	72.50	4.44	98.12	4.13	LC 1-4
				Min V _z	29.13	39.19	-162.85	0.67	-139.74	4.61	LC 1-5
				Max M _T	6.56	242.85	-27.80	58.63	-10.36	32.57	LC 1-4
				Min M _T	9.72	-165.10	-62.55	-53.51	-31.26	-23.83	LC 1-5
				Max M _y	-12.89	34.76	72.45	3.41	98.17	3.60	LC 1-4
				Min M _y	29.17	42.99	-162.80	1.71	-139.79	5.14	LC 1-5
				Max M _z	7.63	248.31	-37.29	58.10	-15.06	32.93	LC 1-5
	RC1	5	0.000	Min M _z	8.65	-170.57	-53.05	-52.98	-26.56	-24.19	LC 1-4
				Max N	-10.87	-6.30	-9.93	0.72	0.59	-0.90	CO 13
				Min N	-15.80	-12.32	-14.20	1.19	1.20	-1.93	CO 6
				Max V _y	-10.87	-6.30	-9.93	0.72	0.59	-0.90	CO 13
				Min V _y	-15.80	-12.32	-14.20	1.19	1.20	-1.93	CO 6
				Max V _z	-10.87	-6.30	-9.93	0.72	0.59	-0.90	CO 13
				Min V _z	-15.80	-12.32	-14.20	1.19	1.20	-1.93	CO 6
				Max M _T	-15.80	-12.32	-14.20	1.19	1.20	-1.93	CO 6
				Min M _T	-10.87	-6.30	-9.93	0.72	0.59	-0.90	CO 13
				Max M _y	-15.80	-12.32	-14.20	1.19	1.20	-1.93	CO 6
				Min M _y	-10.87	-6.30	-9.93	0.72	0.59	-0.90	CO 13
		7	3.920	Max M _z	-10.87	-6.30	-9.93	0.72	0.59	-0.90	CO 13
				Min M _z	-15.80	-12.32	-14.20	1.19	1.20	-1.93	CO 6
				Max N	26.17	33.02	55.35	-3.28	8.26	-4.10	CO 6
				Min N	19.33	27.71	43.02	-2.75	6.33	-3.40	CO 13
				Max V _y	26.17	33.02	55.35	-3.28	8.26	-4.10	CO 6
				Min V _y	19.33	27.71	43.02	-2.75	6.33	-3.40	CO 13
				Max V _z	26.17	33.02	55.35	-3.28	8.26	-4.10	CO 6
				Min V _z	19.33	27.71	43.02	-2.75	6.33	-3.40	CO 13
				Max M _T	19.33	27.71	43.02	-2.75	6.33	-3.40	CO 13
				Min M _T	26.17	33.02	55.35	-3.28	8.26	-4.10	CO 6
				Max M _y	26.17	33.02	55.35	-3.28	8.26	-4.10	CO 6
	RC2	5	0.000	Min M _y	19.33	27.71	43.02	-2.75	6.33	-3.40	CO 13
				Max M _z	19.33	27.71	43.02	-2.75	6.33	-3.40	CO 13
				Min M _z	26.17	33.02	55.35	-3.28	8.26	-4.10	CO 6
				Max N	-7.65	-4.52	-7.35	0.51	0.47	-0.65	CO 27
				Min N	-11.13	-8.79	-10.45	0.85	0.90	-1.38	CO 20
				Max V _y	-7.65	-4.52	-7.35	0.51	0.47	-0.65	CO 27
				Min V _y	-11.13	-8.79	-10.45	0.85	0.90	-1.38	CO 20
				Max V _z	-7.65	-4.52	-7.35	0.51	0.47	-0.65	CO 27
				Min V _z	-11.13	-8.79	-10.45	0.85	0.90	-1.38	CO 20
				Max M _T	-11.13	-8.79	-10.45	0.85	0.90	-1.38	CO 20



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
45	RC2	7	3.920	Min M _T	-7.65	-4.52	-7.35	0.51	0.47	-0.65	CO 27		
				Max M _y	-11.13	-8.79	-10.45	0.85	0.90	-1.38	CO 20		
				Min M _y	-7.65	-4.52	-7.35	0.51	0.47	-0.65	CO 27		
				Max M _z	-7.65	-4.52	-7.35	0.51	0.47	-0.65	CO 27		
				Min M _z	-11.13	-8.79	-10.45	0.85	0.90	-1.38	CO 20		
				Max N	18.72	23.26	39.75	-2.31	5.92	-2.89	CO 20		
				Min N	13.84	19.37	30.76	-1.92	4.52	-2.38	CO 27		
				Max V _y	18.72	23.26	39.75	-2.31	5.92	-2.89	CO 20		
				Min V _y	13.84	19.37	30.76	-1.92	4.52	-2.38	CO 27		
				Max V _z	18.72	23.26	39.75	-2.31	5.92	-2.89	CO 20		
				Min V _z	13.84	19.37	30.76	-1.92	4.52	-2.38	CO 27		
				Max M _T	13.84	19.37	30.76	-1.92	4.52	-2.38	CO 27		
				Min M _T	18.72	23.26	39.75	-2.31	5.92	-2.89	CO 20		
				Max M _y	18.72	23.26	39.75	-2.31	5.92	-2.89	CO 20		
				Min M _y	13.84	19.37	30.76	-1.92	4.52	-2.38	CO 27		
				Max M _z	13.84	19.37	30.76	-1.92	4.52	-2.38	CO 27		
				Min M _z	18.72	23.26	39.75	-2.31	5.92	-2.89	CO 20		
	RC6	5	0.000	Max N	74.55	9.07	-40.79	-1.14	8.09	0.75	LC 1-4		
				Min N	-87.39	-21.60	20.72	2.32	-5.96	-2.79	LC 1-5		
				Max V _y	25.52	39.07	5.59	-3.28	-1.86	6.01	LC 1-4		
				Min V _y	-38.35	-51.60	-25.66	4.46	3.99	-8.05	LC 1-5		
				Max V _z	-73.54	1.28	29.96	0.38	-7.68	0.77	LC 1-4		
				Min V _z	60.71	-13.81	-50.03	0.81	9.81	-2.81	LC 1-5		
				Max M _T	-44.18	-51.39	-22.52	4.48	3.29	-7.96	LC 1-5		
				Min M _T	31.35	38.86	2.46	-3.30	-1.16	5.93	LC 1-4		
				Max M _y	61.49	-13.23	-50.01	0.76	9.81	-2.72	LC 1-5		
				Min M _y	-74.32	0.70	29.94	0.43	-7.69	0.69	LC 1-4		
				Max M _z	18.81	38.88	8.90	-3.22	-2.60	6.04	LC 1-4		
				Min M _z	-31.64	-51.41	-28.97	4.40	4.72	-8.08	LC 1-5		
		7	3.920	Max N	58.61	19.42	65.88	-1.65	13.14	-3.12	LC 1-5		
				Min N	-31.92	9.00	-6.11	-1.20	-4.49	-0.47	LC 1-4		
				Max V _y	21.03	31.07	41.66	-3.03	6.91	-4.00	LC 1-5		
				Min V _y	5.66	-2.65	18.11	0.18	1.74	0.42	LC 1-4		
				Max V _z	58.16	21.46	66.23	-1.85	13.19	-3.37	LC 1-5		
				Min V _z	-31.47	6.96	-6.46	-0.99	-4.55	-0.22	LC 1-4		
				Max M _T	10.79	-2.45	22.02	0.19	2.71	0.31	LC 1-4		
				Min M _T	15.90	30.87	37.75	-3.04	5.93	-3.90	LC 1-5		
				Max M _y	58.30	21.12	66.22	-1.82	13.20	-3.33	LC 1-5		
				Min M _y	-31.61	7.30	-6.45	-1.03	-4.55	-0.26	LC 1-4		
				Max M _z	1.84	-2.43	15.32	0.13	1.03	0.46	LC 1-4		
				Min M _z	24.85	30.85	44.46	-2.98	7.61	-4.04	LC 1-5		
		46	RC1	7	0.000	Max N	19.72	-32.73	-49.97	3.52	6.93	-3.85	CO 5
						Min N	12.74	-28.21	-37.58	3.05	5.01	-3.25	CO 14
						Max V _y	15.59	-27.85	-39.83	2.99	5.55	-3.25	CO 13
						Min V _y	16.86	-33.09	-47.72	3.57	6.40	-3.85	CO 6
						Max V _z	12.74	-28.21	-37.58	3.05	5.01	-3.25	CO 14
						Min V _z	19.72	-32.73	-49.97	3.52	6.93	-3.85	CO 5
						Max M _T	16.86	-33.09	-47.72	3.57	6.40	-3.85	CO 6
						Min M _T	15.59	-27.85	-39.83	2.99	5.55	-3.25	CO 13
						Max M _y	19.72	-32.73	-49.97	3.52	6.93	-3.85	CO 5
Min M _y	12.74					-28.21	-37.58	3.05	5.01	-3.25	CO 14		
Max M _z	15.59					-27.85	-39.83	2.99	5.55	-3.25	CO 13		
13	5.590			Min M _z	16.86	-33.09	-47.72	3.57	6.40	-3.85	CO 6		
				Max N	1.51	11.60	21.59	-1.02	3.22	-2.03	CO 14		
				Min N	-8.16	9.80	16.24	-0.99	1.76	-1.58	CO 3		
				Max V _y	-2.09	15.22	24.19	-1.31	3.51	-2.65	CO 6		
				Min V _y	-4.55	6.21	13.66	-0.71	1.47	-0.95	CO 13		
				Max V _z	-2.09	15.22	24.19	-1.31	3.51	-2.65	CO 6		
				Min V _z	-4.55	6.21	13.66	-0.71	1.47	-0.95	CO 13		
				Max M _T	-4.55	6.21	13.66	-0.71	1.47	-0.95	CO 13		
				Min M _T	-2.09	15.22	24.19	-1.31	3.51	-2.65	CO 6		
				Max M _y	-2.09	15.22	24.19	-1.31	3.51	-2.65	CO 6		
RC2	7			0.000	Min M _y	-4.55	6.21	13.66	-0.71	1.47	-0.95	CO 13	
					Max M _z	-4.55	6.21	13.66	-0.71	1.47	-0.95	CO 13	
			Min M _z		-2.09	15.22	24.19	-1.31	3.51	-2.65	CO 6		
			Max N		14.22	-23.08	-35.98	2.48	4.99	-2.72	CO 19		
			Min N		9.26	-19.71	-26.97	2.13	3.61	-2.28	CO 28		
			Max V _y		11.16	-19.47	-28.47	2.09	3.96	-2.28	CO 27		
			Min V _y		12.31	-23.31	-34.48	2.52	4.63	-2.72	CO 20		
			Max V _z		9.26	-19.71	-26.97	2.13	3.61	-2.28	CO 28		
			Min V _z		14.22	-23.08	-35.98	2.48	4.99	-2.72	CO 19		
			Max M _T		12.31	-23.31	-34.48	2.52	4.63	-2.72	CO 20		
			Min M _T		11.16	-19.47	-28.47	2.09	3.96	-2.28	CO 27		
			Max M _y		14.22	-23.08	-35.98	2.48	4.99	-2.72	CO 19		
RC6	7		0.000	Min M _y	9.26	-19.71	-26.97	2.13	3.61	-2.28	CO 28		
				Max M _z	11.16	-19.47	-28.47	2.09	3.96	-2.28	CO 27		
		Min M _z		12.31	-23.31	-34.48	2.52	4.63	-2.72	CO 20			
		Max N		0.88	8.14	15.40	-0.72	2.28	-1.43	CO 28			
		Min N		-5.82	7.21	12.03	-0.71	1.33	-1.17	CO 17			
		Max V _y		-1.78	10.82	17.33	-0.93	2.50	-1.89	CO 20			
		Min V _y		-3.16	4.55	10.12	-0.51	1.12	-0.71	CO 27			
		Max V _z		-1.78	10.82	17.33	-0.93	2.50	-1.89	CO 20			
		Min V _z		-3.16	4.55	10.12	-0.51	1.12	-0.71	CO 27			
		Max M _T		-3.16	4.55	10.12	-0.51	1.12	-0.71	CO 27			
		Min M _T		-1.78	10.82	17.33	-0.93	2.50	-1.89	CO 20			
		Max M _y		-1.78	10.82	17.33	-0.93	2.50	-1.89	CO 20			

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
46	RC6	13	5.590	Min V _y	-0.60	▷	-29.25	-24.74	3.33	2.73	-3.20	LC 1-5
				Max V _z	-36.44	▷	-14.42	9.71	1.90	-5.20	-1.04	LC 1-4
				Min V _z	58.57	▷	-14.17	-65.44	1.19	12.89	-2.39	LC 1-5
				Max M _T	-5.18	▷	-29.12	-21.11	3.35	1.85	-3.11	LC 1-5
				Min M _T	27.31	▷	0.53	-34.63	-0.26	5.85	-0.31	LC 1-4
				Max M _y	58.72	▷	-13.84	-65.43	1.16	12.90	-2.35	LC 1-5
				Min M _y	-36.59	▷	-14.75	9.69	1.94	-5.20	-1.07	LC 1-4
				Max M _z	3.89	▷	-0.49	-16.64	0.03	1.45	-0.07	LC 1-4
				Min M _z	18.24	▷	-28.10	-39.10	3.07	6.24	-3.35	LC 1-5
				Max N	102.25	▷	5.37	76.91	-0.03	15.42	-1.84	LC 1-4
				Min N	-110.63	▷	9.34	-52.17	-1.21	-12.12	-0.76	LC 1-5
				Max V _y	-53.61	▷	129.45	67.57	-8.36	14.34	-23.16	LC 1-5
				Min V _y	45.23	▷	-114.74	-42.83	7.12	-11.04	20.56	LC 1-4
				Max V _z	62.82	▷	74.53	101.27	-4.48	21.08	-14.11	LC 1-5
				Min V _z	-71.20	▷	-59.83	-76.52	3.24	-17.79	11.51	LC 1-4
				Max M _T	48.25	▷	-114.62	-40.87	7.13	-10.62	20.51	LC 1-4
				Min M _T	-56.63	▷	129.33	65.61	-8.37	13.92	-23.11	LC 1-5
				Max M _y	61.74	▷	75.46	101.25	-4.54	21.09	-14.27	LC 1-5
				Min M _y	-70.12	▷	-60.76	-76.50	3.30	-17.79	11.67	LC 1-4
				Max M _z	43.51	▷	-114.70	-43.87	7.11	-11.26	20.56	LC 1-4
				Min M _z	-51.89	▷	129.41	68.61	-8.35	14.56	-23.16	LC 1-5
47	RC1	11	0.000	Max N	▷	8.27	-5.34	-20.87	1.03	2.78	-0.61	CO 9
				Min N	▷	1.57	-1.76	-13.61	0.95	0.90	0.38	CO 8
				Max V _y	▷	3.34	-0.78	-13.90	0.80	1.05	0.44	CO 12
				Min V _y	▷	6.50	-6.32	-20.58	1.17	2.63	-0.67	CO 1
				Max V _z	▷	3.22	-1.14	-13.22	0.74	1.09	0.31	CO 14
				Min V _z	▷	6.62	-5.96	-21.26	1.24	2.59	-0.54	CO 3
				Max M _T	▷	6.62	-5.96	-21.26	1.24	2.59	-0.54	CO 3
				Min M _T	▷	3.22	-1.14	-13.22	0.74	1.09	0.31	CO 14
				Max M _y	▷	8.12	-5.69	-20.16	0.97	2.81	-0.74	CO 13
				Min M _y	▷	1.69	-1.40	-14.29	1.01	0.86	0.51	CO 6
				Max M _z	▷	1.69	-1.40	-14.29	1.01	0.86	0.51	CO 6
				Min M _z	▷	8.12	-5.69	-20.16	0.97	2.81	-0.74	CO 13
		17	5.640	Max N	▷	11.18	-5.77	19.97	0.24	2.66	0.75	CO 6
				Min N	▷	5.69	-3.70	14.98	0.03	1.63	0.53	CO 13
				Max V _y	▷	5.69	-3.70	14.98	0.03	1.63	0.53	CO 13
				Min V _y	▷	11.18	-5.77	19.97	0.24	2.66	0.75	CO 6
				Max V _z	▷	11.18	-5.77	19.97	0.24	2.66	0.75	CO 6
				Min V _z	▷	5.69	-3.70	14.98	0.03	1.63	0.53	CO 13
				Max M _T	▷	11.18	-5.77	19.97	0.24	2.66	0.75	CO 6
				Min M _T	▷	7.45	-3.93	17.65	0.03	2.16	0.53	CO 1
				Max M _y	▷	11.12	-5.67	19.96	0.23	2.66	0.73	CO 4
				Min M _y	▷	5.69	-3.70	14.98	0.03	1.63	0.53	CO 13
				Max M _z	▷	11.18	-5.77	19.97	0.24	2.66	0.75	CO 6
				Min M _z	▷	5.69	-3.70	14.98	0.03	1.63	0.53	CO 13
	RC2	11	0.000	Max N	▷	5.85	-3.64	-14.92	0.73	1.96	-0.39	CO 23
				Min N	▷	1.26	-1.33	-10.06	0.69	0.70	0.26	CO 22
				Max V _y	▷	2.57	-0.60	-10.28	0.58	0.81	0.30	CO 26
				Min V _y	▷	4.54	-4.37	-14.70	0.84	1.85	-0.44	CO 15
				Max V _z	▷	2.48	-0.87	-9.77	0.53	0.84	0.21	CO 28
				Min V _z	▷	4.63	-4.10	-15.21	0.89	1.82	-0.34	CO 17
				Max M _T	▷	4.63	-4.10	-15.21	0.89	1.82	-0.34	CO 17
				Min M _T	▷	2.48	-0.87	-9.77	0.53	0.84	0.21	CO 28
				Max M _y	▷	5.75	-3.91	-14.39	0.69	1.99	-0.49	CO 27
				Min M _y	▷	1.35	-1.06	-10.56	0.74	0.67	0.35	CO 20
				Max M _z	▷	1.35	-1.06	-10.56	0.74	0.67	0.35	CO 20
				Min M _z	▷	5.75	-3.91	-14.39	0.69	1.99	-0.49	CO 27
		17	5.640	Max N	▷	8.13	-4.04	14.63	0.17	1.98	0.52	CO 20
				Min N	▷	4.30	-2.61	11.05	0.02	1.25	0.37	CO 27
				Max V _y	▷	4.30	-2.61	11.05	0.02	1.25	0.37	CO 27
				Min V _y	▷	8.13	-4.04	14.63	0.17	1.98	0.52	CO 20
				Max V _z	▷	8.13	-4.04	14.63	0.17	1.98	0.52	CO 20
				Min V _z	▷	4.30	-2.61	11.05	0.02	1.25	0.37	CO 27
				Max M _T	▷	8.13	-4.04	14.63	0.17	1.98	0.52	CO 20
				Min M _T	▷	5.60	-2.78	13.02	0.02	1.64	0.37	CO 15
				Max M _y	▷	8.09	-3.96	14.62	0.16	1.98	0.51	CO 18
				Min M _y	▷	4.30	-2.61	11.05	0.02	1.25	0.37	CO 27
				Max M _z	▷	8.13	-4.04	14.63	0.17	1.98	0.52	CO 20
				Min M _z	▷	4.30	-2.61	11.05	0.02	1.25	0.37	CO 27
	RC6	11	0.000	Max N	▷	149.44	-45.60	-134.45	-1.85	33.82	-15.43	LC 1-4
				Min N	▷	-145.30	42.72	113.42	3.19	-31.88	15.75	LC 1-5
				Max V _y	▷	-77.85	51.08	77.61	-1.29	-20.76	12.59	LC 1-4
				Min V _y	▷	81.99	-53.95	-98.64	2.63	22.70	-12.27	LC 1-5
				Max V _z	▷	-144.11	45.15	114.70	2.82	-31.97	15.99	LC 1-4
				Min V _z	▷	148.24	-48.02	-135.73	-1.49	33.91	-15.67	LC 1-5
				Max M _T	▷	-114.39	15.53	74.40	4.73	-22.51	9.97	LC 1-5
				Min M _T	▷	118.52	-18.40	-95.43	-3.40	24.46	-9.65	LC 1-4
				Max M _y	▷	148.87	-47.34	-135.38	-1.63	33.97	-15.65	LC 1-4
				Min M _y	▷	-144.74	44.47	114.35	2.96	-32.03	15.97	LC 1-5
				Max M _z	▷	-143.37	45.44	114.22	2.79	-31.92	16.02	LC 1-5
				Min M _z	▷	147.51	-48.32	-135.25	-1.45	33.86	-15.70	LC 1-4
		17	5.640	Max N	▷	107.41	4.52	135.30	0.59	36.30	-2.89	LC 1-5
				Min N	▷	-93.40	-8.58	-107.99	-0.50	-32.05	3.32	LC 1-4
				Max V _y	▷	16.34	15.61	30.91	-2.24	5.42	-1.93	LC 1-4
				Min V _y	▷	-2.34	-19.67	-3.60	2.33	-1.18	2.36	LC 1-5
				Max V _z	▷	107.29	5.10	135.43	0.51	36.28	-2.95	LC 1-5
				Min V _z	▷	-93.28	-9.16	-108.13	-0.42	-32.03	3.38	LC 1-4
				Max M _T	▷	32.21	-17.20	38.25	2.51	10.60	1.26	LC 1-5
				Min M _T	▷	-18.20	13.14	-10.95	-2.41	-6.36	-0.82	LC 1-4
				Max M _y	▷	107.38	4.54	135.34	0.59	36.31	-2.90	LC 1-5
				Min M _y	▷	-93.37	-8.60	-108.03	-0.50	-32.06	3.33	LC 1-4
				Max M _z	▷	-82.50	-15.31	-97.04	0.54	-28.43	3.82	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
47	RC6			Min M _z	96.50	11.25	124.34	-0.44	32.68	-3.39	LC 1-4
48	RC1	17	0.000	Max N	11.54	1.60	-26.03	-0.29	4.63	-0.35	CO 11
				Min N	5.56	3.34	-19.96	-0.49	3.22	-0.11	CO 2
				Max V _y	6.88	3.54	-22.95	-0.52	3.81	-0.12	CO 6
				Min V _y	11.53	1.50	-26.08	-0.28	4.65	-0.36	CO 9
				Max V _z	6.33	3.10	-19.61	-0.48	3.28	-0.11	CO 14
				Min V _z	10.76	1.84	-26.38	-0.30	4.56	-0.34	CO 3
				Max M _T	10.22	1.51	-22.99	-0.26	4.02	-0.32	CO 13
				Min M _T	6.88	3.54	-22.95	-0.52	3.81	-0.12	CO 6
				Max M _y	11.53	1.50	-26.08	-0.28	4.65	-0.36	CO 9
				Min M _y	5.57	3.45	-19.91	-0.50	3.20	-0.09	CO 8
				Max M _z	5.57	3.45	-19.91	-0.50	3.20	-0.09	CO 8
				Min M _z	11.53	1.50	-26.08	-0.28	4.65	-0.36	CO 9
		23	5.035	Max N	0.73	-17.99	1.09	1.84	0.48	1.87	CO 6
				Min N	0.49	-16.39	0.97	1.67	0.44	1.70	CO 9
				Max V _y	0.65	-15.48	0.93	1.58	0.41	1.60	CO 14
				Min V _y	0.57	-18.27	1.10	1.87	0.49	1.90	CO 5
				Max V _z	0.56	-18.13	1.11	1.85	0.49	1.88	CO 3
				Min V _z	0.65	-15.48	0.93	1.58	0.41	1.60	CO 14
				Max M _T	0.57	-18.27	1.10	1.87	0.49	1.90	CO 5
				Min M _T	0.65	-15.48	0.93	1.58	0.41	1.60	CO 14
				Max M _y	0.56	-18.13	1.11	1.85	0.49	1.88	CO 3
				Min M _y	0.65	-15.48	0.93	1.58	0.41	1.60	CO 14
				Max M _z	0.57	-18.27	1.10	1.87	0.49	1.90	CO 5
				Min M _z	0.65	-15.48	0.93	1.58	0.41	1.60	CO 14
	RC2	17	0.000	Max N	8.17	1.16	-18.56	-0.20	3.28	-0.24	CO 25
				Min N	4.03	2.32	-14.31	-0.34	2.29	-0.08	CO 16
				Max V _y	5.01	2.47	-16.54	-0.36	2.73	-0.09	CO 20
				Min V _y	8.16	1.08	-18.59	-0.20	3.29	-0.25	CO 23
				Max V _z	4.60	2.15	-14.06	-0.33	2.34	-0.08	CO 28
				Min V _z	7.59	1.33	-18.82	-0.21	3.23	-0.24	CO 17
				Max M _T	7.19	1.09	-16.30	-0.19	2.83	-0.22	CO 27
				Min M _T	5.01	2.47	-16.54	-0.36	2.73	-0.09	CO 20
				Max M _y	8.16	1.08	-18.59	-0.20	3.29	-0.25	CO 23
				Min M _y	4.04	2.40	-14.28	-0.34	2.28	-0.07	CO 22
				Max M _z	4.04	2.40	-14.28	-0.34	2.28	-0.07	CO 22
				Min M _z	8.16	1.08	-18.59	-0.20	3.29	-0.25	CO 23
		23	5.035	Max N	0.53	-12.82	0.76	1.31	0.34	1.33	CO 20
				Min N	0.37	-11.61	0.68	1.18	0.31	1.21	CO 23
				Max V _y	0.47	-10.96	0.65	1.12	0.29	1.14	CO 28
				Min V _y	0.43	-13.01	0.77	1.33	0.35	1.35	CO 19
				Max V _z	0.42	-12.90	0.78	1.32	0.35	1.34	CO 17
				Min V _z	0.47	-10.96	0.65	1.12	0.29	1.14	CO 28
				Max M _T	0.43	-13.01	0.77	1.33	0.35	1.35	CO 19
				Min M _T	0.47	-10.96	0.65	1.12	0.29	1.14	CO 28
				Max M _y	0.42	-12.90	0.78	1.32	0.35	1.34	CO 17
				Min M _y	0.47	-10.96	0.65	1.12	0.29	1.14	CO 28
				Max M _z	0.43	-13.01	0.77	1.33	0.35	1.35	CO 19
				Min M _z	0.47	-10.96	0.65	1.12	0.29	1.14	CO 28
	RC6	17	0.000	Max N	115.77	-7.38	-150.23	-0.46	38.45	-3.61	LC 1-5
				Min N	-107.06	9.75	124.58	0.17	-34.56	3.43	LC 1-4
				Max V _y	-49.92	21.57	60.34	-2.12	-16.31	3.48	LC 1-5
				Min V _y	58.63	-19.20	-85.98	1.83	20.20	-3.65	LC 1-4
				Max V _z	-106.99	10.06	124.67	0.13	-34.56	3.47	LC 1-4
				Min V _z	115.70	-7.69	-150.32	-0.42	38.46	-3.64	LC 1-5
				Max M _T	11.63	-16.97	-28.75	2.15	4.86	-2.32	LC 1-4
				Min M _T	-2.92	19.34	3.10	-2.44	-0.97	2.15	LC 1-5
				Max M _y	115.73	-7.48	-150.28	-0.45	38.46	-3.62	LC 1-5
				Min M _y	-107.03	9.85	124.64	0.16	-34.57	3.45	LC 1-4
				Max M _z	-63.61	20.72	77.09	-1.83	-20.80	3.71	LC 1-4
				Min M _z	72.32	-18.34	-102.73	1.54	24.69	-3.89	LC 1-5
		23	5.035	Max N	6.37	-9.89	0.54	1.04	0.39	1.02	LC 1-5
				Min N	-5.35	-7.98	0.37	0.78	0.07	0.85	LC 1-4
				Max V _y	2.31	-5.46	0.21	0.58	0.11	0.55	LC 1-4
				Min V _y	-1.29	-12.41	0.70	1.24	0.35	1.32	LC 1-5
				Max V _z	-1.23	-12.40	0.70	1.24	0.35	1.32	LC 1-5
				Min V _z	2.25	-5.47	0.21	0.58	0.10	0.55	LC 1-4
				Max M _T	-1.10	-12.40	0.70	1.24	0.35	1.32	LC 1-5
				Min M _T	2.12	-5.47	0.21	0.58	0.10	0.55	LC 1-4
				Max M _y	4.72	-11.33	0.63	1.17	0.43	1.19	LC 1-5
				Min M _y	-3.69	-6.54	0.27	0.65	0.03	0.68	LC 1-4
				Max M _z	-1.36	-12.41	0.70	1.24	0.35	1.32	LC 1-5
				Min M _z	2.38	-5.46	0.21	0.58	0.11	0.55	LC 1-4
49	RC1	23	0.000	Max N	-1.27	18.51	0.07	-1.69	0.24	2.03	CO 14
				Min N	-1.64	21.59	0.03	-1.97	0.30	2.37	CO 3
				Max V _y	-1.64	21.76	0.05	-1.98	0.29	2.39	CO 5
				Min V _y	-1.27	18.51	0.07	-1.69	0.24	2.03	CO 14
				Max V _z	-1.49	20.72	0.07	-1.88	0.26	2.27	CO 8
				Min V _z	-1.41	19.38	0.03	-1.77	0.27	2.13	CO 9
				Max M _T	-1.27	18.51	0.07	-1.69	0.24	2.03	CO 14
				Min M _T	-1.64	21.76	0.05	-1.98	0.29	2.39	CO 5
				Max M _y	-1.64	21.59	0.03	-1.97	0.30	2.37	CO 3
				Min M _y	-1.27	18.51	0.07	-1.69	0.24	2.03	CO 14
				Max M _z	-1.64	21.76	0.05	-1.98	0.29	2.39	CO 5
				Min M _z	-1.27	18.51	0.07	-1.69	0.24	2.03	CO 14
		26	3.495	Max N	0.65	1.75	-0.30	-0.15	-0.17	-0.19	CO 12
				Min N	0.19	2.00	-0.33	-0.15	-0.15	-0.27	CO 1
				Max V _y	0.58	2.19	-0.33	-0.18	-0.17	-0.26	CO 8
				Min V _y	0.26	1.57	-0.30	-0.12	-0.14	-0.20	CO 9
				Max V _z	0.65	1.75	-0.30	-0.15	-0.17	-0.19	CO 12
				Min V _z	0.19	2.00	-0.33	-0.15	-0.15	-0.27	CO 1
				Max M _T	0.26	1.57	-0.30	-0.12	-0.14	-0.20	CO 11



4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
49	RC1	23	0.000	Min M _T	0.58	2.18	-0.33	▷	-0.18	-0.17	CO 2
				Max M _y	0.24	1.66	-0.31	▷	-0.13	-0.14	CO 13
				Min M _y	0.60	2.10	-0.32	▷	-0.17	-0.17	CO 6
				Max M _z	0.64	1.75	-0.30	▷	-0.15	-0.17	CO 10
				Min M _z	0.20	2.01	-0.33	▷	-0.14	-0.15	CO 7
				Max N	-0.87	13.08	0.06	▷	-1.19	0.17	CO 28
				Min N	-1.14	15.35	0.02	▷	-1.40	0.21	CO 17
				Max V _y	-1.14	15.47	0.04	▷	-1.41	0.21	CO 19
				Min V _y	-0.87	13.08	0.06	▷	-1.19	0.17	CO 28
				Max V _z	-1.04	14.72	0.06	▷	-1.34	0.19	CO 22
				Min V _z	-0.97	13.71	0.02	▷	-1.25	0.19	CO 23
				Max M _T	-0.87	13.08	0.06	▷	-1.19	0.17	CO 28
	RC2	26	3.495	Min M _T	-1.14	15.47	0.04	▷	-1.41	0.21	CO 19
				Max M _y	-1.14	15.35	0.02	▷	-1.40	0.21	CO 17
				Min M _y	-0.87	13.08	0.06	▷	-1.19	0.17	CO 28
				Max M _z	-1.14	15.47	0.04	▷	-1.41	0.21	CO 19
				Min M _z	-0.87	13.08	0.06	▷	-1.19	0.17	CO 28
				Max N	0.45	1.19	-0.22	▷	-0.10	-0.12	CO 26
				Min N	0.14	1.39	-0.25	▷	-0.10	-0.11	CO 15
				Max V _y	0.40	1.51	-0.24	▷	-0.12	-0.12	CO 22
				Min V _y	0.18	1.07	-0.22	▷	-0.08	-0.10	CO 23
				Max V _z	0.45	1.19	-0.22	▷	-0.10	-0.12	CO 26
				Min V _z	0.14	1.39	-0.25	▷	-0.10	-0.11	CO 15
				Max M _T	0.19	1.07	-0.22	▷	-0.08	-0.10	CO 25
	RC6	23	0.000	Min M _T	0.39	1.51	-0.24	▷	-0.12	-0.12	CO 16
				Max M _y	0.17	1.14	-0.23	▷	-0.09	-0.10	CO 27
				Min M _y	0.41	1.45	-0.24	▷	-0.12	-0.12	CO 20
				Max M _z	0.44	1.19	-0.22	▷	-0.10	-0.12	CO 24
				Min M _z	0.14	1.40	-0.25	▷	-0.10	-0.11	CO 21
				Max N	3.31	8.47	0.22	▷	-0.75	0.04	LC 1-4
				Min N	-4.40	12.53	-0.08	▷	-1.18	0.23	LC 1-5
				Max V _y	1.16	14.26	0.25	▷	-1.29	0.16	LC 1-5
				Min V _y	-2.24	6.74	-0.11	▷	-0.63	0.11	LC 1-4
				Max V _z	3.18	11.44	0.31	▷	-1.02	0.09	LC 1-4
				Min V _z	-4.27	9.55	-0.17	▷	-0.90	0.18	LC 1-5
				Max M _T	1.35	6.87	0.07	▷	-0.62	0.05	LC 1-4
	RC6	26	3.495	Min M _T	-2.44	14.13	0.07	▷	-1.31	0.22	LC 1-5
				Max M _y	-4.14	13.06	-0.05	▷	-1.22	0.23	LC 1-5
				Min M _y	3.05	7.93	0.19	▷	-0.70	0.04	LC 1-4
				Max M _z	1.19	14.26	0.25	▷	-1.29	0.16	LC 1-5
				Min M _z	-2.28	6.74	-0.11	▷	-0.63	0.11	LC 1-4
				Max N	4.62	3.18	-0.15	▷	-0.59	-0.39	LC 1-5
				Min N	-4.39	-1.90	-0.32	▷	0.52	0.23	LC 1-4
				Max V _y	4.50	3.24	-0.26	▷	-0.52	-0.37	LC 1-5
				Min V _y	-4.28	-1.95	-0.21	▷	0.45	0.20	LC 1-4
				Max V _z	0.94	0.42	0.32	▷	-0.43	-0.21	LC 1-4
				Min V _z	-0.71	0.86	-0.79	▷	0.36	0.05	LC 1-5
				Max M _T	-4.25	-1.75	-0.40	▷	0.55	0.23	LC 1-4
50	RC1	28	0.000	Min M _T	4.48	3.03	-0.07	▷	-0.62	-0.39	LC 1-5
				Max M _y	-4.35	-1.83	-0.37	▷	0.54	0.23	LC 1-4
				Min M _y	4.57	3.11	-0.10	▷	-0.62	-0.39	LC 1-5
				Max M _z	1.79	0.90	0.31	▷	-0.52	-0.26	LC 1-4
				Min M _z	-1.56	0.38	-0.78	▷	0.45	0.10	LC 1-5
				Max N	1.99	-4.06	1.43	▷	0.33	-0.44	CO 14
				Min N	0.34	-4.32	1.46	▷	0.40	-0.45	CO 3
				Max V _y	0.59	-3.82	1.33	▷	0.34	-0.40	CO 13
				Min V _y	1.74	-4.56	1.55	▷	0.39	-0.48	CO 4
				Max V _z	1.74	-4.56	1.55	▷	0.39	-0.48	CO 4
				Min V _z	0.59	-3.82	1.33	▷	0.34	-0.40	CO 13
				Max M _T	0.35	-4.32	1.46	▷	0.40	-0.45	CO 5
	RC2	32	2.300	Min M _T	1.99	-4.06	1.43	▷	0.33	-0.44	CO 14
				Max M _y	0.59	-3.82	1.33	▷	0.34	-0.40	CO 13
				Min M _y	1.75	-4.56	1.55	▷	0.39	-0.48	CO 6
				Max M _z	0.59	-3.82	1.33	▷	0.34	-0.40	CO 13
				Min M _z	1.74	-4.56	1.55	▷	0.39	-0.48	CO 4
				Max N	14.41	15.32	23.69	▷	-1.61	3.80	CO 3
				Min N	7.58	15.02	12.95	▷	-1.67	1.23	CO 14
				Max V _y	10.14	16.69	17.14	▷	-1.81	2.06	CO 6
				Min V _y	11.85	13.68	19.51	▷	-1.47	2.96	CO 13
				Max V _z	14.41	15.35	23.70	▷	-1.61	3.80	CO 5
				Min V _z	7.58	15.02	12.95	▷	-1.67	1.23	CO 14
				Max M _T	11.85	13.68	19.51	▷	-1.47	2.96	CO 13
	RC2	28	0.000	Min M _T	10.14	16.69	17.14	▷	-1.81	2.06	CO 6
				Max M _y	14.41	15.35	23.70	▷	-1.61	3.80	CO 5
				Min M _y	7.58	15.02	12.95	▷	-1.67	1.23	CO 14
				Max M _z	11.85	13.68	19.51	▷	-1.47	2.96	CO 13
				Min M _z	10.14	16.69	17.14	▷	-1.81	2.06	CO 6
				Max N	1.33	-2.84	1.02	▷	-0.31	-0.38	CO 28
				Min N	0.21	-3.05	1.05	▷	-0.32	-0.39	CO 17
				Max V _y	0.40	-2.68	0.96	▷	-0.29	-0.35	CO 27
				Min V _y	1.14	-3.21	1.11	▷	-0.35	-0.42	CO 18
				Max V _z	1.14	-3.21	1.11	▷	-0.35	-0.42	CO 18
				Min V _z	0.40	-2.68	0.96	▷	-0.29	-0.35	CO 27
				Max M _T	0.22	-3.05	1.05	▷	-0.32	-0.39	CO 19
	RC2	32	2.300	Min M _T	1.33	-2.84	1.02	▷	-0.31	-0.38	CO 28
				Max M _y	0.40	-2.68	0.96	▷	-0.29	-0.35	CO 27
				Min M _y	1.15	-3.21	1.11	▷	-0.35	-0.42	CO 20
				Max M _z	0.40	-2.68	0.96	▷	-0.29	-0.35	CO 27
				Min M _z	1.14	-3.21	1.11	▷	-0.35	-0.42	CO 18
				Max N	10.41	10.77	17.18	▷	-1.13	2.76	CO 17
				Min N	5.67	10.45	9.72	▷	-1.16	0.98	CO 28
				Max V _y	7.57	11.69	12.82	▷	-1.27	1.60	CO 20



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
50	RC2			Min V _y	8.52	9.56	14.08	-1.03	2.14	-1.06	CO 27
				Max V _z	10.41	10.79	17.19	-1.13	2.76	-1.24	CO 19
				Min V _z	5.67	10.45	9.72	-1.16	0.98	-1.09	CO 28
				Max M _T	8.52	9.56	14.08	-1.03	2.14	-1.06	CO 27
				Min M _T	7.57	11.69	12.82	-1.27	1.60	-1.26	CO 20
				Max M _y	10.41	10.79	17.19	-1.13	2.76	-1.24	CO 19
				Min M _y	5.67	10.45	9.72	-1.16	0.98	-1.09	CO 28
				Max M _z	8.52	9.56	14.08	-1.03	2.14	-1.06	CO 27
				Min M _z	7.57	11.69	12.82	-1.27	1.60	-1.26	CO 20
		28	0.000	Max N	19.34	-5.61	2.16	-0.03	-0.76	-1.14	LC 1-5
				Min N	-19.57	1.90	-0.56	0.37	0.27	0.67	LC 1-4
				Max V _y	-16.10	2.01	-0.63	0.42	0.21	0.79	LC 1-4
				Min V _y	15.87	-5.72	2.23	-0.08	-0.69	-1.26	LC 1-5
				Max V _z	15.84	-5.72	2.23	-0.08	-0.69	-1.26	LC 1-5
				Min V _z	-16.07	2.01	-0.63	0.42	0.21	0.79	LC 1-4
				Max M _T	-15.80	1.59	-0.54	0.46	0.18	0.74	LC 1-5
				Min M _T	15.57	-5.30	2.14	-0.12	-0.66	-1.21	LC 1-4
				Max M _y	-19.54	1.91	-0.57	0.37	0.27	0.67	LC 1-4
				Min M _y	19.31	-5.62	2.17	-0.03	-0.76	-1.14	LC 1-5
				Max M _z	-15.98	2.01	-0.63	0.42	0.20	0.79	LC 1-4
				Min M _z	15.75	-5.71	2.23	-0.08	-0.69	-1.26	LC 1-5
		32	2.300	Max N	89.45	7.59	127.44	-0.18	31.90	-2.87	LC 1-5
				Min N	-72.48	5.03	-98.47	-1.09	-27.14	1.32	LC 1-4
				Max V _y	-20.66	34.78	-22.26	-4.58	-8.11	-2.80	LC 1-5
				Min V _y	37.63	-22.15	51.23	3.31	12.87	1.25	LC 1-4
				Max V _z	89.42	7.78	127.47	-0.21	31.90	-2.89	LC 1-5
				Min V _z	-72.46	4.85	-98.50	-1.07	-27.14	1.34	LC 1-4
				Max M _T	44.95	-21.86	61.41	3.34	15.53	1.03	LC 1-4
				Min M _T	-27.98	34.49	-32.43	-4.62	-10.77	-2.58	LC 1-5
				Max M _y	89.42	7.61	127.46	-0.19	31.90	-2.88	LC 1-5
				Min M _y	-72.46	5.02	-98.49	-1.09	-27.15	1.32	LC 1-4
				Max M _z	-46.45	-10.07	-64.28	1.08	-17.74	2.15	LC 1-4
				Min M _z	63.41	22.70	93.26	-2.36	22.50	-3.70	LC 1-5
51	RC1	32	0.000	Max N	8.39	-16.94	-22.36	1.68	3.97	-2.18	CO 14
				Min N	3.58	-17.08	-16.48	1.70	2.05	-2.06	CO 3
				Max V _y	4.48	-15.53	-16.99	1.52	2.41	-1.92	CO 13
				Min V _y	7.50	-18.52	-21.87	1.85	3.61	-2.32	CO 6
				Max V _z	3.65	-16.69	-16.20	1.65	2.12	-2.02	CO 1
				Min V _z	8.32	-17.33	-22.64	1.73	3.90	-2.22	CO 12
				Max M _T	7.50	-18.52	-21.87	1.85	3.61	-2.32	CO 6
				Min M _T	4.48	-15.53	-16.99	1.52	2.41	-1.92	CO 13
				Max M _y	8.39	-16.94	-22.36	1.68	3.97	-2.18	CO 14
				Min M _y	3.58	-17.08	-16.48	1.70	2.05	-2.06	CO 3
				Max M _z	4.48	-15.53	-16.99	1.52	2.41	-1.92	CO 13
				Min M _z	7.50	-18.52	-21.87	1.85	3.61	-2.32	CO 6
		38	2.600	Max N	16.46	11.98	30.39	-1.12	4.54	-1.58	CO 5
				Min N	9.39	10.20	22.04	-0.96	3.10	-1.30	CO 14
				Max V _y	16.46	11.98	30.39	-1.12	4.54	-1.58	CO 5
				Min V _y	9.39	10.20	22.04	-0.96	3.10	-1.30	CO 14
				Max V _z	16.46	11.98	30.39	-1.12	4.54	-1.58	CO 5
				Min V _z	9.39	10.20	22.04	-0.96	3.10	-1.30	CO 14
				Max M _T	9.39	10.20	22.04	-0.96	3.10	-1.30	CO 14
				Min M _T	16.46	11.98	30.39	-1.12	4.54	-1.58	CO 5
				Max M _y	16.46	11.98	30.39	-1.12	4.54	-1.58	CO 5
				Min M _y	9.39	10.20	22.04	-0.96	3.10	-1.30	CO 14
				Max M _z	9.39	10.20	22.04	-0.96	3.10	-1.30	CO 14
				Min M _z	16.46	11.98	30.39	-1.12	4.54	-1.58	CO 5
	RC2	32	0.000	Max N	5.89	-11.78	-15.82	1.17	2.77	-1.51	CO 28
				Min N	2.62	-12.00	-11.87	1.19	1.47	-1.44	CO 17
				Max V _y	3.29	-10.85	-12.25	1.07	1.73	-1.34	CO 27
				Min V _y	5.23	-12.96	-15.46	1.30	2.50	-1.62	CO 20
				Max V _z	2.67	-11.70	-11.66	1.16	1.52	-1.41	CO 15
				Min V _z	5.84	-12.08	-16.03	1.21	2.72	-1.54	CO 26
				Max M _T	5.23	-12.96	-15.46	1.30	2.50	-1.62	CO 20
				Min M _T	3.29	-10.85	-12.25	1.07	1.73	-1.34	CO 27
				Max M _y	5.89	-11.78	-15.82	1.17	2.77	-1.51	CO 28
				Min M _y	2.62	-12.00	-11.87	1.19	1.47	-1.44	CO 17
				Max M _z	3.29	-10.85	-12.25	1.07	1.73	-1.34	CO 27
				Min M _z	5.23	-12.96	-15.46	1.30	2.50	-1.62	CO 20
		38	2.600	Max N	11.93	8.44	22.01	-0.79	3.28	-1.11	CO 19
				Min N	6.90	7.15	15.92	-0.67	2.25	-0.91	CO 28
				Max V _y	11.93	8.44	22.01	-0.79	3.28	-1.11	CO 19
				Min V _y	6.90	7.15	15.92	-0.67	2.25	-0.91	CO 28
				Max V _z	11.93	8.44	22.01	-0.79	3.28	-1.11	CO 19
				Min V _z	6.90	7.15	15.92	-0.67	2.25	-0.91	CO 28
				Max M _T	6.90	7.15	15.92	-0.67	2.25	-0.91	CO 28
				Min M _T	11.93	8.44	22.01	-0.79	3.28	-1.11	CO 19
				Max M _y	11.93	8.44	22.01	-0.79	3.28	-1.11	CO 19
				Min M _y	6.90	7.15	15.92	-0.67	2.25	-0.91	CO 28
				Max M _z	6.90	7.15	15.92	-0.67	2.25	-0.91	CO 28
				Min M _z	11.93	8.44	22.01	-0.79	3.28	-1.11	CO 19
	RC6	32	0.000	Max N	79.23	-8.27	-102.40	0.26	27.62	-2.82	LC 1-4
				Min N	-74.65	-5.51	84.07	1.14	-25.57	1.19	LC 1-5
				Max V _y	-31.87	27.83	37.75	-2.56	-11.46	4.34	LC 1-4
				Min V _y	36.45	-41.61	-56.09	3.96	13.52	-5.98	LC 1-5
				Max V _z	-74.55	-3.64	84.80	0.96	-25.66	1.41	LC 1-4
				Min V _z	79.13	-10.13	-103.14	0.45	27.72	-3.04	LC 1-5
				Max M _T	30.58	-41.32	-49.00	3.99	11.50	-5.79	LC 1-5
				Min M _T	-26.00	27.55	30.67	-2.59	-9.45	4.15	LC 1-4
				Max M _y	79.15	-9.95	-103.13	0.43	27.72	-3.02	LC 1-5
				Min M _y	-74.57	-3.82	84.79	0.98	-25.66	1.39	LC 1-4
				Max M _z	-53.21	25.79	63.28	-2.18	-18.80	4.60	LC 1-4

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
51	RC6	38	2.600	Min M _z	57.79	-39.56	-81.61	3.58	20.86	-6.24	LC 1-5
				Max N	59.64	4.83	38.70	-0.22	9.17	-1.19	LC 1-5
				Min N	-39.85	5.27	-2.45	-0.73	-3.83	-0.21	LC 1-4
				Max V _y	-9.50	20.94	13.71	-2.34	0.53	-2.17	LC 1-5
				Min V _y	29.29	-10.83	22.54	1.39	4.81	0.77	LC 1-4
				Max V _z	59.49	5.34	38.75	-0.27	9.17	-1.24	LC 1-5
				Min V _z	-39.70	4.76	-2.50	-0.67	-3.83	-0.16	LC 1-4
				Max M _T	33.35	-10.73	24.20	1.40	5.34	0.71	LC 1-4
				Min M _T	-13.56	20.83	12.05	-2.35	0.00	-2.11	LC 1-5
				Max M _y	59.62	4.99	38.72	-0.23	9.18	-1.21	LC 1-5
				Min M _y	-39.83	5.11	-2.47	-0.71	-3.83	-0.20	LC 1-4
				Max M _z	22.89	-10.50	20.02	1.32	3.99	0.80	LC 1-4
				Min M _z	-3.10	20.60	16.23	-2.26	1.36	-2.21	LC 1-5
				Max N	8.06	-10.70	-23.52	1.18	2.98	-1.27	CO 6
				Min N	4.95	-9.84	-16.58	1.09	1.98	-1.13	CO 13
				Max V _y	6.58	-9.46	-18.64	1.04	2.45	-1.12	CO 14
52	RC1	38	0.000	Min V _y	6.43	-11.08	-21.45	1.23	2.51	-1.28	CO 5
				Max V _z	4.95	-9.84	-16.58	1.09	1.98	-1.13	CO 13
				Min V _z	8.06	-10.70	-23.52	1.18	2.98	-1.27	CO 6
				Max M _T	6.43	-11.08	-21.45	1.23	2.51	-1.28	CO 5
				Min M _T	6.58	-9.46	-18.64	1.04	2.45	-1.12	CO 14
				Max M _y	8.06	-10.70	-23.52	1.18	2.98	-1.27	CO 6
				Min M _y	4.95	-9.84	-16.58	1.09	1.98	-1.13	CO 13
				Max M _z	6.58	-9.46	-18.64	1.04	2.45	-1.12	CO 14
				Min M _z	6.43	-11.08	-21.45	1.23	2.51	-1.28	CO 5
		44	4.910	Max N	-1.54	4.27	13.41	-0.60	1.46	-0.67	CO 1
				Min N	-7.30	3.93	10.99	-0.53	0.94	-0.63	CO 12
				Max V _y	-3.20	5.03	13.06	-0.75	1.33	-0.76	CO 11
				Min V _y	-5.64	3.16	11.35	-0.38	1.07	-0.55	CO 2
				Max V _z	-3.02	4.51	14.01	-0.64	1.43	-0.72	CO 5
				Min V _z	-5.90	3.69	10.40	-0.49	0.97	-0.59	CO 14
				Max M _T	-5.72	3.17	11.35	-0.38	1.07	-0.55	CO 8
				Min M _T	-3.13	5.03	13.05	-0.75	1.33	-0.76	CO 9
				Max M _y	-1.54	4.27	13.41	-0.60	1.46	-0.67	CO 1
				Min M _y	-7.30	3.93	10.99	-0.53	0.94	-0.63	CO 12
				Max M _z	-5.64	3.16	11.35	-0.38	1.07	-0.55	CO 2
				Min M _z	-3.20	5.03	13.06	-0.75	1.33	-0.76	CO 11
	RC2	38	0.000	Max N	5.83	-7.55	-16.99	0.83	2.15	-0.90	CO 20
				Min N	3.65	-6.88	-12.00	0.76	1.44	-0.79	CO 27
				Max V _y	4.74	-6.63	-13.37	0.73	1.75	-0.78	CO 28
				Min V _y	4.75	-7.80	-15.61	0.86	1.83	-0.91	CO 19
				Max V _z	3.65	-6.88	-12.00	0.76	1.44	-0.79	CO 27
				Min V _z	5.83	-7.55	-16.99	0.83	2.15	-0.90	CO 20
				Max M _T	4.75	-7.80	-15.61	0.86	1.83	-0.91	CO 19
				Min M _T	4.74	-6.63	-13.37	0.73	1.75	-0.78	CO 28
				Max M _y	5.83	-7.55	-16.99	0.83	2.15	-0.90	CO 20
				Min M _y	3.65	-6.88	-12.00	0.76	1.44	-0.79	CO 27
				Max M _z	4.74	-6.63	-13.37	0.73	1.75	-0.78	CO 28
				Min M _z	4.75	-7.80	-15.61	0.86	1.83	-0.91	CO 19
		44	4.910	Max N	-0.98	2.93	9.79	-0.41	1.07	-0.47	CO 15
				Min N	-4.94	2.76	8.15	-0.37	0.72	-0.45	CO 26
				Max V _y	-2.21	3.49	9.52	-0.52	0.98	-0.53	CO 25
				Min V _y	-3.71	2.19	8.41	-0.26	0.81	-0.38	CO 16
				Max V _z	-2.07	3.11	10.23	-0.44	1.05	-0.50	CO 19
				Min V _z	-3.90	2.58	7.71	-0.34	0.74	-0.42	CO 28
				Max M _T	-3.77	2.20	8.41	-0.26	0.81	-0.39	CO 22
				Min M _T	-2.15	3.49	9.52	-0.52	0.98	-0.53	CO 23
				Max M _y	-0.98	2.93	9.79	-0.41	1.07	-0.47	CO 15
				Min M _y	-4.94	2.76	8.15	-0.37	0.72	-0.45	CO 26
				Max M _z	-3.71	2.19	8.41	-0.26	0.81	-0.38	CO 16
				Min M _z	-2.21	3.49	9.52	-0.52	0.98	-0.53	CO 25
	RC6	38	0.000	Max N	38.42	-6.46	-54.23	0.52	10.73	-1.38	LC 1-4
				Min N	-29.28	-2.83	27.49	0.52	-7.54	0.27	LC 1-5
				Max V _y	-12.25	12.60	9.62	-1.14	-3.21	1.82	LC 1-4
				Min V _y	21.39	-21.89	-36.36	2.18	6.41	-2.93	LC 1-5
				Max V _z	-29.20	-1.68	28.05	0.40	-7.58	0.40	LC 1-4
				Min V _z	38.34	-7.60	-54.79	0.65	10.77	-1.51	LC 1-5
				Max M _T	19.13	-21.81	-33.62	2.19	5.80	-2.88	LC 1-5
				Min M _T	-9.99	12.53	6.89	-1.14	-2.60	1.77	LC 1-4
				Max M _y	38.34	-7.52	-54.78	0.64	10.77	-1.50	LC 1-5
				Min M _y	-29.20	-1.77	28.04	0.41	-7.58	0.39	LC 1-4
				Max M _z	-19.41	12.07	18.20	-1.04	-5.14	1.89	LC 1-4
				Min M _z	28.55	-21.36	-44.93	2.09	8.33	-3.00	LC 1-5
		44	4.910	Max N	73.27	-2.17	38.27	0.47	6.94	-0.06	LC 1-4
				Min N	-74.83	4.64	-20.14	-0.74	-4.98	-0.46	LC 1-5
				Max V _y	-30.90	36.95	9.46	-7.22	0.29	-3.95	LC 1-5
				Min V _y	29.33	-34.49	8.68	6.94	1.67	3.43	LC 1-4
				Max V _z	70.12	3.83	39.37	-0.67	7.00	-0.72	LC 1-5
				Min V _z	-71.69	-1.36	-21.24	0.40	-5.04	0.20	LC 1-4
				Max M _T	29.79	-34.43	8.85	6.96	1.71	3.41	LC 1-4
				Min M _T	-31.36	36.89	9.28	-7.23	0.25	-3.92	LC 1-5
				Max M _y	71.83	1.51	39.26	-0.21	7.02	-0.47	LC 1-5
				Min M _y	-73.39	0.96	-21.13	-0.06	-5.07	-0.04	LC 1-4
				Max M _z	25.78	-34.32	7.33	6.88	1.39	3.45	LC 1-4
				Min M _z	-27.35	36.78	10.80	-7.15	0.57	-3.96	LC 1-5
53	RC1	44	0.000	Max N	4.62	-3.75	-14.07	0.65	1.44	-0.44	CO 8
				Min N	-4.68	-3.15	-10.06	0.55	0.60	-0.35	CO 9
				Max V _y	-4.34	-2.70	-8.88	0.47	0.52	-0.31	CO 13
				Min V _y	4.43	-4.21	-15.28	0.74	1.52	-0.48	CO 6
				Max V _z	-4.34	-2.70	-8.88	0.47	0.52	-0.31	CO 13
				Min V _z	4.43	-4.21	-15.28	0.74	1.52	-0.48	CO 6

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases			
					N	V _y	V _z	M _T	M _y	M _z				
53	RC1	48	3.730	Min M _T	-4.34	-2.70	-8.88	▷ 0.47	0.52	-0.31	CO 13			
				Max M _y	4.43	-4.21	-15.28	▷ 0.74	1.52	-0.48	CO 6			
				Min M _y	-4.34	-2.70	-8.88	▷ 0.47	0.52	-0.31	CO 13			
				Max M _z	-4.34	-2.70	-8.88	▷ 0.47	0.52	-0.31	CO 13			
				Min M _z	4.28	-4.21	-15.25	▷ 0.74	1.52	-0.48	CO 4			
				Max N	▷ -26.05	▷ -28.21	▷ 44.68	▷ 2.59	▷ 7.39	▷ 3.00	CO 9			
				Min N	▷ -35.40	▷ -32.94	▷ 51.05	▷ 3.00	▷ 8.41	▷ 3.52	CO 6			
				Max V _y	▷ -28.73	▷ -27.76	▷ 43.47	▷ 2.51	▷ 7.16	▷ 2.97	CO 10			
				Min V _y	▷ -32.72	▷ -33.39	▷ 52.26	▷ 3.09	▷ 8.64	▷ 3.55	CO 5			
				Max V _z	▷ -32.72	▷ -33.39	▷ 52.26	▷ 3.09	▷ 8.64	▷ 3.55	CO 5			
				Min V _z	▷ -28.81	▷ -28.58	▷ 43.32	▷ 2.59	▷ 7.28	▷ 3.05	CO 14			
				Max M _T	▷ -32.72	▷ -33.39	▷ 52.26	▷ 3.09	▷ 8.64	▷ 3.55	CO 5			
				Min M _T	▷ -28.73	▷ -27.76	▷ 43.47	▷ 2.51	▷ 7.16	▷ 2.97	CO 10			
				Max M _y	▷ -32.72	▷ -33.39	▷ 52.26	▷ 3.09	▷ 8.64	▷ 3.55	CO 5			
				Min M _y	▷ -28.73	▷ -27.76	▷ 43.47	▷ 2.51	▷ 7.16	▷ 2.97	CO 10			
				Max M _z	▷ -32.72	▷ -33.39	▷ 52.26	▷ 3.09	▷ 8.64	▷ 3.55	CO 5			
				Min M _z	▷ -28.73	▷ -27.76	▷ 43.47	▷ 2.51	▷ 7.16	▷ 2.97	CO 10			
				RC2	44	0.000	Max N	▷ 3.60	▷ -2.61	▷ -10.36	▷ 0.46	▷ 1.08	▷ -0.31	CO 22
							Min N	▷ -2.91	▷ -2.23	▷ -7.58	▷ 0.39	▷ 0.50	▷ -0.25	CO 23
							Max V _y	▷ -2.67	▷ -1.89	▷ -6.71	▷ 0.33	▷ 0.44	▷ -0.22	CO 27
							Min V _y	▷ 3.46	▷ -2.95	▷ -11.26	▷ 0.52	▷ 1.13	▷ -0.34	CO 20
							Max V _z	▷ -2.67	▷ -1.89	▷ -6.71	▷ 0.33	▷ 0.44	▷ -0.22	CO 27
							Min V _z	▷ 3.46	▷ -2.95	▷ -11.26	▷ 0.52	▷ 1.13	▷ -0.34	CO 20
							Max M _T	▷ 3.46	▷ -2.95	▷ -11.26	▷ 0.52	▷ 1.13	▷ -0.34	CO 20
	Min M _T	▷ -2.67	▷ -1.89				▷ -6.71	▷ 0.33	▷ 0.44	▷ -0.22	CO 27			
	Max M _y	▷ 3.46	▷ -2.95				▷ -11.26	▷ 0.52	▷ 1.13	▷ -0.34	CO 20			
	Min M _y	▷ -2.67	▷ -1.89				▷ -6.71	▷ 0.33	▷ 0.44	▷ -0.22	CO 27			
	Max M _z	▷ -2.67	▷ -1.89				▷ -6.71	▷ 0.33	▷ 0.44	▷ -0.22	CO 27			
	Min M _z	▷ 3.35	▷ -2.95				▷ -11.23	▷ 0.52	▷ 1.13	▷ -0.34	CO 18			
	48	3.730	Max N				▷ -18.26	▷ -19.82	▷ 31.90	▷ 1.82	▷ 5.26	▷ 2.10	CO 23	
			Min N				▷ -24.99	▷ -23.36	▷ 36.71	▷ 2.14	▷ 6.03	▷ 2.49	CO 20	
			Max V _y				▷ -20.05	▷ -19.52	▷ 31.10	▷ 1.77	▷ 5.11	▷ 2.08	CO 24	
			Min V _y				▷ -23.20	▷ -23.66	▷ 37.52	▷ 2.19	▷ 6.19	▷ 2.51	CO 19	
			Max V _z				▷ -23.20	▷ -23.66	▷ 37.52	▷ 2.19	▷ 6.19	▷ 2.51	CO 19	
			Min V _z				▷ -20.11	▷ -20.13	▷ 30.98	▷ 1.83	▷ 5.19	▷ 2.14	CO 28	
			Max M _T				▷ -23.20	▷ -23.66	▷ 37.52	▷ 2.19	▷ 6.19	▷ 2.51	CO 19	
			Min M _T				▷ -20.05	▷ -19.52	▷ 31.10	▷ 1.77	▷ 5.11	▷ 2.08	CO 24	
			Max M _y				▷ -23.20	▷ -23.66	▷ 37.52	▷ 2.19	▷ 6.19	▷ 2.51	CO 19	
			Min M _y				▷ -20.05	▷ -19.52	▷ 31.10	▷ 1.77	▷ 5.11	▷ 2.08	CO 24	
			Max M _z				▷ -23.20	▷ -23.66	▷ 37.52	▷ 2.19	▷ 6.19	▷ 2.51	CO 19	
			Min M _z				▷ -20.05	▷ -19.52	▷ 31.10	▷ 1.77	▷ 5.11	▷ 2.08	CO 24	
	RC6	44	0.000	Max N	▷ 162.25	▷ 10.26	▷ -80.61	▷ -0.64	▷ 15.44	▷ 1.33	LC 1-4			
				Min N	▷ -152.56	▷ -13.34	▷ 59.08	▷ 1.26	▷ -13.02	▷ -1.68	LC 1-5			
				Max V _y	▷ 123.91	▷ 17.92	▷ -61.01	▷ -1.87	▷ 11.55	▷ 2.26	LC 1-4			
				Min V _y	▷ -114.21	▷ -21.00	▷ 39.48	▷ 2.49	▷ -9.12	▷ -2.62	LC 1-5			
				Max V _z	▷ -151.93	▷ -12.43	▷ 59.26	▷ 1.13	▷ -12.99	▷ -1.58	LC 1-4			
				Min V _z	▷ 161.63	▷ 9.35	▷ -80.79	▷ -0.51	▷ 15.42	▷ 1.22	LC 1-5			
				Max M _T	▷ -6.48	▷ -19.98	▷ -10.30	▷ 2.99	▷ 0.90	▷ -2.32	LC 1-5			
				Min M _T	▷ 16.17	▷ 16.90	▷ -11.23	▷ -2.36	▷ 1.52	▷ 1.96	LC 1-4			
				Max M _y	▷ 162.12	▷ 9.69	▷ -80.70	▷ -0.56	▷ 15.45	▷ 1.26	LC 1-4			
				Min M _y	▷ -152.43	▷ -12.77	▷ 59.17	▷ 1.18	▷ -13.03	▷ -1.61	LC 1-5			
				Max M _z	▷ 119.52	▷ 17.84	▷ -59.04	▷ -1.85	▷ 11.15	▷ 2.27	LC 1-4			
				Min M _z	▷ -109.83	▷ -20.92	▷ 37.51	▷ 2.47	▷ -8.72	▷ -2.63	LC 1-5			
	54	RC1	48	0.000	Max N	▷ -129.62	▷ -23.91	▷ 3.89	▷ 1.34	▷ -1.55	▷ -3.37	CO 10		
					Min N	▷ -157.21	▷ -27.79	▷ 7.45	▷ 1.58	▷ -2.23	▷ -3.90	CO 7		
					Max V _y	▷ -135.66	▷ -23.90	▷ 5.00	▷ 1.33	▷ -1.76	▷ -3.37	CO 12		
					Min V _y	▷ -151.17	▷ -27.81	▷ 6.34	▷ 1.60	▷ -2.02	▷ -3.90	CO 1		
					Max V _z	▷ -137.97	▷ -24.73	▷ 7.88	▷ 1.47	▷ -2.16	▷ -3.44	CO 13		
					Min V _z	▷ -148.86	▷ -26.97	▷ 3.46	▷ 1.46	▷ -1.62	▷ -3.83	CO 4		
					Max M _T	▷ -151.17	▷ -27.81	▷ 6.34	▷ 1.60	▷ -2.02	▷ -3.90	CO 1		
Min M _T					▷ -135.66	▷ -23.90	▷ 5.00	▷ 1.33	▷ -1.76	▷ -3.37	CO 12			
Max M _y					▷ -129.62	▷ -23.91	▷ 3.89	▷ 1.34	▷ -1.55	▷ -3.37	CO 10			
Min M _y					▷ -157.21	▷ -27.79	▷ 7.45	▷ 1.58	▷ -2.23	▷ -3.90	CO 7			
Max M _z					▷ -135.66	▷ -23.90	▷ 5.00	▷ 1.33	▷ -1.76	▷ -3.37	CO 12			
Min M _z					▷ -151.17	▷ -27.81	▷ 6.34	▷ 1.60	▷ -2.02	▷ -3.90	CO 1			
179					1.555	Max N	▷ -13.37	▷ 8.03	▷ 4.92	▷ -1.49	▷ -1.41	▷ -0.35	CO 9	
						Min N	▷ -16.29	▷ 9.23	▷ 5.87	▷ -1.71	▷ -1.65	▷ -0.41	CO 6	
						Max V _y	▷ -15.33	▷ 9.25	▷ 5.79	▷ -1.71	▷ -1.60	▷ -0.40	CO 3	
						Min V _y	▷ -14.09	▷ 8.02	▷ 4.98	▷ -1.48	▷ -1.36	▷ -0.36	CO 14	
						Max V _z	▷ -15.91	▷ 9.23	▷ 6.04	▷ -1.71	▷ -1.64	▷ -0.41	CO 5	
						Min V _z	▷ -13.74	▷ 8.03	▷ 4.75	▷ -1.49	▷ -1.41	▷ -0.35	CO 10	
						Max M _T	▷ -13.72	▷ 8.02	▷ 5.15	▷ -1.48	▷ -1.36	▷ -0.36	CO 13	
						Min M _T	▷ -15.71	▷ 9.25	▷ 5.62	▷ -1.71	▷ -1.60	▷ -0.40	CO 4	
						Max M _y	▷ -13.72	▷ 8.02	▷ 5.15	▷ -1.48	▷ -1.36	▷ -0.36	CO 13	
						Min M _y	▷ -16.29	▷ 9.23	▷ 5.87	▷ -1.71	▷ -1.65	▷ -0.41	CO 6	
						Max M _z	▷ -13.74	▷ 8.03	▷ 4.75	▷ -1.49	▷ -1.41	▷ -0.35	CO 10	
						Min M _z	▷ -15.68	▷ 9.23	▷ 6.02	▷ -1.71	▷ -1.55	▷ -0.41	CO 7	
RC2		48	0.000	Max N	▷ -91.06	▷ -16.69	▷ 2.21	▷ 0.93	▷ -1.02	▷ -2.36	CO 24			
				Min N	▷ -111.34	▷ -19.51	▷ 4.74	▷ 1.10	▷ -1.51	▷ -2.74	CO 21			
				Max V _y	▷ -95.54	▷ -16.67	▷ 3.03	▷ 0.92	▷ -1.17	▷ -2.36	CO 26			

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding				
				N	V _y	V _z	M _T	M _y	M _z	Load Cases					
54	RC2	179	1.555	Min V _y	-106.86	▷	-19.52	3.92	1.11	-1.35	-2.74	CO 15			
				Max V _z	-97.09	▷	-17.25	5.06	1.02	-1.45	-2.40	CO 27			
				Min V _z	-105.31	▷	-18.95	1.88	1.01	-1.07	-2.70	CO 18			
				Max M _T	-106.86	▷	-19.52	3.92	1.11	-1.35	-2.74	CO 15			
				Min M _T	-95.54	▷	-16.67	3.03	0.92	-1.17	-2.36	CO 26			
				Max M _y	-91.06	▷	-16.69	2.21	0.93	▷	-1.02	-2.36	CO 24		
				Min M _y	-111.34	▷	-19.51	4.74	1.10	▷	-1.51	-2.74	CO 21		
				Max M _z	-95.54	▷	-16.67	3.03	0.92	▷	-1.17	-2.36	CO 26		
				Min M _z	-106.86	▷	-19.52	3.92	1.11	▷	-1.35	-2.74	CO 15		
				Max N	-9.44	▷	5.62	3.48	-1.04	▷	-1.00	-0.24	CO 23		
				Min N	-11.58	▷	6.51	4.20	-1.21	▷	-1.18	-0.29	CO 20		
				Max V _y	-10.90	▷	6.52	4.12	-1.21	▷	-1.15	-0.28	CO 17		
				Min V _y	-9.95	▷	5.61	3.54	-1.04	▷	-0.97	-0.25	CO 28		
				Max V _z	-11.33	▷	6.51	4.31	-1.21	▷	-1.18	-0.29	CO 19		
				Min V _z	-9.69	▷	5.62	3.37	-1.04	▷	-1.01	-0.24	CO 24		
				Max M _T	-9.70	▷	5.61	3.65	▷	-1.04	-0.97	-0.25	CO 27		
				Min M _T	-11.15	▷	6.52	4.01	▷	-1.21	-1.15	-0.28	CO 18		
				Max M _y	-9.70	▷	5.61	3.65	▷	-1.04	-0.97	-0.25	CO 27		
				Min M _y	-11.58	▷	6.51	4.20	▷	-1.21	-1.18	-0.29	CO 20		
				Max M _z	-9.69	▷	5.62	3.37	▷	-1.04	-1.01	-0.24	CO 24		
				Min M _z	-11.16	▷	6.51	4.29	▷	-1.20	-1.11	-0.29	CO 21		
	RC6	48	0.000	Max N	-28.88	▷	-11.73	-19.84	0.59	3.26	-1.90	LC 1-4			
				Min N	-115.42	▷	-10.42	15.32	0.44	-3.83	-1.34	LC 1-5			
				Max V _y	-74.55	▷	12.02	-10.52	-2.80	0.66	0.96	LC 1-4			
				Min V _y	-69.76	▷	-34.17	6.00	3.82	-1.24	-4.20	LC 1-5			
				Max V _z	-109.58	▷	-20.03	17.69	1.86	-4.00	-2.41	LC 1-5			
				Min V _z	-34.72	▷	-2.12	-22.21	-0.84	3.43	-0.84	LC 1-4			
				Max M _T	-70.97	▷	-34.14	6.59	3.83	-1.35	-4.18	LC 1-5			
				Min M _T	-73.33	▷	11.98	-11.10	-2.80	0.78	0.94	LC 1-4			
				Max M _y	-32.12	▷	-4.93	-21.97	-0.43	3.47	-1.16	LC 1-4			
				Min M _y	-112.18	▷	-17.22	17.45	1.46	▷	-4.04	-2.08	LC 1-5		
				Max M _z	-77.77	▷	11.89	-8.88	-2.76	0.34	▷	0.97	LC 1-4		
				Min M _z	-66.53	▷	-34.04	4.36	3.78	▷	-0.91	-4.21	LC 1-5		
		179	1.555	Max N	-1.30	▷	3.56	6.35	-0.66	-0.78	-0.18	LC 1-4			
				Min N	-14.34	▷	4.37	-0.23	-0.82	-0.99	-0.18	LC 1-5			
				Max V _y	-5.44	▷	4.49	6.56	-0.85	-0.97	-0.22	LC 1-5			
				Min V _y	-10.19	▷	3.44	-0.45	-0.63	-0.80	-0.13	LC 1-4			
				Max V _z	-2.66	▷	4.46	6.92	-0.83	-0.89	-0.22	LC 1-5			
				Min V _z	-12.97	▷	3.47	-0.81	-0.65	-0.88	-0.14	LC 1-4			
				Max M _T	-8.53	▷	3.45	0.36	▷	-0.63	-0.78	-0.14	LC 1-4		
				Min M _T	-7.10	▷	4.48	5.75	▷	-0.85	-0.99	-0.22	LC 1-5		
				Max M _y	-2.43	▷	3.52	4.83	▷	-0.65	-0.76	-0.16	LC 1-4		
				Min M _y	-13.20	▷	4.41	1.29	▷	-0.83	-1.01	-0.19	LC 1-5		
				Max M _z	-10.44	▷	3.44	-0.52	-0.63	▷	-0.81	-0.13	LC 1-4		
				Min M _z	-5.20	▷	4.49	6.64	▷	-0.85	-0.96	-0.22	LC 1-5		
55	RC1	54	0.000	Max N	-4.97	▷	-1.11	-12.17	0.36	2.10	-0.02	CO 8			
				Min N	-13.09	▷	-0.44	-7.50	0.25	1.14	0.05	CO 9			
				Max V _y	-8.86	▷	-0.17	-9.52	0.19	1.60	0.07	CO 7			
				Min V _y	-9.20	▷	-1.38	-10.16	0.42	1.64	-0.04	CO 10			
				Max V _z	-11.86	▷	-0.29	-6.62	0.19	1.06	0.05	CO 13			
				Min V _z	-6.19	▷	-1.25	-13.06	0.41	2.19	-0.01	CO 4			
				Max M _T	-9.20	▷	-1.38	-10.16	0.42	1.64	-0.04	CO 10			
				Min M _T	-8.86	▷	-0.17	-9.52	0.19	1.60	0.07	CO 7			
				Max M _y	-6.11	▷	-1.24	-13.05	0.41	2.19	-0.01	CO 6			
				Min M _y	-11.86	▷	-0.29	-6.62	0.19	1.06	0.05	CO 13			
				Max M _z	-10.09	▷	-0.32	-10.40	0.25	1.69	▷	0.08	CO 3		
				Min M _z	-7.97	▷	-1.23	-9.27	0.36	1.55	▷	-0.04	CO 14		
				56	5.035	Max N	6.56	▷	1.46	18.15	-0.31	3.26	-0.10	CO 13	
						Min N	-1.36	▷	2.91	16.84	-0.55	2.89	-0.25	CO 6	
						Max V _y	-1.36	▷	2.91	16.84	-0.55	2.89	-0.25	CO 6	
						Min V _y	2.86	▷	1.44	17.20	-0.31	3.06	-0.08	CO 1	
						Max V _z	6.15	▷	1.59	19.38	-0.36	3.42	-0.10	CO 9	
						Min V _z	-0.92	▷	2.76	15.64	-0.50	2.74	-0.25	CO 8	
						Max M _T	6.56	▷	1.46	18.15	▷	-0.31	3.26	-0.10	CO 13
						Min M _T	-1.36	▷	2.91	16.84	▷	-0.55	2.89	-0.25	CO 6
						Max M _y	6.15	▷	1.59	19.38	▷	-0.36	3.42	-0.10	CO 9
						Min M _y	-0.92	▷	2.76	15.64	▷	-0.50	2.74	-0.25	CO 8
						Max M _z	2.42	▷	1.59	18.40	-0.37	3.21	▷	-0.08	CO 3
						Min M _z	2.81	▷	2.75	16.62	-0.49	2.94	▷	-0.26	CO 14
RC2	54	0.000	Max N	-3.39	▷	-0.75	-9.02	0.25	1.56	-0.01	CO 22				
			Min N	-9.11	▷	-0.32	-5.75	0.18	0.89	0.04	CO 23				
			Max V _y	-5.98	▷	-0.12	-7.25	0.14	1.23	0.05	CO 21				
			Min V _y	-6.52	▷	-0.95	-7.52	0.30	1.22	-0.02	CO 24				
			Max V _z	-8.21	▷	-0.22	-5.10	0.14	0.82	0.03	CO 27				
			Min V _z	-4.30	▷	-0.86	-9.67	0.29	1.62	-0.00	CO 18				
			Max M _T	-6.52	▷	-0.95	-7.52	▷	0.30	1.22	-0.02	CO 24			
			Min M _T	-5.98	▷	-0.12	-7.25	▷	0.14	1.23	0.05	CO 21			
			Max M _y	-4.23	▷	-0.85	-9.67	▷	0.29	1.62	-0.00	CO 20			
			Min M _y	-8.21	▷	-0.22	-5.10	▷	0.14	0.82	0.03	CO 27			
			Max M _z	-6.89	▷	-0.23	-7.90	0.18	1.29	▷	0.06	CO 17			
			Min M _z	-5.61	▷	-0.84	-6.87	0.25	1.15	▷	-0.03	CO 28			
			56	5.035	Max N	4.48	▷	1.06	13.07	-0.22	2.34	-0.07	CO 27		
					Min N	-1.10	▷	2.04	12.21	-0.39	2.09	-0.18	CO 20		
					Max V _y	-1.10	▷	2.04	12.21	-0.39	2.09	-0.18	CO 20		
					Min V _y	1.75	▷	1.04	12.36	-0.23	2.20	-0.06	CO 15		
					Max V _z	4.18	▷	1.16	13.97	-0.26	2.46	-0.07	CO 23		
					Min V _z	-0.77	▷	1.93	11.32	-0.35	1.98	-0.18	CO 22		
					Max M _T	4.48	▷	1.06	13.07	▷	-0.22	2.34	-0.07	CO 27	
					Min M _T	-1.10	▷	2.04	12.21	▷	-0.39	2.09	-0.18	CO 20	
Max M _y	4.18	▷			1.16	13.97	▷	-0.26	2.46	-0.07	CO 23				
Min M _y	-0.77	▷			1.93	11.32	▷	-0.35	1.98	-0.18	CO 22				
Max M _z	1.42	▷	1.16	13.25	-0.27	2.31	▷	-0.06	CO 17						

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z		
55	RC2	54	0.000	Min M _z	1.99	1.92	12.04	-0.34	2.13	-0.18	CO 28
	Max N			114.03	7.26	-75.48	-0.40	14.46	1.49	LC 1-4	
	Min N			-118.08	-7.63	56.27	0.71	-11.19	-1.38	LC 1-5	
	Max V _y			8.87	18.54	-9.01	-2.70	1.80	2.31	LC 1-5	
	Min V _y			-12.92	-18.91	-10.21	3.02	1.47	-2.20	LC 1-4	
	Max V _z			-117.72	-6.46	56.50	0.54	-11.22	-1.24	LC 1-5	
	Min V _z			113.67	6.10	-75.72	-0.22	14.49	1.35	LC 1-4	
	Max M _T			-9.17	-18.74	-12.79	3.04	1.97	-2.14	LC 1-5	
	Min M _T			5.12	18.38	-6.43	-2.73	1.31	2.25	LC 1-4	
	Max M _y			113.79	6.30	-75.71	-0.25	14.49	1.37	LC 1-4	
	Min M _y			-117.83	-6.67	56.49	0.57	-11.22	-1.26	LC 1-5	
	Max M _z			82.73	15.79	-54.14	-1.73	10.46	2.48	LC 1-5	
	56	5.035	Min M _z	-86.78	-16.16	34.92	2.05	-7.18	-2.37	LC 1-4	
			Max N	114.48	-1.36	78.65	-0.47	14.97	0.78	LC 1-5	
			Min N	-118.08	3.44	-58.38	0.03	-11.52	-0.93	LC 1-4	
			Max V _y	-15.82	21.77	14.44	-3.29	2.18	-2.64	LC 1-5	
			Min V _y	12.22	-19.69	5.83	2.84	1.27	2.49	LC 1-4	
			Max V _z	112.52	2.25	79.68	-1.01	15.11	0.34	LC 1-5	
			Min V _z	-116.12	-0.16	-59.40	0.57	-11.65	-0.49	LC 1-4	
			Max M _T	-6.41	-19.28	-5.20	2.92	-0.86	2.31	LC 1-4	
			Min M _T	2.81	21.37	25.48	-3.36	4.31	-2.47	LC 1-5	
			Max M _y	113.11	1.62	79.65	-0.92	15.11	0.42	LC 1-5	
			Min M _y	-116.71	0.46	-59.37	0.47	-11.66	-0.57	LC 1-4	
			Max M _z	33.92	-19.21	19.22	2.62	3.84	2.56	LC 1-4	
56	RC1	180	0.000	Min M _z	-37.52	21.30	1.06	-3.07	-0.39	-2.72	LC 1-5
	Max N			-4.88	-7.10	6.94	1.42	-2.18	-0.11	CO 14	
	Min N			-6.39	-8.17	8.66	1.64	-2.59	-0.13	CO 5	
	Max V _y			-5.51	-7.09	7.50	1.42	-2.29	-0.11	CO 11	
	Min V _y			-5.66	-8.23	7.84	1.64	-2.43	-0.14	CO 2	
	Max V _z			-6.39	-8.17	8.66	1.64	-2.59	-0.13	CO 5	
	Min V _z			-4.91	-7.15	6.70	1.43	-2.24	-0.11	CO 10	
	Max M _T			-5.79	-8.23	7.86	1.65	-2.54	-0.13	CO 4	
	Min M _T			-5.39	-7.10	7.48	1.42	-2.18	-0.12	CO 13	
	Max M _y			-4.88	-7.10	6.94	1.42	-2.18	-0.11	CO 14	
	Min M _y			-6.39	-8.17	8.66	1.64	-2.59	-0.13	CO 5	
	Max M _z			-5.01	-7.10	6.96	1.43	-2.29	-0.11	CO 12	
	56	1.555	Min M _z	-6.17	-8.23	8.38	1.64	-2.43	-0.14	CO 1	
			Max N	2.65	0.40	9.12	-0.10	1.00	0.03	CO 7	
			Min N	-3.11	0.29	7.09	-0.06	0.61	0.04	CO 10	
			Max V _y	1.67	1.41	7.97	-0.28	0.87	-0.11	CO 13	
			Min V _y	-2.00	-0.73	8.17	0.12	0.71	0.18	CO 6	
			Max V _z	1.76	0.22	10.07	-0.07	1.10	0.07	CO 3	
			Min V _z	-2.22	0.47	6.15	-0.09	0.51	0.00	CO 14	
			Max M _T	-2.00	-0.73	8.17	0.12	0.71	0.18	CO 6	
			Min M _T	1.67	1.41	7.97	-0.28	0.87	-0.11	CO 13	
			Max M _y	1.76	0.22	10.07	-0.07	1.10	0.07	CO 3	
			Min M _y	-2.22	0.47	6.15	-0.09	0.51	0.00	CO 14	
			Max M _z	-2.13	-0.73	8.25	0.12	0.73	0.18	CO 4	
	RC2	180	0.000	Min M _z	1.67	1.41	7.97	-0.28	0.87	-0.11	CO 13
				Max N	-3.46	-4.96	4.93	1.00	-1.55	-0.08	CO 28
				Min N	-4.54	-5.75	6.16	1.15	-1.86	-0.09	CO 19
				Max V _y	-3.89	-4.95	5.30	1.00	-1.63	-0.08	CO 25
				Min V _y	-4.04	-5.80	5.59	1.16	-1.73	-0.09	CO 16
				Max V _z	-4.54	-5.75	6.16	1.15	-1.86	-0.09	CO 19
				Min V _z	-3.48	-4.99	4.75	1.00	-1.59	-0.08	CO 24
				Max M _T	-4.13	-5.79	5.61	1.16	-1.82	-0.09	CO 18
				Min M _T	-3.79	-4.96	5.29	0.99	-1.55	-0.08	CO 27
				Max M _y	-3.46	-4.96	4.93	1.00	-1.55	-0.08	CO 28
				Min M _y	-4.54	-5.75	6.16	1.15	-1.86	-0.09	CO 19
				Max M _z	-3.55	-4.96	4.94	1.00	-1.63	-0.07	CO 26
		56	1.555	Min M _z	-4.37	-5.79	5.95	1.16	-1.74	-0.10	CO 15
				Max N	1.86	0.21	6.76	-0.05	0.75	0.03	CO 21
				Min N	-2.12	0.20	5.39	-0.04	0.49	0.03	CO 24
				Max V _y	1.13	0.96	5.90	-0.19	0.66	-0.07	CO 27
				Min V _y	-1.30	-0.55	6.19	0.09	0.57	0.14	CO 20
				Max V _z	1.20	0.08	7.46	-0.03	0.83	0.06	CO 17
				Min V _z	-1.46	0.33	4.69	-0.06	0.42	0.00	CO 28
				Max M _T	-1.30	-0.55	6.19	0.09	0.57	0.14	CO 20
				Min M _T	1.13	0.96	5.90	-0.19	0.66	-0.07	CO 27
				Max M _y	1.20	0.08	7.46	-0.03	0.83	0.06	CO 17
				Min M _y	-1.46	0.33	4.69	-0.06	0.42	0.00	CO 28
				Max M _z	-1.39	-0.55	6.24	0.09	0.59	0.14	CO 18
	RC6	180	0.000	Min M _z	1.13	0.96	5.90	-0.19	0.66	-0.07	CO 27
				Max N	5.74	-3.23	-4.83	0.69	-1.25	0.00	LC 1-4
				Min N	-11.80	-3.64	13.24	0.72	-1.49	-0.08	LC 1-5
				Max V _y	-6.65	-2.76	7.51	0.57	-1.36	-0.05	LC 1-4
				Min V _y	0.59	-4.12	0.90	0.84	-1.38	-0.03	LC 1-5
				Max V _z	-11.80	-3.65	13.25	0.72	-1.49	-0.08	LC 1-5
				Min V _z	5.73	-3.23	-4.84	0.69	-1.25	0.00	LC 1-4
				Max M _T	4.96	-4.08	-3.84	0.85	-1.41	-0.02	LC 1-5
				Min M _T	-11.02	-2.80	12.25	0.56	-1.33	-0.06	LC 1-4
				Max M _y	0.42	-3.29	0.96	0.68	-1.21	-0.01	LC 1-4
				Min M _y	-6.49	-3.58	7.45	0.73	-1.53	-0.07	LC 1-5
				Max M _z	5.58	-3.25	-4.65	0.69	-1.24	0.00	LC 1-4
		56	1.555	Min M _z	-11.64	-3.63	13.06	0.72	-1.49	-0.08	LC 1-5
				Max N	64.96	-0.50	41.46	0.13	7.58	0.06	LC 1-5
				Min N	-64.02	-0.79	-26.63	0.12	-5.72	0.19	LC 1-4
				Max V _y	-0.38	26.79	-2.84	-5.69	-0.72	-2.85	LC 1-5
				Min V _y	1.32	-28.08	17.67	5.94	2.58	3.10	LC 1-4
				Max V _z	64.11	-3.57	42.13	0.78	7.67	0.40	LC 1-5
				Min V _z	-63.17	2.28	-27.30	-0.53	-5.80	-0.14	LC 1-4
				Max M _T	1.72	-27.99	17.90	5.96	2.62	3.06	LC 1-4

Date: 2/3/2021

Project:

Model: XWROS POLITISMOY SKLIBANH

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases				
				N	V _y	V _z	M _T	M _y	M _z					
56	RC6			Min M _T	-0.78	26.70	-3.07	▷	-5.71	-0.76	-2.81	LC 1-5		
				Max M _y	64.13	-3.25	42.08	▷	0.71	7.70	0.36	LC 1-4		
				Min M _y	-63.20	1.96	-27.25	▷	-0.46	-5.84	-0.40	LC 1-5		
				Max M _z	0.31	-27.90	17.00	5.85	2.45	3.12	LC 1-4			
57	RC1	50	0.000	Min M _z	0.63	26.61	-2.17	▷	-5.60	-2.87	-2.87	LC 1-5		
				Max N	-58.98	2.39	-34.91	2.02	6.71	0.54	CO 14			
				Min N	-69.77	5.41	-40.57	1.62	7.68	0.88	CO 5			
				Max V _y	-66.88	5.46	-39.33	1.56	7.50	0.88	CO 1			
				Min V _y	-60.92	2.36	-35.29	2.01	6.67	0.54	CO 12			
				Max V _z	-61.93	4.48	-33.59	1.43	6.31	0.75	CO 9			
				Min V _z	-67.80	3.32	-41.40	2.13	7.83	0.66	CO 6			
				Max M _T	-65.87	3.35	-41.03	▷	2.14	7.86	0.67	CO 8		
				Min M _T	-61.93	4.48	-33.59	▷	1.43	6.31	0.75	CO 9		
				Max M _y	-65.87	3.35	-41.03	▷	2.14	7.86	0.67	CO 8		
				Min M _y	-61.93	4.48	-33.59	▷	1.43	6.31	0.75	CO 9		
				Max M _z	-66.88	5.46	-39.33	1.56	7.50	▷	0.88	CO 1		
				Min M _z	-60.92	2.36	-35.29	2.01	6.67	▷	0.54	CO 12		
				Max N	4.97	7.63	17.52	▷	-1.07	2.06	-0.98	CO 13		
				Min N	-1.77	7.39	15.56	▷	-1.37	1.07	-0.64	CO 6		
				Max V _y	1.87	7.91	18.03	▷	-1.30	1.73	-0.86	CO 5		
				Min V _y	1.33	7.11	15.05	▷	-1.15	1.41	-0.76	CO 14		
				Max V _z	4.42	7.77	18.63	▷	-1.19	2.08	-0.92	CO 9		
				Min V _z	-1.22	7.23	14.49	▷	-1.26	1.06	-0.69	CO 8		
				Max M _T	4.97	7.63	17.52	▷	-1.07	2.06	-0.98	CO 13		
				Min M _T	-1.77	7.39	15.56	▷	-1.37	1.07	-0.64	CO 6		
				Max M _y	4.42	7.77	18.63	▷	-1.19	2.08	-0.92	CO 9		
				Min M _y	-1.22	7.23	14.49	▷	-1.26	1.06	-0.69	CO 8		
				Max M _z	-1.77	7.37	15.60	▷	-1.37	1.08	-0.63	CO 4		
	Min M _z	4.97	7.63	17.52	▷	-1.07	2.06	-0.98	CO 13					
	RC2	50	0.000	Max N	-41.28	1.72	-25.19	1.40	4.82	0.38	CO 28			
				Min N	-49.12	3.79	-29.44	1.14	5.55	0.61	CO 19			
				Max V _y	-46.98	3.83	-28.52	1.10	5.41	0.62	CO 15			
				Min V _y	-42.71	1.69	-25.47	1.40	4.79	0.38	CO 26			
				Max V _z	-43.31	3.11	-24.27	1.00	4.53	0.52	CO 23			
				Min V _z	-47.80	2.40	-30.00	1.49	5.64	0.47	CO 20			
				Max M _T	-46.37	2.42	-29.72	▷	1.49	5.67	0.47	CO 22		
				Min M _T	-43.31	3.11	-24.27	▷	1.00	4.53	0.52	CO 23		
				Max M _y	-46.37	2.42	-29.72	▷	1.49	5.67	0.47	CO 22		
				Min M _y	-43.31	3.11	-24.27	▷	1.00	4.53	0.52	CO 23		
				Max M _z	-46.98	3.83	-28.52	1.10	5.41	▷	0.62	CO 15		
				Min M _z	-42.71	1.69	-25.47	1.40	4.79	▷	0.38	CO 26		
				2	5.640	Max N	3.52	5.35	12.58	-0.76	1.48	-0.68	CO 27	
						Min N	-1.20	5.20	11.30	-0.98	0.79	-0.44	CO 20	
						Max V _y	1.23	5.55	12.95	-0.93	1.23	-0.59	CO 19	
						Min V _y	1.09	5.00	10.93	-0.81	1.04	-0.53	CO 28	
						Max V _z	3.12	5.45	13.40	-0.84	1.49	-0.64	CO 23	
						Min V _z	-0.79	5.09	10.51	-0.89	0.79	-0.48	CO 22	
						Max M _T	3.52	5.35	12.58	▷	-0.76	1.48	-0.68	CO 27
						Min M _T	-1.20	5.20	11.30	▷	-0.98	0.79	-0.44	CO 20
						Max M _y	3.12	5.45	13.40	▷	-0.84	1.49	-0.64	CO 23
						Min M _y	-0.79	5.09	10.51	▷	-0.89	0.79	-0.48	CO 22
						Max M _z	-1.20	5.19	11.33	-0.98	0.80	▷	-0.44	CO 18
Min M _z						3.52	5.35	12.58	-0.76	1.48	▷	-0.68	CO 27	
RC6	50	0.000	Max N	30.81	3.29	-49.81	0.62	9.44	0.45	LC 1-4				
			Min N	-89.62	1.05	0.41	0.84	-0.51	0.22	LC 1-5				
			Max V _y	-33.26	37.13	-26.59	-7.70	5.12	3.82	LC 1-5				
			Min V _y	-25.54	-32.79	-22.81	9.17	3.80	-3.15	LC 1-4				
			Max V _z	-83.05	-0.69	2.09	0.98	-0.92	0.01	LC 1-4				
			Min V _z	24.24	5.02	-51.49	0.49	9.84	0.67	LC 1-5				
			Max M _T	-30.84	-32.21	-25.03	9.33	4.30	-3.04	LC 1-5				
			Min M _T	-27.97	36.54	-24.37	▷	-7.87	4.62	3.72	LC 1-4			
			Max M _y	24.07	6.39	-51.47	▷	0.15	9.84	0.80	LC 1-5			
			Min M _y	-82.88	-2.05	2.07	1.32	-0.92	-0.13	LC 1-4				
			Max M _z	-33.36	37.07	-26.55	-7.67	5.11	▷	3.83	LC 1-5			
			Min M _z	-25.45	-32.74	-22.85	9.14	3.81	▷	-3.16	LC 1-4			
			2	5.640	Max N	89.34	7.29	61.64	0.83	13.60	-2.74	LC 1-4		
					Min N	-90.17	-1.22	-42.77	-2.14	-12.10	2.33	LC 1-5		
					Max V _y	3.72	26.74	27.47	-3.18	4.00	-3.61	LC 1-5		
					Min V _y	-4.55	-20.67	-8.60	1.87	-2.50	3.20	LC 1-4		
					Max V _z	85.12	13.94	63.89	-0.01	13.73	-3.57	LC 1-5		
					Min V _z	-85.95	-7.87	-45.02	-1.30	-12.23	3.16	LC 1-4		
					Max M _T	37.15	-16.68	17.04	▷	2.33	3.69	1.74	LC 1-4	
					Min M _T	-37.98	22.75	1.83	-3.65	-2.19	-2.15	LC 1-5		
					Max M _y	87.43	11.63	63.46	▷	0.31	13.83	-3.31	LC 1-4	
					Min M _y	-88.26	-5.56	-44.59	▷	-1.62	-12.33	2.90	LC 1-5	
					Max M _z	-73.97	-12.64	-41.58	-0.53	-11.15	▷	3.59	LC 1-4	
					Min M _z	73.14	18.71	60.45	-0.78	12.64	▷	-3.99	LC 1-5	
RC1	20	0.000	Max N	64.88	4.04	23.97	-0.42	-64.70	1.91	CO 7				
			Min N	48.57	2.70	31.23	0.57	-60.53	1.05	CO 10				
			Max V _y	62.57	4.12	25.03	-0.45	-63.10	1.91	CO 1				
			Min V _y	50.88	2.61	30.16	0.58	-62.14	1.05	CO 12				
			Max V _z	57.09	3.07	33.95	0.55	-67.94	1.26	CO 4				
			Min V _z	56.36	3.66	21.25	-0.41	-57.30	1.70	CO 13				
			Max M _T	50.88	2.61	30.16	▷	0.58	-62.14	1.05	CO 12			
			Min M _T	62.57	4.12	25.03	▷	-0.45	-63.10	1.91	CO 1			
			Max M _y	56.36	3.66	21.25	-0.41	-57.30	1.70	CO 13				
			Min M _y	59.40	2.99	32.88	▷	0.57	-69.54	1.26	CO 6			
			Max M _z	64.88	4.04	23.97	-0.42	-64.70	▷	1.91	CO 7			
			Min M _z	48.57	2.70	31.23	0.57	-60.53	▷	1.05	CO 10			
			17	2.700	Max N	-55.88	8.84	-25.84	1.70	-28.52	0.48	CO 10		
					Min N	-75.91	8.02	-22.40	1.62	-31.48	0.53	CO 7		
					Max V _y	-63.07	10.73	-27.96	2.01	-30.74	0.42	CO 9		
					Min V _y	-63.07	10.73	-27.96	2.01	-30.74	0.42	CO 9		
					Max V _z	-63.07	10.73	-27.96	2.01	-30.74	0.42	CO 9		
					Min V _z	-63.07	10.73	-27.96	2.01	-30.74	0.42	CO 9		
					Max M _T	-63.07	10.73	-27.96	2.01	-30.74	0.42	CO 9		
					Min M _T	-63.07	10.73	-27.96	2.01	-30.74	0.42	CO 9		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
59	RC1			Min V _y	-68.72	6.13	-20.27	1.30	-29.26	0.59	CO 8
				Max V _z	-58.35	7.70	-17.33	1.50	-25.05	0.49	CO 14
				Min V _z	-73.45	9.16	-30.90	1.81	-34.94	0.52	CO 3
				Max M _T	-63.07	10.73	-27.96	2.01	-30.74	0.42	CO 9
				Min M _T	-68.72	6.13	-20.27	1.30	-29.26	0.59	CO 8
				Max M _y	-58.35	7.70	-17.33	1.50	-25.05	0.49	CO 14
				Min M _y	-75.49	9.12	-30.50	1.80	-35.01	0.52	CO 5
				Max M _z	-68.72	6.13	-20.27	1.30	-29.26	0.59	CO 8
				Min M _z	-63.07	10.73	-27.96	2.01	-30.74	0.42	CO 9
		20	0.000	Max N	46.28	2.78	16.74	-0.28	-45.59	1.33	CO 21
				Min N	34.35	1.86	21.93	0.39	-42.31	0.74	CO 24
				Max V _y	44.57	2.85	17.53	-0.30	-44.40	1.33	CO 15
				Min V _y	36.05	1.79	21.14	0.40	-43.50	0.74	CO 26
				Max V _z	40.66	2.13	23.94	0.37	-47.79	0.89	CO 18
				Min V _z	39.97	2.50	14.73	-0.27	-40.11	1.17	CO 27
				Max M _T	36.05	1.79	21.14	0.40	-43.50	0.74	CO 26
				Min M _T	44.57	2.85	17.53	-0.30	-44.40	1.33	CO 15
				Max M _y	39.97	2.50	14.73	-0.27	-40.11	1.17	CO 27
				Min M _y	42.36	2.07	23.15	0.39	-48.98	0.89	CO 20
				Max M _z	46.28	2.78	16.74	-0.28	-45.59	1.33	CO 21
		17	2.700	Min M _z	34.35	1.86	21.93	0.39	-42.31	0.74	CO 24
				Max N	-39.47	6.00	-18.71	1.16	-20.39	0.34	CO 24
				Min N	-53.77	5.25	-16.00	1.08	-22.42	0.38	CO 21
				Max V _y	-44.26	7.25	-20.12	1.37	-21.87	0.30	CO 23
				Min V _y	-48.98	4.00	-14.58	0.87	-20.94	0.42	CO 22
				Max V _z	-41.30	5.15	-12.41	1.02	-17.83	0.35	CO 28
				Min V _z	-51.95	6.10	-22.30	1.22	-24.98	0.38	CO 17
				Max M _T	-44.26	7.25	-20.12	1.37	-21.87	0.30	CO 23
				Min M _T	-48.98	4.00	-14.58	0.87	-20.94	0.42	CO 22
				Max M _y	-41.30	5.15	-12.41	1.02	-17.83	0.35	CO 28
				Min M _y	-53.46	6.06	-22.00	1.22	-25.03	0.38	CO 19
				Max M _z	-48.98	4.00	-14.58	0.87	-20.94	0.42	CO 22
	RC6	20	0.000	Min M _z	-44.26	7.25	-20.12	1.37	-21.87	0.30	CO 23
				Max N	79.18	0.20	-23.72	-0.07	8.56	1.24	LC 1-5
				Min N	-19.36	1.71	51.23	0.31	-67.61	0.00	LC 1-4
				Max V _y	26.48	25.56	16.79	-8.20	-34.88	6.81	LC 1-5
				Min V _y	33.33	-23.65	10.72	8.45	-24.18	-5.57	LC 1-4
				Max V _z	-14.59	1.17	54.14	0.59	-74.08	-0.05	LC 1-5
				Min V _z	74.40	0.74	-26.63	-0.35	15.03	1.29	LC 1-4
				Max M _T	31.92	-23.43	11.89	8.52	-25.43	-5.65	LC 1-4
				Min M _T	27.89	25.34	15.62	-8.28	-33.63	6.89	LC 1-5
				Max M _y	74.43	0.60	-26.63	-0.30	15.03	1.26	LC 1-4
				Min M _y	-14.62	1.31	54.14	0.55	-74.08	-0.02	LC 1-5
				Max M _z	29.19	25.23	14.55	-8.27	-32.49	6.90	LC 1-5
		17	2.700	Min M _z	30.62	-23.32	12.96	8.51	-26.56	-5.66	LC 1-4
				Max N	59.63	-18.93	13.29	-2.53	12.49	0.75	LC 1-4
				Min N	-128.89	18.98	-48.16	2.91	-48.64	-0.13	LC 1-5
				Max V _y	-37.17	229.52	-17.47	35.97	-18.35	-5.10	LC 1-5
				Min V _y	-32.09	-229.47	-17.40	-35.59	-17.79	5.73	LC 1-4
				Max V _z	59.60	-17.00	13.30	-2.23	12.50	0.70	LC 1-4
				Min V _z	-128.86	17.05	-48.17	2.61	-48.64	-0.08	LC 1-5
				Max M _T	-36.89	229.51	-17.38	35.97	-18.26	-5.10	LC 1-5
				Min M _T	-32.37	-229.46	-17.49	-35.59	-17.89	5.72	LC 1-4
				Max M _y	59.60	-16.30	13.30	-2.12	12.50	0.69	LC 1-4
				Min M _y	-128.86	16.35	-48.17	2.50	-48.64	-0.06	LC 1-5
				Max M _z	-38.56	-228.53	-18.91	-35.39	-20.12	5.81	LC 1-5
60	RC1	48	0.000	Min M _z	-30.70	228.59	-15.96	35.77	-16.02	-5.18	LC 1-4
				Max N	-66.76	-9.07	113.90	-26.40	-102.53	-6.02	CO 9
				Min N	-81.97	-12.00	136.72	-30.41	-122.93	-7.72	CO 8
				Max V _y	-66.76	-9.07	113.90	-26.40	-102.53	-6.02	CO 9
				Min V _y	-81.97	-12.00	136.72	-30.41	-122.93	-7.72	CO 8
				Max V _z	-81.81	-11.81	136.76	-30.36	-122.52	-7.84	CO 6
				Min V _z	-66.76	-9.07	113.90	-26.40	-102.53	-6.02	CO 9
				Max M _T	-69.30	-9.51	114.39	-26.31	-103.11	-6.19	CO 10
				Min M _T	-79.43	-11.56	136.22	-30.50	-122.34	-7.55	CO 7
				Max M _y	-66.76	-9.07	113.90	-26.40	-102.53	-6.02	CO 9
				Min M _y	-81.97	-12.00	136.72	-30.41	-122.93	-7.72	CO 8
				Max M _z	-66.76	-9.07	113.90	-26.40	-102.53	-6.02	CO 9
		41	4.910	Min M _z	-81.81	-11.81	136.76	-30.36	-122.52	-7.84	CO 6
				Max N	-62.61	-30.22	-95.74	10.65	-79.86	4.88	CO 10
				Min N	-76.42	-35.05	-114.53	12.52	-94.58	5.71	CO 5
				Max V _y	-62.61	-30.22	-95.74	10.65	-79.86	4.88	CO 10
				Min V _y	-76.42	-35.05	-114.53	12.52	-94.58	5.71	CO 5
				Max V _z	-62.61	-30.22	-95.74	10.65	-79.86	4.88	CO 10
				Min V _z	-76.42	-35.05	-114.53	12.52	-94.58	5.71	CO 5
				Max M _T	-76.30	-35.03	-114.50	12.53	-93.78	5.71	CO 7
				Min M _T	-62.61	-30.22	-95.74	10.65	-79.86	4.88	CO 10
				Max M _y	-62.61	-30.22	-95.74	10.65	-79.86	4.88	CO 10
				Min M _y	-76.42	-35.05	-114.53	12.52	-94.58	5.71	CO 5
				Max M _z	-76.30	-35.03	-114.50	12.53	-93.78	5.71	CO 7
	RC2	48	0.000	Min M _z	-62.61	-30.22	-95.74	10.65	-79.86	4.88	CO 10
				Max N	-47.00	-6.34	80.07	-18.47	-71.96	-4.31	CO 23
				Min N	-58.08	-8.47	96.93	-21.45	-87.02	-5.55	CO 22
				Max V _y	-47.00	-6.34	80.07	-18.47	-71.96	-4.31	CO 23
				Min V _y	-58.08	-8.47	96.93	-21.45	-87.02	-5.55	CO 22
				Max V _z	-57.96	-8.33	96.97	-21.41	-86.72	-5.64	CO 20
				Min V _z	-47.00	-6.34	80.07	-18.47	-71.96	-4.31	CO 23
				Max M _T	-48.69	-6.63	80.39	-18.41	-72.35	-4.42	CO 24
				Min M _T	-56.39	-8.18	96.61	-21.51	-86.63	-5.44	CO 21
				Max M _y	-47.00	-6.34	80.07	-18.47	-71.96	-4.31	CO 23
				Min M _y	-58.08	-8.47	96.93	-21.45	-87.02	-5.55	CO 22
				Max M _z	-47.00	-6.34	80.07	-18.47	-71.96	-4.31	CO 23



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases		
				N	V _y	V _z	M _T	M _y	M _z			
60	RC2	41	4.910	Min M _z	-57.96	-8.33	96.97	-21.41	-86.72	-5.64	CO 20	
				Max N	-43.79	-21.22	-67.13	7.47	-55.94	3.42	CO 24	
				Min N	-53.88	-24.80	-81.01	8.84	-66.80	4.03	CO 19	
				Max V _y	-43.79	-21.22	-67.13	7.47	-55.94	3.42	CO 24	
				Min V _y	-53.88	-24.80	-81.01	8.84	-66.80	4.03	CO 19	
				Max V _z	-43.79	-21.22	-67.13	7.47	-55.94	3.42	CO 24	
				Min V _z	-53.88	-24.80	-81.01	8.84	-66.80	4.03	CO 19	
				Max M _T	-53.80	-24.78	-80.98	8.85	-66.20	4.03	CO 21	
				Min M _T	-43.79	-21.22	-67.13	7.47	-55.94	3.42	CO 24	
				Max M _y	-43.79	-21.22	-67.13	7.47	-55.94	3.42	CO 24	
				Min M _y	-53.88	-24.80	-81.01	8.84	-66.80	4.03	CO 19	
				Max M _z	-53.80	-24.78	-80.98	8.85	-66.20	4.03	CO 21	
		48	0.000	Min M _z	-43.79	-21.22	-67.13	7.47	-55.94	3.42	CO 24	
				Max N	5.03	-0.22	49.91	-11.29	-37.57	-2.64	LC 1-4	
				Min N	-79.99	-10.10	77.42	-15.00	-74.06	-6.07	LC 1-5	
				Max V _y	-4.99	1.67	50.11	-12.95	-41.40	-1.21	LC 1-4	
				Min V _y	-69.97	-11.99	77.22	-13.34	-70.23	-7.50	LC 1-5	
				Max V _z	-77.38	-11.23	77.77	-14.19	-72.89	-6.87	LC 1-5	
				Min V _z	2.43	0.91	49.56	-12.10	-38.74	-1.84	LC 1-4	
				Max M _T	-23.11	-8.84	58.95	-8.63	-45.66	-7.12	LC 1-4	
				Min M _T	-51.85	-1.48	68.38	-17.66	-65.97	-1.59	LC 1-5	
				Max M _y	4.95	-0.36	50.01	-11.20	-37.54	-2.74	LC 1-4	
				Min M _y	-79.91	-9.96	77.32	-15.09	-74.09	-5.96	LC 1-5	
				Max M _z	-36.44	0.41	55.04	-14.62	-52.34	-0.90	LC 1-4	
	41	4.910	Min M _z	-38.51	-10.73	72.29	-11.68	-59.29	-7.81	LC 1-5		
			Max N	9.89	-16.56	-35.99	4.78	-21.56	2.40	LC 1-4		
			Min N	-76.08	-14.92	-67.43	6.21	-62.16	2.55	LC 1-5		
			Max V _y	-45.64	-6.27	-51.89	-0.41	-45.33	-1.14	LC 1-4		
			Min V _y	-20.55	-25.20	-51.53	11.40	-38.39	6.09	LC 1-5		
			Max V _z	9.83	-16.75	-35.97	4.94	-21.55	2.50	LC 1-4		
			Min V _z	-76.03	-14.73	-67.44	6.06	-62.17	2.45	LC 1-5		
			Max M _T	-30.97	-24.84	-54.26	11.74	-42.51	6.23	LC 1-5		
			Min M _T	-35.22	-6.63	49.16	-0.75	-41.21	-1.28	LC 1-4		
			Max M _y	9.85	-16.72	-35.98	4.92	-21.54	2.48	LC 1-4		
			Min M _y	-76.04	-14.75	-67.44	6.08	-62.18	2.46	LC 1-5		
			Max M _z	-29.28	-24.91	-53.81	11.73	-41.82	6.24	LC 1-5		
	61	RC1	41	0.000	Min M _z	-36.92	-6.56	-49.61	-0.74	-41.90	-1.29	LC 1-4
					Max N	-56.31	18.91	63.81	-5.50	-58.74	5.01	CO 13
					Min N	-67.57	20.87	74.30	-6.11	-68.12	5.58	CO 6
					Max V _y	-62.21	21.44	71.52	-6.22	-65.96	5.67	CO 7
					Min V _y	-59.85	18.13	64.24	-5.32	-58.76	4.84	CO 10
					Max V _z	-67.57	20.87	74.30	-6.11	-68.12	5.58	CO 6
					Min V _z	-56.53	18.67	62.72	-5.42	-57.67	4.93	CO 9
					Max M _T	-59.85	18.13	64.24	-5.32	-58.76	4.84	CO 10
					Min M _T	-62.21	21.44	71.52	-6.22	-65.96	5.67	CO 7
					Max M _y	-56.53	18.67	62.72	-5.42	-57.67	4.93	CO 9
					Min M _y	-67.57	20.87	74.30	-6.11	-68.12	5.58	CO 6
					Max M _z	-62.21	21.44	71.52	-6.22	-65.96	5.67	CO 7
35		2.600	Min M _z	-59.85	18.13	64.24	-5.32	-58.76	4.84	CO 10		
			Max N	11.51	-11.46	-29.42	5.88	-1.20	2.07	CO 10		
			Min N	-1.45	-13.36	-40.64	6.84	-7.66	2.43	CO 7		
			Max V _y	11.51	-11.46	-29.42	5.88	-1.20	2.07	CO 10		
			Min V _y	2.42	-13.43	-39.49	6.86	-5.71	2.45	CO 5		
			Max V _z	11.51	-11.46	-29.42	5.88	-1.20	2.07	CO 10		
			Min V _z	-1.45	-13.36	-40.64	6.84	-7.66	2.43	CO 7		
			Max M _T	2.42	-13.43	-39.49	6.86	-5.71	2.45	CO 5		
			Min M _T	11.51	-11.46	-29.42	5.88	-1.20	2.07	CO 10		
			Max M _y	11.51	-11.46	-29.42	5.88	-1.20	2.07	CO 10		
			Min M _y	-1.45	-13.36	-40.64	6.84	-7.66	2.43	CO 7		
			Max M _z	2.42	-13.43	-39.49	6.86	-5.71	2.45	CO 5		
RC2	41	0.000	Min M _z	11.51	-11.46	-29.42	5.88	-1.20	2.07	CO 10		
			Max N	-39.29	13.26	44.81	-3.86	-41.17	3.51	CO 27		
			Min N	-47.38	14.75	52.46	-4.32	-48.04	3.95	CO 20		
			Max V _y	-43.66	15.13	50.52	-4.40	-46.52	4.01	CO 21		
			Min V _y	-41.67	12.72	45.01	-3.73	-41.11	3.40	CO 24		
			Max V _z	-47.38	14.75	52.46	-4.32	-48.04	3.95	CO 20		
			Min V _z	-39.46	13.08	44.00	-3.80	-40.38	3.45	CO 23		
			Max M _T	-41.67	12.72	45.01	-3.73	-41.11	3.40	CO 24		
			Min M _T	-43.66	15.13	50.52	-4.40	-46.52	4.01	CO 21		
			Max M _y	-39.46	13.08	44.00	-3.80	-40.38	3.45	CO 23		
			Min M _y	-47.38	14.75	52.46	-4.32	-48.04	3.95	CO 20		
			Max M _z	-43.66	15.13	50.52	-4.40	-46.52	4.01	CO 21		
	35	2.600	Min M _z	-41.67	12.72	45.01	-3.73	-41.11	3.40	CO 24		
			Max N	8.06	-8.05	-20.72	4.13	-0.80	1.45	CO 24		
			Min N	-1.19	-9.43	-28.88	4.83	-5.47	1.71	CO 21		
			Max V _y	8.06	-8.05	-20.72	4.13	-0.80	1.45	CO 24		
			Min V _y	1.67	-9.48	-28.03	4.84	-4.03	1.73	CO 19		
			Max V _z	8.06	-8.05	-20.72	4.13	-0.80	1.45	CO 24		
			Min V _z	-1.19	-9.43	-28.88	4.83	-5.47	1.71	CO 21		
			Max M _T	1.67	-9.48	-28.03	4.84	-4.03	1.73	CO 19		
			Min M _T	8.06	-8.05	-20.72	4.13	-0.80	1.45	CO 24		
			Max M _y	8.06	-8.05	-20.72	4.13	-0.80	1.45	CO 24		
			Min M _y	-1.19	-9.43	-28.88	4.83	-5.47	1.71	CO 21		
			Max M _z	1.67	-9.48	-28.03	4.84	-4.03	1.73	CO 19		
RC6	41	0.000	Min M _z	8.06	-8.05	-20.72	4.13	-0.80	1.45	CO 24		
			Max N	17.27	8.38	13.61	-1.99	-13.76	1.95	LC 1-4		
			Min N	-70.78	10.02	51.64	-3.42	-45.20	3.00	LC 1-5		
			Max V _y	-41.24	24.80	39.58	-6.55	-35.34	5.54	LC 1-5		
			Min V _y	-12.27	-6.40	25.67	1.15	-23.61	-0.59	LC 1-4		
			Max V _z	-70.77	9.88	51.64	-3.38	-45.20	2.97	LC 1-5		
			Min V _z	17.26	8.52	13.61	-2.03	-13.75	1.97	LC 1-4		
			Max M _T	-9.51	-6.29	24.60	1.17	-22.75	-0.61	LC 1-4		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]				Moments [kNm]			Corresponding Load Cases						
					N	V _y	V _z		M _T	M _y	M _z							
61	RC6	35	2.600	Min M _T	-44.00	24.70	40.65	▷	-6.58	-36.20	5.55	LC 1-5						
				Max M _y	17.25	8.58	13.61	▷	-2.04	-13.75	1.98	LC 1-4						
				Min M _y	-70.76	9.82	51.64	▷	-3.37	-45.20	2.96	LC 1-5						
				Max M _z	-43.29	24.72	40.38	▷	-6.58	-35.98	5.55	LC 1-5						
				Min M _z	-10.22	-6.31	24.87	▷	1.17	-22.97	-0.61	LC 1-4						
				Max N	21.96	-7.80	-9.41	▷	3.57	1.88	1.29	LC 1-5						
				Min N	-20.43	-3.84	-27.85	▷	2.38	-6.90	0.77	LC 1-4						
				Max V _y	-7.32	7.78	-20.09	▷	-2.51	-3.57	-3.00	LC 1-4						
				Min V _y	8.86	-19.41	-17.17	▷	8.46	-1.45	5.07	LC 1-5						
				Max V _z	21.87	-6.35	-6.03	▷	2.85	2.53	1.00	LC 1-4						
				Min V _z	-20.33	-5.28	-31.23	▷	3.10	-7.55	1.07	LC 1-5						
				Max M _T	8.28	-19.39	-17.47	▷	8.47	-1.59	5.08	LC 1-5						
				Min M _T	-6.75	7.75	-19.79	▷	-2.52	-3.43	-3.01	LC 1-4						
				Max M _y	21.86	-6.38	-6.04	▷	2.86	2.54	1.01	LC 1-4						
				Min M _y	-20.33	-5.25	-31.22	▷	3.09	-7.56	1.06	LC 1-5						
				Max M _z	8.11	-19.38	-17.56	▷	8.47	-1.63	5.08	LC 1-5						
				Min M _z	-6.57	7.75	-19.70	▷	-2.52	-3.40	-3.01	LC 1-4						
				Max N	14.22	7.51	25.49	▷	-0.18	-0.68	2.02	CO 9						
				Min N	5.77	7.84	32.47	▷	0.14	-5.90	2.12	CO 8						
				Max V _y	12.91	8.32	29.53	▷	-0.05	-2.60	2.24	CO 5						
				Min V _y	6.27	7.06	28.11	▷	0.03	-4.42	1.92	CO 14						
				Max V _z	6.58	7.81	32.79	▷	0.12	-5.45	2.10	CO 2						
				Min V _z	13.41	7.54	25.16	▷	-0.16	-1.13	2.04	CO 11						
				Max M _T	5.77	7.84	32.47	▷	0.14	-5.90	2.12	CO 8						
				Min M _T	14.22	7.51	25.49	▷	-0.18	-0.68	2.02	CO 9						
				62	RC1	35	0.000	Max M _y	14.22	7.51	25.49	-0.18	-0.68	2.02	CO 9			
Min M _y	5.77	7.84	32.47					▷	0.14	-5.90	2.12	CO 8						
Max M _z	12.91	8.32	29.53					-0.05	-2.60	2.24	CO 5							
Min M _z	10.76	7.09	27.14					-0.01	-2.05	1.92	CO 10							
Max N	-39.74	0.35	-34.47					1.32	-34.53	0.84	CO 14							
Min N	-48.20	0.36	-40.28					1.51	-40.41	0.98	CO 5							
Max V _y	-46.54	0.42	-39.64					1.53	-40.02	0.98	CO 6							
Min V _y	-45.56	0.29	-39.31					1.50	-38.80	0.97	CO 1							
Max V _z	-39.74	0.35	-34.47					1.32	-34.53	0.84	CO 14							
Min V _z	-47.30	0.34	-40.41					1.51	-40.25	0.97	CO 3							
Max M _T	-46.54	0.42	-39.64					1.53	-40.02	0.98	CO 6							
Min M _T	-41.40	0.29	-35.11					1.30	-34.92	0.85	CO 13							
Max M _y	-39.74	0.35	-34.47					1.32	-34.53	0.84	CO 14							
Min M _y	-48.20	0.36	-40.28					1.51	-40.41	0.98	CO 5							
Max M _z	-48.20	0.36	-40.28					1.51	-40.41	0.98	CO 5							
Min M _z	-40.59	0.39	-35.70					1.32	-35.82	0.84	CO 10							
RC2	35	0.000	Max N					10.27	5.25	17.74	-0.13	-0.34	1.41	CO 23				
			Min N					4.27	5.53	22.79	0.10	-4.10	1.50	CO 22				
			Max V _y					9.31	5.85	20.73	-0.03	-1.76	1.58	CO 19				
			Min V _y					4.64	4.95	19.56	0.02	-3.01	1.35	CO 28				
			Max V _z					4.87	5.51	23.03	0.09	-3.77	1.48	CO 16				
			Min V _z					9.67	5.27	17.50	-0.11	-0.67	1.43	CO 25				
			Max M _T					4.27	5.53	22.79	0.10	-4.10	1.50	CO 22				
			Min M _T					10.27	5.25	17.74	-0.13	-0.34	1.41	CO 23				
			Max M _y					10.27	5.25	17.74	-0.13	-0.34	1.41	CO 23				
			Min M _y					4.27	5.53	22.79	0.10	-4.10	1.50	CO 22				
			Max M _z					9.31	5.85	20.73	-0.03	-1.76	1.58	CO 19				
			Min M _z					7.97	4.97	18.85	-0.01	-1.25	1.35	CO 24				
			Max N					-28.21	0.25	-24.35	0.93	-24.39	0.59	CO 28				
			Min N					-34.36	0.27	-28.60	1.07	-28.71	0.69	CO 19				
			Max V _y					-33.25	0.31	-28.18	1.08	-28.45	0.69	CO 20				
			Min V _y					-32.40	0.22	-27.88	1.06	-27.52	0.69	CO 15				
			Max V _z					-28.21	0.25	-24.35	0.93	-24.39	0.59	CO 28				
			Min V _z					-33.69	0.26	-28.70	1.07	-28.59	0.69	CO 17				
			Max M _T					-33.25	0.31	-28.18	1.08	-28.45	0.69	CO 20				
			Min M _T					-29.32	0.22	-24.77	0.92	-24.64	0.59	CO 27				
			Max M _y					-28.21	0.25	-24.35	0.93	-24.39	0.59	CO 28				
			Min M _y					-34.36	0.27	-28.60	1.07	-28.71	0.69	CO 19				
			Max M _z					-34.36	0.27	-28.60	1.07	-28.71	0.69	CO 19				
			Min M _z					-28.84	0.29	-25.26	0.93	-25.34	0.59	CO 24				
			RC6					35	0.000	Max N	29.59	4.14	3.31	0.16	8.26	0.98	LC 1-5	
										Min N	-15.26	2.59	20.85	-0.03	-9.40	0.89	LC 1-4	
Max V _y	4.15	21.29								16.57	-5.41	-3.00	4.70	LC 1-5				
Min V _y	10.18	-14.56								7.58	5.55	1.85	-2.83	LC 1-4				
Max V _z	-14.67	3.94								24.01	-0.21	-9.94	1.21	LC 1-5				
Min V _z	29.00	2.79								0.15	0.35	8.80	0.65	LC 1-4				
Max M _T	11.11	-13.79								10.54	▷	5.56	1.48	-2.63	LC 1-5			
Min M _T	3.22	20.52								13.62	▷	-5.42	-2.62	4.50	LC 1-4			
Max M _y	29.03	2.98								0.15	▷	0.29	8.80	0.69	LC 1-4			
Min M _y	-14.70	3.76								24.00	▷	-0.15	-9.94	1.17	LC 1-5			
Max M _z	3.78	21.27								16.74	▷	-5.42	-3.14	4.70	LC 1-5			
Min M _z	10.55	-14.53								7.42	▷	5.55	2.00	-2.83	LC 1-4			
Max N	-8.36	-1.07								-12.68	▷	0.48	-13.50	0.32	LC 1-4			
Min N	-39.64	1.65								-25.54	▷	0.90	-25.13	0.55	LC 1-5			
Max V _y	-37.52	2.68								-23.99	▷	1.49	-24.11	0.77	LC 1-5			
Min V _y	-10.47	-2.10								-14.23	▷	-0.10	-14.52	0.10	LC 1-4			
Max V _z	-8.42	-1.01								-12.66	▷	0.51	-13.49	0.33	LC 1-4			
Min V _z	-39.57	1.59								-25.56	▷	0.88	-25.14	0.54	LC 1-5			
Max M _T	-33.41	2.46								-22.44	▷	1.55	-22.81	0.79	LC 1-5			
Min M _T	-14.58	-1.88								-15.78	▷	-0.16	-15.82	0.09	LC 1-4			
Max M _y	-8.39	-1.04								-12.67	▷	0.49	-13.49	0.32	LC 1-4			
Min M _y	-39.60	1.62								-25.56	▷	0.89	-25.14	0.55	LC 1-5			
Max M _z	-34.05	2.51								-22.68	▷	1.54	-23.01	0.79	LC 1-5			
Min M _z	-13.94	-1.92								-15.54	▷	-0.16	-15.62	0.09	LC 1-4			
63	RC1	9								0.000	Max N	-16.70	-61.77	22.28	10.11	-4.12	-16.72	CO 13
											Min N	-47.35	-69.72	33.88	12.42	-6.40	-19.37	CO 6
			Max V _y	-44.38	-60.04	31.70	10.69	-6.28	-16.55		CO 10							

4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z		
63	RC1	10	3.920	Min V _y	-19.66	-71.15	24.47	11.78	-4.24	-19.46	CO 7
				Max V _z	-47.35	-69.72	33.88	12.42	-6.40	-19.37	CO 6
				Min V _z	-16.70	-61.77	22.28	10.11	-4.12	-16.72	CO 13
				Max M _T	-47.35	-69.72	33.88	12.42	-6.40	-19.37	CO 6
				Min M _T	-16.70	-61.77	22.28	10.11	-4.12	-16.72	CO 13
				Max M _y	-16.70	-61.77	22.28	10.11	-4.12	-16.72	CO 13
				Min M _y	-47.34	-69.42	33.88	12.37	-6.40	-19.29	CO 4
				Max M _z	-33.85	-60.39	23.24	10.55	-5.10	-16.46	CO 14
				Min M _z	-30.19	-71.10	32.93	11.97	-5.43	-19.63	CO 5
				Max N	-98.90	67.97	-50.90	-14.18	-14.15	-13.66	CO 13
				Min N	-140.46	78.26	-67.25	-16.35	-18.35	-15.61	CO 4
				Max V _y	-115.07	78.65	-56.07	-16.30	-15.15	-16.00	CO 8
				Min V _y	-124.28	67.57	-62.07	-14.23	-17.35	-13.27	CO 9
				Max V _z	-100.37	68.25	-48.82	-14.20	-12.99	-13.95	CO 14
				Min V _z	-138.87	78.28	-69.37	-16.39	-19.52	-15.38	CO 5
				Max M _T	-98.90	67.97	-50.90	-14.18	-14.15	-13.66	CO 13
				Min M _T	-140.35	78.56	-67.29	-16.42	-18.36	-15.67	CO 6
				Max M _y	-100.37	68.25	-48.82	-14.20	-12.99	-13.95	CO 14
				Min M _y	-138.87	78.28	-69.37	-16.39	-19.52	-15.38	CO 5
				Max M _z	-124.28	67.57	-62.07	-14.23	-17.35	-13.27	CO 9
				Min M _z	-115.07	78.65	-56.07	-16.30	-15.15	-16.00	CO 8
	RC2	9	0.000	Max N	-12.64	-43.15	15.82	7.09	-2.96	-11.69	CO 27
				Min N	-34.08	-49.13	24.34	8.77	-4.58	-13.67	CO 20
				Max V _y	-31.87	-41.97	22.72	7.49	-4.49	-11.59	CO 24
				Min V _y	-14.84	-50.10	17.44	8.33	-3.05	-13.71	CO 21
				Max V _z	-34.08	-49.13	24.34	8.77	-4.58	-13.67	CO 20
				Min V _z	-12.64	-43.15	15.82	7.09	-2.96	-11.69	CO 27
				Max M _T	-34.08	-49.13	24.34	8.77	-4.58	-13.67	CO 20
				Min M _T	-12.64	-43.15	15.82	7.09	-2.96	-11.69	CO 27
				Max M _y	-12.64	-43.15	15.82	7.09	-2.96	-11.69	CO 27
				Min M _y	-34.07	-48.92	24.34	8.73	-4.58	-13.61	CO 18
				Max M _z	-24.07	-42.23	16.45	7.39	-3.61	-11.52	CO 28
				Min M _z	-22.64	-50.05	23.71	8.47	-3.93	-13.84	CO 19
		10	3.920	Max N	-69.36	47.74	-35.66	-9.98	-9.90	-9.61	CO 27
				Min N	-100.04	55.55	-47.92	-11.59	-13.10	-11.03	CO 18
				Max V _y	-81.24	55.65	-39.65	-11.55	-10.73	-11.33	CO 22
				Min V _y	-88.16	47.46	-43.94	-10.02	-12.27	-9.32	CO 23
				Max V _z	-70.35	47.93	-34.28	-10.00	-9.13	-9.80	CO 28
				Min V _z	-98.97	55.39	-49.34	-11.63	-13.88	-10.89	CO 19
				Max M _T	-69.36	47.74	-35.66	-9.98	-9.90	-9.61	CO 27
				Min M _T	-99.95	55.58	-47.96	-11.64	-13.10	-11.08	CO 20
				Max M _y	-70.35	47.93	-34.28	-10.00	-9.13	-9.80	CO 28
				Min M _y	-98.97	55.39	-49.34	-11.63	-13.88	-10.89	CO 19
				Max M _z	-88.16	47.46	-43.94	-10.02	-12.27	-9.32	CO 23
				Min M _z	-81.24	55.65	-39.65	-11.55	-10.73	-11.33	CO 22
	RC6	9	0.000	Max N	148.87	-20.44	-11.26	1.20	19.67	-7.76	LC 1-4
				Min N	-199.83	-39.68	48.00	9.79	-26.05	-9.29	LC 1-5
				Max V _y	65.96	-16.32	11.75	0.45	2.19	-2.78	LC 1-4
				Min V _y	-116.92	-43.80	25.00	10.53	-8.56	-14.27	LC 1-5
				Max V _z	-189.94	-37.03	49.42	8.75	-26.92	-7.70	LC 1-5
				Min V _z	138.98	-23.09	-12.67	2.23	20.55	-9.35	LC 1-4
				Max M _T	-124.21	-43.71	26.63	10.57	-9.82	-14.03	LC 1-5
				Min M _T	73.26	-16.41	10.12	0.41	3.44	-3.02	LC 1-4
				Max M _y	140.74	-22.80	-12.66	2.11	20.56	-9.19	LC 1-4
				Min M _y	-191.70	-37.32	49.40	8.87	-26.94	-7.86	LC 1-5
				Max M _z	-12.94	-18.19	26.15	1.79	-9.09	-2.02	LC 1-4
				Min M _z	-38.01	-41.93	10.60	9.19	2.72	-15.03	LC 1-5
		10	3.920	Max N	34.99	33.48	7.67	-7.07	14.13	-10.80	LC 1-4
				Min N	-174.53	37.29	-75.26	-8.25	-33.05	-3.15	LC 1-5
				Max V _y	-65.45	58.81	-32.30	-12.68	-10.47	-12.22	LC 1-5
				Min V _y	-74.09	11.96	-35.30	-2.64	-8.45	-1.73	LC 1-4
				Max V _z	34.90	33.65	7.70	-7.10	14.13	-10.84	LC 1-4
				Min V _z	-174.45	37.11	-75.30	-8.21	-33.05	-3.11	LC 1-5
				Max M _T	-68.34	12.00	-33.03	-2.63	-7.11	-1.98	LC 1-4
				Min M _T	-71.20	58.77	-34.57	-12.68	-11.81	-11.96	LC 1-5
				Max M _y	34.34	31.59	7.44	-6.65	14.27	-10.39	LC 1-4
				Min M _y	-173.88	39.18	-75.04	-8.66	-33.19	-3.56	LC 1-5
				Max M _z	-109.75	13.89	-49.19	-3.15	-17.01	-0.62	LC 1-4
				Min M _z	-29.79	56.88	-18.40	-12.17	-1.91	-13.33	LC 1-5
64	RC1	10	0.000	Max N	-123.37	-68.94	65.63	18.08	-21.16	-13.10	CO 13
				Min N	-180.13	-79.81	89.79	20.79	-29.09	-14.62	CO 4
				Max V _y	-153.32	-68.48	80.03	17.83	-25.44	-12.53	CO 9
				Min V _y	-150.17	-80.27	75.38	21.03	-24.81	-15.20	CO 8
				Max V _z	-180.03	-80.10	89.82	20.85	-29.11	-14.68	CO 6
				Min V _z	-123.37	-68.94	65.63	18.08	-21.16	-13.10	CO 13
				Max M _T	-150.17	-80.27	75.38	21.03	-24.81	-15.20	CO 8
				Min M _T	-153.32	-68.48	80.03	17.83	-25.44	-12.53	CO 9
				Max M _y	-123.37	-68.94	65.63	18.08	-21.16	-13.10	CO 13
				Min M _y	-180.03	-80.10	89.82	20.85	-29.11	-14.68	CO 6
				Max M _z	-153.32	-68.48	80.03	17.83	-25.44	-12.53	CO 9
				Min M _z	-150.17	-80.27	75.38	21.03	-24.81	-15.20	CO 8
		15	5.590	Max N	-119.55	69.68	-55.28	-11.74	-20.58	-15.25	CO 13
				Min N	-172.30	77.53	-75.52	-14.53	-26.82	-17.03	CO 6
				Max V _y	-171.23	81.77	-77.98	-13.88	-28.14	-17.60	CO 5
				Min V _y	-120.62	65.44	-52.82	-12.40	-19.27	-14.69	CO 14
				Max V _z	-120.62	65.44	-52.82	-12.40	-19.27	-14.69	CO 14
				Min V _z	-171.22	81.66	-78.02	-13.86	-28.15	-17.57	CO 3
				Max M _T	-119.55	69.68	-55.28	-11.74	-20.58	-15.25	CO 13
				Min M _T	-172.30	77.53	-75.52	-14.53	-26.82	-17.03	CO 6
				Max M _y	-120.62	65.44	-52.82	-12.40	-19.27	-14.69	CO 14
				Min M _y	-171.22	81.66	-78.02	-13.86	-28.15	-17.57	CO 3
				Max M _z	-150.83	66.29	-67.85	-12.53	-23.65	-14.48	CO 10



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
64	RC1 RC2	10	0.000	Min M _z	-141.01	80.81	-62.98	-13.73	-23.77	-17.78	CO 7
				Max N	-86.79	-48.42	46.14	12.71	-14.90	-9.20	CO 27
				Min N	-127.98	-56.43	63.93	14.70	-20.68	-10.33	CO 18
				Max V _y	-108.98	-48.09	56.81	12.53	-18.07	-8.78	CO 23
				Min V _y	-105.79	-56.76	53.26	14.88	-17.52	-10.76	CO 22
				Max V _z	-127.91	-56.64	63.95	14.75	-20.70	-10.38	CO 20
				Min V _z	-86.79	-48.42	46.14	12.71	-14.90	-9.20	CO 27
				Max M _T	-105.79	-56.76	53.26	14.88	-17.52	-10.76	CO 22
				Min M _T	-108.98	-48.09	56.81	12.53	-18.07	-8.78	CO 23
				Max M _y	-86.79	-48.42	46.14	12.71	-14.90	-9.20	CO 27
				Min M _y	-127.91	-56.64	63.95	14.75	-20.70	-10.38	CO 20
				Max M _z	-108.98	-48.09	56.81	12.53	-18.07	-8.78	CO 23
				Min M _z	-105.79	-56.76	53.26	14.88	-17.52	-10.76	CO 22
		15	5.590	Max N	-84.48	48.74	-38.95	-8.23	-14.47	-10.67	CO 27
				Min N	-123.48	54.87	-54.12	-10.25	-19.19	-12.03	CO 20
				Max V _y	-122.77	57.69	-55.77	-9.81	-20.07	-12.41	CO 19
				Min V _y	-85.20	45.92	-37.30	-8.67	-13.59	-10.30	CO 28
				Max V _z	-85.20	45.92	-37.30	-8.67	-13.59	-10.30	CO 28
				Min V _z	-122.76	57.61	-55.79	-9.80	-20.07	-12.38	CO 17
				Max M _T	-84.48	48.74	-38.95	-8.23	-14.47	-10.67	CO 27
				Min M _T	-123.48	54.87	-54.12	-10.25	-19.19	-12.03	CO 20
				Max M _y	-85.20	45.92	-37.30	-8.67	-13.59	-10.30	CO 28
				Min M _y	-122.76	57.61	-55.79	-9.80	-20.07	-12.38	CO 17
				Max M _z	-107.58	46.55	-48.44	-8.76	-16.84	-10.14	CO 24
				Min M _z	-100.38	56.98	-44.65	-9.70	-16.83	-12.54	CO 21
	RC6	10	0.000	Max N	12.08	-25.46	11.29	6.18	8.67	-7.77	LC 1-4
				Min N	-183.56	-46.05	77.02	12.63	-36.71	-5.23	LC 1-5
				Max V _y	-67.92	-10.57	37.03	3.03	-7.43	-1.67	LC 1-4
				Min V _y	-103.56	-60.93	51.28	15.78	-20.62	-11.33	LC 1-5
				Max V _z	-183.46	-46.19	77.05	12.66	-36.75	-5.26	LC 1-5
				Min V _z	11.98	-25.31	11.25	6.15	8.71	-7.74	LC 1-4
				Max M _T	-105.75	-60.90	51.97	15.79	-21.11	-11.25	LC 1-5
				Min M _T	-65.73	-10.60	36.34	3.02	-6.94	-1.75	LC 1-4
				Max M _y	11.20	-22.99	11.48	5.57	8.86	-7.22	LC 1-4
				Min M _y	-182.68	-48.51	76.82	13.23	-36.91	-5.77	LC 1-5
				Max M _z	-112.72	-14.90	51.64	4.42	-18.29	-0.91	LC 1-4
				Min M _z	-58.76	-56.61	36.66	14.39	-9.76	-12.09	LC 1-5
		15	5.590	Max N	90.02	25.69	-12.81	-2.99	10.25	-8.29	LC 1-4
				Min N	-274.67	45.74	-67.78	-9.56	-38.39	-7.01	LC 1-5
				Max V _y	-150.64	72.25	-37.74	-12.48	-9.81	-20.47	LC 1-5
				Min V _y	-34.01	-0.82	-42.84	-0.07	-18.34	5.17	LC 1-4
				Max V _z	71.98	37.64	-10.68	-5.01	12.38	-12.71	LC 1-4
				Min V _z	-256.63	33.79	-69.90	-7.53	-40.52	-2.60	LC 1-5
				Max M _T	6.97	0.25	-36.09	0.16	-11.96	3.83	LC 1-4
				Min M _T	-191.61	71.18	-44.49	-12.71	-16.18	-19.13	LC 1-5
				Max M _y	71.12	37.96	-10.69	-5.07	12.38	-12.82	LC 1-4
				Min M _y	-255.76	33.47	-69.90	-7.48	-40.53	-2.49	LC 1-5
				Max M _z	-69.74	0.05	-48.11	-0.53	-23.29	5.65	LC 1-4
				Min M _z	-114.91	71.38	-32.48	-12.01	-4.85	-20.95	LC 1-5
	RC1	14	0.000	Max N	-136.25	-60.90	44.94	7.92	-18.83	-10.10	CO 14
				Min N	-197.17	-65.79	62.84	9.89	-25.99	-10.11	CO 5
				Max V _y	-171.06	-56.35	56.34	8.49	-22.68	-8.61	CO 9
				Min V _y	-162.27	-70.25	51.45	9.31	-22.13	-11.59	CO 8
				Max V _z	-196.70	-69.34	65.81	9.42	-27.07	-10.66	CO 4
				Min V _z	-136.63	-57.26	41.98	8.38	-17.74	-9.54	CO 13
				Max M _T	-197.17	-65.79	62.84	9.89	-25.99	-10.11	CO 5
				Min M _T	-136.25	-60.90	44.94	7.92	-18.83	-10.10	CO 14
				Max M _y	-136.63	-57.26	41.98	8.38	-17.74	-9.54	CO 13
				Min M _y	-196.79	-69.43	65.80	9.43	-27.08	-10.68	CO 6
				Max M _z	-171.06	-56.35	56.34	8.49	-22.68	-8.61	CO 9
				Min M _z	-162.27	-70.25	51.45	9.31	-22.13	-11.59	CO 8
		18	5.640	Max N	-86.49	6.12	-18.94	-5.77	-15.29	-0.89	CO 14
				Min N	-148.16	8.45	-38.46	-7.43	-23.01	-1.24	CO 3
				Max V _y	-93.65	9.29	-22.35	-6.86	-17.18	-1.73	CO 2
				Min V _y	-141.00	5.28	-35.04	-6.34	-21.13	-0.40	CO 11
				Max V _z	-86.49	6.12	-18.94	-5.77	-15.29	-0.89	CO 14
				Min V _z	-148.16	8.45	-38.46	-7.43	-23.01	-1.24	CO 3
				Max M _T	-116.65	5.68	-33.92	-5.62	-20.26	-0.21	CO 10
				Min M _T	-118.00	8.90	-23.47	-7.58	-18.04	-1.92	CO 7
				Max M _y	-86.49	6.12	-18.94	-5.77	-15.29	-0.89	CO 14
				Min M _y	-147.91	8.40	-38.36	-7.45	-23.02	-1.24	CO 5
				Max M _z	-116.40	5.63	-33.83	-5.65	-20.26	-0.21	CO 12
				Min M _z	-118.25	8.94	-23.57	-7.56	-18.04	-1.92	CO 1
	RC2	14	0.000	Max N	-96.08	-42.49	31.69	5.56	-13.31	-7.02	CO 28
				Min N	-141.17	-46.37	45.17	6.99	-18.69	-7.06	CO 19
				Max V _y	-121.83	-39.39	40.35	5.95	-16.23	-5.96	CO 23
				Min V _y	-115.35	-49.41	36.51	6.59	-15.75	-8.11	CO 22
				Max V _z	-140.85	-48.74	47.15	6.67	-19.41	-7.43	CO 18
				Min V _z	-96.33	-40.06	29.71	5.87	-12.58	-6.64	CO 27
				Max M _T	-141.17	-46.37	45.17	6.99	-18.69	-7.06	CO 19
				Min M _T	-96.08	-42.49	31.69	5.56	-13.31	-7.02	CO 28
				Max M _y	-96.33	-40.06	29.71	5.87	-12.58	-6.64	CO 27
				Min M _y	-140.92	-48.81	47.14	6.68	-19.42	-7.44	CO 20
				Max M _z	-121.83	-39.39	40.35	5.95	-16.23	-5.96	CO 23
				Min M _z	-115.35	-49.41	36.51	6.59	-15.75	-8.11	CO 22
		18	5.640	Max N	-61.12	4.16	-13.48	-4.08	-10.78	-0.60	CO 28
				Min N	-104.98	5.91	-27.86	-5.26	-16.43	-0.85	CO 17
				Max V _y	-66.43	6.51	-16.02	-4.89	-12.18	-1.22	CO 16
				Min V _y	-99.66	3.56	-25.32	-4.45	-15.03	-0.22	CO 25
				Max V _z	-61.12	4.16	-13.48	-4.08	-10.78	-0.60	CO 28
				Min V _z	-104.98	5.91	-27.86	-5.26	-16.43	-0.85	CO 17
				Max M _T	-83.46	3.83	-24.58	-3.97	-14.46	-0.09	CO 24



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases					
					N	V _y	V _z	M _T	M _y	M _z						
65	RC2	14	0.000	Min M _T	-82.63	6.24	-16.75	▷	-5.37	-12.75	-1.35	CO 21				
				Max M _y	-61.12	4.16	-13.48	▷	-4.08	-10.78	-0.60	CO 28				
				Min M _y	-104.79	5.87	-27.79	▷	-5.27	-16.44	-0.85	CO 19				
				Max M _z	-83.28	3.79	-24.51	▷	-3.99	-14.46	-0.09	CO 26				
				Min M _z	-82.82	6.28	-16.82	▷	-5.35	-12.75	-1.35	CO 15				
				Max N	310.36	-11.66	-26.37	▷	0.59	33.23	-9.91	LC 1-4				
				Min N	-519.75	-45.62	95.86	▷	8.16	-62.20	2.22	LC 1-5				
				Max V _y	299.08	▷	-11.34	▷	0.09	31.18	-9.05	LC 1-4				
				Min V _y	-508.46	▷	-45.94	▷	8.66	-60.15	1.36	LC 1-5				
				Max V _z	-516.70	▷	-45.26	▷	7.91	-62.24	2.46	LC 1-5				
				Min V _z	307.32	▷	-12.02	▷	0.83	33.27	-10.16	LC 1-4				
				Max M _T	-464.21	-45.25	82.85	▷	9.01	-54.33	-0.11	LC 1-5				
	RC6	18	5.640	Min M _T	254.82	-12.04	-13.36	▷	-0.26	25.36	-7.58	LC 1-4				
				Max M _y	309.04	-11.83	-26.76	▷	0.70	33.39	-10.07	LC 1-4				
				Min M _y	-518.42	-45.45	96.25	▷	8.05	-62.36	2.38	LC 1-5				
				Max M _z	-490.32	-37.95	91.45	▷	6.78	-59.65	3.73	LC 1-4				
				Min M _z	280.93	-19.33	-21.96	▷	1.97	30.67	-11.43	LC 1-5				
				Max N	335.90	-20.16	47.43	▷	-0.86	41.38	-0.42	LC 1-4				
				Min N	-469.67	26.50	-92.79	▷	-5.88	-64.52	-0.16	LC 1-5				
				Max V _y	-429.15	▷	28.97	▷	-1.45	-58.80	-0.05	LC 1-5				
				Min V _y	295.37	▷	-22.62	▷	41.39	35.66	-0.53	LC 1-4				
				Max V _z	335.65	-20.38	▷	47.48	-1.06	41.39	-0.44	LC 1-4				
				Min V _z	-469.42	26.72	▷	-92.84	-5.68	-64.53	-0.14	LC 1-5				
				Max M _T	37.24	8.81	-7.22	▷	7.83	3.15	0.07	LC 1-4				
				Min M _T	-171.02	-2.47	-38.14	▷	-14.56	-26.28	-0.65	LC 1-5				
				Max M _y	335.34	-20.03	47.39	▷	-0.76	41.46	-0.45	LC 1-4				
				Min M _y	-469.11	26.37	-92.76	▷	-5.98	-64.59	-0.14	LC 1-5				
				Max M _z	-218.88	16.08	-51.67	▷	-0.35	-33.43	0.46	LC 1-4				
				Min M _z	85.10	-9.74	6.31	▷	-6.39	10.30	-1.04	LC 1-5				
				69	RC1	33	0.000	Max N	-105.59	5.84	3.45	▷	4.11	0.89	-2.24	CO 14
								Min N	-140.37	2.11	16.87	▷	4.57	-3.82	-2.57	CO 3
								Max V _y	-114.92	▷	6.23	▷	4.23	-0.56	-2.05	CO 10
Min V _y	-131.03	▷	1.72					▷	4.44	-2.37	-2.76	CO 7				
Max V _z	-140.37	2.11	▷					16.87	4.57	-3.82	-2.57	CO 3				
Min V _z	-105.59	5.84	▷					3.45	4.11	0.89	-2.24	CO 14				
Max M _T	-122.44	4.46	12.94					▷	4.82	-1.96	-2.36	CO 6				
Min M _T	-123.37	3.45	7.34					▷	3.90	-0.99	-2.47	CO 13				
Max M _y	-105.59	5.84	3.45					▷	4.11	0.89	-2.24	CO 14				
Min M _y	-140.24	2.07	16.83					▷	4.61	-3.83	-2.59	CO 5				
Max M _z	-114.92	6.23	10.33					▷	4.23	-0.56	-2.05	CO 10				
Min M _z	-131.03	1.72	9.99					▷	4.44	-2.37	-2.76	CO 7				
39	2.600	Max N	-44.03			19.20	-8.28	▷	-3.41	-3.38	-4.21	CO 13				
		Min N	-68.13			21.11	-20.60	▷	-3.98	-6.74	-4.27	CO 6				
		Max V _y	-47.02			▷	21.88	▷	-3.91	-3.57	-4.82	CO 7				
		Min V _y	-65.01			▷	18.25	▷	-3.46	-6.54	-3.62	CO 10				
		Max V _z	-44.03			19.20	▷	-8.28	-3.41	-3.38	-4.21	CO 13				
		Min V _z	-68.13			21.11	▷	-20.60	-3.98	-6.74	-4.27	CO 6				
		Max M _T	-48.48			18.72	-11.68	▷	-3.32	-4.55	-3.90	CO 14				
		Min M _T	-63.68			21.59	-17.20	▷	-4.08	-5.57	-4.58	CO 5				
		Max M _y	-44.03			19.20	-8.28	▷	-3.41	-3.38	-4.21	CO 13				
		Min M _y	-68.13			21.11	-20.60	▷	-3.98	-6.74	-4.27	CO 6				
		Max M _z	-65.01			18.25	-19.06	▷	-3.46	-6.54	-3.62	CO 10				
		Min M _z	-47.02			21.88	-9.78	▷	-3.91	-3.57	-4.82	CO 7				
RC2	33	0.000	Max N		-75.21	4.04	2.75	▷	2.88	0.49	-1.57	CO 28				
			Min N		-99.64	1.46	12.40	▷	3.24	-2.86	-1.79	CO 17				
			Max V _y		-82.12	▷	4.33	▷	2.98	-0.59	-1.42	CO 24				
			Min V _y		-92.72	▷	1.17	▷	3.14	-1.79	-1.94	CO 21				
			Max V _z		-99.64	1.46	▷	12.40	3.24	-2.86	-1.79	CO 17				
			Min V _z		-75.21	4.04	▷	2.75	2.88	0.49	-1.57	CO 28				
			Max M _T		-87.69	3.02	9.78	▷	3.41	-1.62	-1.66	CO 20				
			Min M _T		-87.05	2.44	5.35	▷	2.74	-0.76	-1.72	CO 27				
	39	2.600	Max M _y		-75.21	4.04	2.75	▷	2.88	0.49	-1.57	CO 28				
			Min M _y		-99.54	1.42	12.37	▷	3.27	-2.87	-1.80	CO 19				
			Max M _z		-82.12	4.33	7.85	▷	2.98	-0.59	-1.42	CO 24				
			Min M _z		-92.72	1.17	7.31	▷	3.14	-1.79	-1.94	CO 21				
			Max N		-30.83	13.49	-5.81	▷	-2.41	-2.36	-2.96	CO 27				
			Min N		-48.35	14.94	-14.68	▷	-2.84	-4.76	-3.03	CO 20				
			Max V _y		-33.05	▷	15.47	▷	-6.92	-2.78	-3.41	CO 21				
			Min V _y		-46.04	▷	12.82	▷	-2.45	-4.61	-2.55	CO 24				
	RC6	33	0.000		Max V _z	-30.83	13.49	▷	-5.81	-2.41	-2.36	-2.96	CO 27			
					Min V _z	-48.35	14.94	▷	-14.68	-2.84	-4.76	-3.03	CO 20			
					Max M _T	-33.80	13.17	-8.07	▷	-2.34	-3.14	-2.76	CO 28			
					Min M _T	-45.39	15.26	-12.42	▷	-2.90	-3.98	-3.24	CO 19			
Max M _y					-30.83	13.49	-5.81	▷	-2.41	-2.36	-2.96	CO 27				
Min M _y					-48.35	14.94	-14.68	▷	-2.84	-4.76	-3.03	CO 20				
Max M _z					-46.04	12.82	-13.54	▷	-2.45	-4.61	-2.55	CO 24				
Min M _z					-33.05	15.47	-6.92	▷	-2.78	-3.41	-3.41	CO 21				
39					2.600	Max N	276.27	10.65	-54.58	▷	1.04	37.61	-3.24	LC 1-4		
		Min N	-409.76			-9.64	78.06	▷	3.21	-43.87	1.33	LC 1-5				
		Max V _y	200.18			▷	-22.44	▷	10.01	25.80	-1.96	LC 1-5				
		Min V _y	-333.67			▷	-21.43	▷	-5.77	-32.05	0.06	LC 1-4				
		Max V _z	-409.36			▷	-9.84	▷	3.08	-43.83	1.33	LC 1-5				
		Min V _z	275.87			10.85	-54.65	▷	1.16	37.58	-3.23	LC 1-4				
		Max M _T	68.93			20.12	-21.15	▷	11.42	9.31	-0.86	LC 1-5				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
69	RC6			Min V _y	-3.86	▷ -18.04	24.64	3.46	10.38	2.02	LC 1-4
				Max V _z	33.87	3.14 ▷	57.22	-0.82	21.66	-4.83	LC 1-4
				Min V _z	-97.49	15.92 ▷	-77.02	-3.08	-27.35	0.78	LC 1-5
				Max M _T	-4.96	-18.03	23.48 ▷	3.47	9.96	2.10	LC 1-4
				Min M _T	-58.66	37.09	-43.27 ▷	-7.36	-15.65	-6.14	LC 1-5
				Max M _y	33.88	3.02	57.21	-0.79	21.66	-4.80	LC 1-4
				Min M _y	-97.51	16.03	-77.01	-3.10	-27.35	0.75	LC 1-5
				Max M _z	-72.84	-2.01	-51.14	0.38	-17.49	3.21	LC 1-4
				Min M _z	9.22	21.07	31.35	-4.28	11.80	-7.26	LC 1-5
				Max N	▷ -72.60	-21.04	42.15	6.14	-10.58	-3.30	CO 14
				Min N	▷ -107.79	-24.57	62.26	6.96	-16.45	-3.31	CO 5
				Max V _y	▷ -94.93	-20.55	55.22	5.76	-13.98	-2.79	CO 10
70	RC1	39	0.000	Min V _y	-85.28	▷ -24.83	49.10	7.26	-13.03	-3.77	CO 7
				Max V _z	-107.79	▷ -24.57	62.26	6.96	-16.45	-3.31	CO 5
				Min V _z	-72.60	▷ -21.04	42.15	6.14	-10.58	-3.30	CO 14
				Max M _T	-85.28	-24.83	49.10 ▷	7.26	-13.03	-3.77	CO 7
				Min M _T	-94.93	-20.55	55.22 ▷	5.76	-13.98	-2.79	CO 10
				Max M _y	-72.60	-21.04	42.15 ▷	6.14	-10.58	-3.30	CO 14
				Min M _y	-107.79	-24.57	62.26 ▷	6.96	-16.45	-3.31	CO 5
				Max M _z	-94.93	-20.55	55.22 ▷	5.76	-13.98	-2.79	CO 10
				Min M _z	-85.28	-24.83	49.10 ▷	7.26	-13.03	-3.77	CO 7
		45	4.910	Max N	▷ -38.95	14.74	-29.59	-6.14	-9.68	-4.37	CO 13
				Min N	▷ -64.75	17.03	-48.22	-6.59	-15.57	-4.27	CO 6
				Max V _y	▷ -49.78	18.64	-35.50	-6.19	-12.53	-4.76	CO 8
				Min V _y	▷ -53.83	12.90	-42.26	-6.47	-12.69	-3.80	CO 9
				Max V _z	-38.95	14.74 ▷	-29.59	-6.14	-9.68	-4.37	CO 13
				Min V _z	-64.75	17.03 ▷	-48.22	-6.59	-15.57	-4.27	CO 6
				Max M _T	-45.55	15.85	-31.42 ▷	-5.76	-11.11	-4.22	CO 14
				Min M _T	-58.13	15.92	-46.38 ▷	-6.96	-14.14	-4.42	CO 5
				Max M _y	-38.95	14.74	-29.59 ▷	-6.14	-9.68	-4.37	CO 13
				Min M _y	-64.75	17.03	-48.22 ▷	-6.59	-15.57	-4.27	CO 6
				Max M _z	-60.43	14.01	-44.10 ▷	-6.10	-14.12	-3.65	CO 10
				Min M _z	-43.17	17.53	-33.66 ▷	-6.56	-11.11	-4.92	CO 7
	RC2	39	0.000	Max N	▷ -51.23	-14.81	29.78	4.32	-7.50	-2.32	CO 28
				Min N	▷ -76.98	-17.36	44.57	4.91	-11.78	-2.32	CO 19
				Max V _y	-67.77	▷ -14.45	39.46	4.04	-10.01	-1.94	CO 24
				Min V _y	-60.31	▷ -17.56	34.83	5.13	-9.25	-2.66	CO 21
				Max V _z	-76.98	-17.36 ▷	44.57	4.91	-11.78	-2.32	CO 19
				Min V _z	-51.23	-14.81 ▷	29.78	4.32	-7.50	-2.32	CO 28
				Max M _T	-60.31	-17.56 ▷	34.83	5.13	-9.25	-2.66	CO 21
				Min M _T	-67.77	-14.45 ▷	39.46	4.04	-10.01	-1.94	CO 24
				Max M _y	-51.23	-14.81	29.78 ▷	4.32	-7.50	-2.32	CO 28
				Min M _y	-76.98	-17.36	44.57 ▷	4.91	-11.78	-2.32	CO 19
				Max M _z	-67.77	-14.45	39.46 ▷	4.04	-10.01	-1.94	CO 24
				Min M _z	-60.31	-17.56	34.83 ▷	5.13	-9.25	-2.66	CO 21
		45	4.910	Max N	▷ -27.61	10.29	-20.96	-4.32	-6.87	-3.06	CO 27
				Min N	▷ -46.24	11.90	-34.63	-4.68	-11.13	-2.99	CO 20
				Max V _y	-35.15	▷ 13.09	-25.21	-4.39	-8.88	-3.36	CO 22
				Min V _y	-38.64	▷ 8.93	-30.35	-4.57	-9.10	-2.63	CO 23
				Max V _z	-27.61	10.29 ▷	-20.96	-4.32	-6.87	-3.06	CO 27
				Min V _z	-46.24	11.90 ▷	-34.63	-4.68	-11.13	-2.99	CO 20
				Max M _T	-32.02	11.03 ▷	-22.19	-4.07	-7.83	-2.95	CO 28
				Min M _T	-41.84	11.16	-33.41 ▷	-4.93	-10.18	-3.09	CO 19
				Max M _y	-27.61	10.29	-20.96 ▷	-4.32	-6.87	-3.06	CO 27
				Min M _y	-46.24	11.90	-34.63 ▷	-4.68	-11.13	-2.99	CO 20
				Max M _z	-43.04	9.66	-31.57 ▷	-4.32	-10.06	-2.53	CO 24
				Min M _z	-30.75	12.35	-23.98 ▷	-4.64	-7.93	-3.46	CO 21
	RC6	39	0.000	Max N	▷ 58.95	-7.14	1.38	2.42	9.66	-3.49	LC 1-4
				Min N	▷ -169.54	-14.57	64.21	3.69	-27.11	0.94	LC 1-5
				Max V _y	-96.61	▷ 13.35	41.99	-3.46	-14.03	5.19	LC 1-4
				Min V _y	-13.97	▷ -35.06	23.60	9.57	-3.42	-7.74	LC 1-5
				Max V _z	-169.41	-14.74 ▷	64.24	3.73	-27.15	0.91	LC 1-5
				Min V _z	58.82	-6.97 ▷	1.34	2.37	9.70	-3.46	LC 1-4
				Max M _T	-11.64	-35.05	22.96 ▷	9.57	-3.03	-7.80	LC 1-5
				Min M _T	-98.94	13.34	42.62 ▷	-3.47	-14.42	5.25	LC 1-4
				Max M _y	58.65	-6.67	1.36	2.29	9.71	-3.39	LC 1-4
				Min M _y	-169.23	-15.04	64.23	3.81	-27.16	0.84	LC 1-5
				Max M _z	-130.70	11.02	51.19	-2.97	-19.71	5.60	LC 1-4
				Min M _z	20.12	-32.73	14.39	9.08	2.27	-8.16	LC 1-5
		45	4.910	Max N	▷ 105.99	-9.89	6.84	-1.01	20.99	-1.49	LC 1-4
				Min N	▷ -170.33	22.62	-59.05	-5.32	-36.73	-1.86	LC 1-5
				Max V _y	-132.60	▷ 26.16	-57.28	1.49	-31.52	-0.01	LC 1-5
				Min V _y	68.25	▷ -13.43	5.08	-7.82	15.79	-3.34	LC 1-4
				Max V _z	100.24	-11.78 ▷	7.81	-3.16	20.69	-2.11	LC 1-4
				Min V _z	-164.58	24.50 ▷	-60.02	-3.18	-36.42	-1.24	LC 1-5
				Max M _T	42.55	13.29	-22.50 ▷	11.44	2.12	2.59	LC 1-4
				Min M _T	-106.89	-0.57	-29.71 ▷	-17.78	-17.85	-5.94	LC 1-5
				Max M _y	105.24	-10.60	7.41	-1.69	21.14	-1.70	LC 1-4
				Min M _y	-169.58	23.33	-59.61 ▷	-4.65	-36.87	-1.65	LC 1-5
				Max M _z	30.53	14.22	-25.14 ▷	11.21	-0.42	2.66	LC 1-4
				Min M _z	-94.87	-1.50	-27.07 ▷	-17.55	-15.31	-6.01	LC 1-5
71	RC1	45	0.000	Max N	▷ -45.75	-19.63	29.70	6.23	-11.50	-4.77	CO 2
				Min N	▷ -68.98	-17.87	41.89	5.49	-15.24	-3.73	CO 11
				Max V _y	-61.22	▷ -16.32	39.44	5.93	-13.91	-3.80	CO 10
				Min V _y	-53.52	▷ -21.19	32.14	5.79	-12.83	-4.70	CO 7
				Max V _z	-68.39	-19.85 ▷	43.65	6.25	-15.60	-4.35	CO 5
				Min V _z	-46.62	-17.95 ▷	27.99	5.51	-11.23	-4.21	CO 14
				Max M _T	-60.89	-18.58	41.27 ▷	6.74	-14.36	-4.49	CO 6
				Min M _T	-54.11	-19.21	30.38 ▷	5.02	-12.47	-4.07	CO 13
				Max M _y	-46.62	-17.95	27.99 ▷	5.51	-11.23	-4.21	CO 14
				Min M _y	-68.39	-19.85	43.65 ▷	6.25	-15.60	-4.35	CO 5
				Max M _z	-68.71	-17.58	41.83	5.44	-15.15	-3.66	CO 9



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z		
71	RC1	49	3.730	Min M _z	-46.02	-19.92	29.76	6.28	-11.59	-4.84	CO 8
				Max N	-49.46	1.02	-10.14	-4.68	0.48	-2.82	CO 13
				Min N	-76.24	1.76	-22.42	-5.42	-3.12	-3.07	CO 6
				Max V _y	-69.26	1.84	-14.26	-5.41	-1.33	-3.19	CO 8
				Min V _y	-55.80	0.94	-17.90	-4.56	-1.40	-2.66	CO 9
				Max V _z	-49.46	1.02	-10.14	-4.68	0.48	-2.82	CO 13
				Min V _z	-76.24	1.76	-22.42	-5.42	-3.12	-3.07	CO 6
				Max M _T	-55.80	0.94	-17.90	-4.56	-1.40	-2.66	CO 9
				Min M _T	-76.24	1.76	-22.42	-5.42	-3.12	-3.07	CO 6
				Max M _y	-49.46	1.02	-10.14	-4.68	0.48	-2.82	CO 13
				Min M _y	-75.60	1.75	-22.02	-5.29	-3.20	-3.03	CO 4
				Max M _z	-62.12	0.99	-19.42	-4.71	-2.40	-2.60	CO 10
				Min M _z	-62.94	1.79	-12.74	-5.26	-0.33	-3.25	CO 7
	RC2	45	0.000	Max N	-32.35	-13.83	21.15	4.40	-8.19	-3.35	CO 16
				Min N	-48.99	-12.43	30.00	3.89	-10.86	-2.59	CO 25
				Max V _y	-43.80	-11.37	28.36	4.18	-9.97	-2.64	CO 24
				Min V _y	-37.54	-14.89	22.78	4.11	-9.08	-3.31	CO 21
				Max V _z	-48.55	-13.89	31.30	4.45	-11.13	-3.05	CO 19
				Min V _z	-32.98	-12.58	19.88	3.87	-7.99	-2.94	CO 28
				Max M _T	-43.56	-13.05	29.72	4.78	-10.30	-3.15	CO 20
				Min M _T	-37.97	-13.42	21.47	3.54	-8.81	-2.85	CO 27
				Max M _y	-32.98	-12.58	19.88	3.87	-7.99	-2.94	CO 28
				Min M _y	-48.55	-13.89	31.30	4.45	-11.13	-3.05	CO 19
				Max M _z	-48.79	-12.22	29.95	3.85	-10.79	-2.54	CO 23
				Min M _z	-32.55	-14.04	21.19	4.44	-8.26	-3.40	CO 22
		49	3.730	Max N	-34.65	0.68	-7.27	-3.30	0.32	-1.97	CO 27
				Min N	-54.01	1.22	-16.25	-3.83	-2.27	-2.16	CO 20
				Max V _y	-48.84	1.27	-10.20	-3.82	-0.93	-2.25	CO 22
				Min V _y	-39.35	0.61	-13.02	-3.21	-1.06	-1.85	CO 23
				Max V _z	-34.65	0.68	-7.27	-3.30	0.32	-1.97	CO 27
				Min V _z	-54.01	1.22	-16.25	-3.83	-2.27	-2.16	CO 20
				Max M _T	-39.35	0.61	-13.02	-3.21	-1.06	-1.85	CO 23
				Min M _T	-54.01	1.22	-16.25	-3.83	-2.27	-2.16	CO 20
				Max M _y	-34.65	0.68	-7.27	-3.30	0.32	-1.97	CO 27
				Min M _y	-53.54	1.21	-15.95	-3.74	-2.32	-2.13	CO 18
				Max M _z	-43.55	0.64	-14.03	-3.31	-1.73	-1.81	CO 24
				Min M _z	-44.63	1.24	-9.19	-3.73	-0.27	-2.29	CO 21
	RC6	45	0.000	Max N	236.04	7.53	-36.56	-1.55	35.35	-2.28	LC 1-4
				Min N	-299.18	-22.85	83.03	7.75	-50.81	-1.23	LC 1-5
				Max V _y	79.80	13.39	-15.75	10.00	13.38	-3.77	LC 1-4
				Min V _y	-142.93	-28.72	62.23	-3.81	-28.85	0.26	LC 1-5
				Max V _z	-294.43	-24.99	84.41	6.23	-50.73	-0.93	LC 1-5
				Min V _z	231.30	9.67	-37.93	-0.03	35.26	-2.58	LC 1-4
				Max M _T	-71.36	4.72	18.00	13.74	-10.97	-4.00	LC 1-5
				Min M _T	8.22	-20.04	28.48	-7.55	-4.49	0.49	LC 1-4
				Max M _y	234.70	8.48	-37.42	-0.96	35.57	-2.41	LC 1-4
				Min M _y	-297.83	-23.81	83.89	7.16	-51.04	-1.10	LC 1-5
				Max M _z	-105.19	-25.93	53.46	-5.52	-22.80	0.79	LC 1-4
				Min M _z	42.06	10.60	-6.98	11.71	7.33	-4.30	LC 1-5
		49	3.730	Max N	201.08	-21.96	46.17	-3.65	30.21	0.26	LC 1-4
				Min N	-271.82	23.28	-73.28	-1.21	-34.04	-2.86	LC 1-5
				Max V _y	-250.84	26.21	-68.93	0.12	-29.96	-3.65	LC 1-5
				Min V _y	180.10	-24.89	41.82	-4.98	26.12	1.05	LC 1-4
				Max V _z	200.89	-22.35	46.22	-3.77	30.09	0.33	LC 1-4
				Min V _z	-271.63	23.67	-73.33	-1.09	-33.92	-2.94	LC 1-5
				Max M _T	-61.41	15.46	-22.83	1.58	-2.92	-3.57	LC 1-4
				Min M _T	-9.33	-14.14	-4.28	-6.45	-0.92	0.97	LC 1-5
				Max M _y	200.48	-21.21	45.89	-3.44	30.30	0.12	LC 1-4
				Min M _y	-271.23	22.53	-73.00	-1.42	-34.13	-2.73	LC 1-5
				Max M _z	5.29	-15.04	-1.31	-5.98	0.32	1.31	LC 1-4
				Min M _z	-76.03	16.36	-25.80	1.12	-4.16	-3.91	LC 1-5
72	RC1	49	0.000	Max N	-143.57	-56.78	41.73	10.59	-14.59	-10.84	CO 14
				Min N	-170.55	-65.72	57.15	12.29	-18.80	-12.29	CO 5
				Max V _y	-143.59	-56.30	48.97	10.71	-15.53	-10.61	CO 10
				Min V _y	-165.48	-65.74	49.32	12.14	-17.41	-12.46	CO 7
				Max V _z	-170.55	-65.72	57.15	12.29	-18.80	-12.29	CO 5
				Min V _z	-143.57	-56.78	41.73	10.59	-14.59	-10.84	CO 14
				Max M _T	-170.55	-65.72	57.15	12.29	-18.80	-12.29	CO 5
				Min M _T	-143.57	-56.78	41.73	10.59	-14.59	-10.84	CO 14
				Max M _y	-143.57	-56.78	41.73	10.59	-14.59	-10.84	CO 14
				Min M _y	-170.55	-65.72	57.15	12.29	-18.80	-12.29	CO 5
				Max M _z	-143.59	-56.30	48.97	10.71	-15.53	-10.61	CO 10
				Min M _z	-165.48	-65.74	49.32	12.14	-17.41	-12.46	CO 7
		55	3.110	Max N	-7.03	11.54	-1.96	-9.32	-1.18	-6.16	CO 13
				Min N	-22.30	12.45	-13.71	-10.91	-4.32	-6.64	CO 4
				Max V _y	-14.93	15.43	-5.20	-9.80	-3.16	-6.82	CO 8
				Min V _y	-14.40	8.56	-10.47	-10.43	-2.33	-5.97	CO 9
				Max V _z	-7.03	11.54	-1.96	-9.32	-1.18	-6.16	CO 13
				Min V _z	-22.30	12.45	-13.71	-10.91	-4.32	-6.64	CO 4
				Max M _T	-14.83	12.73	-4.50	-9.00	-2.87	-6.01	CO 14
				Min M _T	-14.28	11.29	-10.64	-11.25	-2.58	-6.80	CO 5
				Max M _y	-7.03	11.54	-1.96	-9.32	-1.18	-6.16	CO 13
				Min M _y	-22.30	12.45	-13.71	-10.91	-4.32	-6.64	CO 4
				Max M _z	-22.19	9.74	-13.01	-10.10	-4.02	-5.83	CO 10
				Min M _z	-7.13	14.24	-2.66	-10.13	-1.48	-6.97	CO 7
	RC2	49	0.000	Max N	-101.07	-39.73	29.39	7.43	-10.28	-7.58	CO 28
				Min N	-120.80	-46.29	40.68	8.67	-13.32	-8.65	CO 19
				Max V _y	-101.08	-39.37	34.76	7.51	-10.97	-7.41	CO 24
				Min V _y	-117.05	-46.31	34.88	8.56	-12.30	-8.78	CO 21
				Max V _z	-120.80	-46.29	40.68	8.67	-13.32	-8.65	CO 19
				Min V _z	-101.07	-39.73	29.39	7.43	-10.28	-7.58	CO 28
				Max M _T	-120.80	-46.29	40.68	8.67	-13.32	-8.65	CO 19

Date: 2/3/2021

Project:

Model: XWROS POLITISMOY SKLIBANH

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases					
				N	V _y	V _z	M _T	M _y	M _z						
72	RC2	55	3.110	Min M _T	-101.07	-39.73	29.39	7.43	-10.28	-7.58	CO 28				
				Max M _y	-101.07	-39.73	29.39	7.43	-10.28	-7.58	CO 28				
				Min M _y	-120.80	-46.29	40.68	8.67	-13.32	-8.65	CO 19				
				Max M _z	-101.08	-39.37	34.76	7.51	-10.97	-7.41	CO 24				
				Min M _z	-117.05	-46.31	34.88	8.56	-12.30	-8.78	CO 21				
				Max N	-5.22	8.01	-1.52	-6.55	-0.89	-4.30	CO 27				
				Min N	-15.95	8.60	-10.03	-7.74	-3.09	-4.67	CO 18				
				Max V _y	-10.50	10.81	-3.73	-6.93	-2.24	-4.81	CO 22				
				Min V _y	-10.68	5.80	-7.82	-7.36	-1.74	-4.17	CO 23				
				Max V _z	-5.22	8.01	-1.52	-6.55	-0.89	-4.30	CO 27				
				Min V _z	-15.95	8.60	-10.03	-7.74	-3.09	-4.67	CO 18				
				Max M _T	-10.42	8.80	-3.21	-6.33	-2.01	-4.21	CO 28				
				Min M _T	-10.60	7.82	-7.95	-7.97	-1.93	-4.78	CO 19				
				Max M _y	-5.22	8.01	-1.52	-6.55	-0.89	-4.30	CO 27				
				Min M _y	-15.95	8.60	-10.03	-7.74	-3.09	-4.67	CO 18				
				Max M _z	-15.87	6.59	-9.51	-7.15	-2.86	-4.07	CO 24				
				Min M _z	-5.30	10.02	-2.04	-7.14	-1.11	-4.90	CO 21				
				RC6	49	0.000	Max N	31.67	-11.74	-14.22	5.75	8.22	-3.78	LC 1-4	
							Min N	-189.38	-44.38	70.42	4.90	-25.70	-6.61	LC 1-5	
							Max V _y	27.52	-11.41	-13.05	4.74	8.35	-3.64	LC 1-4	
	Min V _y	-185.23	-44.71				69.24	5.91	-25.83	-6.74	LC 1-5				
	Max V _z	-189.17	-44.44				70.50	4.98	-25.81	-6.61	LC 1-5				
	Min V _z	31.46	-11.67				-14.30	5.67	8.33	-3.77	LC 1-4				
	Max M _T	-40.95	-31.06				14.91	13.21	-7.49	-6.59	LC 1-5				
	Min M _T	-116.76	-25.06				41.28	-2.55	-9.99	-3.80	LC 1-4				
	Max M _y	29.36	-11.50				-13.76	5.06	8.50	-3.71	LC 1-4				
	Min M _y	-187.07	-44.61				69.96	5.59	-25.98	-6.67	LC 1-5				
	Max M _z	-4.96	-13.17				-0.97	1.63	5.07	-3.37	LC 1-4				
	Min M _z	-152.75	-42.94				57.16	9.02	-22.55	-7.02	LC 1-5				
	Max N	140.18	-11.56				36.22	-4.88	30.12	-3.75	LC 1-5				
	Min N	-161.26	19.07				-53.12	-5.52	-34.16	-1.84	LC 1-4				
	Max V _y	-126.38	24.90				-49.84	-0.88	-29.12	-1.22	LC 1-5				
	Min V _y	105.30	-17.38				32.94	-9.52	25.08	-4.37	LC 1-4				
	Max V _z	135.95	-13.49				37.13	-6.52	29.95	-4.17	LC 1-5				
	Min V _z	-157.03	21.01				-54.03	-3.89	-34.00	-1.42	LC 1-4				
	Max M _T	32.41	14.39				-10.15	6.30	2.24	0.32	LC 1-4				
	Min M _T	-53.49	-6.87				-6.75	-16.70	-6.29	-5.90	LC 1-5				
	Max M _y	139.50	-12.32				36.78	-5.46	30.24	-3.91	LC 1-5				
	Min M _y	-160.58	19.83				-53.69	-4.94	-34.29	-1.68	LC 1-4				
	Max M _z	12.33	15.83				-15.66	5.94	-1.99	0.42	LC 1-4				
	73	RC1	55				0.000	Min M _z	-33.41	-8.31	-1.25	-16.35	-2.05	-6.01	LC 1-5
								Max N	-77.96	-25.48	40.28	3.45	-19.70	-3.79	CO 14
								Min N	-109.67	-30.46	60.75	3.23	-26.74	-3.78	CO 3
								Max V _y	-77.96	-25.48	40.28	3.45	-19.70	-3.79	CO 14
								Min V _y	-109.67	-30.46	60.75	3.23	-26.74	-3.78	CO 3
								Max V _z	-109.67	-30.46	60.75	3.23	-26.74	-3.78	CO 3
								Min V _z	-77.96	-25.48	40.28	3.45	-19.70	-3.79	CO 14
				Max M _T	-80.47	-28.67		43.89	3.95	-20.95	-4.45	CO 2			
				Min M _T	-107.15	-27.27		57.15	2.74	-25.49	-3.12	CO 11			
				Max M _y	-77.96	-25.48		40.28	3.45	-19.70	-3.79	CO 14			
Min M _y				-109.60	-30.41	60.61		3.23	-26.76	-3.76	CO 5				
Max M _z				-107.15	-27.27	57.15		2.74	-25.49	-3.12	CO 11				
Min M _z				-80.47	-28.67	43.89		3.95	-20.95	-4.45	CO 2				
Max N				-51.69	21.64	-34.21		-3.34	-14.59	-3.62	CO 13				
Min N				-94.92	25.52	-55.81		-4.29	-23.54	-3.64	CO 6				
Max V _y				-87.04	26.11	-54.98		-3.57	-22.58	-3.56	CO 3				
Min V _y				-59.46	21.13	-35.12		-4.05	-15.52	-3.72	CO 14				
Max V _z				-51.69	21.64	-34.21		-3.34	-14.59	-3.62	CO 13				
Min V _z				-94.82	25.59	-55.89		-4.28	-23.50	-3.65	CO 4				
Max M _T				-73.27	21.90	-48.75		-3.15	-19.03	-3.08	CO 9				
Min M _T		-73.24	25.34	-41.35	-4.46	-19.07	-4.20	CO 8							
Max M _y		-51.69	21.64	-34.21	-3.34	-14.59	-3.62	CO 13							
Min M _y		-94.92	25.52	-55.81	-4.29	-23.54	-3.64	CO 6							
Max M _z		-73.38	21.83	-48.66	-3.17	-19.07	-3.06	CO 11							
Min M _z		-73.13	25.41	-41.43	-4.45	-19.03	-4.22	CO 2							
RC2		55	0.000	Max N	-54.81	-17.83	28.47	2.41	-13.90	-2.63	CO 28				
				Min N	-77.83	-21.42	43.49	2.29	-19.04	-2.63	CO 17				
				Max V _y	-54.81	-17.83	28.47	2.41	-13.90	-2.63	CO 28				
				Min V _y	-77.83	-21.42	43.49	2.29	-19.04	-2.63	CO 17				
				Max V _z	-77.83	-21.42	43.49	2.29	-19.04	-2.63	CO 17				
				Min V _z	-54.81	-17.83	28.47	2.41	-13.90	-2.63	CO 28				
				Max M _T	-56.67	-20.19	31.14	2.78	-14.83	-3.12	CO 16				
				Min M _T	-75.97	-19.05	40.82	1.92	-18.12	-2.15	CO 25				
				Max M _y	-54.81	-17.83	28.47	2.41	-13.90	-2.63	CO 28				
				Min M _y	-77.78	-21.38	43.38	2.29	-19.05	-2.62	CO 19				
				Max M _z	-75.97	-19.05	40.82	1.92	-18.12	-2.15	CO 25				
				Min M _z	-56.67	-20.19	31.14	2.78	-14.83	-3.12	CO 16				
				Max N	-36.61	15.10	-24.21	-2.36	-10.33	-2.52	CO 20				
				Min N	-68.05	18.01	-40.14	-3.01	-16.89	-2.52	CO 27				
				Max V _y	-62.79	18.41	-39.59	-2.53	-16.24	-2.47	CO 17				
	Min V _y			-41.79	14.75	-24.82	-2.83	-10.95	-2.58	CO 28					
	Max V _z			-36.61	15.10	-24.21	-2.36	-10.33	-2.52	CO 27					
	Min V _z			-67.98	18.06	-40.20	-3.00	-16.86	-2.53	CO 18					
	Max M _T			-52.60	15.29	-34.98	-2.22	-13.61	-2.11	CO 23					
	RC6			55	0.000	Min M _T	-51.99	17.88	-29.43	-3.14	-13.57	-2.94	CO 22		
Max M _y		-36.61	15.10			-24.21	-2.36	-10.33	-2.52	CO 27					
Min M _y		-68.05	18.01			-40.14	-3.01	-16.89	-2.52	CO 20					
Max M _z		-52.67	15.23			-34.92	-2.23	-13.64	-2.10	CO 25					
Min M _z		-51.91	17.93			-29.49	-3.13	-13.54	-2.95	CO 16					
Max N		158.81	-0.05			-10.33	-1.55	21.46	-2.16	LC 1-4					
Min N		-261.04	-25.16			73.73	4.54	-47.67	-0.54	LC 1-5					
Max V _y		23.26	10.33			2.54	10.93	2.88	-3.27	LC 1-4					

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
73	RC6	57	5.035	Min V _y	-125.49	▷ -35.55	60.86	-7.94	-29.09	0.57	LC 1-5
				Max V _z	-255.37	▷ -28.51	75.45	2.33	-47.54	-0.21	LC 1-5
				Min V _z	153.15	▷ 3.29	-12.04	0.67	-21.33	-2.49	LC 1-4
				Max M _T	-82.73	▷ 3.11	24.71	▷ 13.25	-14.88	-3.34	LC 1-5
				Min M _T	-19.50	▷ -28.32	38.69	▷ -10.26	-11.33	0.65	LC 1-4
				Max M _y	157.42	▷ 1.59	-11.43	▷ -0.56	21.71	-2.32	LC 1-4
				Min M _y	-259.64	▷ -26.80	74.84	▷ 3.55	-47.92	-0.38	LC 1-5
				Max M _z	-117.74	▷ -32.47	57.01	▷ -8.19	-27.22	1.04	LC 1-4
				Min M _z	15.52	▷ 7.26	6.40	▷ 11.18	1.01	-3.74	LC 1-5
				Max N	▷ 155.49	▷ -7.80	14.93	▷ -1.80	22.45	-2.25	LC 1-4
				Min N	▷ -256.88	▷ 30.35	-77.00	▷ -1.56	-47.83	-0.12	LC 1-5
				Max V _y	▷ -220.82	▷ 38.63	-75.62	▷ 5.27	-43.77	0.74	LC 1-5
				Min V _y	▷ 119.43	▷ -16.08	13.56	▷ -8.62	18.40	-3.11	LC 1-4
				Max V _z	▷ 147.39	▷ -12.71	16.37	▷ -5.16	22.11	-2.73	LC 1-4
				Min V _z	▷ -248.77	▷ 35.26	-78.44	▷ 1.80	-47.49	0.36	LC 1-5
				Max M _T	▷ -38.62	▷ 31.91	-40.12	▷ 12.26	-14.18	1.15	LC 1-4
				Min M _T	▷ -62.76	▷ -9.36	-21.95	▷ -15.62	-11.19	-3.52	LC 1-5
				Max M _y	▷ 154.15	▷ -9.44	15.71	▷ -2.80	22.66	-2.40	LC 1-4
				Min M _y	▷ -255.54	▷ 31.99	-77.78	▷ -0.55	-48.04	0.03	LC 1-5
				Max M _z	▷ -67.37	▷ 33.64	-45.95	▷ 11.83	-18.92	1.26	LC 1-4
				Min M _z	▷ -34.02	▷ -11.09	-16.11	▷ -15.18	-6.45	-3.63	LC 1-5
74	RC1	57	0.000	Max N	▷ -12.95	▷ -14.07	9.22	▷ 6.96	-3.17	-5.30	CO 13
				Min N	▷ -30.79	▷ -13.11	20.26	▷ 9.79	-6.22	-6.08	CO 6
				Max V _y	▷ -19.53	▷ -11.09	16.88	▷ 7.96	-4.15	-5.08	CO 11
				Min V _y	▷ -24.07	▷ -16.08	12.85	▷ 8.77	-5.21	-6.29	CO 2
				Max V _z	▷ -29.95	▷ -11.72	20.72	▷ 8.22	-6.18	-5.09	CO 10
				Min V _z	▷ -13.65	▷ -15.45	9.01	▷ 8.51	-3.19	-6.28	CO 7
				Max M _T	▷ -30.79	▷ -13.11	20.26	▷ 9.79	-6.22	-6.08	CO 6
				Min M _T	▷ -12.95	▷ -14.07	9.22	▷ 6.96	-3.17	-5.30	CO 13
				Max M _y	▷ -12.95	▷ -14.07	9.22	▷ 6.96	-3.17	-5.30	CO 13
				Min M _y	▷ -30.79	▷ -13.11	20.26	▷ 9.79	-6.22	-6.08	CO 6
				Max M _z	▷ -19.40	▷ -11.09	17.13	▷ 7.95	-4.13	-5.08	CO 9
				Min M _z	▷ -24.20	▷ -16.08	12.60	▷ 8.79	-5.23	-6.29	CO 8
		51	3.110	Max N	▷ -130.35	▷ 43.65	-17.54	▷ -11.51	4.19	-10.50	CO 14
				Min N	▷ -178.83	▷ 55.73	-34.59	▷ -13.63	-0.45	-12.63	CO 5
				Max V _y	▷ -175.29	▷ 55.96	-34.97	▷ -13.54	-0.70	-12.62	CO 3
				Min V _y	▷ -130.35	▷ 43.65	-17.54	▷ -11.51	4.19	-10.50	CO 14
				Max V _z	▷ -130.35	▷ 43.65	-17.54	▷ -11.51	4.19	-10.50	CO 14
				Min V _z	▷ -175.29	▷ 55.96	-34.97	▷ -13.54	-0.70	-12.62	CO 3
				Max M _T	▷ -147.58	▷ 45.95	-22.41	▷ -11.34	1.75	-10.68	CO 13
				Min M _T	▷ -161.58	▷ 53.43	-29.72	▷ -13.80	1.99	-12.45	CO 6
				Max M _y	▷ -130.35	▷ 43.65	-17.54	▷ -11.51	4.19	-10.50	CO 14
				Min M _y	▷ -175.29	▷ 55.96	-34.97	▷ -13.54	-0.70	-12.62	CO 3
				Max M _z	▷ -130.35	▷ 43.65	-17.54	▷ -11.51	4.19	-10.50	CO 14
				Min M _z	▷ -178.83	▷ 55.73	-34.59	▷ -13.63	-0.45	-12.63	CO 5
	RC2	57	0.000	Max N	▷ -9.50	▷ -9.80	6.69	▷ 4.90	-2.31	-3.71	CO 27
				Min N	▷ -21.93	▷ -9.04	14.60	▷ 6.98	-4.41	-4.28	CO 20
				Max V _y	▷ -14.38	▷ -7.60	12.36	▷ 5.64	-3.04	-3.55	CO 25
				Min V _y	▷ -16.96	▷ -11.25	9.11	▷ 6.22	-3.67	-4.44	CO 16
				Max V _z	▷ -21.31	▷ -8.02	14.94	▷ 5.81	-4.38	-3.55	CO 24
				Min V _z	▷ -10.03	▷ -10.83	6.54	▷ 6.05	-2.32	-4.43	CO 21
				Max M _T	▷ -21.93	▷ -9.04	14.60	▷ 6.98	-4.41	-4.28	CO 20
				Min M _T	▷ -9.50	▷ -9.80	6.69	▷ 4.90	-2.31	-3.71	CO 27
				Max M _y	▷ -9.50	▷ -9.80	6.69	▷ 4.90	-2.31	-3.71	CO 27
				Min M _y	▷ -21.93	▷ -9.04	14.60	▷ 6.98	-4.41	-4.28	CO 20
				Max M _z	▷ -14.28	▷ -7.60	12.55	▷ 5.63	-3.02	-3.54	CO 23
				Min M _z	▷ -17.06	▷ -11.25	8.93	▷ 6.23	-3.68	-4.44	CO 22
		51	3.110	Max N	▷ -91.71	▷ 30.44	-12.37	▷ -8.08	2.94	-7.33	CO 28
				Min N	▷ -126.32	▷ 39.21	-24.64	▷ -9.65	-0.32	-8.89	CO 19
				Max V _y	▷ -123.70	▷ 39.38	-24.92	▷ -9.59	-0.50	-8.89	CO 17
				Min V _y	▷ -91.71	▷ 30.44	-12.37	▷ -8.08	2.94	-7.33	CO 28
				Max V _z	▷ -91.71	▷ 30.44	-12.37	▷ -8.08	2.94	-7.33	CO 28
				Min V _z	▷ -123.70	▷ 39.38	-24.92	▷ -9.59	-0.50	-8.89	CO 17
				Max M _T	▷ -103.19	▷ 31.97	-15.62	▷ -7.96	1.31	-7.45	CO 27
				Min M _T	▷ -114.84	▷ 37.68	-21.40	▷ -9.77	1.31	-8.77	CO 20
				Max M _y	▷ -91.71	▷ 30.44	-12.37	▷ -8.08	2.94	-7.33	CO 28
				Min M _y	▷ -123.70	▷ 39.38	-24.92	▷ -9.59	-0.50	-8.89	CO 17
				Max M _z	▷ -91.71	▷ 30.44	-12.37	▷ -8.08	2.94	-7.33	CO 28
				Min M _z	▷ -126.32	▷ 39.21	-24.64	▷ -9.65	-0.32	-8.89	CO 19
	RC6	57	0.000	Max N	▷ 167.79	▷ 13.15	-59.96	▷ 4.96	37.28	-4.34	LC 1-4
				Min N	▷ -196.30	▷ -20.93	82.14	▷ 4.79	-42.75	-0.90	LC 1-5
				Max V _y	▷ 65.79	▷ 17.14	-34.19	▷ 14.66	19.24	-6.20	LC 1-4
				Min V _y	▷ -94.30	▷ -24.92	56.37	▷ -4.92	-24.71	0.96	LC 1-5
				Max V _z	▷ -194.30	▷ -22.50	83.24	▷ 3.46	-42.90	-0.52	LC 1-5
				Min V _z	▷ 165.79	▷ 14.72	-61.05	▷ 6.28	37.43	-4.72	LC 1-4
				Max M _T	▷ -7.87	▷ 10.73	-7.28	▷ 16.74	3.70	-6.50	LC 1-5
				Min M _T	▷ -20.64	▷ -18.51	29.47	▷ -7.00	-9.17	1.26	LC 1-4
				Max M _y	▷ 166.95	▷ 14.25	-60.90	▷ 5.86	37.50	-4.61	LC 1-4
				Min M _y	▷ -195.46	▷ -22.03	83.09	▷ 3.88	-42.97	-0.63	LC 1-5
				Max M _z	▷ -84.28	▷ -22.59	52.70	▷ -6.11	-22.71	1.71	LC 1-4
				Min M _z	▷ 55.77	▷ 14.81	-30.51	▷ 15.85	17.24	-6.95	LC 1-5
		51	3.110	Max N	▷ 214.39	▷ -13.16	70.02	▷ -5.41	47.87	-3.09	LC 1-4
				Min N	▷ -373.09	▷ 59.86	-104.20	▷ -7.23	-48.27	-7.60	LC 1-5
				Max V _y	▷ -372.01	▷ 59.98	-103.81	▷ -7.02	-47.87	-7.66	LC 1-5
				Min V _y	▷ 213.30	▷ -13.29	69.63	▷ -5.61	47.47	-3.03	LC 1-4
				Max V _z	▷ 214.17	▷ -13.11	70.08	▷ -5.23	48.09	-3.11	LC 1-4
				Min V _z	▷ -372.88	▷ 59.81	-104.26	▷ -7.40	-48.49	-7.58	LC 1-5
				Max M _T	▷ -61.39	▷ 20.40	-10.28	▷ 1.22	9.20	-5.17	LC 1-4
				Min M _T	▷ -97.31	▷ 26.29	-23.90	▷ -13.86	-9.60	-5.52	LC 1-5
				Max M _y	▷ 212.08	▷ -12.79	69.68	▷ -4.70	48.36	-3.17	LC 1-4
				Min M _y	▷ -370.78	▷ 59.48	-103.86	▷ -7.94	-48.76	-7.52	LC 1-5
				Max M _z	▷ 194.41	▷ -11.76	63.35	▷ -6.99	42.67	-2.91	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
74	RC6			Min M _z	-353.11	58.45	-97.53	-5.65	-43.08	-7.78	LC 1-5
75	RC1	51	0.000	Max N	-142.71	5.39	21.24	21.95	-16.13	-5.28	CO 14
				Min N	-188.29	4.53	38.11	23.75	-21.94	-5.83	CO 5
				Max V _y	-179.53	6.47	36.24	24.43	-21.35	-5.60	CO 6
				Min V _y	-174.13	3.19	36.66	20.25	-20.61	-5.00	CO 9
				Max V _z	-187.69	3.74	38.12	23.12	-21.93	-5.84	CO 3
				Min V _z	-142.71	5.39	21.24	21.95	-16.13	-5.28	CO 14
				Max M _T	-156.26	5.95	22.70	24.82	-17.44	-6.12	CO 8
				Min M _T	-174.13	3.19	36.66	20.25	-20.61	-5.00	CO 9
				Max M _y	-142.71	5.39	21.24	21.95	-16.13	-5.28	CO 14
				Min M _y	-188.29	4.53	38.11	23.75	-21.94	-5.83	CO 5
				Max M _z	-165.98	5.91	34.78	21.55	-20.04	-4.76	CO 12
				Min M _z	-164.42	3.22	24.58	23.52	-18.02	-6.35	CO 1
		6	5.640	Max N	-97.61	50.73	-45.48	-8.60	-19.32	-11.45	CO 13
				Min N	-147.63	59.50	-69.21	-9.86	-28.77	-12.56	CO 6
				Max V _y	-117.14	60.83	-53.45	-9.90	-23.70	-13.55	CO 8
				Min V _y	-127.91	49.12	-61.26	-8.51	-24.35	-10.38	CO 9
				Max V _z	-97.61	50.73	-45.48	-8.60	-19.32	-11.45	CO 13
				Min V _z	-147.44	59.21	-69.23	-9.81	-28.72	-12.48	CO 4
				Max M _T	-129.20	51.21	-62.15	-8.49	-25.03	-10.83	CO 10
				Min M _T	-115.84	58.73	-52.56	-9.93	-23.01	-13.10	CO 7
				Max M _y	-97.61	50.73	-45.48	-8.60	-19.32	-11.45	CO 13
				Min M _y	-147.63	59.50	-69.21	-9.86	-28.77	-12.56	CO 6
				Max M _z	-127.91	49.12	-61.26	-8.51	-24.35	-10.38	CO 9
				Min M _z	-117.14	60.83	-53.45	-9.90	-23.70	-13.55	CO 8
	RC2	51	0.000	Max N	-100.04	4.01	15.06	15.42	-11.38	-3.65	CO 28
				Min N	-133.16	3.52	27.43	16.81	-15.64	-4.04	CO 19
				Max V _y	-127.33	4.81	26.18	17.26	-15.25	-3.89	CO 20
				Min V _y	-122.66	2.52	26.35	14.22	-14.66	-3.42	CO 23
				Max V _z	-132.71	2.93	27.44	16.34	-15.63	-4.05	CO 17
				Min V _z	-100.04	4.01	15.06	15.42	-11.38	-3.65	CO 28
				Max M _T	-110.09	4.42	16.15	17.55	-12.35	-4.27	CO 22
				Min M _T	-122.66	2.52	26.35	14.22	-14.66	-3.42	CO 23
				Max M _y	-100.04	4.01	15.06	15.42	-11.38	-3.65	CO 28
				Min M _y	-133.16	3.52	27.43	16.81	-15.64	-4.04	CO 19
				Max M _z	-117.28	4.39	25.10	15.13	-14.28	-3.27	CO 26
				Min M _z	-115.47	2.55	17.40	16.64	-12.73	-4.43	CO 15
		6	5.640	Max N	-68.91	35.49	-32.14	-6.03	-13.67	-7.99	CO 27
				Min N	-105.87	41.83	-49.66	-6.96	-20.62	-8.78	CO 20
				Max V _y	-83.28	42.81	-37.99	-6.99	-16.86	-9.51	CO 22
				Min V _y	-91.36	34.30	-43.83	-5.96	-17.40	-7.20	CO 23
				Max V _z	-68.91	35.49	-32.14	-6.03	-13.67	-7.99	CO 27
				Min V _z	-105.73	41.62	-49.68	-6.92	-20.58	-8.72	CO 18
				Max M _T	-92.22	35.69	-44.43	-5.94	-17.85	-7.50	CO 24
				Min M _T	-82.42	41.42	-37.39	-7.01	-16.41	-9.22	CO 21
				Max M _y	-68.91	35.49	-32.14	-6.03	-13.67	-7.99	CO 27
				Min M _y	-105.87	41.83	-49.66	-6.96	-20.62	-8.78	CO 20
				Max M _z	-91.36	34.30	-43.83	-5.96	-17.40	-7.20	CO 23
				Min M _z	-83.28	42.81	-37.99	-6.99	-16.86	-9.51	CO 22
	RC6	51	0.000	Max N	-117.61	25.37	-15.40	10.46	12.43	0.83	LC 1-4
				Min N	-285.64	-15.89	57.71	11.22	-34.15	-4.71	LC 1-5
				Max V _y	-34.68	39.15	-13.77	21.29	-0.35	2.36	LC 1-4
				Min V _y	-202.70	-29.66	56.09	0.39	-21.37	-6.24	LC 1-5
				Max V _z	-282.42	-17.81	58.52	10.11	-33.49	-4.92	LC 1-5
				Min V _z	114.40	27.30	-16.20	11.57	11.77	1.04	LC 1-4
				Max M _T	-60.55	33.76	0.78	24.80	-11.58	1.01	LC 1-5
				Min M _T	-107.47	-24.27	41.53	-3.12	-10.14	-4.89	LC 1-4
				Max M _y	115.91	23.10	-13.91	9.44	12.60	0.56	LC 1-4
				Min M _y	-283.93	-13.62	56.22	12.24	-34.32	-4.44	LC 1-5
				Max M _z	34.70	39.08	-13.64	21.21	-0.39	2.37	LC 1-4
				Min M _z	-202.72	-29.59	55.95	0.47	-21.33	-6.25	LC 1-5
		6	5.640	Max N	128.92	18.59	-7.41	-0.15	12.70	-6.04	LC 1-4
				Min N	-287.03	30.91	-67.27	-8.47	-43.36	-3.54	LC 1-5
				Max V _y	-207.46	31.89	-48.35	-9.22	-28.50	-7.45	LC 1-5
				Min V _y	49.36	17.61	-26.33	0.60	-2.16	-2.13	LC 1-4
				Max V _z	118.72	19.39	-6.43	-0.98	12.60	-6.86	LC 1-4
				Min V _z	-276.83	30.12	-68.25	-7.65	-43.26	-2.72	LC 1-5
				Max M _T	51.19	17.62	-25.99	0.61	-1.85	-2.18	LC 1-4
				Min M _T	-209.29	31.88	-48.69	-9.23	-28.81	-7.40	LC 1-5
				Max M _y	126.68	18.89	-6.74	-0.45	12.94	-6.40	LC 1-4
				Min M _y	-284.79	30.62	-67.94	-8.18	-43.60	-3.18	LC 1-5
				Max M _z	-71.26	19.14	-44.10	-1.25	-18.95	-0.46	LC 1-4
				Min M _z	-86.85	30.36	-30.58	-7.37	-11.71	-9.12	LC 1-5
79	RC1	42	0.000	Max N	-37.83	17.17	28.08	-2.93	-43.69	3.58	CO 13
				Min N	-53.59	18.33	39.79	-2.42	-54.20	3.46	CO 6
				Max V _y	-46.66	18.79	37.44	-2.85	-52.44	3.72	CO 5
				Min V _y	-44.76	16.71	30.42	-2.49	-45.46	3.33	CO 14
				Max V _z	-53.59	18.33	39.79	-2.42	-54.20	3.46	CO 6
				Min V _z	-42.37	17.48	27.31	-2.97	-43.96	3.50	CO 9
				Max M _T	-46.84	17.65	35.49	-2.30	-50.08	3.43	CO 2
				Min M _T	-43.47	17.66	29.84	-3.01	-45.89	3.56	CO 11
				Max M _y	-37.83	17.17	28.08	-2.93	-43.69	3.58	CO 13
				Min M _y	-53.59	18.33	39.79	-2.42	-54.20	3.46	CO 6
				Max M _z	-41.02	18.30	35.68	-2.77	-50.24	3.74	CO 7
				Min M _z	-49.30	17.01	29.65	-2.54	-45.72	3.25	CO 10
		36	2.600	Max N	-80.61	-6.37	-33.42	1.18	-48.90	-0.00	CO 7
				Min N	-92.54	-9.01	-27.91	-0.28	-45.42	-0.59	CO 10
				Max V _y	-80.61	-6.37	-33.42	1.18	-48.90	-0.00	CO 7
				Min V _y	-92.54	-9.01	-27.91	-0.28	-45.42	-0.59	CO 10
				Max V _z	-92.54	-9.01	-27.91	-0.28	-45.42	-0.59	CO 10
				Min V _z	-82.81	-8.35	-34.46	0.55	-48.56	-0.08	CO 5
				Max M _T	-80.61	-6.37	-33.42	1.18	-48.90	-0.00	CO 7



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases					
					N	V _y	V _z	M _T	M _y	M _z						
79	RC1			Min M _T	-92.54	-9.01	-27.91	▷	-0.28	-45.42	-0.59	CO 10				
				Max M _y	-89.72	-8.80	-30.07	▷	0.36	-45.23	-0.08	CO 4				
				Min M _y	-83.42	-6.58	-31.26	▷	0.57	-49.13	-0.51	CO 13				
				Max M _z	-87.04	-6.78	-31.61	▷	1.10	-46.10	0.05	CO 8				
				Min M _z	-86.10	-8.59	-29.71	▷	-0.19	-48.21	-0.65	CO 9				
				RC2	42	0.000	Max N	-25.95	12.09	19.70	▷	-2.07	-30.52	2.53	CO 27	
							Min N	-37.10	12.99	28.20	▷	-1.72	-38.17	2.46	CO 20	
							Max V _y	-32.49	▷	13.29	▷	-2.01	-36.99	2.62	CO 19	
							Min V _y	-30.56	▷	11.79	▷	-1.78	-31.69	2.36	CO 28	
							Max V _z	-37.10	12.99	▷	28.20	-1.72	-38.17	2.46	CO 20	
							Min V _z	-29.31	12.32	▷	19.13	-2.11	-30.71	2.47	CO 23	
	Max M _T	-32.11	12.48				▷	25.02	-1.64	-35.11	2.43	CO 16				
	Min M _T	-30.13	12.46				▷	21.01	-2.13	-32.14	2.51	CO 25				
	Max M _y	-25.95	12.09				▷	19.70	-2.07	-30.52	2.53	CO 27				
	Min M _y	-37.10	12.99				▷	28.20	-1.72	-38.17	2.46	CO 20				
	Max M _z	-28.31	12.93				▷	25.33	-1.95	-35.37	2.64	CO 21				
		36	2.600	Min M _z	-33.93	12.01	▷	20.69	-1.81	-31.89	2.30	CO 24				
				Max N	-56.24	-4.53	-23.87	▷	0.86	-34.34	0.03	CO 21				
				Min N	-64.60	-6.45	-19.92	▷	-0.22	-31.98	-0.41	CO 24				
				Max V _y	-56.24	▷	-4.53	-23.87	▷	0.86	-34.34	0.03	CO 21			
				Min V _y	-64.60	▷	-6.45	-19.92	▷	-0.22	-31.98	-0.41	CO 24			
				Max V _z	-64.60	▷	-6.45	-19.92	▷	-0.22	-31.98	-0.41	CO 24			
				Min V _z	-57.87	-5.99	▷	-24.64	0.39	-34.09	-0.03	CO 19				
				Max M _T	-56.24	-4.53	-23.87	▷	0.86	-34.34	0.03	CO 21				
				Min M _T	-64.60	-6.45	-19.92	▷	-0.22	-31.98	-0.41	CO 24				
				Max M _y	-62.52	-6.30	-21.52	▷	0.25	-31.83	-0.04	CO 18				
					42	0.000	Min M _y	-58.33	-4.68	-22.27	▷	0.40	-34.52	-0.35	CO 27	
	Max M _z	-60.53	-4.80				-22.66	▷	0.80	-32.48	0.06	CO 22				
	Min M _z	-60.31	-6.17				-21.12	▷	-0.16	-33.83	-0.45	CO 23				
	Max N	57.04	8.08				-22.51	▷	-0.57	4.92	1.15	LC 1-4				
	Min N	-90.48	8.77				58.93	▷	-1.87	-50.76	2.06	LC 1-5				
	Max V _y	-36.03	▷				35.77	▷	-15.53	-28.28	11.04	LC 1-5				
	Min V _y	2.58	▷				-18.91	▷	13.08	-17.56	-7.83	LC 1-4				
	Max V _z	-90.33	7.96				▷	59.00	-1.46	-50.82	1.79	LC 1-5				
	Min V _z	56.89	8.89				▷	-22.58	-0.99	4.97	1.43	LC 1-4				
	Max M _T	4.61	-18.86				10.64	▷	13.11	-16.81	-7.84	LC 1-4				
	80							Min M _T	-38.05	35.71	25.77	▷	-15.56	-29.04	11.05	LC 1-5
				Max M _y	56.85	9.02		-22.58	▷	-1.06	4.98	1.47	LC 1-4			
				Min M _y	-90.29	7.83		59.00	▷	-1.39	-50.82	1.74	LC 1-5			
				Max M _z	-37.82	35.72		25.63	▷	-15.56	-28.95	11.06	LC 1-5			
				Min M _z	4.38	-18.87		10.78	▷	13.11	-16.90	-7.84	LC 1-4			
					36	2.600		Max N	-2.10	-5.96	8.91	▷	-0.85	19.32	-0.04	LC 1-4
								Min N	-60.94	-3.36	-44.68	▷	1.33	-58.72	0.43	LC 1-5
								Max V _y	-25.05	▷	25.85	-8.81	4.59	-9.53	-1.07	LC 1-4
								Min V _y	-38.00	▷	-35.16	-26.96	-4.12	-29.86	1.46	LC 1-5
								Max V _z	-2.30	-3.85	▷	9.17	-0.54	19.46	-0.12	LC 1-4
								Min V _z	-60.75	-5.46	▷	-44.95	1.01	-58.85	0.51	LC 1-5
		Max M _T	-35.91				24.84	-12.94	▷	4.64	-16.97	-1.11	LC 1-5			
		Min M _T	-27.13				-34.16	-22.83	▷	-4.16	-22.42	1.50	LC 1-4			
		Max M _y	-2.20				-4.52	▷	9.15	-0.64	19.50	-0.10	LC 1-4			
		Min M _y	-60.84				-4.79	-44.92	▷	1.12	-58.89	0.48	LC 1-5			
		Max M _z	-33.57				-33.39	-29.41	▷	-3.81	-31.85	1.56	LC 1-4			
		RC1	33	0.000	Min M _z	-29.48	24.07	-6.36	▷	4.29	-7.54	-1.18	LC 1-5			
					Max N	52.51	88.30	92.12	▷	24.10	-55.59	-10.32	CO 6			
					Min N	25.74	88.24	77.88	▷	24.30	-49.77	-10.71	CO 13			
					Max V _y	49.23	▷	96.11	▷	25.85	-48.42	-11.74	CO 14			
					Min V _y	29.02	▷	80.43	▷	22.26	-56.57	-9.29	CO 5			
Max V _z					29.02	▷	80.43	▷	22.26	-56.57	-9.29	CO 5				
Min V _z					49.23	▷	96.11	▷	25.85	-48.42	-11.74	CO 14				
Max M _T					49.23	▷	96.11	▷	25.85	-48.42	-11.74	CO 14				
Min M _T					29.02	80.43	93.35	▷	22.26	-56.57	-9.29	CO 5				
Max M _y					49.23	96.11	76.65	▷	25.85	-48.42	-11.74	CO 14				
Min M _y					29.02	80.43	93.35	▷	22.26	-56.57	-9.29	CO 5				
		36	3.730	Max M _z	29.02	80.43	93.35	▷	22.26	-56.57	-9.29	CO 5				
				Min M _z	49.23	96.11	76.65	▷	25.85	-48.42	-11.74	CO 14				
				Max N	40.55	32.57	-87.56	▷	-22.31	-52.96	-11.07	CO 6				
				Min N	27.87	38.68	-86.04	▷	-22.31	-53.69	-12.17	CO 9				
				Max V _y	27.87	▷	38.68	-86.04	-22.31	-53.69	-12.17	CO 9				
				Min V _y	40.07	▷	32.16	-77.47	-22.62	-46.14	-11.20	CO 8				
				Max V _z	28.22	37.71	▷	-75.85	-22.66	-46.49	-12.28	CO 13				
				Min V _z	39.72	33.13	▷	-87.66	-22.19	-53.27	-11.10	CO 4				
				Max M _T	33.02	36.89	▷	-87.60	-21.83	-53.31	-11.37	CO 3				
				Min M _T	34.92	33.95	▷	-75.91	-23.05	-46.49	-12.01	CO 14				
								Max M _y	33.37	35.92	-77.41	▷	-22.25	-46.14	-11.47	CO 7
Min M _y		27.87	38.68					-86.04	▷	-22.31	-53.69	-12.17	CO 9			
Max M _z		40.55	32.57					-87.56	▷	-22.31	-52.96	-11.07	CO 6			
Min M _z		28.22	37.71					-75.85	▷	-22.66	-46.49	-12.28	CO 13			
Max N		36.33	61.25					65.40	▷	16.71	-39.32	-7.12	CO 20			
Min N		18.24	61.79					54.76	▷	17.01	-34.99	-7.49	CO 27			
Max V _y		33.90	▷					67.03	▷	53.94	-34.11	-8.17	CO 28			
Min V _y		20.67	▷					56.01	▷	15.45	-40.02	-6.44	CO 19			
Max V _z		20.67	▷					56.01	▷	15.45	-40.02	-6.44	CO 19			
Min V _z		33.90	▷					67.03	▷	53.94	-34.11	-8.17	CO 28			
RC2		33	0.000					Max M _T	33.90	67.03	▷	53.94	-34.11	-8.17	CO 28	
				Min M _T	20.67	56.01	▷	66.22	15.45	-40.02	-6.44	CO 19				
				Max M _y	33.90	67.03	▷	53.94	-34.11	-8.17	CO 28					
				Min M _y	20.67	56.01	▷	66.22	15.45	-40.02	-6.44	CO 19				
				Max M _z	20.67	56.01	▷	66.22	15.45	-40.02	-6.44	CO 19				
				Min M _z	33.90	67.03	▷	53.94	-34.11	-8.17	CO 28					
				Max N	28.72	22.79	-61.90	▷	-15.58	-37.38	-7.71	CO 20				
				Min N	19.83	27.04	-60.78	▷	-15.60	-37.92	-8.51	CO 23				
				Max V _y	19.83	▷	27.04	-60.78	-15.60	-37.92	-8.51	CO 23				



4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member	Node			Location	Forces [kN]			Moments [kNm]			Corresponding				
No.	RC	No.	x [m]		N	V _y	V _z	M _T	M _y	M _z	Load Cases				
80	RC2			Min V _y	28.37	▷	22.48	-54.42	-15.81	-32.33	-7.81	CO 22			
				Max V _z	20.08		26.32	▷	-53.23	-15.87	-32.58	-8.58	CO 27		
				Min V _z	28.11		23.21	▷	-61.97	-15.49	-37.61	-7.73	CO 18		
				Max M _T	23.64		25.71		-61.93	▷	-15.25	-37.63	-7.91	CO 17	
				Min M _T	24.55		23.81		-53.27	▷	-16.13	-32.58	-8.40	CO 28	
				Max M _y	23.90		24.99		-54.38		-15.56	▷	-32.32	-7.99	CO 21
				Min M _y	19.83		27.04		-60.78		-15.60	▷	-37.92	-8.51	CO 23
				Max M _z	28.72		22.79		-61.90		-15.58		-37.38	-7.71	CO 20
				Min M _z	20.08		26.32		-53.23		-15.87		-32.58	-8.58	CO 27
				RC6	33	0.000	Max N	▷	35.36	-51.32	81.75	-11.08	-90.87	7.96	LC 1-5
							Min N	▷	-6.81	108.54	5.72	26.03	39.59	-13.96	LC 1-4
							Max V _y	▷	3.43	173.41	36.54	42.26	-25.96	-23.40	LC 1-5
	Min V _y	▷	25.12				-116.19	50.92	-27.31	-25.32	17.40	LC 1-4			
	Max V _z	▷	32.88				79.36	▷	90.92	20.74	-133.05	-11.05	LC 1-5		
	Min V _z	▷	-4.34				-22.13	▷	-3.45	-5.80	81.77	5.04	LC 1-4		
	Max M _T	▷	3.50				173.17	36.80	▷	42.31	-26.65	-23.45	LC 1-5		
	Min M _T	▷	25.04				-115.95	50.67	▷	-27.37	-24.63	17.45	LC 1-4		
	Max M _y	▷	-3.68				-32.02	-3.08	▷	-8.16	82.50	6.44	LC 1-4		
	Min M _y	▷	32.22				89.24	90.54	▷	23.10	-133.78	-12.45	LC 1-5		
	Max M _z	▷	24.95				-115.80	50.51	▷	-27.36	-24.26	17.46	LC 1-4		
	Min M _z	▷	3.60				173.03	36.96	▷	42.31	-27.02	-23.46	LC 1-5		
		36	3.730	Max N	▷	64.96	22.41	-11.33	-7.16	1.37	-6.73	LC 1-5			
				Min N	▷	-29.64	3.54	-67.60	-9.89	-48.25	-1.25	LC 1-4			
				Max V _y	▷	51.14	▷	32.71	-36.21	-7.46	-13.43	-6.47	LC 1-5		
				Min V _y	▷	-15.83	▷	-6.76	-42.71	-9.59	-33.44	-1.50	LC 1-4		
				Max V _z	▷	60.27	14.82	▷	-1.68	-4.93	6.61	-5.17	LC 1-4		
				Min V _z	▷	-24.96	11.13	▷	-77.25	-12.12	-53.48	-2.80	LC 1-5		
				Max M _T	▷	56.53	27.12	▷	-20.12	-4.62	-2.45	-5.38	LC 1-4		
				Min M _T	▷	-21.22	-1.17	▷	-58.81	-12.43	-44.43	-2.60	LC 1-5		
				Max M _y	▷	62.64	16.90	-2.12	-4.73	7.12	-5.33	LC 1-4			
				Min M _y	▷	-27.33	9.06	-76.81	-12.32	-53.99	-2.64	LC 1-5			
				Max M _z	▷	-22.92	-5.43	-50.62	-9.92	-39.12	-1.22	LC 1-4			
				Min M _z	▷	58.23	31.38	-28.31	-7.13	-7.75	-6.76	LC 1-5			
84	RC1	76	0.000	Max N	▷	65.77	81.96	-1.79	-2.90	-8.51	13.83	CO 5			
				Min N	▷	47.17	67.74	3.09	-3.78	-12.51	14.11	CO 10			
				Max V _y	▷	65.75	82.01	-1.65	-2.88	-8.73	13.89	CO 7			
				Min V _y	▷	47.17	67.74	3.09	-3.78	-12.51	14.11	CO 10			
				Max V _z	▷	47.17	67.74	3.09	-3.78	-12.51	14.11	CO 10			
				Min V _z	▷	65.77	81.96	-1.79	-2.90	-8.51	13.83	CO 5			
				Max M _T	▷	54.65	72.01	1.00	-2.72	-9.60	12.89	CO 13			
				Min M _T	▷	58.27	77.74	0.44	-3.94	-11.64	15.11	CO 4			
				Max M _y	▷	65.77	81.96	-1.79	-2.90	-8.51	13.83	CO 5			
				Min M _y	▷	47.17	67.74	3.09	-3.78	-12.51	14.11	CO 10			
				Max M _z	▷	58.26	77.79	0.59	-3.93	-11.86	15.17	CO 2			
				Min M _z	▷	54.66	71.96	0.86	-2.73	-9.39	12.83	CO 11			
		74	2.700	Max N	▷	3.50	26.99	-17.21	11.17	-14.89	7.13	CO 13			
				Min N	▷	0.20	24.69	-18.81	10.68	-15.59	7.93	CO 6			
				Max V _y	▷	3.26	27.31	-20.17	11.45	-16.66	7.76	CO 7			
				Min V _y	▷	0.54	24.33	-15.54	10.44	-13.60	7.29	CO 10			
				Max V _z	▷	0.54	24.33	-15.54	10.44	-13.60	7.29	CO 10			
				Min V _z	▷	2.81	26.71	-20.40	11.35	-16.95	7.94	CO 5			
				Max M _T	▷	3.34	27.26	-19.87	11.48	-16.44	7.75	CO 1			
				Min M _T	▷	0.45	24.37	-15.84	10.41	-13.82	7.30	CO 12			
				Max M _y	▷	0.90	24.97	-15.62	10.51	-13.53	7.13	CO 14			
				Min M _y	▷	2.81	26.71	-20.40	11.35	-16.95	7.94	CO 5			
				Max M _z	▷	2.81	26.71	-20.40	11.35	-16.95	7.94	CO 5			
				Min M _z	▷	0.90	24.97	-15.62	10.51	-13.53	7.13	CO 14			
RC2	76	0.000	Max N	▷	47.71	60.10	-0.83	-2.15	-6.91	10.41	CO 19				
			Min N	▷	34.45	49.88	2.64	-2.72	-9.67	10.53	CO 24				
			Max V _y	▷	47.70	60.14	-0.73	-2.13	-7.07	10.45	CO 21				
			Min V _y	▷	34.45	49.88	2.64	-2.72	-9.67	10.53	CO 24				
			Max V _z	▷	34.45	49.88	2.64	-2.72	-9.67	10.53	CO 24				
			Min V _z	▷	47.71	60.10	-0.83	-2.15	-6.91	10.41	CO 19				
			Max M _T	▷	39.48	52.74	1.23	-2.01	-7.71	9.71	CO 27				
			Min M _T	▷	42.67	57.28	0.68	-2.84	-9.03	11.28	CO 18				
			Max M _y	▷	47.71	60.10	-0.83	-2.15	-6.91	10.41	CO 19				
			Min M _y	▷	34.45	49.88	2.64	-2.72	-9.67	10.53	CO 24				
			Max M _z	▷	42.66	57.32	0.78	-2.83	-9.19	11.32	CO 16				
			Min M _z	▷	39.49	52.70	1.13	-2.02	-7.55	9.67	CO 25				
	74	2.700	Max N	▷	2.72	19.38	-12.22	8.19	-10.52	5.13	CO 27				
			Min N	▷	0.46	17.83	-13.52	7.87	-11.14	5.73	CO 20				
			Max V _y	▷	2.53	19.61	-14.42	8.39	-11.83	5.60	CO 21				
			Min V _y	▷	0.72	17.56	-11.11	7.70	-9.66	5.25	CO 24				
			Max V _z	▷	0.72	17.56	-11.11	7.70	-9.66	5.25	CO 24				
			Min V _z	▷	2.20	19.17	-14.59	8.32	-12.05	5.73	CO 19				
			Max M _T	▷	2.60	19.57	-14.20	8.42	-11.67	5.59	CO 15				
			Min M _T	▷	0.65	17.59	-11.33	7.67	-9.83	5.26	CO 26				
			Max M _y	▷	0.98	18.03	-11.16	7.75	-9.61	5.13	CO 28				
			Min M _y	▷	2.20	19.17	-14.59	8.32	-12.05	5.73	CO 19				
			Max M _z	▷	2.20	19.17	-14.59	8.32	-12.05	5.73	CO 19				
			Min M _z	▷	0.98	18.03	-11.16	7.75	-9.61	5.13	CO 28				
RC6	76	0.000	Max N	▷	178.75	128.98	-52.19	7.81	-12.06	-9.82	LC 1-5				
			Min N	▷	-99.29	-19.35	58.12	-12.06	-71.51	32.80	LC 1-4				
			Max V _y	▷	169.51	136.43	-54.01	9.61	56.17	-11.19	LC 1-5				
			Min V _y	▷	-90.06	-26.80	59.94	-13.85	-78.56	34.17	LC 1-4				
			Max V _z	▷	-94.28	-26.10	60.33	-13.59	-77.86	34.18	LC 1-4				
			Min V _z	▷	173.74	135.73	-54.40	9.34	55.47	-11.20	LC 1-5				
			Max M _T	▷	166.38	136.08	-53.38	9.67	56.12	-11.05	LC 1-5				
			Min M _T	▷	-86.92	-26.44	59.31	-13.91	-78.51	34.03	LC 1-4				
			Max M _y	▷	168.83	136.31	-53.89	9.64	56.28	-11.20	LC 1-5				
			Min M _y	▷	-89.37	-26.67	59.82	-13.88	-78.67	34.18	LC 1-4				
			Max M _z	▷	-92.10	-26.50	60.18	-13.76	-78.43	34.25	LC 1-4				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z		
84	RC6	74	2.700	Min M _z	171.55	136.13	-54.24	9.52	56.04	-11.27	LC 1-5
				Max N	37.95	127.78	14.80	37.86	11.98	3.81	LC 1-4
				Min N	-30.94	-99.53	-35.93	-22.89	-28.28	5.23	LC 1-5
				Max V _y	28.68	165.64	-13.99	42.76	-18.05	8.27	LC 1-5
				Min V _y	-21.67	-137.39	-7.14	-27.79	1.75	0.76	LC 1-4
				Max V _z	25.11	-25.90	41.51	5.33	45.06	-2.74	LC 1-4
				Min V _z	-18.10	54.15	-62.63	9.64	-61.35	11.77	LC 1-5
				Max M _T	31.23	164.29	-9.18	43.11	-13.33	7.52	LC 1-4
				Min M _T	-24.22	-136.04	-11.95	-28.14	-2.96	1.52	LC 1-5
				Max M _y	22.50	-39.46	41.19	2.09	45.33	-2.98	LC 1-4
				Min M _y	-15.49	67.70	-62.32	12.87	-61.63	12.01	LC 1-5
				Max M _z	-6.40	105.26	-57.89	22.43	-58.87	12.52	LC 1-5
94	RC1	67	0.000	Min M _z	13.41	-77.01	36.77	-7.46	42.57	-3.48	LC 1-4
				Max N	-12.67	-27.92	16.36	4.95	-1.86	-7.49	CO 13
				Min N	-31.71	-29.45	19.82	5.66	-3.23	-7.93	CO 6
				Max V _y	-26.27	-27.11	17.63	5.22	-3.23	-7.20	CO 14
				Min V _y	-17.99	-30.27	18.54	5.39	-1.85	-8.22	CO 3
				Max V _z	-31.71	-29.45	19.82	5.66	-3.23	-7.93	CO 6
				Min V _z	-12.67	-27.92	16.36	4.95	-1.86	-7.49	CO 13
				Max M _T	-31.71	-29.45	19.82	5.66	-3.23	-7.93	CO 6
				Min M _T	-12.67	-27.92	16.36	4.95	-1.86	-7.49	CO 13
		Max M _y	-15.51	-30.16	18.06	5.37	-1.52	-8.24	CO 1		
		Min M _y	-28.75	-27.22	18.10	5.24	-3.56	-7.19	CO 12		
		Max M _z	-28.63	-27.23	18.09	5.23	-3.55	-7.18	CO 10		
		Min M _z	-15.63	-30.15	18.08	5.37	-1.53	-8.24	CO 7		
		145	0.650	Max N	25.59	-7.33	13.10	7.56	1.91	-0.18	CO 1
				Min N	8.71	-6.40	13.09	7.20	0.68	-0.17	CO 12
				Max V _y	21.47	-6.29	11.86	7.24	1.34	-0.18	CO 9
				Min V _y	12.83	-7.44	14.33	7.52	1.25	-0.17	CO 8
				Max V _z	10.96	-7.43	14.72	7.54	1.10	-0.17	CO 6
				Min V _z	23.26	-6.30	11.48	7.22	1.49	-0.19	CO 13
				Max M _T	23.72	-7.32	13.49	7.57	1.76	-0.17	CO 3
				Min M _T	10.59	-6.41	12.69	7.19	0.84	-0.18	CO 14
	Max M _y			25.59	-7.33	13.10	7.56	1.91	-0.18	CO 1	
	Min M _y			8.71	-6.40	13.09	7.20	0.68	-0.17	CO 12	
	Max M _z			11.04	-7.42	14.71	7.54	1.10	-0.16	CO 4	
	Min M _z			23.26	-6.30	11.48	7.22	1.49	-0.19	CO 13	
	RC2	67	0.000	Max N	-9.16	-20.59	11.79	3.66	-1.33	-5.53	CO 27
				Min N	-22.25	-21.78	14.25	4.17	-2.25	-5.88	CO 20
				Max V _y	-18.22	-20.04	12.63	3.84	-2.25	-5.34	CO 28
				Min V _y	-13.10	-22.32	13.40	3.99	-1.33	-6.07	CO 17
				Max V _z	-22.25	-21.78	14.25	4.17	-2.25	-5.88	CO 20
				Min V _z	-9.16	-20.59	11.79	3.66	-1.33	-5.53	CO 27
				Max M _T	-22.25	-21.78	14.25	4.17	-2.25	-5.88	CO 20
				Min M _T	-9.16	-20.59	11.79	3.66	-1.33	-5.53	CO 27
				Max M _y	-11.26	-22.24	13.05	3.97	-1.09	-6.08	CO 15
				Min M _y	-20.06	-20.13	12.99	3.86	-2.49	-5.33	CO 26
				Max M _z	-19.97	-20.13	12.98	3.86	-2.49	-5.32	CO 24
				Min M _z	-11.35	-22.23	13.06	3.98	-1.09	-6.08	CO 21
		145	0.650	Max N	18.47	-5.38	9.39	5.60	1.39	-0.14	CO 15
				Min N	6.93	-4.68	9.29	5.34	0.53	-0.14	CO 26
				Max V _y	15.43	-4.61	8.47	5.36	0.97	-0.14	CO 23
				Min V _y	9.97	-5.45	10.21	5.58	0.96	-0.14	CO 22
				Max V _z	8.58	-5.45	10.50	5.59	0.84	-0.13	CO 20
				Min V _z	16.76	-4.62	8.19	5.35	1.08	-0.15	CO 27
				Max M _T	17.09	-5.37	9.68	5.61	1.28	-0.14	CO 17
				Min M _T	8.32	-4.69	9.00	5.33	0.65	-0.14	CO 28
				Max M _y	18.47	-5.38	9.39	5.60	1.39	-0.14	CO 15
				Min M _y	6.93	-4.68	9.29	5.34	0.53	-0.14	CO 26
				Max M _z	8.64	-5.44	10.49	5.59	0.84	-0.13	CO 18
				Min M _z	16.76	-4.62	8.19	5.35	1.08	-0.15	CO 27
	RC6	67	0.000	Max N	96.99	-21.00	-4.22	1.77	13.56	-6.77	LC 1-4
				Min N	-121.41	-21.54	25.65	6.14	-15.73	-4.92	LC 1-5
				Max V _y	-1.83	-15.62	15.29	1.98	-6.51	-1.63	LC 1-5
				Min V _y	-22.59	-26.92	6.13	5.93	4.34	-10.06	LC 1-4
				Max V _z	-114.70	-19.80	26.63	5.44	-16.99	-3.63	LC 1-5
				Min V _z	90.28	-22.74	-5.21	2.46	14.82	-8.06	LC 1-4
				Max M _T	-65.24	-26.26	12.70	6.59	-2.32	-9.13	LC 1-4
				Min M _T	40.82	-16.28	8.73	1.31	0.15	-2.56	LC 1-5
				Max M _y	88.58	-22.97	-5.18	2.56	14.85	-8.21	LC 1-4
				Min M _y	-113.00	-19.57	26.61	5.35	-17.02	-3.48	LC 1-5
				Max M _z	-19.22	-15.75	17.70	2.30	-8.83	-1.50	LC 1-5
				Min M _z	-5.20	-26.79	3.73	5.60	6.65	-10.19	LC 1-4
		145	0.650	Max N	107.89	-4.01	-5.71	5.20	8.49	-0.38	LC 1-4
				Min N	-83.59	-5.85	20.09	5.96	-6.42	-0.03	LC 1-5
				Max V _y	33.11	-0.33	6.42	4.00	-0.52	0.50	LC 1-5
				Min V _y	-8.81	-9.53	7.96	7.17	2.59	-0.92	LC 1-4
				Max V _z	-82.51	-5.24	20.23	5.76	-6.77	0.07	LC 1-5
				Min V _z	106.81	-4.62	-5.84	5.40	8.85	-0.48	LC 1-4
				Max M _T	-14.51	-9.51	8.75	7.17	2.10	-0.90	LC 1-4
				Min M _T	38.81	-0.34	5.63	3.99	-0.02	0.48	LC 1-5
Max M _y				101.63	-5.55	-5.53	5.72	9.08	-0.62	LC 1-4	
Min M _y				-77.33	-4.31	19.91	5.45	-7.01	0.21	LC 1-5	
Max M _z				2.29	-0.58	10.57	4.12	-2.95	0.57	LC 1-5	
Min M _z				22.02	-9.27	3.81	7.05	5.03	-0.98	LC 1-4	
95	RC1	68	0.000	Max N	-59.36	-34.57	36.42	8.41	-12.22	-6.72	CO 11
				Min N	-81.16	-37.90	46.26	9.21	-15.49	-7.22	CO 2
				Max V _y	-59.44	-34.51	36.42	8.40	-12.22	-6.71	CO 9
				Min V _y	-80.16	-37.97	46.20	9.22	-15.43	-7.23	CO 6
				Max V _z	-81.08	-37.96	46.26	9.22	-15.49	-7.23	CO 8
				Min V _z	-59.44	-34.51	36.42	8.40	-12.22	-6.71	CO 9
				Max M _T	-81.08	-37.96	46.26	9.22	-15.49	-7.23	CO 8



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases			
				N	V _y	V _z	M _T	M _y	M _z					
95	RC1	116	0.508	Min M _T	-59.44	-34.51	36.42	▷	8.40	-12.22	-6.71	CO 9		
				Max M _y	-59.44	-34.51	36.42		8.40	▷	-12.22	-6.71	CO 9	
				Min M _y	-81.08	-37.96	46.26		9.22	▷	-15.49	-7.23	CO 8	
				Max M _z	-59.44	-34.51	36.42		8.40	▷	-12.22	-6.71	CO 9	
				Min M _z	-81.08	-37.96	46.26		9.22	▷	-15.49	-7.23	CO 8	
				Max N	▷	-18.35	-6.47	▷	26.19	6.52	-2.89	0.71	CO 11	
				Min N	▷	-28.05	-7.87	▷	35.40	7.12	-3.61	0.91	CO 2	
				Max V _y	▷	-18.43	-6.46	▷	26.20	6.51	-2.89	0.71	CO 9	
				Min V _y	▷	-27.97	-7.88	▷	35.39	7.13	-3.61	0.91	CO 8	
				Max V _z	▷	-28.05	-7.87	▷	35.40	7.12	-3.61	0.91	CO 2	
				Min V _z	▷	-18.35	-6.47	▷	26.19	6.52	-2.89	0.71	CO 11	
				Max M _T	▷	-27.28	-7.87	▷	35.28	7.14	-3.54	0.91	CO 6	
				Min M _T	▷	-18.43	-6.46	▷	26.20	6.51	-2.89	0.71	CO 9	
				Max M _y	▷	-18.43	-6.46	▷	26.20	6.51	-2.89	0.71	CO 9	
				Min M _y	▷	-27.97	-7.88	▷	35.39	7.13	-3.61	0.91	CO 8	
				Max M _z	▷	-27.28	-7.87	▷	35.28	7.14	-3.54	0.91	CO 6	
				RC2	68	0.000	Min M _z	-18.43	-6.46	26.20	6.51	-2.89	▷	0.71
	Max N	▷	-43.90				-25.17	▷	26.66	6.16	-8.95	-4.88	CO 25	
	Min N	▷	-59.64				-27.60	▷	33.91	6.74	-11.34	-5.25	CO 16	
	Max V _y	▷	-43.96				-25.13	▷	26.65	6.15	-8.95	-4.87	CO 23	
	Min V _y	▷	-58.90				-27.66	▷	33.87	6.75	-11.30	-5.26	CO 20	
	Max V _z	▷	-59.58				-27.65	▷	33.91	6.75	-11.34	-5.26	CO 22	
	Min V _z	▷	-43.96				-25.13	▷	26.65	6.15	-8.95	-4.87	CO 23	
	Max M _T	▷	-59.58				-27.65	▷	33.91	6.75	-11.34	-5.26	CO 22	
	Min M _T	▷	-43.96				-25.13	▷	26.65	6.15	-8.95	-4.87	CO 23	
	Max M _y	▷	-43.96				-25.13	▷	26.65	6.15	-8.95	-4.87	CO 23	
	Min M _y	▷	-59.58				-27.65	▷	33.91	6.75	-11.34	-5.26	CO 22	
	Max M _z	▷	-43.96				-25.13	▷	26.65	6.15	-8.95	-4.87	CO 23	
	116	0.508	Min M _z		-59.58	-27.65	33.91	6.75	-11.34	▷	-5.26	CO 22		
			Max N		▷	-13.91	-4.69	▷	19.13	4.76	-2.13	0.52	CO 25	
			Min N		▷	-20.69	-5.72	▷	25.94	5.19	-2.65	0.67	CO 16	
			Max V _y		▷	-13.98	-4.69	▷	19.14	4.75	-2.13	0.52	CO 23	
			Min V _y		▷	-20.62	-5.73	▷	25.93	5.20	-2.65	0.67	CO 22	
			Max V _z		▷	-20.69	-5.72	▷	25.94	5.19	-2.65	0.67	CO 16	
			Min V _z		▷	-13.91	-4.69	▷	19.13	4.76	-2.13	0.52	CO 25	
			Max M _T		▷	-20.12	-5.73	▷	25.85	5.21	-2.60	0.67	CO 20	
			Min M _T		▷	-13.98	-4.69	▷	19.14	4.75	-2.13	0.52	CO 23	
			Max M _y		▷	-13.98	-4.69	▷	19.14	4.75	-2.13	0.52	CO 23	
			Min M _y		▷	-20.62	-5.73	▷	25.93	5.20	-2.65	0.67	CO 22	
			Max M _z		▷	-20.12	-5.73	▷	25.85	5.21	-2.60	0.67	CO 20	
	RC6	68	0.000	Min M _z	-13.98	-4.69	19.14	4.75	-2.13	▷	0.52	CO 23		
				Max N	▷	16.63	-18.92	▷	11.23	4.83	3.36	-4.95	LC 1-5	
				Min N	▷	-123.30	-29.08	▷	49.58	7.44	-23.42	-4.04	LC 1-4	
				Max V _y	▷	-30.33	-11.01	▷	23.65	3.46	-5.15	-1.79	LC 1-4	
				Min V _y	▷	-76.34	-36.99	▷	37.15	8.81	-14.91	-7.20	LC 1-5	
				Max V _z	▷	-123.19	-29.24	▷	49.61	7.47	-23.43	-4.07	LC 1-4	
				Min V _z	▷	16.52	-18.76	▷	11.20	4.80	3.36	-4.91	LC 1-5	
				Max M _T	▷	-76.35	-36.82	▷	37.11	8.84	-14.92	-7.15	LC 1-5	
				Min M _T	▷	-30.32	-11.17	▷	23.69	3.43	-5.15	-1.84	LC 1-4	
				Max M _y	▷	16.54	-18.63	▷	11.22	4.77	3.37	-4.88	LC 1-5	
				Min M _y	▷	-123.20	-29.37	▷	49.59	7.50	-23.44	-4.11	LC 1-4	
				Max M _z	▷	-60.02	-12.77	▷	31.85	3.93	-10.86	-1.48	LC 1-4	
				Min M _z	▷	-46.64	-35.23	▷	28.96	8.34	-9.21	-7.51	LC 1-5	
				Max N	▷	42.19	-5.77	▷	9.29	3.77	3.83	0.39	LC 1-5	
				Min N	▷	-78.99	-3.92	▷	36.69	5.39	-8.45	0.83	LC 1-4	
				Max V _y	▷	-25.34	-1.64	▷	23.94	2.82	-2.37	0.44	LC 1-4	
				96	RC1	71	0.000	Min V _y	-11.46	-8.05	22.04	6.35	-2.25	▷
	Max V _z	▷	-78.68					-4.12	▷	36.77	5.42	-8.44	0.87	LC 1-4
	Min V _z	▷	41.88					-5.57	▷	9.21	3.74	3.82	0.35	LC 1-5
	Max M _T	▷	-34.89					-7.13	▷	27.03	6.81	-4.70	0.69	LC 1-5
	Min M _T	▷	-1.91					-2.56	▷	18.95	2.36	0.08	0.53	LC 1-4
	Max M _y	▷	41.77					-5.55	▷	9.33	3.57	3.88	0.40	LC 1-5
	Min M _y	▷	-78.58					-4.14	▷	36.65	5.59	-8.50	0.82	LC 1-4
	Max M _z	▷	-41.74					-6.50	▷	29.11	4.91	-4.61	1.20	LC 1-4
	Min M _z	▷	4.93					-3.19	▷	16.87	4.25	-0.00	0.01	LC 1-5
Max N	▷	-87.22	-31.68					▷	28.74	3.20	-11.50	-6.09	CO 14	
Min N	▷	-108.45	-32.10					▷	31.45	3.90	-13.14	-6.16	CO 5	
Max V _y	▷	-87.71	-29.82					▷	27.20	3.49	-10.79	-5.80	CO 13	
Min V _y	▷	-107.96	-33.95					▷	32.99	3.61	-13.85	-6.45	CO 6	
Max V _z	▷	-107.96	-33.95					▷	32.99	3.61	-13.85	-6.45	CO 6	
Min V _z	▷	-87.71	-29.82					▷	27.20	3.49	-10.79	-5.80	CO 13	
Max M _T	▷	-106.52	-31.93					▷	31.27	3.92	-13.04	-6.13	CO 7	
RC2	138	0.517	Min M _T					-89.03	-31.81	28.90	3.18	-11.59	▷	-6.11
			Max M _y		▷	-87.71	-29.82	▷	27.20	3.49	-10.79	-5.80	CO 13	
			Min M _y		▷	-107.96	-33.95	▷	32.99	3.61	-13.85	-6.45	CO 6	
			Max M _z		▷	-87.71	-29.82	▷	27.20	3.49	-10.79	-5.80	CO 13	
			Min M _z		▷	-107.96	-33.95	▷	32.99	3.61	-13.85	-6.45	CO 6	
			Max N		▷	-44.17	-9.19	▷	25.06	6.33	-4.54	-0.96	CO 14	
			Min N		▷	-62.22	-10.20	▷	28.31	6.86	-5.00	-1.15	CO 5	
			Max V _y		▷	-46.93	-9.14	▷	24.26	6.35	-3.89	-1.07	CO 13	
			Min V _y		▷	-59.46	-10.26	▷	29.11	6.84	-5.64	-1.04	CO 6	
			Max V _z		▷	-59.46	-10.26	▷	29.11	6.84	-5.64	-1.04	CO 6	
			Min V _z		▷	-46.93	-9.14	▷	24.26	6.35	-3.89	-1.07	CO 13	
			Max M _T		▷	-62.22	-10.20	▷	28.31	6.86	-5.00	-1.15	CO 5	
	71	0.000	Min M _T		▷	-45.68	-9.20	▷	25.16	6.33	-4.62	-0.96	CO 10	
			Max M _y		▷	-46.93	-9.14	▷	24.26	6.35	-3.89	-1.07	CO 13	
			Min M _y		▷	-59.46	-10.26	▷	29.11	6.84	-5.64	-1.04	CO 6	
			Max M _z		▷	-45.68	-9.20	▷	25.16	6.33	-4.62	-0.96	CO 10	
			Min M _z		▷	-60.61	-10.19	▷	28.19	6.85	-4.90	-1.15	CO 7	
			Max N		▷	-63.95	-23.24	▷	21.01	2.38	-8.44	-4.46	CO 28	
			Min N		▷	-79.64	-23.69	▷	23.14	2.88	-9.70	-4.53	CO 19	
			Max V _y		▷	-64.28	-22.01	▷	19.99	2.57	-7.96	-4.27	CO 27	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
96	RC2			Min V _y	-79.31	▷ -24.92	24.16	2.68	-10.18	-4.73	CO 20
				Max V _z	-79.31	▷ -24.92	24.16	2.68	-10.18	-4.73	CO 20
				Min V _z	-64.28	▷ -22.01	19.99	2.57	-7.96	-4.27	CO 27
				Max M _T	-78.21	▷ -23.56	23.00	▷ 2.89	-9.63	-4.51	CO 21
				Min M _T	-65.29	▷ -23.34	21.13	▷ 2.36	-8.50	-4.48	CO 24
				Max M _y	-64.28	▷ -22.01	19.99	▷ 2.57	-7.96	-4.27	CO 27
				Min M _y	-79.31	▷ -24.92	24.16	▷ 2.68	-10.18	-4.73	CO 20
				Max M _z	-64.28	▷ -22.01	19.99	▷ 2.57	-7.96	-4.27	CO 27
				Min M _z	-79.31	▷ -24.92	24.16	▷ 2.68	-10.18	-4.73	CO 20
		138	0.517	Max N	▷ -32.50	-6.77	18.34	4.67	-3.32	-0.72	CO 28
				Min N	▷ -45.67	-7.51	20.81	5.05	-3.71	-0.84	CO 19
				Max V _y	▷ -34.34	▷ -6.73	17.81	4.68	-2.89	-0.78	CO 27
				Min V _y	▷ -43.83	▷ -7.55	21.34	5.05	-4.14	-0.77	CO 20
				Max V _z	▷ -43.83	▷ -7.55	21.34	5.05	-4.14	-0.77	CO 20
				Min V _z	▷ -34.34	▷ -6.73	17.81	4.68	-2.89	-0.78	CO 27
				Max M _T	▷ -45.67	-7.51	20.81	▷ 5.05	-3.71	-0.84	CO 19
				Min M _T	▷ -33.62	-6.77	18.42	▷ 4.67	-3.38	-0.71	CO 24
				Max M _y	▷ -34.34	-6.73	17.81	▷ 4.68	-2.89	-0.78	CO 27
				Min M _y	▷ -43.83	-7.55	21.34	▷ 5.05	-4.14	-0.77	CO 20
				Max M _z	▷ -33.62	-6.77	18.42	▷ 4.67	-3.38	-0.71	CO 24
				Min M _z	▷ -44.48	-7.51	20.71	▷ 5.05	-3.63	-0.85	CO 21
	RC6	71	0.000	Max N	▷ 235.08	-16.96	-25.48	0.34	34.94	-11.01	LC 1-4
				Min N	▷ -383.02	-28.98	69.04	5.14	-53.86	2.41	LC 1-5
				Max V _y	▷ 224.84	▷ -16.78	-22.47	0.03	32.51	-10.18	LC 1-4
				Min V _y	▷ -372.78	▷ -29.16	66.03	5.45	-51.43	1.57	LC 1-5
				Max V _z	▷ -381.32	▷ -28.86	69.36	4.96	-53.98	2.59	LC 1-5
				Min V _z	▷ 233.37	▷ -17.08	-25.80	0.52	35.06	-11.19	LC 1-4
				Max M _T	▷ -338.82	-28.50	58.97	▷ 5.81	-45.62	0.23	LC 1-4
				Min M _T	▷ 190.87	-17.44	-15.41	▷ -0.33	26.70	-8.83	LC 1-5
				Max M _y	▷ 234.19	-17.05	-25.76	▷ 0.47	35.09	-11.15	LC 1-4
				Min M _y	▷ -382.13	-28.89	69.32	▷ 5.01	-54.01	2.55	LC 1-5
				Max M _z	▷ -374.31	-28.50	68.82	▷ 4.80	-53.43	2.70	LC 1-4
				Min M _z	▷ 226.36	-17.44	-25.26	▷ 0.68	34.51	-11.30	LC 1-5
		138	0.517	Max N	▷ 234.12	-7.76	-16.19	4.13	24.11	-1.63	LC 1-4
				Min N	▷ -318.70	-6.55	54.92	5.53	-31.72	0.09	LC 1-5
				Max V _y	▷ -89.83	▷ -3.45	28.07	2.98	-12.84	0.80	LC 1-4
				Min V _y	▷ 5.26	▷ -10.87	10.66	6.67	5.24	-2.34	LC 1-5
				Max V _z	▷ -318.22	-6.39	54.99	5.44	-31.87	0.15	LC 1-5
				Min V _z	▷ 233.65	▷ -7.93	-16.26	4.22	24.27	-1.70	LC 1-4
				Max M _T	▷ -74.76	-10.67	20.98	▷ 6.86	-2.88	-2.08	LC 1-5
				Min M _T	▷ -9.82	-3.65	17.75	▷ 2.80	-4.72	0.54	LC 1-4
				Max M _y	▷ 232.50	-8.06	-16.20	▷ 4.30	24.31	-1.75	LC 1-4
				Min M _y	▷ -317.08	-6.25	54.93	▷ 5.36	-31.92	0.20	LC 1-5
				Max M _z	▷ -153.05	-3.58	36.01	▷ 3.29	-18.91	0.89	LC 1-4
				Min M _z	▷ 68.48	-10.73	2.72	▷ 6.36	11.31	-2.43	LC 1-5
97	RC1	78	0.000	Max N	▷ -18.43	-4.61	10.37	2.67	-3.73	-2.13	CO 14
				Min N	▷ -38.84	-7.59	16.89	3.35	-7.26	-2.59	CO 5
				Max V _y	▷ -21.78	-4.27	11.44	2.74	-4.34	-2.04	CO 10
				Min V _y	▷ -35.44	▷ -7.91	15.81	3.25	-6.65	-2.66	CO 7
				Max V _z	▷ -38.84	-7.59	16.89	3.35	-7.26	-2.59	CO 5
				Min V _z	▷ -18.43	-4.61	10.37	▷ 2.67	-3.73	-2.13	CO 14
				Max M _T	▷ -38.84	-7.59	16.89	▷ 3.35	-7.26	-2.59	CO 5
				Min M _T	▷ -18.43	-4.61	10.37	▷ 2.67	-3.73	-2.13	CO 14
				Max M _y	▷ -18.43	-4.61	10.37	▷ 2.67	-3.73	-2.13	CO 14
				Min M _y	▷ -38.84	-7.59	16.89	▷ 3.35	-7.26	-2.59	CO 5
				Max M _z	▷ -21.78	-4.27	11.44	▷ 2.74	-4.34	-2.04	CO 10
				Min M _z	▷ -35.44	-7.91	15.81	▷ 3.25	-6.65	-2.66	CO 7
		83	0.928	Max N	▷ 0.84	-1.57	4.52	1.31	-0.08	0.29	CO 14
				Min N	▷ -6.55	-2.38	9.77	1.86	-0.72	0.46	CO 3
				Max V _y	▷ -0.36	-1.55	5.53	1.23	-0.18	0.29	CO 10
				Min V _y	▷ -5.35	-2.41	8.76	1.94	-0.62	0.46	CO 7
				Max V _z	▷ -6.52	-2.40	9.79	1.87	-0.71	0.46	CO 5
				Min V _z	▷ 0.84	-1.57	4.52	▷ 1.31	-0.08	0.29	CO 14
				Max M _T	▷ -5.35	-2.41	8.76	▷ 1.94	-0.62	0.46	CO 7
				Min M _T	▷ -0.36	-1.55	5.53	▷ 1.23	-0.18	0.29	CO 10
				Max M _y	▷ 0.84	-1.57	4.52	▷ 1.31	-0.08	0.29	CO 14
				Min M _y	▷ -6.55	-2.38	9.77	▷ 1.86	-0.72	0.46	CO 3
				Max M _z	▷ -6.52	-2.40	9.79	▷ 1.87	-0.71	0.46	CO 5
				Min M _z	▷ 0.84	-1.57	4.52	▷ 1.31	-0.08	0.29	CO 14
	RC2	78	0.000	Max N	▷ -13.36	-3.49	7.55	1.93	-2.76	-1.55	CO 28
				Min N	▷ -28.07	-5.68	12.26	2.41	-5.26	-1.89	CO 19
				Max V _y	▷ -15.84	-3.24	8.34	1.99	-3.21	-1.49	CO 24
				Min V _y	▷ -25.55	-5.91	11.45	2.33	-4.80	-1.94	CO 21
				Max V _z	▷ -28.07	-5.68	12.26	2.41	-5.26	-1.89	CO 19
				Min V _z	▷ -13.36	-3.49	7.55	▷ 1.93	-2.76	-1.55	CO 28
				Max M _T	▷ -28.07	-5.68	12.26	▷ 2.41	-5.26	-1.89	CO 19
				Min M _T	▷ -13.36	-3.49	7.55	▷ 1.93	-2.76	-1.55	CO 28
				Max M _y	▷ -13.36	-3.49	7.55	▷ 1.93	-2.76	-1.55	CO 28
				Min M _y	▷ -28.07	-5.68	12.26	▷ 2.41	-5.26	-1.89	CO 19
				Max M _z	▷ -15.84	-3.24	8.34	▷ 1.99	-3.21	-1.49	CO 24
				Min M _z	▷ -25.55	-5.91	11.45	▷ 2.33	-4.80	-1.94	CO 21
		83	0.928	Max N	▷ 0.49	-1.12	3.21	0.98	-0.09	0.21	CO 28
				Min N	▷ -4.74	-1.72	7.00	1.38	-0.52	0.33	CO 17
				Max V _y	▷ -0.41	-1.10	3.96	0.93	-0.16	0.21	CO 24
				Min V _y	▷ -3.85	-1.74	6.25	1.43	-0.45	0.33	CO 21
				Max V _z	▷ -4.72	-1.73	7.01	1.39	-0.52	0.33	CO 19
				Min V _z	▷ 0.49	-1.12	3.21	▷ 0.98	-0.09	0.21	CO 28
				Max M _T	▷ -3.85	-1.74	6.25	▷ 1.43	-0.45	0.33	CO 21
				Min M _T	▷ -0.41	-1.10	3.96	▷ 0.93	-0.16	0.21	CO 24
				Max M _y	▷ 0.49	-1.12	3.21	▷ 0.98	-0.09	0.21	CO 28
				Min M _y	▷ -4.74	-1.72	7.00	▷ 1.38	-0.52	0.33	CO 17
				Max M _z	▷ -4.72	-1.73	7.01	▷ 1.39	-0.52	0.33	CO 19



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
97	RC2 RC6	78	0.000	Min M _z	0.49	-1.12	3.21	0.98	-0.09	0.21	CO 28
				Max N	145.72	7.28	-35.84	2.42	32.50	-3.95	LC 1-4
				Min N	-190.83	-19.24	56.45	1.14	-41.20	0.67	LC 1-5
				Max V _y	93.57	23.38	-29.56	9.19	22.96	-2.07	LC 1-5
				Min V _y	-138.68	-35.34	50.18	-5.63	-31.66	-1.20	LC 1-4
				Max V _z	-190.07	-20.05	56.68	0.84	-41.20	0.64	LC 1-5
				Min V _z	144.95	8.09	-36.06	2.72	32.50	-3.91	LC 1-4
				Max M _T	39.60	21.33	-15.75	9.76	11.42	-1.25	LC 1-5
				Min M _T	-84.71	-33.29	36.37	-6.20	-20.12	-2.03	LC 1-4
				Max M _y	145.43	7.60	-35.98	2.54	32.56	-3.95	LC 1-4
				Min M _y	-190.55	-19.56	56.60	1.02	-41.26	0.67	LC 1-5
				Max M _z	-163.96	-11.16	46.72	3.15	-35.08	0.93	LC 1-4
		83	0.928	Min M _z	118.85	-0.80	-26.11	0.40	26.38	-4.20	LC 1-5
				Max N	112.82	-2.86	-27.94	1.79	10.42	-0.36	LC 1-4
				Min N	-120.63	0.22	38.29	0.92	-11.37	0.92	LC 1-5
				Max V _y	-78.59	2.03	28.44	0.96	-9.45	0.91	LC 1-4
				Min V _y	70.78	-4.67	-18.09	1.75	8.51	-0.36	LC 1-5
				Max V _z	-120.46	0.28	38.34	0.92	-11.41	0.93	LC 1-5
				Min V _z	112.65	-2.92	-27.99	1.79	10.47	-0.37	LC 1-4
				Max M _T	84.21	-4.43	-21.89	1.81	9.47	-0.40	LC 1-4
				Min M _T	-92.03	1.79	32.24	0.90	-10.41	0.96	LC 1-5
				Max M _y	112.20	-2.98	-27.94	1.79	10.49	-0.37	LC 1-4
				Min M _y	-120.01	0.34	38.29	0.92	-11.43	0.93	LC 1-5
				Max M _z	-91.56	1.85	32.16	0.90	-10.42	0.96	LC 1-5
98	RC1	82	0.000	Min M _z	83.74	-4.49	-21.81	1.80	9.48	-0.41	LC 1-4
				Max N	-21.80	-11.55	23.49	3.11	-7.36	-2.35	CO 12
				Min N	-35.46	-15.53	30.48	4.88	-10.06	-2.95	CO 1
				Max V _y	-21.90	-11.44	23.45	3.08	-7.35	-2.32	CO 10
				Min V _y	-33.38	-15.67	30.16	4.89	-9.87	-3.00	CO 5
				Max V _z	-35.37	-15.64	30.52	4.91	-10.07	-2.97	CO 7
				Min V _z	-21.90	-11.44	23.45	3.08	-7.35	-2.32	CO 10
				Max M _T	-35.37	-15.64	30.52	4.91	-10.07	-2.97	CO 7
				Min M _T	-21.90	-11.44	23.45	3.08	-7.35	-2.32	CO 10
				Max M _y	-21.90	-11.44	23.45	3.08	-7.35	-2.32	CO 10
				Min M _y	-35.37	-15.64	30.52	4.91	-10.07	-2.97	CO 7
				Max M _z	-21.90	-11.44	23.45	3.08	-7.35	-2.32	CO 10
		91	0.183	Min M _z	-33.38	-15.67	30.16	4.89	-9.87	-3.00	CO 5
				Max N	-21.80	-11.55	22.93	3.11	-3.13	-0.24	CO 12
				Min N	-35.46	-15.53	29.92	4.89	-4.55	-0.11	CO 1
				Max V _y	-21.90	-11.44	22.89	3.08	-3.13	-0.24	CO 10
				Min V _y	-33.38	-15.67	29.61	4.89	-4.42	-0.14	CO 5
				Max V _z	-35.37	-15.64	29.97	4.91	-4.55	-0.12	CO 7
				Min V _z	-21.90	-11.44	22.89	3.08	-3.13	-0.24	CO 10
				Max M _T	-35.37	-15.64	29.97	4.91	-4.55	-0.12	CO 7
				Min M _T	-21.90	-11.44	22.89	3.08	-3.13	-0.24	CO 10
				Max M _y	-21.90	-11.44	22.89	3.08	-3.13	-0.24	CO 10
				Min M _y	-35.37	-15.64	29.97	4.91	-4.55	-0.12	CO 7
				Max M _z	-35.46	-15.53	29.92	4.89	-4.55	-0.11	CO 1
	RC2	82	0.000	Min M _z	-21.80	-11.55	22.93	3.11	-3.13	-0.24	CO 12
				Max N	-16.24	-8.30	17.27	2.24	-5.43	-1.68	CO 26
				Min N	-26.27	-11.23	22.40	3.55	-7.39	-2.12	CO 15
				Max V _y	-16.31	-8.22	17.23	2.22	-5.42	-1.66	CO 24
				Min V _y	-24.73	-11.33	22.16	3.55	-7.25	-2.16	CO 19
				Max V _z	-26.20	-11.31	22.43	3.57	-7.40	-2.14	CO 21
				Min V _z	-16.31	-8.22	17.23	2.22	-5.42	-1.66	CO 24
				Max M _T	-26.20	-11.31	22.43	3.57	-7.40	-2.14	CO 21
				Min M _T	-16.31	-8.22	17.23	2.22	-5.42	-1.66	CO 24
				Max M _y	-16.31	-8.22	17.23	2.22	-5.42	-1.66	CO 24
				Min M _y	-26.20	-11.31	22.43	3.57	-7.40	-2.14	CO 21
				Max M _z	-16.31	-8.22	17.23	2.22	-5.42	-1.66	CO 24
		91	0.183	Min M _z	-24.73	-11.33	22.16	3.55	-7.25	-2.16	CO 19
				Max N	-16.24	-8.30	16.85	2.24	-2.31	-0.17	CO 26
				Min N	-26.27	-11.23	21.99	3.55	-3.34	-0.07	CO 15
				Max V _y	-16.31	-8.22	16.82	2.22	-2.31	-0.16	CO 24
				Min V _y	-24.73	-11.33	21.75	3.55	-3.24	-0.09	CO 19
				Max V _z	-26.20	-11.30	22.02	3.57	-3.34	-0.08	CO 21
				Min V _z	-16.31	-8.22	16.82	2.22	-2.31	-0.16	CO 24
				Max M _T	-26.20	-11.30	22.02	3.57	-3.34	-0.08	CO 21
				Min M _T	-16.31	-8.22	16.82	2.22	-2.31	-0.16	CO 24
				Max M _y	-16.31	-8.22	16.82	2.22	-2.31	-0.16	CO 24
				Min M _y	-26.20	-11.30	22.02	3.57	-3.34	-0.08	CO 21
				Max M _z	-26.27	-11.23	21.99	3.55	-3.34	-0.07	CO 15
98	RC6	82	0.000	Min M _z	-16.24	-8.30	16.85	2.24	-2.31	-0.17	CO 26
				Max N	32.63	-7.54	6.16	3.13	3.24	-2.41	LC 1-5
				Min N	-81.58	-10.51	35.33	2.75	-16.75	-0.88	LC 1-4
				Max V _y	-40.21	2.11	22.38	-0.67	-8.98	1.66	LC 1-4
				Min V _y	-8.73	-20.16	19.11	6.55	-4.52	-4.96	LC 1-5
				Max V _z	-80.58	-11.52	35.46	3.00	-16.77	-1.16	LC 1-5
				Min V _z	31.63	-6.53	6.03	2.87	3.26	-2.14	LC 1-4
				Max M _T	-2.95	-19.96	17.58	6.61	-3.50	-5.02	LC 1-5
				Min M _T	-46.00	1.91	23.91	-0.74	-10.01	1.72	LC 1-4
				Max M _y	31.88	-6.92	6.07	2.99	3.29	-2.25	LC 1-4
				Min M _y	-80.83	-11.13	35.42	2.89	-16.80	-1.04	LC 1-5
				Max M _z	-52.19	1.59	25.52	-0.67	-11.11	1.77	LC 1-4
		91	0.183	Min M _z	3.24	-19.64	15.97	6.55	-2.39	-5.06	LC 1-5
				Max N	32.63	-7.54	5.75	3.13	4.33	-1.04	LC 1-5
				Min N	-81.58	-10.51	34.91	2.75	-10.34	1.04	LC 1-4
				Max V _y	-40.21	2.11	21.96	-0.67	-4.94	1.28	LC 1-4
				Min V _y	-8.73	-20.16	18.70	6.55	-1.07	-1.28	LC 1-5
				Max V _z	-80.58	-11.52	35.04	3.00	-10.34	0.95	LC 1-5
				Min V _z	31.63	-6.53	5.62	2.87	4.33	-0.95	LC 1-4
				Max M _T	-2.95	-19.96	17.16	6.61	-0.33	-1.37	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member				Node				Location				Forces [kN]				Moments [kNm]				Corresponding	
No.	RC	No.	x [m]		N	V _y	V _z		M _T	M _y	M _z							Load Cases			
98	RC6			Min M _T	-46.00	1.91	23.50	▷	-0.74	-5.68	1.37							LC 1-4			
				Max M _y	31.89	-7.04	5.68		3.02	4.36	-1.00							LC 1-4			
				Min M _y	-80.84	-11.01	34.98		2.85	-10.37	1.00							LC 1-5			
				Max M _z	-68.65	-0.48	29.68		-0.25	-8.64	1.64							LC 1-4			
				Min M _z	19.70	-17.57	10.98		6.12	2.63	-1.64							LC 1-5			
99	RC1	86	0.000	Max N	▷ -47.65	-10.94	21.57	2.37	-9.27	-2.28								CO 14			
				Min N	▷ -61.40	-14.64	27.78	2.51	-11.15	-2.87								CO 5			
				Max V _y	▷ -48.47	▷ -10.67	21.43	2.49	-9.26	-2.29									CO 10		
				Min V _y	▷ -60.16	▷ -14.84	27.81	2.38	-11.08	-2.85									CO 7		
				Max V _z	▷ -60.16	▷ -14.84	▷ 27.81	2.38	▷ -11.08	-2.85									CO 7		
				Min V _z	▷ -48.47	-10.67	▷ 21.43	2.49	▷ -9.26	-2.29									CO 10		
				Max M _T	-56.96	-14.01	26.31	▷	2.74	-10.07	-3.03								CO 6		
				Min M _T	-52.09	-11.57	23.05	▷	2.14	-10.36	-2.11								CO 13		
				Max M _y	-48.47	-10.67	21.43	▷	2.49	▷ -9.26	-2.29								CO 10		
				Min M _y	-61.40	-14.64	27.78	2.51	▷ -11.15	-2.87									CO 5		
				Max M _z	-52.09	-11.57	23.05	2.14	▷ -10.36	-2.11									CO 13		
				Min M _z	-56.96	-14.01	26.31	2.74	▷ -10.07	-3.03									CO 6		
				96	0.933	Max N	▷ -1.22	-2.53	16.23	2.29	-0.71	0.60									CO 2
						Min N	▷ -10.44	-1.48	13.78	1.89	-1.50	0.45									CO 11
						Max V _y	▷ -9.31	-1.45	13.71	1.86	-1.46	0.46									CO 13
						Min V _y	▷ -2.61	-2.56	16.38	2.34	-0.78	0.60									CO 6
						Max V _z	-5.49	-2.44	▷ 17.34	2.26	-1.12	0.63									CO 5
						Min V _z	-7.31	-1.60	▷ 12.74	1.95	-1.13	0.42									CO 10
						Max M _T	-2.61	-2.56	16.38	▷	2.34	-0.78	0.60								CO 6
						Min M _T	-9.31	-1.45	13.71	▷	1.86	-1.46	0.46								CO 13
	Max M _y	-1.22	-2.53			16.23	2.29	▷ -0.71	0.60									CO 2			
	Min M _y	-10.44	-1.48			13.78	1.89	▷ -1.50	0.45									CO 11			
	RC2	86	0.000	Max M _z	-4.36	-2.41	17.28	2.23	-1.09	0.63								CO 7			
				Min M _z	-7.31	-1.60	12.74	1.95	-1.13	0.42									CO 10		
				Max N	▷ -34.10	-7.98	15.61	1.72	-6.67	-1.66									CO 28		
				Min N	▷ -43.95	-10.67	20.10	1.84	-7.98	-2.11									CO 19		
				Max V _y	▷ -34.71	-7.78	15.51	1.81	-6.66	-1.67									CO 24		
				Min V _y	▷ -43.03	-10.82	20.12	1.75	-7.93	-2.10									CO 21		
				Max V _z	▷ -43.03	-10.82	▷ 20.12	1.75	▷ -7.93	-2.10									CO 21		
				Min V _z	-34.71	-7.78	▷ 15.51	1.81	-6.66	-1.67									CO 24		
				Max M _T	-40.99	-10.25	19.12	2.00	-7.26	-2.22									CO 20		
				Min M _T	-37.06	-8.40	16.60	▷	1.57	-7.39	-1.55								CO 27		
	96	0.933	Max M _y	-34.71	-7.78	15.51	1.81	-6.66	-1.67									CO 24			
			Min M _y	-43.95	-10.67	20.10	1.84	-7.98	-2.11									CO 19			
			Max M _z	-37.06	-8.40	16.60	1.57	-7.39	-1.55									CO 27			
			Min M _z	-40.99	-10.25	19.12	2.00	-7.26	-2.22									CO 20			
			Max N	▷ -0.45	-1.84	11.72	1.67	-0.49	0.44									CO 16			
			Min N	▷ -7.06	-1.08	9.84	1.38	-1.05	0.33									CO 25			
			Max V _y	▷ -6.23	-1.05	9.79	1.36	-1.02	0.33									CO 27			
			Min V _y	-1.48	-1.87	11.83	1.71	-0.54	0.44									CO 20			
			Max V _z	-3.39	-1.78	▷ 12.47	1.66	-0.77	0.46									CO 19			
			Min V _z	-4.96	-1.15	▷ 9.13	1.42	-0.80	0.30									CO 24			
			Max M _T	-1.48	-1.87	11.83	▷	1.71	-0.54	0.44								CO 20			
			Min M _T	-6.23	-1.05	9.79	▷	1.36	-1.02	0.33								CO 27			
			Max M _y	-0.45	-1.84	11.72	1.67	-0.49	0.44									CO 16			
			Min M _y	-7.06	-1.08	9.84	1.38	-1.05	0.33									CO 25			
			Max M _z	-2.56	-1.76	12.42	1.63	-0.74	0.46									CO 21			
			Min M _z	-4.96	-1.15	9.13	1.42	-0.80	0.30									CO 24			
			RC6	86	0.000	Max N	▷ 153.39	-3.84	-27.58	-0.57	32.54	-5.46								LC 1-4	
						Min N	▷ -216.14	-14.39	59.91	3.94	-43.91	1.47									LC 1-5
Max V _y						▷ 30.17	▷ 0.66	-4.57	5.67	9.53	-4.74									LC 1-4	
Min V _y						▷ -92.91	▷ -18.88	36.90	-2.30	-20.90	0.75									LC 1-5	
Max V _z	-214.85	-15.27				▷ 60.27	3.44	-43.90	1.57									LC 1-5			
Min V _z	152.10	-2.95				▷ -27.93	-0.06	32.52	-5.56									LC 1-4			
Max M _T	-54.14	-1.85				15.25	▷	-7.74	-3.38									LC 1-5			
Min M _T	-8.61	-16.37				17.09	▷	-3.49	-3.63	-0.60								LC 1-4			
Max M _y	153.02	-3.47				-27.82	-0.33	32.62	-5.54									LC 1-4			
Min M _y	-215.76	-14.76				60.15	3.71	-43.99	1.56									LC 1-5			
Max M _z	-204.11	-14.06				57.61	3.35	-41.92	1.77									LC 1-4			
Min M _z	141.36	-4.17				-25.27	0.03	30.54	▷ -5.76									LC 1-5			
96	0.933	Max N				▷ 135.70	-2.44	-25.00	1.24	11.21	-0.05									LC 1-4	
		Min N				▷ -131.60	-0.68	43.83	1.74	-11.76	0.83									LC 1-5	
		Max V _y				▷ -40.93	▷ 0.54	22.90	0.19	-5.57	0.92									LC 1-4	
		Min V _y				▷ 45.03	▷ -3.67	-4.08	2.79	5.02	-0.14									LC 1-5	
		Max V _z				-131.29	-0.57	▷ 43.92	1.66	-11.83	0.86									LC 1-5	
		Min V _z				135.39	-2.55	▷ -25.09	1.32	11.29	-0.08									LC 1-4	
		Max M _T				-8.66	-3.41	9.60	▷	2.96	0.49	0.02								LC 1-5	
		Min M _T				12.76	0.28	9.22	▷	0.02	-1.04	0.76								LC 1-4	
		Max M _y	134.77	-2.63	-25.04	1.38	▷ 11.30	-0.09									LC 1-4				
		Min M _y	-130.67	-0.49	43.87	1.60	▷ -11.85	0.87									LC 1-5				
RC1	88	0.000	Max M _z	-55.88	0.50	26.68	0.35	-6.73	0.94								LC 1-5				
			Min M _z	59.98	-3.62	-7.86	2.64	6.19	▷ -0.15								LC 1-4				
			Max N	▷ -57.49	-23.70	18.47	5.20	-7.29	-4.53								CO 12				
			Min N	▷ -72.58	-30.95	29.70	6.69	-10.14	-5.74								CO 1				
			Max V _y	▷ -57.49	▷ -23.70	18.47	5.20	-7.29	-4.53								CO 12				
			Min V _y	▷ -72.58	▷ -30.95	29.70	6.69	-10.14	-5.74								CO 1				
			Max V _z	-72.58	-30.95	▷ 29.70	6.69	-10.14	-5.74								CO 1				
			Min V _z	-57.49	-23.70	▷ 18.47	5.20	-7.29	-4.53								CO 12				
			Max M _T	-72.44	-30.87	29.62	▷	6.70	-10.11	-5.73								CO 7			
			Min M _T	-57.63	-23.77	18.55	▷	5.20	-7.33	-4.55								CO 10			
92	3.110	Max M _y	-57.49	-23.70	18.47	5.20	-7.29	-4.53									CO 12				
		Min M _y	-72.58	-30.95	29.70	6.69	-10.14	-5.74									CO 1				
		Max M _z	-59.21	-23.73	19.33	5.33	-7.83	-4.48									CO 11				
		Min M _z	-70.86	-30.91	28.84	6.57	-9.61	-5.79									CO 2				
		Max N	▷ -10.70	5.86	-4.16	-4.66	-1.35	-3.38									CO 13				
		Min N	▷ -18.33	8.39	-7.87	-4.93	-3.01	-3.83									CO 6				
		Max V _y	▷ -18.33	▷ 8.39	-7.87	-4.93	-3.01	-3.83									CO 6				

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
100	RC1			Min V _y	-10.70	5.86	-4.16	-4.66	-1.35	-3.38	CO 13
				Max V _z	-10.70	5.86	-4.16	-4.66	-1.35	-3.38	CO 13
				Min V _z	-18.33	8.39	-7.87	-4.93	-3.01	-3.83	CO 6
				Max M _T	-14.19	6.57	-5.39	-4.39	-2.27	-3.22	CO 14
				Min M _T	-14.68	7.66	-6.58	-5.21	-2.04	-4.00	CO 3
				Max M _y	-10.70	5.86	-4.16	-4.66	-1.35	-3.38	CO 13
				Min M _y	-18.33	8.39	-7.87	-4.93	-3.01	-3.83	CO 6
				Max M _z	-14.19	6.57	-5.39	-4.39	-2.27	-3.22	CO 14
				Min M _z	-14.68	7.66	-6.58	-5.21	-2.04	-4.00	CO 3
				Max N	-42.98	-17.44	13.76	3.80	-5.45	-3.33	CO 26
	RC2	88	0.000	Min N	-54.02	-22.80	22.02	4.89	-7.52	-4.23	CO 15
				Max V _y	-42.98	-17.44	13.76	3.80	-5.45	-3.33	CO 26
				Min V _y	-54.02	-22.80	22.02	4.89	-7.52	-4.23	CO 15
				Max V _z	-54.02	-22.80	22.02	4.89	-7.52	-4.23	CO 15
				Min V _z	-42.98	-17.44	13.76	3.80	-5.45	-3.33	CO 26
				Max M _T	-53.92	-22.75	21.96	4.89	-7.49	-4.22	CO 21
				Min M _T	-43.08	-17.49	13.82	3.80	-5.48	-3.34	CO 24
				Max M _y	-42.98	-17.44	13.76	3.80	-5.45	-3.33	CO 26
				Min M _y	-54.02	-22.80	22.02	4.89	-7.52	-4.23	CO 15
				Max M _z	-44.12	-17.46	14.33	3.88	-5.81	-3.30	CO 25
		92	3.110	Min M _z	-52.88	-22.78	21.44	4.81	-7.16	-4.26	CO 16
				Max N	-7.59	4.30	-3.03	-3.40	-0.96	-2.47	CO 27
				Min N	-12.99	6.11	-5.69	-3.62	-2.12	-2.81	CO 20
				Max V _y	-12.99	6.11	-5.69	-3.62	-2.12	-2.81	CO 20
				Min V _y	-7.59	4.30	-3.03	-3.40	-0.96	-2.47	CO 27
				Max V _z	-7.59	4.30	-3.03	-3.40	-0.96	-2.47	CO 27
				Min V _z	-12.99	6.11	-5.69	-3.62	-2.12	-2.81	CO 20
				Max M _T	-9.92	4.77	-3.85	-3.22	-1.57	-2.36	CO 28
				Min M _T	-10.55	5.63	-4.82	-3.81	-1.47	-2.93	CO 17
				Max M _y	-7.59	4.30	-3.03	-3.40	-0.96	-2.47	CO 27
	RC6	88	0.000	Min M _y	-12.99	6.11	-5.69	-3.62	-2.12	-2.81	CO 20
				Max M _z	-9.92	4.77	-3.85	-3.22	-1.57	-2.36	CO 28
				Min M _z	-10.55	5.63	-4.82	-3.81	-1.47	-2.93	CO 17
				Max N	-1.11	-16.80	1.85	4.93	1.82	-3.92	LC 1-5
				Min N	-108.34	-26.05	41.65	3.68	-16.64	-4.01	LC 1-4
				Max V _y	-1.93	-16.72	2.07	5.08	1.58	-3.87	LC 1-5
				Min V _y	-107.52	-26.13	41.43	3.52	-16.41	-4.05	LC 1-4
				Max V _z	-108.29	-26.07	41.66	3.65	-16.63	-4.01	LC 1-4
				Min V _z	-1.16	-16.78	1.83	4.95	1.81	-3.91	LC 1-5
				Max M _T	-34.67	-18.38	13.79	8.32	-6.72	-3.32	LC 1-5
		92	3.110	Min M _T	-74.78	-24.48	29.71	0.28	-8.11	-4.61	LC 1-4
				Max M _y	-2.36	-17.02	2.35	4.45	1.98	-3.98	LC 1-5
				Min M _y	-107.09	-25.83	41.15	4.15	-16.80	-3.94	LC 1-4
				Max M _z	-39.04	-18.51	15.39	7.99	-7.20	-3.26	LC 1-5
				Min M _z	-70.42	-24.34	28.11	0.61	-7.62	-4.66	LC 1-4
				Max N	71.92	2.23	16.32	-2.17	16.32	-3.87	LC 1-4
				Min N	-88.07	8.28	-25.39	-4.58	-18.67	-1.35	LC 1-5
				Max V _y	7.15	20.91	-11.78	5.81	-3.40	0.22	LC 1-5
				Min V _y	-23.30	-10.40	2.71	-12.57	1.05	-5.44	LC 1-4
				Max V _z	64.83	-2.04	17.58	-4.77	16.29	-4.59	LC 1-4
101	RC1	92	0.000	Min V _z	-80.98	12.54	-26.65	-1.99	-18.64	-0.63	LC 1-5
				Max M _T	25.12	19.98	-7.40	6.33	0.04	0.44	LC 1-4
				Min M _T	-41.27	-9.48	-1.66	-13.08	-2.39	-5.66	LC 1-5
				Max M _y	70.12	0.34	17.21	-3.28	16.60	-4.22	LC 1-4
				Min M _y	-86.27	10.16	-26.28	-3.47	-18.96	-1.00	LC 1-5
				Max M _z	16.52	17.99	-8.69	5.39	-1.78	0.84	LC 1-4
				Min M _z	-32.67	-7.49	-0.37	-12.14	-0.57	-6.06	LC 1-5
				Max N	-50.47	-11.53	20.71	2.14	-10.82	-1.97	CO 14
				Min N	-60.14	-13.83	25.48	2.30	-13.10	-2.15	CO 3
				Max V _y	-51.96	-11.38	20.79	2.22	-10.93	-1.94	CO 12
		94	5.035	Min V _y	-58.65	-13.98	25.40	2.21	-12.99	-2.18	CO 1
				Max V _z	-60.14	-13.83	25.48	2.30	-13.10	-2.15	CO 3
				Min V _z	-50.47	-11.53	20.71	2.14	-10.82	-1.97	CO 14
				Max M _T	-56.35	-13.16	24.33	2.58	-12.11	-2.33	CO 6
				Min M _T	-54.22	-12.19	21.84	1.88	-11.78	-1.81	CO 13
				Max M _y	-50.47	-11.53	20.71	2.14	-10.82	-1.97	CO 14
				Min M _y	-60.14	-13.83	25.48	2.30	-13.10	-2.15	CO 3
				Max M _z	-55.74	-12.05	21.94	1.95	-11.92	-1.76	CO 9
				Min M _z	-54.87	-13.31	24.25	2.49	-12.00	-2.36	CO 8
				Max N	-23.29	8.42	-14.58	-2.15	-5.50	-1.85	CO 9
	RC2	92	0.000	Min N	-45.12	11.00	-21.61	-2.74	-9.94	-2.12	CO 6
				Max V _y	-40.18	11.47	-20.96	-2.34	-9.20	-2.15	CO 7
				Min V _y	-28.23	8.20	-15.46	-2.47	-6.37	-1.86	CO 10
				Max V _z	-23.29	8.42	-14.58	-2.15	-5.50	-1.85	CO 9
				Min V _z	-45.12	11.25	-21.83	-2.66	-10.07	-2.15	CO 8
				Max M _T	-23.47	8.68	-14.84	-2.08	-5.66	-1.90	CO 13
				Min M _T	-45.12	11.00	-21.61	-2.74	-9.94	-2.12	CO 6
				Max M _y	-23.29	8.42	-14.58	-2.15	-5.50	-1.85	CO 9
				Min M _y	-45.12	11.25	-21.83	-2.66	-10.07	-2.15	CO 8
				Max M _z	-23.29	8.42	-14.58	-2.15	-5.50	-1.85	CO 9
				Min M _z	-45.12	11.25	-21.83	-2.66	-10.07	-2.15	CO 8
				Max N	-36.81	-8.52	15.27	1.54	-7.94	-1.44	CO 28
				Min N	-43.69	-10.17	18.72	1.67	-9.56	-1.59	CO 17
				Max V _y	-37.91	-8.40	15.33	1.60	-8.02	-1.42	CO 26
				Min V _y	-42.60	-10.28	18.66	1.61	-9.48	-1.61	CO 15
				Max V _z	-43.69	-10.17	18.72	1.67	-9.56	-1.59	CO 17
				Min V _z	-36.81	-8.52	15.27	1.54	-7.94	-1.44	CO 28
				Max M _T	-41.17	-9.72	17.95	1.86	-8.90	-1.70	CO 20
				Min M _T	-39.31	-8.96	16.02	1.36	-8.58	-1.33	CO 27
				Max M _y	-36.81	-8.52	15.27	1.54	-7.94	-1.44	CO 28
				Min M _y	-43.69	-10.17	18.72	1.67	-9.56	-1.59	CO 17
				Max M _z	-40.43	-8.85	16.10	1.41	-8.68	-1.30	CO 23



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
101	RC2	94	5.035	Min M _z	-40.07	-9.84	17.90	1.80	-8.82	-1.73	CO 22	
				Max N	-17.71	6.27	-10.94	-1.56	-4.20	-1.35	CO 23	
				Min N	-33.51	8.19	-16.08	-1.98	-7.42	-1.55	CO 20	
				Max V _y	-30.21	8.52	-15.66	-1.70	-6.94	-1.57	CO 21	
				Min V _y	-21.00	6.12	-11.52	-1.77	-4.78	-1.35	CO 24	
				Max V _z	-17.71	6.27	-10.94	-1.56	-4.20	-1.35	CO 23	
				Min V _z	-33.51	8.38	-16.24	-1.91	-7.52	-1.57	CO 22	
				Max M _T	-17.84	6.46	-11.13	-1.51	-4.32	-1.38	CO 27	
				Min M _T	-33.51	8.19	-16.08	-1.98	-7.42	-1.55	CO 20	
				Max M _y	-17.71	6.27	-10.94	-1.56	-4.20	-1.35	CO 23	
				Min M _y	-33.51	8.38	-16.24	-1.91	-7.52	-1.57	CO 22	
				Max M _z	-17.71	6.27	-10.94	-1.56	-4.20	-1.35	CO 23	
		92	0.000	Min M _z	-33.51	8.38	-16.24	-1.91	-7.52	-1.57	CO 22	
				Max N	120.54	-3.82	-15.41	0.06	24.39	-4.66	LC 1-4	
				Min N	-193.88	-15.16	50.25	2.85	-41.05	1.60	LC 1-5	
				Max V _y	12.14	0.22	1.96	6.14	4.66	-4.33	LC 1-5	
				Min V _y	-85.47	-19.21	32.87	-3.23	-21.33	1.27	LC 1-4	
				Max V _z	-192.37	-16.24	50.62	2.18	-41.08	1.74	LC 1-5	
				Min V _z	119.03	-2.75	-15.79	0.73	24.41	-4.81	LC 1-4	
				Max M _T	-54.00	-1.94	15.53	7.02	-8.91	-3.23	LC 1-5	
				Min M _T	-19.34	-17.05	19.30	-4.11	-7.75	0.17	LC 1-4	
				Max M _y	120.01	-3.31	-15.69	0.43	24.51	-4.81	LC 1-4	
				Min M _y	-193.34	-15.68	50.52	2.48	-41.18	1.74	LC 1-5	
				Max M _z	-178.98	-14.60	47.65	2.07	-38.59	2.08	LC 1-5	
	94	5.035	Min M _z	105.64	-4.39	-12.82	0.84	21.93	-5.14	LC 1-4		
			Max N	120.88	-0.64	17.82	-1.45	25.37	-4.64	LC 1-5		
			Min N	-188.91	17.64	-51.01	-1.55	-41.09	1.95	LC 1-4		
			Max V _y	-155.91	22.20	-46.24	1.84	-35.95	1.86	LC 1-4		
			Min V _y	87.88	-5.19	13.05	-4.84	20.23	-4.55	LC 1-5		
			Max V _z	119.79	-1.63	18.02	-2.04	25.52	-4.76	LC 1-5		
			Min V _z	-187.81	18.64	-51.21	-0.96	-41.23	2.08	LC 1-4		
			Max M _T	-21.10	19.50	-18.64	5.21	-9.30	0.24	LC 1-4		
			Min M _T	-46.92	-2.49	-14.55	-8.22	-6.42	-2.93	LC 1-5		
			Max M _y	119.97	-1.40	18.00	-1.96	25.54	-4.80	LC 1-5		
			Min M _y	-187.99	18.41	-51.19	-1.04	-41.26	2.11	LC 1-4		
			Max M _z	-161.39	19.60	-46.68	1.05	-37.18	2.64	LC 1-4		
	102	RC1	94	0.000	Min M _z	93.37	-2.59	13.49	-4.05	21.46	-5.33	LC 1-5
					Max N	-12.21	-8.77	8.51	2.51	-2.42	-2.78	CO 13
					Min N	-21.61	-9.15	11.80	3.96	-3.81	-3.53	CO 6
					Max V _y	-17.92	-8.52	10.20	2.77	-3.48	-2.76	CO 14
					Min V _y	-15.90	-9.40	10.11	3.70	-2.75	-3.55	CO 5
					Max V _z	-21.61	-9.15	11.80	3.96	-3.81	-3.53	CO 6
					Min V _z	-12.21	-8.77	8.51	2.51	-2.42	-2.78	CO 13
					Max M _T	-20.46	-8.62	11.52	4.02	-3.65	-3.43	CO 8
					Min M _T	-13.11	-9.30	8.66	2.44	-2.53	-2.88	CO 9
					Max M _y	-12.21	-8.77	8.51	2.51	-2.42	-2.78	CO 13
					Min M _y	-21.61	-9.15	11.80	3.96	-3.81	-3.53	CO 6
					Max M _z	-17.92	-8.52	10.20	2.77	-3.48	-2.76	CO 14
90			3.110	Min M _z	-15.64	-9.39	9.97	3.69	-2.69	-3.56	CO 3	
				Max N	-51.34	23.55	-8.72	-5.32	2.41	-5.85	CO 14	
				Min N	-73.42	32.58	-21.21	-6.82	-1.48	-7.34	CO 3	
				Max V _y	-73.29	32.81	-21.29	-6.92	-1.54	-7.41	CO 1	
				Min V _y	-51.47	23.32	-8.63	-5.23	2.47	-5.78	CO 12	
				Max V _z	-51.47	23.32	-8.63	-5.23	2.47	-5.78	CO 12	
				Min V _z	-73.29	32.81	-21.29	-6.92	-1.54	-7.41	CO 1	
				Max M _T	-59.84	24.54	-11.15	-5.13	0.86	-5.87	CO 11	
				Min M _T	-64.92	31.59	-18.78	-7.02	0.07	-7.32	CO 2	
				Max M _y	-51.47	23.32	-8.63	-5.23	2.47	-5.78	CO 12	
				Min M _y	-73.29	32.81	-21.29	-6.92	-1.54	-7.41	CO 1	
				Max M _z	-52.48	23.36	-8.81	-5.24	2.35	-5.78	CO 10	
RC2	94	0.000	Min M _z	-72.28	32.77	-21.11	-6.91	-1.42	-7.41	CO 7		
			Max N	-8.77	-6.30	6.13	1.89	-1.72	-2.04	CO 27		
			Min N	-15.31	-6.60	8.45	2.95	-2.67	-2.60	CO 20		
			Max V _y	-12.57	-6.14	7.26	2.07	-2.43	-2.03	CO 28		
			Min V _y	-11.50	-6.77	7.32	2.77	-1.97	-2.62	CO 19		
			Max V _z	-15.31	-6.60	8.45	2.95	-2.67	-2.60	CO 20		
			Min V _z	-8.77	-6.30	6.13	1.89	-1.72	-2.04	CO 27		
			Max M _T	-14.46	-6.21	8.24	2.99	-2.55	-2.53	CO 22		
			Min M _T	-9.43	-6.69	6.24	1.84	-1.80	-2.12	CO 23		
			Max M _y	-8.77	-6.30	6.13	1.89	-1.72	-2.04	CO 27		
			Min M _y	-15.31	-6.60	8.45	2.95	-2.67	-2.60	CO 20		
			Max M _z	-12.57	-6.14	7.26	2.07	-2.43	-2.03	CO 28		
	90	3.110	Min M _z	-11.32	-6.76	7.22	2.77	-1.93	-2.62	CO 17		
			Max N	-39.19	17.29	-6.71	-3.91	1.57	-4.28	CO 28		
			Min N	-54.90	23.88	-15.77	-5.03	-1.20	-5.38	CO 17		
			Max V _y	-54.80	24.05	-15.84	-5.10	-1.24	-5.43	CO 15		
			Min V _y	-39.28	17.12	-6.65	-3.84	1.61	-4.23	CO 26		
			Max V _z	-39.28	17.12	-6.65	-3.84	1.61	-4.23	CO 26		
			Min V _z	-54.80	24.05	-15.84	-5.10	-1.24	-5.43	CO 15		
			Max M _T	-44.85	17.93	-8.32	-3.78	0.54	-4.29	CO 25		
			Min M _T	-49.23	23.24	-14.16	-5.17	-0.17	-5.37	CO 16		
			Max M _y	-39.28	17.12	-6.65	-3.84	1.61	-4.23	CO 26		
			Min M _y	-54.80	24.05	-15.84	-5.10	-1.24	-5.43	CO 15		
			Max M _z	-40.03	17.14	-6.78	-3.85	1.52	-4.23	CO 24		
RC6	94	0.000	Min M _z	-54.06	24.02	-15.70	-5.09	-1.15	-5.43	CO 21		
			Max N	95.38	-1.19	-33.48	2.50	20.98	-3.92	LC 1-4		
			Min N	-114.35	-9.19	45.60	3.60	-23.83	-1.04	LC 1-5		
			Max V _y	14.26	11.17	-16.25	12.53	9.29	-6.35	LC 1-4		
			Min V _y	-33.23	-21.55	28.38	-6.43	-12.14	1.38	LC 1-5		
			Max V _z	-111.56	-12.18	47.37	1.57	-24.47	-0.27	LC 1-5		
			Min V _z	92.59	1.80	-35.24	4.52	21.62	-4.70	LC 1-4		
			Max M _T	-15.78	10.21	-5.59	13.10	3.32	-6.36	LC 1-4		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases					
					N	V _y	V _z	M _T	M _y	M _z						
102	RC6	90	3.110	Min M _T	-3.19	-20.58	17.72	▷	-7.00	-6.17	1.40	LC 1-5				
				Max M _y	93.28	1.37	-35.17		4.28	21.65	-4.65	LC 1-4				
				Min M _y	-112.25	-11.74	47.30		1.82	-24.50	-0.31	LC 1-5				
				Max M _z	-36.92	-18.93	29.01		-5.69	-13.16	2.05	LC 1-4				
				Min M _z	17.96	8.56	-16.88		11.79	10.32	-7.01	LC 1-5				
				Max N	126.64	1.44	35.24		-5.01	33.40	-4.16	LC 1-5				
				Min N	-241.57	41.65	-67.27		-4.57	-37.06	-5.50	LC 1-4				
				Max V _y	-232.11	▷	42.74		-3.44	-33.88	-6.15	LC 1-4				
				Min V _y	117.19	▷	0.35		-6.14	30.22	-3.51	LC 1-5				
				Max V _z	126.61	1.48	▷	35.25		-4.99	33.45	-4.17	LC 1-5			
				Min V _z	-241.53	41.61	▷	-67.28		-4.59	-37.10	-5.49	LC 1-4			
				Max M _T	-60.68	28.68		-16.56	▷	-1.05	1.99	-7.01	LC 1-5			
				Min M _T	-54.25	14.41		-15.48	▷	-8.53	-5.64	-2.65	LC 1-4			
				Max M _y	125.84	1.99	35.07		-4.75	33.59	-4.31	LC 1-5				
				Min M _y	-240.76	41.10	-67.10		-4.83	-37.25	-5.35	LC 1-4				
				Max M _z	-35.39	12.51	-10.45		-8.40	-2.05	-2.58	LC 1-5				
				Min M _z	-79.54	30.58	-21.58		-1.18	-1.60	-7.08	LC 1-4				
				103	RC1	90	0.000	Max N	-79.44	4.64	17.10	12.09	-10.32	-2.46	CO 14	
								Min N	-99.05	2.27	19.52	13.37	-12.18	-3.50	CO 3	
								Max V _y	-79.44	▷	4.64	17.10	12.09	-10.32	-2.46	CO 14
								Min V _y	-99.05	▷	2.27	19.52	13.37	-12.18	-3.50	CO 3
								Max V _z	-99.05	2.27	▷	19.52	13.37	-12.18	-3.50	CO 3
								Min V _z	-79.44	4.64	▷	17.10	12.09	-10.32	-2.46	CO 14
								Max M _T	-93.90	4.00	18.46	▷	13.86	-11.85	-3.23	CO 6
								Min M _T	-84.35	2.96	18.10	▷	11.60	-10.61	-2.72	CO 13
								Max M _y	-79.44	4.64	17.10	12.09	▷	-10.32	-2.46	CO 14
								Min M _y	-99.05	2.27	19.52	13.37	▷	-12.18	-3.50	CO 3
Max M _z	-79.44	4.64	17.10					12.09	-10.32	▷	-2.46	CO 14				
Min M _z	-99.05	2.27	19.52					13.37	-12.18	▷	-3.50	CO 3				
Max N	-43.02	-5.73	21.93					6.07	-1.95	-0.37	CO 14					
Min N	-55.39	-7.64	25.95					7.68	-2.65	-0.20	CO 3					
Max V _y	-46.43	▷	-5.65			22.29	6.03	-2.18	-0.34	CO 13						
Min V _y	-51.97	▷	-7.72			25.59	7.73	-2.42	-0.23	CO 4						
Max V _z	-55.39	-7.64	▷			25.95	7.68	-2.65	-0.20	CO 3						
Min V _z	-43.02	-5.73	▷			21.93	6.07	-1.95	-0.37	CO 14						
Max M _T	-51.79	-7.72	25.56			▷	7.73	-2.41	-0.23	CO 6						
Min M _T	-46.43	-5.65	22.29			▷	6.03	-2.18	-0.34	CO 13						
Max M _y	-43.02	-5.73	21.93			6.07	▷	-1.95	-0.37	CO 14						
Min M _y	-55.39	-7.64	25.95			7.68	▷	-2.65	-0.20	CO 3						
Max M _z	-55.20	-7.64	25.91			7.68	▷	-2.64	-0.20	CO 5						
Min M _z	-43.02	-5.73	21.93			6.07	▷	-1.95	-0.37	CO 14						
RC2	90	0.000	Max N			-58.01	3.39	12.53	8.88	-7.54	-1.81	CO 28				
			Min N			-72.16	1.76	14.24	9.85	-8.89	-2.56	CO 17				
			Max V _y			-58.01	▷	3.39	12.53	8.88	-7.54	-1.81	CO 28			
			Min V _y			-72.16	1.76	14.24	9.85	-8.89	-2.56	CO 17				
			Max V _z			-72.16	1.76	▷	14.24	9.85	-8.89	-2.56	CO 17			
			Min V _z			-58.01	3.39	▷	12.53	8.88	-7.54	-1.81	CO 28			
			Max M _T			-68.71	2.91	13.54	▷	10.19	-8.67	-2.39	CO 20			
			Min M _T			-61.28	2.26	13.19	▷	8.55	-7.73	-1.99	CO 27			
			Max M _y			-58.01	3.39	12.53	8.88	▷	-7.54	-1.81	CO 28			
			Min M _y			-72.16	1.76	14.24	9.85	▷	-8.89	-2.56	CO 17			
			Max M _z			-58.01	3.39	12.53	8.88	▷	-7.54	-1.81	CO 28			
			Min M _z			-72.16	1.76	14.24	9.85	▷	-8.89	-2.56	CO 17			
	152	0.705	Max N			-31.37	-4.20	16.02	4.45	-1.41	-0.27	CO 28				
			Min N			-40.28	-5.62	18.97	5.64	-1.92	-0.15	CO 17				
			Max V _y			-33.64	▷	-4.14	16.26	4.42	-1.57	-0.26	CO 27			
			Min V _y			-38.00	▷	-5.67	18.73	5.67	-1.76	-0.17	CO 18			
			Max V _z			-40.28	-5.62	▷	18.97	5.64	-1.92	-0.15	CO 17			
			Min V _z			-31.37	-4.20	▷	16.02	4.45	-1.41	-0.27	CO 28			
			Max M _T			-37.86	-5.67	18.71	▷	5.67	-1.75	-0.17	CO 20			
			Min M _T			-33.64	-4.14	16.26	▷	4.42	-1.57	-0.26	CO 27			
			Max M _y			-31.37	-4.20	16.02	4.45	▷	-1.41	-0.27	CO 28			
			Min M _y			-40.28	-5.62	18.97	5.64	▷	-1.92	-0.15	CO 17			
			Max M _z			-40.14	-5.61	18.94	5.64	▷	-1.91	-0.15	CO 19			
			Min M _z			-31.37	-4.20	16.02	4.45	▷	-1.41	-0.27	CO 28			
RC6	90	0.000	Max N			65.68	11.14	-9.15	9.33	8.27	-1.77	LC 1-4				
			Min N			-187.43	-6.33	33.65	9.46	-23.76	-2.83	LC 1-5				
			Max V _y			-10.49	▷	32.11	-3.79	19.37	-5.78	2.04	LC 1-4			
			Min V _y			-111.25	▷	-27.30	28.29	-0.58	-9.71	-6.64	LC 1-5			
			Max V _z			-185.51	▷	-8.20	34.06	8.67	-23.24	-3.15	LC 1-4			
			Min V _z			63.76	13.01	▷	-9.56	10.11	7.75	-1.45	LC 1-5			
			Max M _T			-43.03	30.97		1.30	▷	19.87	-10.09	2.05	LC 1-4		
			Min M _T			-78.71	-26.17	23.20	▷	-1.08	-5.40	-6.65	LC 1-5			
			Max M _y			61.65	5.93	-7.19	7.48	▷	8.65	-2.57	LC 1-5			
			Min M _y			-183.39	-1.13	31.68	11.31	▷	-24.13	-2.03	LC 1-4			
			Max M _z			-30.97	31.59	-0.52	19.66	▷	-8.51	2.13	LC 1-4			
			Min M _z			-90.77	-26.79	25.01	-0.88	▷	-6.97	-6.73	LC 1-5			
		152	0.705			Max N	69.93	-5.05	1.01	4.34	6.15	-0.48	LC 1-4			
						Min N	-136.47	-5.37	32.26	6.08	-9.16	0.12	LC 1-5			
				Max V _y	-28.05	▷	-3.21	18.21	3.50	-2.40	0.25	LC 1-5				
				Min V _y	-38.49	▷	-7.20	15.07	6.93	-0.61	-0.61	LC 1-4				
				Max V _z	-135.26	-5.21	▷	32.53	5.93	-9.17	0.14	LC 1-4				
				Min V _z	68.72	-5.21	▷	0.75	4.49	6.16	-0.49	LC 1-5				
				Max M _T	-50.64	-7.16	▷	16.92	6.99	-1.55	-0.55	LC 1-4				
				Min M _T	-15.90	-3.25	▷	16.35	3.44	-1.46	0.20	LC 1-5				
				Max M _y	69.19	-5.23	0.91	▷	4.50	6.22	-0.52	LC 1-4				
				Min M _y	-135.73	-5.19	▷	32.37	5.92	-9.23	0.16	LC 1-5				
				Max M _z	-75.78	-3.60	24.59	4.17	-5.82	▷	0.38	LC 1-5				
				Min M _z	9.23	-6.81	8.68	6.25	2.81	▷	-0.74	LC 1-4				
104	RC1	90	0.000	Max N	-112.73	-2.07	97.16	7.94	-131.59	-37.14	CO 1					
				Min N	-122.40	8.56	87.06	3.98	-122.98	-27.36	CO 12					
				Max V _y	-122.30	▷	8.70	86.98	4.23	-123.07	-27.48	CO 14				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
104	RC1			Min V _y	-112.83	▷ -2.22	97.24	7.69	-131.50	-37.02	CO 3
				Max V _z	-120.61	▷ 0.00	98.25	8.15	-134.97	-35.38	CO 6
				Min V _z	-115.76	▷ 6.60	86.03	3.77	-119.74	-28.89	CO 13
				Max M _T	-120.50	▷ 0.15	98.16	▷ 8.40	-135.06	-35.50	CO 8
				Min M _T	-114.63	▷ 6.34	86.06	▷ 3.48	-119.52	-28.99	CO 9
				Max M _y	-114.63	▷ 6.34	86.06	▷ 3.48	-119.52	-28.99	CO 9
				Min M _y	-120.50	▷ 0.15	98.16	▷ 8.40	-135.06	-35.50	CO 8
				Max M _z	-122.40	▷ 8.56	87.06	3.98	-122.98	-27.36	CO 12
				Min M _z	-112.73	▷ -2.07	97.16	7.94	-131.59	-37.14	CO 1
		102	3.800	Max N	▷ 86.95	-5.62	3.33	-2.89	77.47	-2.75	CO 3
				Min N	▷ 66.48	-4.98	0.95	-2.19	68.03	-1.61	CO 14
				Max V _y	▷ 85.75	-4.64	4.17	-2.80	77.37	-2.79	CO 6
				Min V _y	▷ 86.17	-5.93	3.32	-2.88	77.45	-2.72	CO 1
				Max V _z	▷ 85.75	-4.64	4.17	-2.80	77.37	-2.79	CO 6
				Min V _z	▷ 67.00	-5.89	0.13	-2.27	68.12	-1.56	CO 13
				Max M _T	▷ 66.48	-4.98	0.95	-2.19	68.03	-1.61	CO 14
				Min M _T	▷ 86.95	-5.62	3.33	-2.89	77.47	-2.75	CO 3
				Max M _y	▷ 86.95	-5.62	3.33	-2.89	77.47	-2.75	CO 3
				Min M _y	▷ 66.48	-4.98	0.95	-2.19	68.03	-1.61	CO 14
				Max M _z	▷ 67.00	-5.89	0.13	-2.27	68.12	-1.56	CO 13
				Min M _z	▷ 86.43	-4.71	4.15	-2.81	77.38	-2.80	CO 4
	RC2	90	0.000	Max N	▷ -82.00	-1.58	71.54	5.78	-96.99	-27.58	CO 15
				Min N	▷ -88.69	6.13	64.00	2.82	-90.36	-20.45	CO 26
				Max V _y	▷ -88.61	6.24	63.94	3.00	-90.43	-20.54	CO 28
				Min V _y	▷ -82.07	-1.69	71.60	5.59	-96.92	-27.49	CO 17
				Max V _z	▷ -87.35	-0.20	72.27	5.91	-99.25	-26.38	CO 20
				Min V _z	▷ -84.25	4.84	63.30	2.69	-88.22	-21.48	CO 27
				Max M _T	▷ -87.27	-0.09	72.21	6.09	-99.31	-26.47	CO 22
				Min M _T	▷ -83.42	4.65	63.32	2.47	-88.05	-21.56	CO 23
				Max M _y	▷ -83.42	4.65	63.32	2.47	-88.05	-21.56	CO 23
				Min M _y	▷ -87.27	-0.09	72.21	6.09	-99.31	-26.47	CO 22
				Max M _z	▷ -88.69	6.13	64.00	2.82	-90.36	-20.45	CO 26
				Min M _z	▷ -82.00	-1.58	71.54	5.78	-96.99	-27.58	CO 15
		102	3.800	Max N	▷ 64.50	-4.22	2.34	-2.16	57.09	-2.01	CO 17
				Min N	▷ 49.38	-3.81	0.51	-1.65	50.11	-1.17	CO 28
				Max V _y	▷ 63.65	-3.56	2.90	-2.11	57.02	-2.04	CO 20
				Min V _y	▷ 63.92	-4.44	2.33	-2.16	57.08	-1.99	CO 15
				Max V _z	▷ 63.65	-3.56	2.90	-2.11	57.02	-2.04	CO 20
				Min V _z	▷ 49.72	-4.42	-0.03	-1.71	50.17	-1.14	CO 27
				Max M _T	▷ 49.38	-3.81	0.51	-1.65	50.11	-1.17	CO 28
				Min M _T	▷ 64.50	-4.22	2.34	-2.16	57.09	-2.01	CO 17
				Max M _y	▷ 64.50	-4.22	2.34	-2.16	57.09	-2.01	CO 17
				Min M _y	▷ 49.38	-3.81	0.51	-1.65	50.11	-1.17	CO 28
				Max M _z	▷ 49.72	-4.42	-0.03	-1.71	50.17	-1.14	CO 27
				Min M _z	▷ 64.15	-3.61	2.89	-2.11	57.03	-2.05	CO 18
	RC6	90	0.000	Max N	▷ 85.57	-36.87	42.68	3.27	-20.02	-61.22	LC 1-4
				Min N	▷ -224.74	32.45	92.11	6.35	-164.02	6.18	LC 1-5
				Max V _y	▷ -219.46	33.43	91.17	7.39	-163.38	4.67	LC 1-5
				Min V _y	▷ 80.29	-37.85	43.62	2.23	-20.66	-59.71	LC 1-4
				Max V _z	▷ -224.46	32.38	92.15	6.29	-164.05	6.26	LC 1-5
				Min V _z	▷ 85.29	-36.80	42.64	3.33	-19.99	-61.30	LC 1-4
				Max M _T	▷ -45.91	1.10	62.44	▷ 13.66	-93.18	-36.83	LC 1-5
				Min M _T	▷ -93.26	-5.52	72.35	▷ -4.04	-90.85	-18.21	LC 1-4
				Max M _y	▷ 84.23	-37.29	42.86	2.70	-19.48	-60.80	LC 1-4
				Min M _y	▷ -223.39	32.87	91.93	6.92	-164.55	5.77	LC 1-5
				Max M _z	▷ -223.85	32.26	92.06	6.13	-163.54	6.39	LC 1-5
				Min M _z	▷ 84.68	-36.67	42.73	3.49	-20.49	-61.42	LC 1-4
		102	3.800	Max N	▷ 82.42	-5.75	10.62	-1.58	57.70	0.47	LC 1-4
				Min N	▷ 44.79	-3.66	-8.98	-3.06	49.39	-3.92	LC 1-5
				Max V _y	▷ 55.46	-0.34	-14.00	-1.73	53.45	-2.26	LC 1-5
				Min V _y	▷ 71.75	-9.07	15.64	-2.91	53.64	-1.18	LC 1-4
				Max V _z	▷ 73.33	-7.59	19.60	-2.65	53.88	-0.38	LC 1-5
				Min V _z	▷ 53.89	-1.82	-17.96	-1.99	53.21	-3.07	LC 1-4
				Max M _T	▷ 75.41	-3.09	1.26	▷ -1.18	57.43	0.12	LC 1-5
				Min M _T	▷ 51.81	-6.32	0.38	▷ -3.46	49.67	-3.57	LC 1-4
				Max M _y	▷ 80.25	-4.87	4.78	▷ -1.40	58.21	0.16	LC 1-4
				Min M _y	▷ 46.97	-4.54	-3.14	▷ -3.24	48.88	-3.60	LC 1-5
				Max M _z	▷ 81.01	-5.32	10.70	-1.53	57.25	0.65	LC 1-4
				Min M _z	▷ 46.20	-4.09	-9.06	-3.11	49.84	-4.10	LC 1-5
105	RC1	88	0.000	Max N	▷ 1.12	24.35	54.33	-10.66	-46.26	19.48	CO 3
				Min N	▷ -13.33	18.10	46.69	-9.07	-41.10	15.98	CO 14
				Max V _y	▷ 1.12	24.35	54.33	-10.66	-46.26	19.48	CO 3
				Min V _y	▷ -13.33	18.10	46.69	-9.07	-41.10	15.98	CO 14
				Max V _z	▷ -3.39	23.96	55.53	-10.37	-47.88	19.01	CO 8
				Min V _z	▷ -8.82	18.49	45.50	-9.26	-39.32	16.45	CO 9
				Max M _T	▷ -12.20	18.20	46.13	▷ -9.00	-40.06	15.76	CO 10
				Min M _T	▷ -0.01	24.25	54.89	▷ -10.84	-47.36	19.70	CO 7
				Max M _y	▷ -8.82	18.49	45.50	▷ -9.26	-39.32	16.45	CO 9
				Min M _y	▷ -3.39	23.96	55.53	-10.37	-47.88	19.01	CO 8
				Max M _z	▷ -0.01	24.25	54.89	-10.84	-47.36	19.70	CO 7
		84	4.910	Min M _z	▷ -12.20	18.20	46.13	-9.00	-40.06	15.76	CO 10
				Max N	▷ -19.44	-2.18	-57.87	2.46	-34.91	1.74	CO 8
				Min N	▷ -30.87	-4.71	-50.38	3.96	-32.88	1.83	CO 9
				Max V _y	▷ -22.79	-1.96	-58.67	2.40	-37.02	1.73	CO 4
				Min V _y	▷ -27.52	-4.93	-49.59	4.02	-30.77	1.84	CO 13
				Max V _z	▷ -25.10	-4.33	-49.20	3.80	-29.87	1.72	CO 14
				Min V _z	▷ -25.21	-2.56	-59.05	2.62	-37.92	1.85	CO 3
				Max M _T	▷ -27.52	-4.93	-49.59	4.02	-30.77	1.84	CO 13
				Min M _T	▷ -22.79	-1.96	-58.67	2.40	-37.02	1.73	CO 4
				Max M _y	▷ -25.10	-4.33	-49.20	3.80	-29.87	1.72	CO 14
				Min M _y	▷ -25.21	-2.56	-59.05	2.62	-37.92	1.85	CO 3
				Max M _z	▷ -24.38	-2.66	-58.74	2.66	-37.13	1.87	CO 5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
105	RC1	88	0.000	Min M _z	-28.45	-4.11	-50.00	3.74	-31.97	1.71	CO 10
				Max N	0.61	17.93	40.03	-7.71	-33.94	14.31	CO 17
	RC2	88	0.000	Min N	-9.84	13.32	34.33	-6.60	-30.14	11.78	CO 28
				Max V _y	0.61	17.93	40.03	-7.71	-33.94	14.31	CO 17
				Min V _y	-9.84	13.32	34.33	-6.60	-30.14	11.78	CO 28
				Max V _z	-2.48	17.66	40.86	-7.56	-35.12	14.02	CO 22
				Min V _z	-6.76	13.59	33.49	-6.72	-28.88	12.07	CO 23
				Max M _T	-9.01	13.40	33.91	-6.55	-29.37	11.61	CO 24
				Min M _T	-0.23	17.85	40.44	-7.83	-34.80	14.48	CO 21
				Max M _y	-6.76	13.59	33.49	-6.72	-28.88	12.07	CO 23
				Min M _y	-2.48	17.66	40.86	-7.56	-35.12	14.02	CO 22
				Max M _z	-0.23	17.85	40.44	-7.83	-34.80	14.48	CO 21
				Min M _z	-9.01	13.40	33.91	-6.55	-29.37	11.61	CO 24
		84	4.910	Max N	-14.55	-1.53	-42.77	1.81	-25.92	1.26	CO 22
				Min N	-22.83	-3.36	-37.20	2.90	-24.34	1.32	CO 23
				Max V _y	-17.03	-1.37	-43.36	1.77	-27.48	1.25	CO 18
				Min V _y	-20.35	-3.52	-36.61	2.94	-22.78	1.33	CO 27
				Max V _z	-18.74	-3.12	-36.35	2.80	-22.18	1.24	CO 28
				Min V _z	-18.64	-1.77	-43.62	1.91	-28.07	1.33	CO 17
				Max M _T	-20.35	-3.52	-36.61	2.94	-22.78	1.33	CO 27
				Min M _T	-17.03	-1.37	-43.36	1.77	-27.48	1.25	CO 18
				Max M _y	-18.74	-3.12	-36.35	2.80	-22.18	1.24	CO 28
				Min M _y	-18.64	-1.77	-43.62	1.91	-28.07	1.33	CO 17
				Max M _z	-18.03	-1.84	-43.39	1.94	-27.49	1.34	CO 19
				Min M _z	-21.22	-2.96	-36.94	2.76	-23.74	1.24	CO 24
	RC6	88	0.000	Max N	25.25	14.78	28.78	-9.39	-16.74	20.71	LC 1-4
				Min N	-28.98	18.35	47.34	-4.46	-46.83	5.81	LC 1-5
				Max V _y	-4.98	30.70	42.95	5.72	-24.69	1.78	LC 1-4
				Min V _y	1.26	2.43	33.17	-19.57	-38.88	24.75	LC 1-5
				Max V _z	-27.53	21.97	47.98	-1.34	-44.02	3.29	LC 1-5
				Min V _z	23.81	11.16	28.13	-12.51	-19.55	23.24	LC 1-4
				Max M _T	-6.31	30.62	43.32	5.78	-25.33	1.49	LC 1-4
				Min M _T	2.58	2.50	32.79	-19.64	-38.24	25.03	LC 1-5
				Max M _y	23.33	18.58	30.27	-5.84	-14.94	17.44	LC 1-4
				Min M _y	-27.06	14.54	45.84	-8.01	-48.63	9.08	LC 1-5
				Max M _z	5.99	2.95	31.81	-19.34	-35.93	25.46	LC 1-5
				Min M _z	-9.71	30.18	44.30	5.49	-27.64	1.06	LC 1-4
		84	4.910	Max N	52.20	-3.48	-29.51	1.90	-5.78	1.43	LC 1-4
				Min N	-88.26	1.90	-54.23	1.73	-48.38	0.63	LC 1-5
				Max V _y	-40.87	29.50	-50.22	-5.81	-36.38	-4.89	LC 1-4
				Min V _y	4.81	-31.08	-33.52	9.44	-17.77	6.95	LC 1-5
				Max V _z	50.80	-5.46	-29.09	2.47	-5.42	1.83	LC 1-5
				Min V _z	-86.86	3.87	-54.65	1.16	-48.74	0.23	LC 1-4
				Max M _T	1.70	-30.95	-34.05	9.47	-18.71	6.96	LC 1-5
				Min M _T	-37.77	29.37	-49.69	-5.84	-35.45	-4.90	LC 1-4
				Max M _y	51.40	-4.33	-29.15	2.17	-5.32	1.60	LC 1-5
				Min M _y	-87.46	2.75	-54.59	1.46	-48.84	0.46	LC 1-4
				Max M _z	3.65	-31.00	-33.71	9.46	-18.11	6.97	LC 1-5
				Min M _z	-39.71	29.42	-50.03	-5.84	-36.05	-4.91	LC 1-4
106	RC1	84	0.000	Max N	-7.02	10.35	23.48	-1.98	-23.62	1.71	CO 7
				Min N	-22.50	9.89	23.07	-1.39	-23.55	1.62	CO 10
				Max V _y	-17.65	10.67	22.42	-1.62	-22.12	1.78	CO 11
				Min V _y	-11.87	9.56	24.13	-1.75	-25.05	1.55	CO 2
				Max V _z	-16.22	9.57	24.96	-1.75	-26.47	1.54	CO 4
				Min V _z	-13.30	10.66	21.59	-1.62	-20.70	1.79	CO 13
				Max M _T	-22.50	9.89	23.07	-1.39	-23.55	1.62	CO 10
				Min M _T	-7.02	10.35	23.48	-1.98	-23.62	1.71	CO 7
				Max M _y	-13.30	10.66	21.59	-1.62	-20.70	1.79	CO 13
				Min M _y	-16.22	9.57	24.96	-1.75	-26.47	1.54	CO 4
				Max M _z	-13.30	10.66	21.59	-1.62	-20.70	1.79	CO 13
				Min M _z	-16.22	9.57	24.96	-1.75	-26.47	1.54	CO 4
		80	2.600	Max N	19.38	-6.54	-10.49	0.69	3.54	1.14	CO 1
				Min N	4.90	-2.74	-8.49	1.66	2.79	1.29	CO 12
				Max V _y	9.55	-2.63	-7.15	1.72	4.48	1.35	CO 9
				Min V _y	14.74	-6.66	-11.83	0.64	1.86	1.08	CO 8
				Max V _z	9.55	-2.63	-7.15	1.72	4.48	1.35	CO 9
				Min V _z	14.74	-6.66	-11.83	0.64	1.86	1.08	CO 8
				Max M _T	9.51	-2.66	-8.67	1.75	3.67	1.37	CO 13
				Min M _T	14.78	-6.63	-10.31	0.60	2.67	1.06	CO 4
				Max M _y	9.55	-2.63	-7.15	1.72	4.48	1.35	CO 9
				Min M _y	14.74	-6.66	-11.83	0.64	1.86	1.08	CO 8
				Max M _z	9.51	-2.66	-8.67	1.75	3.67	1.37	CO 13
				Min M _z	14.78	-6.63	-10.31	0.60	2.67	1.06	CO 4
	RC2	84	0.000	Max N	-5.60	7.47	17.39	-1.39	-17.57	1.22	CO 21
				Min N	-16.86	7.18	17.07	-0.97	-17.48	1.17	CO 24
				Max V _y	-13.48	7.71	16.60	-1.13	-16.46	1.28	CO 25
				Min V _y	-8.98	6.94	17.85	-1.24	-18.59	1.12	CO 16
				Max V _z	-12.20	6.95	18.47	-1.24	-19.64	1.11	CO 18
				Min V _z	-10.26	7.71	15.99	-1.13	-15.41	1.29	CO 27
				Max M _T	-16.86	7.18	17.07	-0.97	-17.48	1.17	CO 24
				Min M _T	-5.60	7.47	17.39	-1.39	-17.57	1.22	CO 21
				Max M _y	-10.26	7.71	15.99	-1.13	-15.41	1.29	CO 27
				Min M _y	-12.20	6.95	18.47	-1.24	-19.64	1.11	CO 18
				Max M _z	-10.26	7.71	15.99	-1.13	-15.41	1.29	CO 27
				Min M _z	-12.20	6.95	18.47	-1.24	-19.64	1.11	CO 18
		80	2.600	Max N	14.16	-4.76	-7.77	0.53	2.48	0.84	CO 15
				Min N	3.77	-1.94	-6.22	1.25	2.04	0.95	CO 26
				Max V _y	6.88	-1.87	-5.30	1.29	3.18	0.99	CO 23
				Min V _y	11.06	-4.84	-8.70	0.49	1.34	0.80	CO 22
				Max V _z	6.88	-1.87	-5.30	1.29	3.18	0.99	CO 23
				Min V _z	11.06	-4.84	-8.70	0.49	1.34	0.80	CO 22
				Max M _T	6.85	-1.89	-6.42	1.31	2.58	1.01	CO 27



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
106	RC2			Min M _T	11.09	-4.82	-7.57	▷	0.47	1.94	0.79	CO 18	
				Max M _y	6.88	-1.87	-5.30		▷	3.18	0.99	CO 23	
				Min M _y	11.06	-4.84	-8.70		▷	1.34	0.80	CO 22	
				Max M _z	6.85	-1.89	-6.42		▷	2.58	1.01	CO 27	
				Min M _z	11.09	-4.82	-7.57		▷	1.94	0.79	CO 18	
	RC6	84	0.000	Max N	▷	31.18	7.21	-3.09	-0.65	-5.93	0.69	LC 1-5	
				Min N	▷	-55.00	4.79	38.64	-0.89	-32.01	1.08	LC 1-4	
				Max V _y	▷	-17.33	27.43	20.94	-8.91	-19.20	6.94	LC 1-5	
				Min V _y	▷	-6.49	-15.43	14.62	7.37	-18.74	-5.18	LC 1-4	
				Max V _z	▷	-55.00	4.91	38.65	-0.93	-32.01	1.11	LC 1-4	
				Min V _z	▷	31.17	7.09	-3.09	-0.60	-5.93	0.65	LC 1-5	
				Max M _T	▷	-4.97	-15.38	13.88	7.39	-18.28	-5.20	LC 1-4	
				Min M _T	▷	-18.86	27.38	21.68	-8.93	-19.66	6.97	LC 1-5	
		80	2.600	Max M _y	▷	31.08	8.08	-3.03	-0.97	-5.90	0.92	LC 1-5	
				Min M _y	▷	-54.90	3.92	38.58	-0.57	-32.04	0.84	LC 1-4	
				Max M _z	▷	-19.33	27.34	21.91	-8.93	-19.81	6.97	LC 1-5	
				Min M _z	▷	-4.49	-15.34	13.64	7.39	-18.13	-5.21	LC 1-4	
				Max N	▷	15.30	-14.61	2.25	-1.11	15.18	-0.41	LC 1-4	
				Min N	▷	8.59	6.65	-16.80	2.44	-11.92	2.00	LC 1-5	
				Max V _y	▷	9.71	21.99	-2.90	4.59	7.55	2.73	LC 1-4	
				Min V _y	▷	14.19	-29.94	-11.66	-3.27	-4.29	-1.14	LC 1-5	
	107	RC1	78	0.000	Max V _z	▷	13.77	-1.24	6.93	0.87	21.95	0.52	LC 1-5
					Min V _z	▷	10.12	-6.72	-21.49	0.45	-18.69	1.07	LC 1-4
					Max M _T	▷	9.63	21.93	-3.39	4.60	6.87	2.77	LC 1-4
					Min M _T	▷	14.26	-29.88	-11.17	-3.28	-3.61	-1.18	LC 1-5
					Max M _y	▷	13.77	-1.30	6.92	0.86	21.96	0.51	LC 1-5
					Min M _y	▷	10.12	-6.66	-21.48	0.46	-18.70	1.08	LC 1-4
					Max M _z	▷	9.43	20.40	-4.75	4.43	5.12	2.87	LC 1-5
					Min M _z	▷	14.46	-28.36	-9.81	-3.10	-1.86	-1.28	LC 1-4
					Max N	▷	-2.03	-13.68	21.96	-2.52	-18.18	1.66	CO 14
					Min N	▷	-20.14	-17.16	28.80	-4.11	-25.33	5.89	CO 5
					Max V _y	▷	-9.31	-9.40	25.71	-2.76	-18.93	3.26	CO 2
Min V _y					▷	-12.76	-21.37	24.94	-3.83	-24.42	4.25	CO 11	
Max V _z					▷	-20.14	-17.16	28.80	-4.11	-25.33	5.89	CO 5	
Min V _z					▷	-2.03	-13.68	21.96	-2.52	-18.18	1.66	CO 14	
Max M _T					▷	-2.03	-13.68	21.96	-2.52	-18.18	1.66	CO 14	
Min M _T					▷	-20.14	-17.16	28.80	-4.11	-25.33	5.89	CO 5	
RC2	78	0.000	Max M _y	▷	-2.03	-13.68	21.96	-2.52	-18.18	1.66	CO 14		
			Min M _y	▷	-20.14	-17.16	28.80	-4.11	-25.33	5.89	CO 5		
			Max M _z	▷	-20.14	-17.16	28.80	-4.11	-25.33	5.89	CO 5		
			Min M _z	▷	-2.03	-13.68	21.96	-2.52	-18.18	1.66	CO 14		
			Max N	▷	1.77	12.63	15.11	1.87	0.38	-0.21	CO 14		
			Min N	▷	-12.62	20.05	20.90	2.63	-0.92	1.60	CO 5		
			Max V _y	▷	-12.62	20.05	20.90	2.63	-0.92	1.60	CO 5		
			Min V _y	▷	1.77	12.63	15.11	1.87	0.38	-0.21	CO 14		
			Max V _z	▷	-12.62	20.05	20.90	2.63	-0.92	1.60	CO 5		
			Min V _z	▷	1.77	12.63	15.11	1.87	0.38	-0.21	CO 14		
			Max M _T	▷	-12.62	19.93	20.79	2.64	-0.85	1.56	CO 3		
			Min M _T	▷	1.77	12.63	15.11	1.87	0.38	-0.21	CO 14		
			Max M _y	▷	-0.96	17.10	18.17	2.08	2.54	-1.37	CO 2		
			Min M _y	▷	-9.89	15.45	17.73	2.43	-3.00	2.72	CO 11		
			Max M _z	▷	-9.89	15.45	17.73	2.43	-3.00	2.72	CO 11		
			Min M _z	▷	-0.96	17.10	18.17	2.08	2.54	-1.37	CO 2		
	RC6	78	0.000	Max N	▷	-1.69	-9.94	15.91	-1.90	-13.07	1.27	CO 28	
				Min N	▷	-14.33	-12.07	20.82	-2.99	-18.00	4.22	CO 19	
				Max V _y	▷	-7.07	-6.78	18.69	-2.08	-13.62	2.45	CO 16	
				Min V _y	▷	-8.87	-15.18	17.97	-2.78	-17.32	3.01	CO 25	
				Max V _z	▷	-14.33	-12.07	20.82	-2.99	-18.00	4.22	CO 19	
				Min V _z	▷	-1.69	-9.94	15.91	-1.90	-13.07	1.27	CO 28	
				Max M _T	▷	-1.69	-9.94	15.91	-1.90	-13.07	1.27	CO 28	
				Min M _T	▷	-14.33	-12.07	20.82	-2.99	-18.00	4.22	CO 19	
				Max M _y	▷	-1.69	-9.94	15.91	-1.90	-13.07	1.27	CO 28	
				Min M _y	▷	-14.33	-12.07	20.82	-2.99	-18.00	4.22	CO 19	
				Max M _z	▷	-14.33	-12.07	20.82	-2.99	-18.00	4.22	CO 19	
				Min M _z	▷	-1.69	-9.94	15.91	-1.90	-13.07	1.27	CO 28	
				Max N	▷	0.84	9.15	10.84	1.30	0.37	-0.19	CO 28	
				Min N	▷	-8.96	14.49	14.99	1.85	-0.38	0.97	CO 19	
				Max V _y	▷	-8.96	14.49	14.99	1.85	-0.38	0.97	CO 19	
				Min V _y	▷	0.84	9.15	10.84	1.30	0.37	-0.19	CO 28	
RC6	78	0.000	Max V _z	▷	-8.96	14.49	14.99	1.85	-0.38	0.97	CO 19		
			Min V _z	▷	0.84	9.15	10.84	1.30	0.37	-0.19	CO 28		
			Max M _T	▷	-8.95	14.40	14.92	1.85	-0.33	0.94	CO 17		
			Min M _T	▷	0.84	9.15	10.84	1.30	0.37	-0.19	CO 28		
			Max M _y	▷	-1.18	12.46	13.11	1.46	1.97	-1.04	CO 16		
			Min M _y	▷	-6.93	11.08	12.65	1.70	-1.93	1.80	CO 25		
			Max M _z	▷	-6.93	11.08	12.65	1.70	-1.93	1.80	CO 25		
			Min M _z	▷	-1.18	12.46	13.11	1.46	1.97	-1.04	CO 16		
			Max N	▷	24.76	-35.55	5.53	-16.65	27.91	-2.17	LC 1-4		
			Min N	▷	-43.39	20.71	28.00	11.57	-51.86	8.27	LC 1-5		
			Max V _y	▷	-25.24	80.17	6.33	17.61	7.04	-4.70	LC 1-4		
			Min V _y	▷	6.61	-95.02	27.20	-22.69	-30.99	10.80	LC 1-5		
			Max V _z	▷	-33.76	-31.47	34.10	-0.44	-63.16	12.77	LC 1-5		
			Min V _z	▷	15.13	16.62	-0.58	-4.64	39.21	-6.68	LC 1-4		
			Max M _T	▷	-31.03	77.32	9.79	18.64	-3.64	-2.87	LC 1-4		
			Min M _T	▷	12.39	-92.17	23.73	-23.72	-20.31	8.96	LC 1-5		
Max M _y	▷	16.78	12.07	-0.45	-5.90	39.54	-6.55	LC 1-4					
Min M _y	▷	-35.41	-26.92	33.98	0.82	-63.49	12.65	LC 1-5					
Max M _z	▷	-6.71	-84.54	31.73	-17.28	-47.13	13.24	LC 1-5					
Min M _z	▷	-11.92	69.69	1.79	12.20	23.18	-7.15	LC 1-4					
Max N	▷	15.42	-0.13	-1.49	0.30	21.24	-17.55	LC 1-4					
Min N	▷	-26.56	23.31	23.83	1.85	-17.41	16.14	LC 1-5					
Max V _y	▷	-17.30	29.32	13.81	-0.66	1.91	5.56	LC 1-5					

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
107	RC6			Min V _y	6.17	▷ -6.14	8.52	2.81	1.92	-6.98	LC 1-4
				Max V _z	-25.51	▷ 7.86	29.76	4.86	-31.78	20.01	LC 1-5
				Min V _z	14.38	▷ -7.43	-2.71	-35.61	-21.42	LC 1-4	
				Max M _T	-18.69	▷ 0.69	27.02	5.31	-28.64	15.36	LC 1-5
				Min M _T	7.55	▷ -4.69	-3.16	32.47	-16.78	LC 1-4	
				Max M _y	13.88	▷ -7.36	-2.81	35.71	-21.17	LC 1-4	
				Min M _y	-25.01	▷ 6.98	29.70	4.96	-31.88	19.76	LC 1-5
				Max M _z	-25.82	▷ 8.65	29.70	4.74	-31.47	20.09	LC 1-5
				Min M _z	14.68	▷ 14.53	-7.36	-2.59	35.30	-21.51	LC 1-4
				Max N	19.96	▷ 16.34	29.74	3.07	-12.01	1.48	CO 4
				Min N	8.44	▷ 14.49	17.49	0.38	-3.44	-2.23	CO 13
				Max V _y	10.89	▷ 17.57	29.98	3.44	-12.57	2.15	CO 7
108	RC1	80	0.000	Min V _y	17.50	▷ 13.26	17.24	0.01	-2.88	-2.91	CO 10
				Max V _z	18.24	▷ 17.30	30.40	3.28	-13.19	2.54	CO 8
				Min V _z	10.16	▷ 13.53	16.82	0.18	-2.26	-3.30	CO 9
				Max M _T	10.89	▷ 17.57	29.98	3.44	-12.57	2.15	CO 7
				Min M _T	17.50	▷ 13.26	17.24	0.01	-2.88	-2.91	CO 10
				Max M _y	9.95	▷ 13.88	16.83	0.21	-2.07	-3.47	CO 11
				Min M _y	18.45	▷ 16.94	30.39	3.24	-13.38	2.72	CO 2
				Max M _z	18.45	▷ 16.94	30.39	3.24	-13.38	2.72	CO 2
				Min M _z	9.95	▷ 13.88	16.83	0.21	-2.07	-3.47	CO 11
		112	1.007	Max N	28.45	▷ 24.26	24.44	2.24	17.01	-18.67	CO 6
				Min N	13.43	▷ 13.42	12.07	-1.13	13.07	-14.51	CO 13
				Max V _y	27.70	▷ 25.20	25.02	2.53	16.20	-17.78	CO 8
				Min V _y	14.02	▷ 12.39	11.52	-1.46	13.73	-15.24	CO 9
				Max V _z	27.55	▷ 25.10	25.04	2.50	16.06	-17.62	CO 2
				Min V _z	14.17	▷ 12.48	11.50	-1.43	13.88	-15.40	CO 11
				Max M _T	27.70	▷ 25.20	25.02	2.53	16.20	-17.78	CO 8
				Min M _T	14.02	▷ 12.39	11.52	-1.46	13.73	-15.24	CO 9
				Max M _y	21.37	▷ 23.65	24.03	2.22	17.15	-18.73	CO 5
				Min M _y	20.51	▷ 14.03	12.49	-1.11	12.93	-14.45	CO 14
				Max M _z	20.51	▷ 14.03	12.49	-1.11	12.93	-14.45	CO 14
				Min M _z	21.37	▷ 23.65	24.03	2.22	17.15	-18.73	CO 5
	RC2	80	0.000	Max N	14.07	▷ 11.79	21.73	2.17	-9.06	1.37	CO 18
				Min N	6.07	▷ 10.40	12.68	0.17	-2.75	-1.34	CO 27
				Max V _y	7.90	▷ 12.68	21.94	2.44	-9.52	1.90	CO 21
				Min V _y	12.25	▷ 9.51	12.47	-0.09	-2.29	-1.87	CO 24
				Max V _z	12.79	▷ 12.50	22.22	2.33	-9.93	2.16	CO 22
				Min V _z	7.35	▷ 9.70	12.19	0.02	-1.88	-2.13	CO 23
				Max M _T	7.90	▷ 12.68	21.94	2.44	-9.52	1.90	CO 21
				Min M _T	12.25	▷ 9.51	12.47	-0.09	-2.29	-1.87	CO 24
				Max M _y	7.20	▷ 9.96	12.20	0.04	-1.74	-2.26	CO 25
				Min M _y	12.95	▷ 12.24	22.22	2.30	-10.07	2.29	CO 16
				Max M _z	12.95	▷ 12.24	22.22	2.30	-10.07	2.29	CO 16
				Min M _z	7.20	▷ 9.96	12.20	0.04	-1.74	-2.26	CO 25
		112	1.007	Max N	20.03	▷ 17.65	17.80	1.58	12.16	-13.33	CO 20
				Min N	9.43	▷ 9.67	8.67	-0.93	9.24	-10.25	CO 27
				Max V _y	19.48	▷ 18.35	18.23	1.79	11.57	-12.67	CO 22
				Min V _y	9.87	▷ 8.91	8.26	-1.16	9.72	-10.79	CO 23
				Max V _z	19.37	▷ 18.27	18.24	1.77	11.46	-12.55	CO 16
				Min V _z	9.98	▷ 8.98	8.24	-1.14	9.83	-10.91	CO 25
				Max M _T	19.48	▷ 18.35	18.23	1.79	11.57	-12.67	CO 22
				Min M _T	9.87	▷ 8.91	8.26	-1.16	9.72	-10.79	CO 23
				Max M _y	15.31	▷ 17.25	17.52	1.56	12.25	-13.37	CO 19
				Min M _y	14.15	▷ 10.08	8.94	-0.91	9.14	-10.21	CO 28
				Max M _z	14.15	▷ 10.08	8.94	-0.91	9.14	-10.21	CO 28
				Min M _z	15.31	▷ 17.25	17.52	1.56	12.25	-13.37	CO 19
	RC6	80	0.000	Max N	19.82	▷ 4.73	21.02	1.02	-8.82	-1.89	LC 1-5
				Min N	-4.41	▷ 14.46	16.57	1.55	-10.36	8.17	LC 1-4
				Max V _y	-3.16	▷ 15.50	17.26	2.08	-10.33	7.36	LC 1-5
				Min V _y	18.57	▷ 3.69	20.33	0.49	-8.85	-1.08	LC 1-4
				Max V _z	6.49	▷ 10.96	31.81	6.41	-26.75	8.63	LC 1-4
				Min V _z	8.93	▷ 8.23	5.78	-3.84	7.57	-2.35	LC 1-5
				Max M _T	5.32	▷ 12.28	31.08	6.52	-25.27	7.90	LC 1-5
				Min M _T	10.10	▷ 6.91	6.51	-3.95	6.09	-1.62	LC 1-4
				Max M _y	9.93	▷ 7.78	5.91	-3.90	7.70	-2.76	LC 1-5
				Min M _y	5.48	▷ 11.41	31.68	6.47	-26.87	9.05	LC 1-4
				Max M _z	0.45	▷ 13.60	28.81	5.90	-24.64	10.43	LC 1-4
				Min M _z	14.97	▷ 5.59	8.78	-3.33	5.46	-4.15	LC 1-5
		112	1.007	Max N	33.25	▷ 30.34	27.15	6.66	4.32	-6.99	LC 1-5
				Min N	-11.11	▷ -1.15	2.45	-5.16	13.05	-11.80	LC 1-4
				Max V _y	30.58	▷ 32.05	28.47	7.02	2.57	-5.27	LC 1-4
				Min V _y	-8.45	▷ -2.86	1.13	-5.52	14.80	-13.51	LC 1-5
				Max V _z	30.99	▷ 31.99	28.52	7.08	2.65	-5.36	LC 1-4
				Min V _z	-8.86	▷ -2.80	1.08	-5.58	14.71	-13.42	LC 1-5
				Max M _T	31.42	▷ 31.87	28.46	7.12	2.78	-5.46	LC 1-4
				Min M _T	-9.28	▷ -2.68	1.14	-5.61	14.58	-13.32	LC 1-5
				Max M _y	-3.71	▷ -1.95	2.18	-4.72	15.05	-13.86	LC 1-5
				Min M _y	25.84	▷ 31.14	27.42	6.22	2.31	-4.92	LC 1-4
				Max M _z	23.47	▷ 30.36	26.64	5.76	2.37	-4.87	LC 1-4
				Min M _z	-1.33	▷ -1.17	2.96	-4.26	15.00	-13.91	LC 1-5
109	RC1	102	0.000	Max N	87.06	▷ -6.91	0.09	-2.80	77.58	-2.92	CO 3
				Min N	66.42	▷ -3.45	1.90	-2.72	68.05	-1.66	CO 14
				Max V _y	67.19	▷ -3.15	1.92	-2.73	68.07	-1.69	CO 12
				Min V _y	86.29	▷ -7.21	0.06	-2.79	77.56	-2.89	CO 1
				Max V _z	67.19	▷ -3.15	1.92	-2.73	68.07	-1.69	CO 12
				Min V _z	86.29	▷ -7.21	0.06	-2.79	77.56	-2.89	CO 1
				Max M _T	85.08	▷ -6.22	0.93	-2.71	77.46	-2.93	CO 8
				Min M _T	68.40	▷ -4.13	1.06	-2.81	68.17	-1.65	CO 9
				Max M _y	87.06	▷ -6.91	0.09	-2.80	77.58	-2.92	CO 3
				Min M _y	66.42	▷ -3.45	1.90	-2.72	68.05	-1.66	CO 14
				Max M _z	66.94	▷ -4.36	1.07	-2.80	68.14	-1.61	CO 13



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
109	RC1	114	0.928	Min M _z	86.54	-6.00	0.92	-2.72	77.49	-2.97	CO 4	
				Max N	76.30	-0.02	-23.20	-1.11	67.91	-1.86	CO 4	
				Min N	56.89	-0.52	-22.31	-1.24	59.24	-1.18	CO 13	
				Max V _y	75.63	0.13	-23.18	-1.11	67.92	-1.87	CO 6	
				Min V _y	74.93	-0.66	-24.09	-1.17	67.22	-1.70	CO 1	
				Max V _z	58.26	0.12	-21.41	-1.17	59.93	-1.34	CO 12	
				Min V _z	74.93	-0.66	-24.09	-1.17	67.22	-1.70	CO 1	
				Max M _T	76.30	-0.02	-23.20	-1.11	67.91	-1.86	CO 4	
				Min M _T	56.89	-0.52	-22.31	-1.24	59.24	-1.18	CO 13	
				Max M _y	75.63	0.13	-23.18	-1.11	67.92	-1.87	CO 6	
				Min M _y	56.89	-0.52	-22.31	-1.24	59.24	-1.18	CO 13	
				Max M _z	56.89	-0.52	-22.31	-1.24	59.24	-1.18	CO 13	
	RC2	102	0.000	Min M _z	75.63	0.13	-23.18	-1.11	67.92	-1.87	CO 6	
				Max N	64.58	-5.17	0.05	-2.07	57.17	-2.14	CO 17	
				Min N	49.33	-2.68	1.33	-2.02	50.12	-1.20	CO 28	
				Max V _y	49.91	-2.46	1.34	-2.02	50.13	-1.22	CO 26	
				Min V _y	64.01	-5.40	0.03	-2.07	57.16	-2.12	CO 15	
				Max V _z	49.91	-2.46	1.34	-2.02	50.13	-1.22	CO 26	
				Min V _z	64.01	-5.40	0.03	-2.07	57.16	-2.12	CO 15	
				Max M _T	63.15	-4.74	0.61	-2.01	57.08	-2.14	CO 22	
				Min M _T	50.76	-3.12	0.77	-2.08	50.20	-1.20	CO 23	
				Max M _y	64.58	-5.17	0.05	-2.07	57.17	-2.14	CO 17	
				Min M _y	49.33	-2.68	1.33	-2.02	50.12	-1.20	CO 28	
				Max M _z	49.68	-3.29	0.77	-2.08	50.18	-1.17	CO 27	
		114	0.928	Min M _z	64.23	-4.57	0.61	-2.02	57.11	-2.17	CO 18	
				Max N	56.61	-0.21	-17.23	-0.84	49.96	-1.33	CO 18	
				Min N	42.26	-0.56	-16.51	-0.93	43.58	-0.84	CO 27	
				Max V _y	56.11	-0.10	-17.21	-0.84	49.97	-1.34	CO 20	
				Min V _y	55.62	-0.66	-17.83	-0.88	49.50	-1.22	CO 15	
				Max V _z	43.25	-0.11	-15.91	-0.89	44.04	-0.94	CO 26	
				Min V _z	55.62	-0.66	-17.83	-0.88	49.50	-1.22	CO 15	
				Max M _T	56.61	-0.21	-17.23	-0.84	49.96	-1.33	CO 18	
				Min M _T	42.26	-0.56	-16.51	-0.93	43.58	-0.84	CO 27	
				Max M _y	56.11	-0.10	-17.21	-0.84	49.97	-1.34	CO 20	
				Min M _y	42.26	-0.56	-16.51	-0.93	43.58	-0.84	CO 27	
				Max M _z	42.26	-0.56	-16.51	-0.93	43.58	-0.84	CO 27	
	RC6	102	0.000	Min M _z	56.11	-0.10	-17.21	-0.84	49.97	-1.34	CO 20	
				Max N	82.35	-6.49	7.99	-1.63	57.71	0.45	LC 1-4	
				Min N	45.01	-4.10	-7.36	-2.49	49.51	-4.10	LC 1-5	
				Max V _y	55.74	-0.88	-12.42	-1.61	53.11	-2.43	LC 1-5	
				Min V _y	71.62	-9.71	13.06	-2.51	54.11	-1.22	LC 1-4	
				Max V _z	71.88	-7.62	19.89	-2.47	53.36	-0.38	LC 1-5	
				Min V _z	55.48	-2.97	-19.25	-1.66	53.86	-3.28	LC 1-4	
				Max M _T	74.09	-3.85	-2.07	-1.22	57.26	-0.11	LC 1-5	
				Min M _T	53.27	-6.75	2.70	-2.90	49.96	-3.54	LC 1-4	
				Max M _y	80.07	-5.83	1.16	-1.44	58.26	0.06	LC 1-4	
				Min M _y	47.29	-4.76	-0.53	-2.68	48.96	-3.71	LC 1-5	
				Max M _z	81.07	-6.01	9.00	-1.59	57.24	0.63	LC 1-4	
		114	0.928	Min M _z	46.29	-4.58	-8.36	-2.53	49.98	-4.28	LC 1-5	
				Max N	99.02	-3.81	2.00	-1.12	63.26	1.68	LC 1-4	
				Min N	12.85	0.90	-36.41	-0.79	29.57	-3.65	LC 1-5	
				Max V _y	34.72	8.73	-19.13	-2.23	40.77	-4.72	LC 1-5	
				Min V _y	77.16	-11.63	-15.28	0.32	52.06	2.76	LC 1-4	
				Max V _z	95.00	-1.96	2.77	-1.33	62.93	1.02	LC 1-5	
				Min V _z	16.88	-0.94	-37.18	-0.58	29.90	-2.98	LC 1-4	
				Max M _T	68.39	-9.20	-18.46	0.72	49.34	2.63	LC 1-5	
				Min M _T	43.49	6.29	-15.95	-2.63	43.49	-4.59	LC 1-4	
				Max M _y	98.73	-3.60	2.33	-1.18	63.36	1.58	LC 1-4	
				Min M _y	13.14	0.70	-36.74	-0.73	29.47	-3.54	LC 1-5	
				Max M _z	87.93	-10.23	-9.82	0.37	56.62	3.47	LC 1-4	
111	RC1	87	0.000	Min M _z	23.94	7.32	-24.59	-2.28	36.21	-5.43	LC 1-5	
				Max N	30.82	2.00	14.92	0.57	2.19	0.99	CO 6	
				Min N	26.87	0.02	12.39	1.09	1.60	0.49	CO 13	
				Max V _y	29.83	2.02	15.62	0.61	2.02	1.03	CO 7	
				Min V _y	27.70	-0.00	11.69	1.04	1.77	0.46	CO 10	
				Max V _z	29.83	2.02	15.62	0.61	2.02	1.03	CO 7	
				Min V _z	27.70	-0.00	11.69	1.04	1.77	0.46	CO 10	
				Max M _T	27.66	0.01	12.05	1.10	1.66	0.49	CO 11	
				Min M _T	29.87	2.01	15.25	0.55	2.12	0.99	CO 2	
				Max M _y	30.82	2.00	14.92	0.57	2.19	0.99	CO 6	
				Min M _y	26.87	0.02	12.39	1.09	1.60	0.49	CO 13	
				Max M _z	29.83	2.02	15.62	0.61	2.02	1.03	CO 7	
	RC2	87	0.000	Min M _z	27.70	-0.00	11.69	1.04	1.77	0.46	CO 10	
				Max N	67.13	-1.60	8.03	-0.61	5.33	0.66	CO 7	
				Min N	53.49	-0.60	4.54	-0.44	4.11	0.41	CO 10	
				Max V _y	54.91	-0.59	5.24	-0.47	4.14	0.44	CO 13	
				Min V _y	65.71	-1.61	7.33	-0.58	5.30	0.64	CO 4	
				Max V _z	67.13	-1.60	8.03	-0.61	5.33	0.66	CO 7	
				Min V _z	53.49	-0.60	4.54	-0.44	4.11	0.41	CO 10	
				Max M _T	53.49	-0.60	4.54	-0.44	4.11	0.41	CO 10	
				Min M _T	67.13	-1.60	8.03	-0.61	5.33	0.66	CO 7	
				Max M _y	67.13	-1.60	8.03	-0.61	5.33	0.66	CO 7	
				Min M _y	53.49	-0.60	4.54	-0.44	4.11	0.41	CO 10	
				Max M _z	67.13	-1.60	8.03	-0.61	5.33	0.66	CO 7	
				Min M _z	53.49	-0.60	4.54	-0.44	4.11	0.41	CO 10	
				Max N	22.53	1.49	11.01	0.40	1.61	0.73	CO 20	
				Min N	19.62	0.01	9.11	0.78	1.18	0.36	CO 27	
				Max V _y	21.82	1.50	11.50	0.42	1.49	0.75	CO 21	
				Min V _y	20.22	-0.00	8.62	0.75	1.30	0.33	CO 24	
				Max V _z	21.82	1.50	11.50	0.42	1.49	0.75	CO 21	
				Min V _z	20.22	-0.00	8.62	0.75	1.30	0.33	CO 24	
				Max M _T	20.21	0.01	8.86	0.79	1.23	0.36	CO 25	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
111	RC2	75	0.950	Min M _T	21.83	1.49	11.26	▷ 0.38	1.56	0.73	CO 16
				Max M _y	22.53	1.49	11.01	▷ 0.40	1.61	0.73	CO 20
				Min M _y	19.62	0.01	9.11	▷ 0.78	1.18	0.36	CO 27
				Max M _z	21.82	1.50	11.50	▷ 0.42	1.49	0.75	CO 21
				Min M _z	20.22	-0.00	8.62	▷ 0.75	1.30	0.33	CO 24
				Max N	49.24	-1.15	5.88	▷ -0.46	3.91	0.48	CO 21
				Min N	39.21	-0.41	3.33	▷ -0.33	3.02	0.30	CO 24
				Max V _y	40.19	▷ -0.40	3.82	▷ -0.36	3.03	0.31	CO 27
				Min V _y	48.26	▷ -1.16	5.39	▷ -0.44	3.90	0.46	CO 18
				Max V _z	49.24	-1.15	▷ 5.88	▷ -0.46	3.91	0.48	CO 21
				Min V _z	39.21	-0.41	▷ 3.33	▷ -0.33	3.02	0.30	CO 24
				Max M _T	39.21	-0.41	▷ 3.33	▷ -0.33	3.02	0.30	CO 24
				Min M _T	49.24	-1.15	5.88	▷ -0.46	3.91	0.48	CO 21
				Max M _y	49.24	-1.15	5.88	▷ -0.46	3.91	0.48	CO 21
				Min M _y	39.21	-0.41	3.33	▷ -0.33	3.02	0.30	CO 24
				Max M _z	49.24	-1.15	5.88	▷ -0.46	3.91	0.48	CO 21
				Min M _z	39.21	-0.41	3.33	▷ -0.33	3.02	0.30	CO 24
	RC6	87	0.000	Max N	51.60	1.80	1.45	▷ 1.95	3.25	1.13	LC 1-5
				Min N	-11.17	1.13	19.89	▷ -1.55	-0.25	0.21	LC 1-4
				Max V _y	34.18	▷ 2.08	7.60	▷ 2.05	1.96	1.29	LC 1-5
				Min V _y	6.25	▷ 0.86	13.75	▷ -1.65	1.05	0.05	LC 1-4
				Max V _z	-10.85	1.61	▷ 20.78	▷ -0.17	-0.59	0.72	LC 1-4
				Min V _z	51.29	1.32	▷ 0.56	▷ 0.57	3.60	0.62	LC 1-5
				Max M _T	41.31	2.00	▷ 5.14	▷ 2.29	2.43	1.33	LC 1-5
				Min M _T	-0.88	0.93	16.20	▷ -1.89	0.58	0.02	LC 1-4
				Max M _y	51.13	1.31	0.59	▷ 0.53	3.60	0.60	LC 1-5
				Min M _y	-10.70	1.62	20.76	▷ -0.12	-0.60	0.74	LC 1-4
				Max M _z	36.87	2.03	6.64	▷ 2.24	2.11	1.34	LC 1-5
				Min M _z	3.56	0.90	14.70	▷ -1.84	0.89	-0.00	LC 1-4
		75	0.950	Max N	52.07	-1.24	2.57	▷ -0.34	3.41	0.85	LC 1-5
				Min N	38.21	-0.56	7.71	▷ -0.70	3.89	-0.11	LC 1-4
				Max V _y	38.75	▷ -0.55	9.00	▷ -0.75	3.96	-0.12	LC 1-5
				Min V _y	51.53	▷ -1.25	1.28	▷ -0.29	3.34	0.85	LC 1-4
				Max V _z	46.51	-0.88	15.25	▷ -0.86	4.13	0.31	LC 1-4
				Min V _z	43.76	-0.93	▷ -4.96	▷ -0.19	3.18	0.42	LC 1-5
				Max M _T	48.18	-1.11	-3.36	▷ -0.08	3.16	0.71	LC 1-5
				Min M _T	42.10	-0.69	13.65	▷ -0.96	4.15	0.02	LC 1-4
				Max M _y	41.45	-0.65	13.77	▷ -0.93	4.19	-0.05	LC 1-4
				Min M _y	48.82	-1.15	-3.48	▷ -0.12	3.12	0.78	LC 1-5
				Max M _z	51.54	-1.24	0.82	▷ -0.26	3.30	0.88	LC 1-5
				Min M _z	38.74	-0.56	9.46	▷ -0.78	4.01	-0.15	LC 1-4
117	RC1	29	0.000	Max N	68.41	2.50	-8.06	▷ -2.64	5.59	0.49	CO 7
				Min N	49.24	1.07	-6.40	▷ -1.74	3.92	0.33	CO 10
				Max V _y	68.41	▷ 2.50	-8.06	▷ -2.64	5.59	0.49	CO 7
				Min V _y	49.24	▷ 1.07	-6.40	▷ -1.74	3.92	0.33	CO 10
				Max V _z	52.72	1.09	▷ -5.73	▷ -1.82	4.12	0.34	CO 13
				Min V _z	65.01	2.48	▷ -8.75	▷ -2.58	5.39	0.48	CO 6
				Max M _T	49.24	1.07	-6.40	▷ -1.74	3.92	0.33	CO 10
				Min M _T	68.41	2.50	-8.06	▷ -2.64	5.59	0.49	CO 7
				Max M _y	68.41	2.50	-8.06	▷ -2.64	5.59	0.49	CO 7
				Min M _y	49.24	1.07	-6.40	▷ -1.74	3.92	0.33	CO 10
				Max M _z	67.06	2.49	-8.37	▷ -2.62	5.50	0.49	CO 5
		70	0.950	Min M _z	50.67	1.08	-6.11	▷ -1.78	4.00	0.33	CO 14
				Max N	26.01	1.20	-14.79	▷ -3.74	2.47	0.08	CO 1
				Min N	13.64	1.61	-13.25	▷ -2.90	1.22	0.05	CO 12
				Max V _y	18.75	▷ 1.72	-12.55	▷ -2.97	1.70	0.01	CO 13
				Min V _y	20.89	▷ 1.09	-15.49	▷ -3.67	1.99	0.12	CO 4
				Max V _z	18.75	▷ 1.72	-12.55	▷ -2.97	1.70	0.01	CO 13
				Min V _z	20.84	1.11	▷ -15.51	▷ -3.70	1.99	0.11	CO 6
				Max M _T	13.68	1.59	-13.22	▷ -2.88	1.22	0.05	CO 10
				Min M _T	25.96	1.21	-14.82	▷ -3.77	2.47	0.08	CO 7
				Max M _y	26.01	1.20	-14.79	▷ -3.74	2.47	0.08	CO 1
				Min M _y	13.64	1.61	-13.25	▷ -2.90	1.22	0.05	CO 12
				Max M _z	20.89	1.09	-15.49	▷ -3.67	1.99	0.12	CO 4
	RC2	29	0.000	Min M _z	18.75	1.72	-12.55	▷ -2.97	1.70	0.01	CO 13
				Max N	50.21	1.80	-5.85	▷ -1.93	4.10	0.35	CO 21
				Min N	36.17	0.74	-4.59	▷ -1.27	2.87	0.23	CO 24
				Max V _y	50.21	▷ 1.80	-5.85	▷ -1.93	4.10	0.35	CO 21
				Min V _y	36.17	▷ 0.74	-4.59	▷ -1.27	2.87	0.23	CO 24
				Max V _z	38.59	0.76	▷ -4.13	▷ -1.32	3.01	0.24	CO 27
				Min V _z	47.85	1.79	▷ -6.34	▷ -1.89	3.96	0.35	CO 20
				Max M _T	36.17	0.74	-4.59	▷ -1.27	2.87	0.23	CO 24
				Min M _T	50.21	1.80	-5.85	▷ -1.93	4.10	0.35	CO 21
				Max M _y	50.21	1.80	-5.85	▷ -1.93	4.10	0.35	CO 21
				Min M _y	36.17	0.74	-4.59	▷ -1.27	2.87	0.23	CO 24
				Max M _z	49.21	1.79	-6.08	▷ -1.92	4.04	0.35	CO 19
		70	0.950	Min M _z	37.23	0.75	-4.38	▷ -1.29	2.94	0.23	CO 28
				Max N	19.27	0.88	-10.84	▷ -2.73	1.81	0.06	CO 15
				Min N	10.32	1.19	-9.67	▷ -2.11	0.91	0.03	CO 26
				Max V _y	13.90	▷ 1.27	-9.18	▷ -2.16	1.24	0.01	CO 27
				Min V _y	15.69	▷ 0.81	-11.33	▷ -2.69	1.48	0.08	CO 18
				Max V _z	13.90	1.27	▷ -9.18	▷ -2.16	1.24	0.01	CO 27
				Min V _z	15.65	0.82	▷ -11.35	▷ -2.70	1.48	0.08	CO 20
				Max M _T	10.36	1.18	-9.65	▷ -2.10	0.91	0.03	CO 24
				Min M _T	19.24	0.89	-10.86	▷ -2.75	1.81	0.06	CO 21
				Max M _y	19.27	0.88	-10.84	▷ -2.73	1.81	0.06	CO 15
				Min M _y	10.32	1.19	-9.67	▷ -2.11	0.91	0.03	CO 26
				Max M _z	15.69	0.81	-11.33	▷ -2.69	1.48	0.08	CO 18
	RC6	29	0.000	Min M _z	13.90	1.27	-9.18	▷ -2.16	1.24	0.01	CO 27
				Max N	80.76	1.41	4.86	▷ -1.86	6.54	0.20	LC 1-4
				Min N	9.94	1.29	-15.17	▷ -1.50	0.92	0.34	LC 1-5
				Max V _y	37.68	▷ 1.78	-9.09	▷ -2.75	2.78	0.73	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
117	RC6	70	0.950	Min V _y	53.02	0.92	-1.22	-0.61	4.68	-0.19	LC 1-4
				Max V _z	80.61	1.40	4.91	-1.82	6.54	0.19	LC 1-4
				Min V _z	10.09	1.31	-15.22	-1.55	0.92	0.36	LC 1-5
				Max M _T	52.14	0.92	-1.50	-0.61	4.60	-0.18	LC 1-4
				Min M _T	38.56	1.78	-8.81	-2.76	2.86	0.72	LC 1-5
				Max M _y	80.68	1.40	4.90	-1.83	6.54	0.19	LC 1-4
				Min M _y	10.02	1.30	-15.21	-1.53	0.92	0.35	LC 1-5
				Max M _z	31.33	1.77	-10.92	-2.70	2.27	0.74	LC 1-5
				Min M _z	59.37	0.94	0.61	-0.66	5.19	-0.20	LC 1-4
				Max N	82.83	0.68	-0.01	-1.97	7.64	-0.25	LC 1-4
				Min N	-47.92	1.01	-20.37	-2.80	-4.55	0.36	LC 1-5
				Max V _y	-17.66	4.14	-15.14	-5.13	0.39	-0.30	LC 1-5
				Min V _y	52.56	-2.45	-5.24	0.37	2.70	0.41	LC 1-4
				Max V _z	82.79	0.72	-0.01	-2.00	7.67	-0.25	LC 1-4
				Min V _z	-47.88	0.97	-20.37	-2.77	-4.58	0.36	LC 1-5
				Max M _T	55.84	-2.44	-4.73	0.38	3.02	0.39	LC 1-4
				Min M _T	-20.93	4.13	-15.65	-5.14	0.07	-0.28	LC 1-5
				Max M _y	81.70	0.97	-0.13	-2.20	7.73	-0.29	LC 1-4
				Min M _y	-46.79	0.73	-20.25	-2.56	-4.64	0.40	LC 1-5
				Max M _z	-20.15	-0.93	-16.33	-1.14	-3.20	0.53	LC 1-4
121	RC1	70	0.000	Min M _z	55.06	2.62	-4.05	-3.62	6.29	-0.42	LC 1-5
				Max N	25.37	3.09	-18.76	-3.68	2.60	-0.00	CO 1
				Min N	13.00	2.04	-14.61	-2.89	1.37	-0.00	CO 12
				Max V _y	25.31	3.10	-18.78	-3.70	2.60	-0.00	CO 7
				Min V _y	13.05	2.03	-14.59	-2.87	1.37	-0.00	CO 10
				Max V _z	18.14	2.18	-13.94	-2.96	1.84	-0.04	CO 13
				Min V _z	20.17	2.97	-19.46	-3.63	2.14	0.03	CO 6
				Max M _T	13.05	2.03	-14.59	-2.87	1.37	-0.00	CO 10
				Min M _T	25.31	3.10	-18.78	-3.70	2.60	-0.00	CO 7
				Max M _y	25.31	3.10	-18.78	-3.70	2.60	-0.00	CO 7
				Min M _y	13.05	2.03	-14.59	-2.87	1.37	-0.00	CO 10
				Max M _z	20.22	2.95	-19.43	-3.61	2.14	0.03	CO 4
				Min M _z	18.14	2.18	-13.94	-2.96	1.84	-0.04	CO 13
		86	0.950	Max N	-29.51	4.89	-17.59	-4.17	-4.88	-2.52	CO 13
				Min N	-44.16	8.37	-23.89	-4.30	-6.79	-3.06	CO 6
				Max V _y	-44.16	8.37	-23.89	-4.30	-6.79	-3.06	CO 6
				Min V _y	-29.51	4.89	-17.59	-4.17	-4.88	-2.52	CO 13
				Max V _z	-29.51	4.89	-17.59	-4.17	-4.88	-2.52	CO 13
				Min V _z	-44.16	8.37	-23.89	-4.30	-6.79	-3.06	CO 6
				Max M _T	-35.07	5.76	-18.87	-3.85	-6.09	-2.34	CO 10
				Min M _T	-41.31	7.64	-23.05	-4.61	-6.00	-3.22	CO 5
				Max M _y	-29.51	4.89	-17.59	-4.17	-4.88	-2.52	CO 13
				Min M _y	-44.16	8.37	-23.89	-4.30	-6.79	-3.06	CO 6
				Max M _z	-35.07	5.76	-18.87	-3.85	-6.09	-2.34	CO 10
				Min M _z	-38.47	7.49	-22.60	-4.59	-5.58	-3.23	CO 7
	RC2	70	0.000	Max N	18.80	2.23	-13.70	-2.69	1.91	-0.00	CO 15
				Min N	9.86	1.47	-10.60	-2.11	1.02	-0.00	CO 26
				Max V _y	18.77	2.25	-13.72	-2.70	1.91	-0.00	CO 21
				Min V _y	9.90	1.46	-10.58	-2.09	1.02	-0.00	CO 24
				Max V _z	13.46	1.56	-10.13	-2.16	1.34	-0.03	CO 27
				Min V _z	15.17	2.16	-14.19	-2.66	1.59	0.02	CO 20
				Max M _T	9.90	1.46	-10.58	-2.09	1.02	-0.00	CO 24
				Min M _T	18.77	2.25	-13.72	-2.70	1.91	-0.00	CO 21
				Max M _y	18.77	2.25	-13.72	-2.70	1.91	-0.00	CO 21
				Min M _y	9.90	1.46	-10.58	-2.09	1.02	-0.00	CO 24
				Max M _z	15.20	2.14	-14.17	-2.64	1.59	0.02	CO 18
				Min M _z	13.46	1.56	-10.13	-2.16	1.34	-0.03	CO 27
		86	0.950	Max N	-21.22	3.66	-12.87	-3.00	-3.57	-1.83	CO 27
				Min N	-31.86	6.18	-17.48	-3.12	-4.93	-2.24	CO 20
				Max V _y	-31.86	6.18	-17.48	-3.12	-4.93	-2.24	CO 20
				Min V _y	-21.22	3.66	-12.87	-3.00	-3.57	-1.83	CO 27
				Max V _z	-21.22	3.66	-12.87	-3.00	-3.57	-1.83	CO 27
				Min V _z	-31.86	6.18	-17.48	-3.12	-4.93	-2.24	CO 20
				Max M _T	-25.13	4.25	-13.76	-2.78	-4.40	-1.71	CO 24
				Min M _T	-29.96	5.70	-16.92	-3.32	-4.40	-2.35	CO 19
				Max M _y	-21.22	3.66	-12.87	-3.00	-3.57	-1.83	CO 27
				Min M _y	-31.86	6.18	-17.48	-3.12	-4.93	-2.24	CO 20
				Max M _z	-25.13	4.25	-13.76	-2.78	-4.40	-1.71	CO 24
				Min M _z	-27.86	5.58	-16.58	-3.31	-4.09	-2.35	CO 21
	RC6	70	0.000	Max N	83.30	2.03	-2.50	-1.94	7.49	-0.24	LC 1-4
				Min N	-49.24	1.52	-22.10	-2.77	-4.22	0.25	LC 1-5
				Max V _y	-14.55	5.26	-17.02	-5.00	1.14	-0.36	LC 1-5
				Min V _y	48.61	-1.71	-7.58	0.29	2.13	0.37	LC 1-4
				Max V _z	83.29	2.02	-2.50	-1.94	7.49	-0.24	LC 1-4
				Min V _z	-49.22	1.52	-22.10	-2.77	-4.22	0.25	LC 1-5
				Max M _T	56.69	-1.66	-6.39	0.32	2.86	0.33	LC 1-4
				Min M _T	-22.63	5.20	-18.22	-5.03	0.41	-0.32	LC 1-5
				Max M _y	81.77	2.40	-2.73	-2.21	7.60	-0.28	LC 1-4
				Min M _y	-47.71	1.14	-21.88	-2.50	-4.33	0.29	LC 1-5
				Max M _z	-19.06	-0.52	-17.60	-1.11	-2.93	0.42	LC 1-4
				Min M _z	53.12	4.07	-7.01	-3.60	6.19	-0.41	LC 1-5
		86	0.950	Max N	55.04	13.99	-7.25	6.30	8.18	0.16	LC 1-4
				Min N	-104.48	-2.23	-23.93	-11.41	-16.23	-4.16	LC 1-5
				Max V _y	9.20	21.40	-18.93	8.22	-3.17	1.33	LC 1-4
				Min V _y	-58.65	-9.65	-12.24	-13.33	-4.88	-5.34	LC 1-5
				Max V _z	42.31	-0.27	-0.57	-3.37	11.91	-3.83	LC 1-4
				Min V _z	-91.76	12.02	-30.60	-1.74	-19.97	-0.18	LC 1-5
				Max M _T	26.49	20.57	-15.76	8.78	0.20	1.49	LC 1-4
				Min M _T	-75.94	-8.82	-15.41	-13.89	-8.26	-5.49	LC 1-5
				Max M _y	48.18	2.02	-0.87	-1.80	12.29	-3.41	LC 1-4
				Min M _y	-97.63	9.73	-30.30	-3.31	-20.35	-0.59	LC 1-5
				Max M _z	19.03	19.63	-16.73	8.20	-1.37	1.74	LC 1-4

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
121 123	RC6	75	0.000	Min M _z	-68.47	-7.88	-14.45	-13.31	-6.69	-5.74	LC 1-5		
	Max N			66.98	2.06	5.20	-1.61	5.35	0.67	CO 7			
	Min N			53.53	0.78	2.96	-0.60	4.10	0.41	CO 10			
	Max V _y			66.98	2.06	5.20	-1.61	5.35	0.67	CO 7			
	Min V _y			53.53	0.78	2.96	-0.60	4.10	0.41	CO 10			
	Max V _z			66.82	2.05	5.21	-1.60	5.34	0.66	CO 1			
	Min V _z			53.69	0.79	2.94	-0.61	4.10	0.42	CO 12			
	Max M _T			53.53	0.78	2.96	-0.60	4.10	0.41	CO 10			
	Min M _T			66.98	2.06	5.20	-1.61	5.35	0.67	CO 7			
	Max M _y			66.98	2.06	5.20	-1.61	5.35	0.67	CO 7			
	Min M _y			53.53	0.78	2.96	-0.60	4.10	0.41	CO 10			
	Max M _z			66.98	2.06	5.20	-1.61	5.35	0.67	CO 7			
	Min M _z			53.53	0.78	2.96	-0.60	4.10	0.41	CO 10			
	Max N			68.45	-1.45	-2.24	-2.61	5.59	0.53	CO 7			
	Min N			49.27	-0.26	-4.27	-1.81	3.91	0.35	CO 10			
	Max V _y			52.73	-0.24	-3.60	-1.89	4.12	0.36	CO 13			
	Min V _y			64.99	-1.47	-2.91	-2.53	5.39	0.52	CO 4			
	Max V _z			68.38	-1.46	-2.22	-2.59	5.59	0.53	CO 1			
	Min V _z			49.34	-0.25	-4.29	-1.83	3.92	0.35	CO 12			
	Max M _T			49.27	-0.26	-4.27	-1.81	3.91	0.35	CO 10			
	Min M _T			68.45	-1.45	-2.24	-2.61	5.59	0.53	CO 7			
	Max M _y			68.45	-1.45	-2.24	-2.61	5.59	0.53	CO 7			
	Min M _y			49.27	-0.26	-4.27	-1.81	3.91	0.35	CO 10			
	Max M _z			67.10	-1.46	-2.55	-2.59	5.51	0.53	CO 5			
	Min M _z			50.69	-0.25	-3.98	-1.85	4.00	0.35	CO 14			
	RC2			75	0.000	Max N	49.13	1.48	3.84	-1.18	3.93	0.48	CO 21
	Min N					39.24	0.54	2.21	-0.44	3.00	0.30	CO 24	
	Max V _y	49.13	1.48			3.84	-1.18	3.93	0.48	CO 21			
	Min V _y	39.24	0.54			2.21	-0.44	3.00	0.30	CO 24			
	Max V _z	49.01	1.48			3.86	-1.17	3.93	0.48	CO 15			
	Min V _z	39.35	0.55			2.20	-0.44	3.01	0.30	CO 26			
	Max M _T	39.24	0.54			2.21	-0.44	3.00	0.30	CO 24			
	Min M _T	49.13	1.48			3.84	-1.18	3.93	0.48	CO 21			
	Max M _y	49.13	1.48			3.84	-1.18	3.93	0.48	CO 21			
	Min M _y	39.24	0.54			2.21	-0.44	3.00	0.30	CO 24			
	Max M _z	49.13	1.48			3.84	-1.18	3.93	0.48	CO 21			
	Min M _z	39.24	0.54			2.21	-0.44	3.00	0.30	CO 24			
	Max N	50.24	-1.04			-1.67	-1.91	4.10	0.38	CO 21			
	Min N	36.19	-0.15			-3.14	-1.32	2.87	0.25	CO 24			
	Max V _y	38.60	-0.14			-2.67	-1.37	3.01	0.25	CO 27			
	Min V _y	47.83	-1.05			-2.14	-1.86	3.96	0.38	CO 18			
	Max V _z	50.19	-1.04			-1.65	-1.90	4.10	0.38	CO 15			
	Min V _z	36.25	-0.15			-3.16	-1.33	2.88	0.25	CO 26			
	Max M _T	36.19	-0.15			-3.14	-1.32	2.87	0.25	CO 24			
	Min M _T	50.24	-1.04			-1.67	-1.91	4.10	0.38	CO 21			
	Max M _y	50.24	-1.04			-1.67	-1.91	4.10	0.38	CO 21			
	Min M _y	36.19	-0.15			-3.14	-1.32	2.87	0.25	CO 24			
	Max M _z	49.24	-1.04			-1.90	-1.90	4.04	0.39	CO 19			
	Min M _z	37.25	-0.15			-2.92	-1.34	2.94	0.25	CO 28			
	RC6	75	0.000			Max N	52.02	1.61	0.14	-0.69	3.42	0.84	LC 1-5
	Min N					38.09	0.67	6.81	-1.40	3.90	-0.10	LC 1-4	
	Max V _y					51.47	1.64	-2.23	-0.58	3.32	0.87	LC 1-5	
	Min V _y			38.64	0.64	9.17	-1.51	4.01	-0.14	LC 1-4			
	Max V _z			46.73	1.05	13.78	-1.41	4.02	0.32	LC 1-4			
	Min V _z			43.38	1.23	-6.83	-0.68	3.31	0.42	LC 1-5			
	Max M _T			48.91	1.55	-5.85	-0.46	3.23	0.77	LC 1-5			
	Min M _T			41.20	0.73	12.79	-1.63	4.09	-0.03	LC 1-4			
	Max M _y			41.38	0.73	12.75	-1.59	4.12	-0.05	LC 1-4			
	Min M _y			48.73	1.55	-5.80	-0.50	3.20	0.79	LC 1-5			
	Max M _z			51.45	1.63	-1.72	-0.60	3.32	0.88	LC 1-5			
	Min M _z			38.66	0.65	8.67	-1.49	4.00	-0.14	LC 1-4			
	Max N			80.44	-0.86	8.24	-1.85	6.63	0.22	LC 1-4			
	Min N			10.33	-0.59	-12.29	-1.49	0.83	0.37	LC 1-5			
	Max V _y			21.26	-0.44	-10.32	-2.59	1.47	0.75	LC 1-5			
	Min V _y			69.51	-1.00	6.26	-0.74	5.99	-0.16	LC 1-4			
	Max V _z			80.34	-0.86	8.27	-1.81	6.64	0.21	LC 1-4			
	Min V _z			10.43	-0.58	-12.33	-1.52	0.82	0.38	LC 1-5			
	Max M _T			52.44	-0.96	1.43	-0.50	4.60	-0.16	LC 1-4			
	Min M _T			38.33	-0.49	-5.48	-2.83	2.85	0.75	LC 1-5			
	Max M _y			80.38	-0.86	8.27	-1.82	6.64	0.21	LC 1-4			
	Min M _y			10.39	-0.58	-12.32	-1.52	0.82	0.38	LC 1-5			
	Max M _z			30.96	-0.46	-7.69	-2.77	2.23	0.77	LC 1-5			
	Min M _z			59.81	-0.98	3.64	-0.56	5.23	-0.18	LC 1-4			
126	RC1			79	0.000	Max N	4.75	0.38	-2.67	-0.63	-0.01	0.56	CO 11
						Min N	0.43	1.50	-7.99	-0.37	0.02	0.74	CO 2
						Max V _y	3.38	1.55	-5.66	-0.41	0.14	0.76	CO 3
		Min V _y	1.80			0.33	-5.00	-0.59	-0.13	0.54	CO 14		
		Max V _z	4.75			0.38	-2.67	-0.63	-0.01	0.56	CO 11		
		Min V _z	0.43			1.50	-7.99	-0.37	0.02	0.74	CO 2		
		Max M _T	1.39			1.52	-6.68	-0.35	-0.01	0.77	CO 1		
		Min M _T	3.79			0.36	-3.98	-0.65	0.02	0.53	CO 12		
		Max M _y	2.52			1.53	-6.96	-0.44	0.18	0.74	CO 6		
		Min M _y	2.76			0.35	-3.69	-0.57	-0.17	0.56	CO 13		
		Max M _z	1.49			1.52	-6.67	-0.35	-0.01	0.78	CO 7		
		Min M _z	3.70			0.36	-3.98	-0.65	0.02	0.52	CO 10		
		Max N	-7.18			10.50	-8.55	-1.95	-2.12	-2.41	CO 11		
		Min N	-22.06			11.71	-14.35	-1.73	-3.99	-2.74	CO 2		
		Max V _y	-18.64			12.13	-12.89	-1.75	-3.45	-2.90	CO 7		
		Min V _y	-10.60			10.09	-10.02	-1.94	-2.66	-2.25	CO 10		
		Max V _z	-7.27			10.40	-8.53	-1.93	-2.12	-2.38	CO 9		
		Min V _z	-21.97			11.82	-14.37	-1.75	-4.00	-2.77	CO 8		
		Max M _T	-18.73			12.02	-12.87	-1.73	-3.45	-2.88	CO 1		



4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
126	RC1			Min M _T	-10.51	10.20	-10.03	▷	-1.96	-2.67	CO 12
				Max M _y	-7.27	10.40	-8.53	▷	-1.93	-2.12	CO 9
				Min M _y	-21.97	11.82	-14.37	▷	-1.75	-4.00	CO 8
				Max M _z	-14.54	10.22	-11.16	▷	-1.94	-3.20	CO 14
				Min M _z	-14.61	12.10	-11.75	▷	-1.77	-2.92	CO 5
		79	0.000	Max N	▷	3.12	0.24	-2.02	-0.43	-0.03	CO 25
				Min N	▷	0.00	1.07	-5.86	-0.23	-0.00	CO 16
				Max V _y	▷	2.11	1.11	-4.23	-0.27	0.09	CO 17
				Min V _y	▷	1.01	0.21	-3.65	-0.39	-0.12	CO 28
				Max V _z	▷	3.12	0.24	-2.02	-0.43	-0.03	CO 25
				Min V _z	▷	0.00	1.07	-5.86	-0.23	-0.00	CO 16
				Max M _T	▷	0.64	1.09	-4.99	-0.22	-0.03	CO 15
				Min M _T	▷	2.49	0.23	-2.89	-0.44	-0.01	CO 26
				Max M _y	▷	1.55	1.09	-5.10	-0.28	0.11	CO 20
				Min M _y	▷	1.65	0.22	-2.78	-0.38	-0.14	CO 27
				Max M _z	▷	0.71	1.09	-4.99	-0.22	-0.03	CO 21
		82	0.745	Min M _z	▷	2.42	0.23	-2.89	-0.44	-0.01	CO 24
				Max N	▷	-5.72	7.54	-6.37	-1.39	-1.61	CO 25
				Min N	▷	-16.49	8.46	-10.55	-1.23	-2.95	CO 16
				Max V _y	▷	-14.21	8.74	-9.58	-1.24	-2.59	CO 21
				Min V _y	▷	-8.01	7.26	-7.34	-1.38	-1.97	CO 24
				Max V _z	▷	-5.79	7.46	-6.35	-1.38	-1.60	CO 23
				Min V _z	▷	-16.43	8.54	-10.56	-1.25	-2.95	CO 22
				Max M _T	▷	-14.28	8.67	-9.57	-1.23	-2.59	CO 15
				Min M _T	▷	-7.94	7.34	-7.35	-1.40	-1.97	CO 26
				Max M _y	▷	-5.79	7.46	-6.35	-1.38	-1.60	CO 23
				Min M _y	▷	-16.43	8.54	-10.56	-1.25	-2.95	CO 22
				Max M _z	▷	-10.92	7.36	-8.19	-1.38	-2.36	CO 28
		79	0.000	Min M _z	▷	-11.23	8.73	-8.74	-1.26	-2.20	CO 19
				Max N	▷	19.35	0.14	-35.79	1.03	0.70	LC 1-5
				Min N	▷	-20.80	1.42	26.97	-0.98	-0.84	LC 1-4
				Max V _y	▷	-18.67	1.47	28.66	-0.92	-0.80	LC 1-5
				Min V _y	▷	17.21	0.09	-37.48	0.97	0.66	LC 1-4
				Max V _z	▷	-19.03	1.46	28.76	-0.93	-0.81	LC 1-5
				Min V _z	▷	17.58	0.09	-37.58	0.98	0.67	LC 1-4
				Max M _T	▷	14.29	0.34	-26.17	1.61	0.45	LC 1-4
				Min M _T	▷	-15.75	1.21	17.35	-1.56	-0.60	LC 1-5
				Max M _y	▷	19.06	0.10	-36.92	0.94	0.71	LC 1-5
				Min M _y	▷	-20.52	1.45	28.10	-0.89	-0.85	LC 1-4
				Max M _z	▷	5.48	0.35	-23.72	-1.05	0.31	LC 1-5
		82	0.745	Min M _z	▷	-6.94	1.21	14.90	1.10	-0.45	LC 1-4
				Max N	▷	29.69	6.41	28.98	-0.58	11.05	LC 1-5
				Min N	▷	-57.58	7.12	-46.60	-1.15	-15.86	LC 1-4
				Max V _y	▷	-33.20	20.55	-22.89	-3.64	-8.28	LC 1-5
				Min V _y	▷	5.31	-7.02	5.27	1.91	3.47	LC 1-4
				Max V _z	▷	29.54	6.66	29.11	-0.63	11.07	LC 1-5
				Min V _z	▷	-57.42	6.87	-46.74	-1.10	-15.88	LC 1-4
				Max M _T	▷	6.57	-6.93	6.37	1.93	3.87	LC 1-4
				Min M _T	▷	-34.45	20.46	-24.00	-3.66	-8.68	LC 1-5
				Max M _y	▷	29.61	6.47	29.09	-0.59	11.08	LC 1-5
				Min M _y	▷	-57.49	7.07	-46.71	-1.14	-15.89	LC 1-4
				Max M _z	▷	-38.68	-1.13	-32.16	0.53	-10.19	LC 1-4
129	RC1	83	0.000	Min M _z	▷	10.80	14.66	14.53	-2.26	5.38	LC 1-5
				Max N	▷	1.14	-1.13	3.16	1.34	-0.15	CO 14
				Min N	▷	-6.10	-0.58	5.91	1.95	-0.80	CO 3
				Max V _y	▷	-2.93	-0.47	4.56	1.80	-0.36	CO 4
				Min V _y	▷	-2.02	-1.24	4.50	1.49	-0.59	CO 13
				Max V _z	▷	-6.07	-0.60	5.92	1.97	-0.80	CO 5
				Min V _z	▷	1.14	-1.13	3.16	1.34	-0.15	CO 14
				Max M _T	▷	-4.94	-0.61	4.90	2.03	-0.70	CO 7
				Min M _T	▷	-0.02	-1.09	4.16	1.27	-0.25	CO 10
				Max M _y	▷	1.14	-1.13	3.16	1.34	-0.15	CO 14
				Min M _y	▷	-6.10	-0.58	5.91	1.95	-0.80	CO 3
				Max M _z	▷	-6.07	-0.60	5.92	1.97	-0.80	CO 5
		79	0.928	Min M _z	▷	1.14	-1.13	3.16	1.34	-0.15	CO 14
				Max N	▷	4.78	0.19	-0.82	-0.61	-0.04	CO 11
				Min N	▷	0.69	-0.98	-2.67	-0.25	-0.06	CO 2
				Max V _y	▷	4.78	0.19	-0.82	-0.61	-0.04	CO 11
				Min V _y	▷	0.69	-0.98	-2.67	-0.25	-0.06	CO 2
				Max V _z	▷	3.56	-0.92	-0.29	-0.29	0.10	CO 5
				Min V _z	▷	2.00	0.14	-3.21	-0.58	-0.20	CO 14
				Max M _T	▷	1.54	-0.95	-1.31	-0.22	-0.06	CO 1
				Min M _T	▷	3.93	0.16	-2.18	-0.64	-0.03	CO 12
				Max M _y	▷	2.72	-0.96	-1.63	-0.31	0.11	CO 6
				Min M _y	▷	2.85	0.17	-1.86	-0.55	-0.21	CO 13
				Max M _z	▷	1.64	-0.95	-1.30	-0.23	-0.06	CO 7
		83	0.000	Min M _z	▷	3.83	0.16	-2.19	-0.63	-0.03	CO 10
				Max N	▷	0.71	-0.84	2.29	1.00	-0.13	CO 28
				Min N	▷	-4.42	-0.43	4.22	1.44	-0.58	CO 17
				Max V _y	▷	-2.31	-0.35	3.33	1.34	-0.29	CO 18
				Min V _y	▷	-1.40	-0.91	3.18	1.10	-0.42	CO 27
				Max V _z	▷	-4.40	-0.44	4.23	1.45	-0.58	CO 19
				Min V _z	▷	0.71	-0.84	2.29	1.00	-0.13	CO 28
				Max M _T	▷	-3.56	-0.45	3.48	1.50	-0.50	CO 21
				Min M _T	▷	-0.16	-0.82	3.03	0.95	-0.21	CO 24
				Max M _y	▷	0.71	-0.84	2.29	1.00	-0.13	CO 28
				Min M _y	▷	-4.42	-0.43	4.22	1.44	-0.58	CO 17
				Max M _z	▷	-4.40	-0.44	4.23	1.45	-0.58	CO 19
		79	0.928	Min M _z	▷	0.71	-0.84	2.29	1.00	-0.13	CO 28
				Max N	▷	3.15	0.16	-0.77	-0.42	-0.05	CO 25
				Min N	▷	0.19	-0.71	-2.04	-0.14	-0.07	CO 16
				Max V _y	▷	3.15	0.16	-0.77	-0.42	-0.05	CO 25



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
129	RC2			Min V _y	0.19	▷ -0.71	-2.04	-0.14	-0.07	0.57	CO 16
				Max V _z	2.25	▷ -0.66	-0.36	-0.18	0.06	0.58	CO 19
				Min V _z	1.16	▷ 0.12	-2.44	-0.39	-0.17	0.41	CO 28
				Max M _T	0.75	▷ -0.68	-1.13	▷ -0.13	-0.07	0.58	CO 15
				Min M _T	2.59	▷ 0.14	-1.67	▷ -0.44	-0.05	0.41	CO 26
				Max M _y	1.69	▷ -0.69	-1.26	▷ 0.06	0.06	0.56	CO 20
				Min M _y	1.72	▷ 0.14	-1.54	▷ -0.37	-0.17	0.43	CO 27
				Max M _z	0.82	▷ -0.68	-1.13	▷ -0.13	-0.07	0.59	CO 21
				Min M _z	2.51	▷ 0.14	-1.68	▷ -0.43	-0.05	0.40	CO 24
				Max N	▷ 111.32	-1.06	-30.72	1.88	10.84	-0.46	LC 1-4
				Min N	▷ -118.65	0.19	36.96	0.91	-11.87	1.09	LC 1-5
	RC6	83	0.000	Max V _y	▷ -63.53	▷ 1.63	23.46	0.84	-8.39	1.01	LC 1-4
				Min V _y	▷ 56.20	▷ -2.51	-17.22	1.95	7.35	-0.38	LC 1-5
				Max V _z	▷ -118.46	▷ 0.24	37.02	0.91	-11.92	1.10	LC 1-5
				Min V _z	▷ 111.13	▷ -1.11	-30.78	1.89	10.88	-0.47	LC 1-4
				Max M _T	▷ 81.27	▷ -2.31	-24.44	▷ 2.04	9.54	-0.51	LC 1-4
				Min M _T	▷ -88.59	▷ 1.44	30.68	▷ 0.76	-10.57	1.14	LC 1-5
				Max M _y	▷ 110.81	▷ -1.14	-30.75	▷ 1.89	10.89	-0.48	LC 1-4
				Min M _y	▷ -118.14	▷ 0.27	36.99	▷ 0.90	-11.93	1.11	LC 1-5
				Max M _z	▷ -90.45	▷ 1.41	31.15	▷ 0.76	-10.70	1.15	LC 1-5
				Min M _z	▷ 83.12	▷ -2.28	-24.91	▷ 2.04	9.67	-0.52	LC 1-4
		79	0.928	Max N	▷ 22.14	-1.13	-34.03	0.95	-0.06	0.69	LC 1-5
				Min N	▷ -23.38	▷ 0.17	30.96	▷ -0.80	-0.17	0.22	LC 1-4
				Max V _y	▷ -17.91	▷ 0.43	21.79	▷ -1.42	-0.19	0.51	LC 1-5
				Min V _y	▷ 16.68	▷ -1.40	-24.85	▷ 1.57	-0.04	0.40	LC 1-4
				Max V _z	▷ -21.76	▷ 0.16	32.35	▷ -0.78	-0.10	0.19	LC 1-5
				Min V _z	▷ 20.53	▷ -1.13	-35.41	▷ 0.94	-0.13	0.72	LC 1-4
				Max M _T	▷ 15.77	▷ -1.39	-23.40	▷ 1.58	-0.04	0.38	LC 1-4
				Min M _T	▷ -17.01	▷ 0.42	20.34	▷ -1.43	-0.19	0.53	LC 1-5
				Max M _y	▷ 0.08	▷ -1.06	7.95	▷ 1.34	0.10	-0.01	LC 1-5
				Min M _y	▷ -1.32	▷ 0.10	-11.01	▷ -1.18	-0.32	0.92	LC 1-4
				Max M _z	▷ 10.37	▷ -0.15	-24.94	▷ -0.85	-0.24	1.03	LC 1-5
				Min M _z	▷ -11.61	▷ -0.82	21.88	▷ 1.01	0.01	-0.12	LC 1-4
132	RC1	91	0.000	Max N	▷ -17.63	-6.28	19.22	2.78	-3.73	-0.52	CO 12
				Min N	▷ -30.18	▷ -7.17	24.31	3.73	-5.27	-0.47	CO 1
				Max V _y	▷ -17.74	▷ -6.22	19.21	2.75	-3.72	-0.51	CO 10
				Min V _y	▷ -28.21	▷ -7.27	24.00	3.74	-5.12	-0.49	CO 5
				Max V _z	▷ -30.08	▷ -7.23	24.33	3.76	-5.28	-0.48	CO 7
				Min V _z	▷ -17.74	▷ -6.22	19.21	2.75	-3.72	-0.51	CO 10
				Max M _T	▷ -30.08	▷ -7.23	24.33	▷ 3.76	-5.28	-0.48	CO 7
				Min M _T	▷ -17.74	▷ -6.22	19.21	▷ 2.75	-3.72	-0.51	CO 10
				Max M _y	▷ -17.74	▷ -6.22	19.21	▷ 2.75	-3.72	-0.51	CO 10
				Min M _y	▷ -30.08	▷ -7.23	24.33	▷ 3.76	-5.28	-0.48	CO 7
				Max M _z	▷ -30.18	▷ -7.17	24.31	3.73	-5.27	-0.47	CO 1
				Min M _z	▷ -17.63	▷ -6.28	19.22	2.78	-3.73	-0.52	CO 12
		87	0.928	Max N	▷ 30.27	-1.75	15.56	2.06	2.37	0.97	CO 6
				Min N	▷ 26.75	0.15	12.49	1.04	1.66	0.44	CO 13
				Max V _y	▷ 26.75	0.15	12.49	1.04	1.66	0.44	CO 13
				Min V _y	▷ 30.11	▷ -1.76	15.55	2.05	2.37	0.97	CO 4
				Max V _z	▷ 29.27	▷ -1.75	16.28	2.10	2.20	1.00	CO 7
				Min V _z	▷ 27.59	▷ 0.14	11.76	0.99	1.83	0.40	CO 10
				Max M _T	▷ 30.07	▷ -1.75	15.93	▷ 2.11	2.27	1.00	CO 5
				Min M _T	▷ 26.95	0.15	12.11	▷ 0.99	1.77	0.41	CO 14
				Max M _y	▷ 30.27	▷ -1.75	15.56	▷ 2.06	2.37	0.97	CO 6
				Min M _y	▷ 26.75	0.15	12.49	▷ 1.04	1.66	0.44	CO 13
				Max M _z	▷ 29.27	▷ -1.75	16.28	▷ 2.10	2.20	1.00	CO 7
				Min M _z	▷ 27.59	▷ 0.14	11.76	▷ 0.99	1.83	0.40	CO 10
	RC2	91	0.000	Max N	▷ -13.18	-4.54	14.19	2.02	-2.76	-0.37	CO 26
				Min N	▷ -22.39	▷ -5.18	17.92	2.71	-3.88	-0.34	CO 15
				Max V _y	▷ -13.26	▷ -4.49	14.18	2.00	-2.75	-0.36	CO 24
				Min V _y	▷ -20.92	▷ -5.26	17.69	2.72	-3.76	-0.35	CO 19
				Max V _z	▷ -22.31	▷ -5.23	17.93	2.74	-3.88	-0.34	CO 21
				Min V _z	▷ -13.26	▷ -4.49	14.18	2.00	-2.75	-0.36	CO 24
				Max M _T	▷ -22.31	▷ -5.23	17.93	▷ 2.74	-3.88	-0.34	CO 21
				Min M _T	▷ -13.26	▷ -4.49	14.18	▷ 2.00	-2.75	-0.36	CO 24
				Max M _y	▷ -13.26	▷ -4.49	14.18	▷ 2.00	-2.75	-0.36	CO 24
				Min M _y	▷ -22.31	▷ -5.23	17.93	▷ 2.74	-3.88	-0.34	CO 21
				Max M _z	▷ -22.39	▷ -5.18	17.92	▷ 2.71	-3.88	-0.34	CO 15
				Min M _z	▷ -13.18	▷ -4.54	14.19	2.02	-2.76	-0.37	CO 26
		87	0.928	Max N	▷ 22.12	-1.31	11.48	1.50	1.75	0.72	CO 20
				Min N	▷ 19.53	0.11	9.18	0.74	1.23	0.32	CO 27
				Max V _y	▷ 19.53	▷ 0.11	9.18	0.74	1.23	0.32	CO 27
				Min V _y	▷ 22.01	▷ -1.31	11.48	1.50	1.74	0.71	CO 18
				Max V _z	▷ 21.40	▷ -1.30	11.99	1.53	1.63	0.74	CO 21
				Min V _z	▷ 20.14	▷ 0.10	8.67	0.71	1.34	0.29	CO 24
				Max M _T	▷ 21.99	▷ -1.30	11.73	▷ 1.54	1.67	0.73	CO 19
				Min M _T	▷ 19.66	0.11	8.93	▷ 0.71	1.30	0.30	CO 28
				Max M _y	▷ 22.12	▷ -1.31	11.48	▷ 1.50	1.75	0.72	CO 20
				Min M _y	▷ 19.53	0.11	9.18	▷ 0.74	1.23	0.32	CO 27
				Max M _z	▷ 21.40	▷ -1.30	11.99	▷ 1.53	1.63	0.74	CO 21
				Min M _z	▷ 20.14	▷ 0.10	8.67	▷ 0.71	1.34	0.29	CO 24
	RC6	91	0.000	Max N	▷ 37.55	-4.39	4.33	2.21	3.24	-0.97	LC 1-5
				Min N	▷ -79.27	▷ -3.95	29.50	2.41	-10.27	0.51	LC 1-4
				Max V _y	▷ -41.81	▷ 3.35	20.86	▷ -1.21	-5.66	1.17	LC 1-4
				Min V _y	▷ 0.09	▷ -11.69	12.96	5.83	-1.38	-1.64	LC 1-5
				Max V _z	▷ -79.20	▷ -4.04	29.52	2.45	-10.28	0.49	LC 1-4
				Min V _z	▷ 37.48	▷ -4.30	4.31	2.17	3.24	-0.96	LC 1-5
				Max M _T	▷ -0.19	▷ -11.66	13.02	▷ 5.84	-1.42	-1.63	LC 1-5
				Min M _T	▷ -41.53	▷ 3.32	20.81	▷ -1.23	-5.62	1.16	LC 1-4
				Max M _y	▷ 36.84	▷ -4.01	4.33	▷ 2.07	3.26	-0.92	LC 1-4
				Min M _y	▷ -78.56	▷ -4.33	29.50	▷ 2.54	-10.29	0.45	LC 1-5
				Max M _z	▷ -63.46	▷ 2.57	25.62	▷ -0.78	-8.21	1.31	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases					
				N	V _y	V _z	M _T	M _y	M _z						
132	RC6	87	0.928	Min M _z	21.74	-10.91	8.20	5.40	1.17	-1.78	LC 1-5				
				Max N	52.00	-1.87	2.98	2.91	3.16	1.10	LC 1-5				
				Min N	-12.41	-0.77	19.31	-0.29	0.12	0.24	LC 1-4				
				Max V _y	2.38	-0.53	13.30	-0.41	1.13	0.06	LC 1-4				
				Min V _y	37.20	-2.11	8.99	3.03	2.15	1.28	LC 1-5				
				Max V _z	-11.54	-1.38	21.72	0.95	-0.24	0.74	LC 1-4				
				Min V _z	51.13	-1.26	0.57	1.67	3.52	0.60	LC 1-5				
				Max M _T	42.70	-2.04	6.73	3.17	2.49	1.27	LC 1-5				
				Min M _T	-3.11	-0.60	15.56	-0.55	0.79	0.07	LC 1-4				
				Max M _y	51.34	-1.28	0.61	1.68	3.53	0.61	LC 1-5				
				Min M _y	-11.76	-1.36	21.68	0.93	-0.25	0.73	LC 1-4				
				Max M _z	37.15	-2.08	8.78	3.11	2.14	1.30	LC 1-5				
				Min M _z	2.44	-0.56	13.51	-0.50	1.14	0.04	LC 1-4				
				135	RC1	93	0.000	Max N	15.77	1.71	-5.11	-1.26	1.16	0.34	CO 13
								Min N	10.07	3.19	-10.30	-2.26	0.88	0.65	CO 4
								Max V _y	10.79	3.21	-10.33	-2.27	0.95	0.65	CO 8
								Min V _y	15.04	1.69	-5.08	-1.26	1.09	0.34	CO 9
								Max V _z	15.29	1.69	-5.03	-1.25	1.12	0.34	CO 11
Min V _z	10.55	3.20	-10.39					-2.28	0.92	0.65	CO 2				
Max M _T	12.40	1.70	-6.02					-1.23	0.91	0.35	CO 12				
Min M _T	13.43	3.19	-9.39					-2.30	1.13	0.63	CO 1				
Max M _y	15.77	1.71	-5.11					-1.26	1.16	0.34	CO 13				
Min M _y	10.07	3.19	-10.30					-2.26	0.88	0.65	CO 4				
Max M _z	10.32	3.20	-10.25					-2.26	0.90	0.65	CO 6				
Min M _z	15.77	1.71	-5.11					-1.26	1.16	0.34	CO 13				
135	88	0.933	Max N					-6.06	-2.09	-3.39	-2.70	1.09	-1.09	CO 13	
			Min N					-24.76	-0.78	-7.23	-3.56	-1.11	-1.65	CO 4	
			Max V _y					-24.76	-0.78	-7.23	-3.56	-1.11	-1.65	CO 4	
			Min V _y					-6.06	-2.09	-3.39	-2.70	1.09	-1.09	CO 13	
			Max V _z					-6.27	-2.05	-3.34	-2.66	1.07	-1.08	CO 11	
			Min V _z					-24.55	-0.81	-7.28	-3.60	-1.08	-1.66	CO 2	
			Max M _T	-6.68	-1.96	-3.41	-2.63	1.01	-1.09	CO 9					
			Min M _T	-24.14	-0.91	-7.20	-3.63	-1.03	-1.65	CO 8					
			Max M _y	-6.06	-2.09	-3.39	-2.70	1.09	-1.09	CO 13					
			Min M _y	-24.76	-0.78	-7.23	-3.56	-1.11	-1.65	CO 4					
			Max M _z	-11.54	-1.94	-4.51	-2.71	0.35	-1.05	CO 12					
			Min M _z	-19.28	-0.93	-6.11	-3.55	-0.36	-1.69	CO 1					
			135	RC2	93	0.000	Max N	10.89	1.22	-3.90	-0.92	0.80	0.24	CO 27	
							Min N	6.89	2.32	-7.67	-1.66	0.60	0.47	CO 18	
							Max V _y	7.42	2.33	-7.69	-1.66	0.65	0.47	CO 22	
							Min V _y	10.35	1.20	-3.88	-0.91	0.75	0.24	CO 23	
							Max V _z	10.53	1.21	-3.84	-0.91	0.76	0.24	CO 25	
							Min V _z	7.24	2.32	-7.74	-1.67	0.63	0.47	CO 16	
Max M _T	8.61	1.21					-4.50	-0.89	0.62	0.25	CO 26				
Min M _T	9.16	2.32					-7.07	-1.69	0.77	0.46	CO 15				
Max M _y	10.89	1.22					-3.90	-0.92	0.80	0.24	CO 27				
Min M _y	6.89	2.32					-7.67	-1.66	0.60	0.47	CO 18				
Max M _z	7.07	2.32					-7.63	-1.65	0.62	0.47	CO 20				
Min M _z	10.89	1.22					-3.90	-0.92	0.80	0.24	CO 27				
135	88	0.933					Max N	-5.61	-1.42	-2.73	-1.97	0.67	-0.81	CO 27	
							Min N	-19.06	-0.46	-5.49	-2.60	-0.90	-1.23	CO 18	
							Max V _y	-19.06	-0.46	-5.49	-2.60	-0.90	-1.23	CO 18	
							Min V _y	-5.61	-1.42	-2.73	-1.97	0.67	-0.81	CO 27	
							Max V _z	-5.77	-1.40	-2.69	-1.94	0.65	-0.80	CO 25	
							Min V _z	-18.91	-0.49	-5.53	-2.63	-0.88	-1.24	CO 16	
			Max M _T	-6.07	-1.33	-2.75	-1.92	0.61	-0.81	CO 23					
			Min M _T	-18.61	-0.56	-5.47	-2.65	-0.84	-1.23	CO 22					
			Max M _y	-5.61	-1.42	-2.73	-1.97	0.67	-0.81	CO 27					
			Min M _y	-19.06	-0.46	-5.49	-2.60	-0.90	-1.23	CO 18					
			Max M _z	-9.28	-1.32	-3.47	-1.97	0.17	-0.79	CO 26					
			Min M _z	-15.40	-0.56	-4.75	-2.60	-0.40	-1.25	CO 15					
			135	RC6	93	0.000	Max N	87.58	2.14	27.63	-1.58	7.72	0.13	LC 1-5	
							Min N	-81.63	1.74	-43.43	-1.38	-7.20	0.68	LC 1-4	
							Max V _y	4.61	2.60	-6.56	-0.88	0.72	0.50	LC 1-5	
							Min V _y	1.34	1.28	-9.24	-2.08	-0.21	0.30	LC 1-4	
							Max V _z	87.55	2.14	27.64	-1.58	7.72	0.13	LC 1-5	
							Min V _z	-81.60	1.73	-43.44	-1.39	-7.21	0.68	LC 1-4	
Max M _T	-16.61	2.54					-15.46	-0.85	-1.15	0.57	LC 1-5				
Min M _T	22.56	1.33					-0.34	-2.12	1.66	0.23	LC 1-4				
Max M _y	87.52	2.15					27.64	-1.57	7.72	0.13	LC 1-5				
Min M _y	-81.57	1.72					-43.43	-1.39	-7.21	0.67	LC 1-4				
Max M _z	-79.87	1.82					-42.60	-1.30	-7.01	0.68	LC 1-4				
Min M _z	85.83	2.05					26.81	-1.66	7.52	0.12	LC 1-5				
135	88	0.933					Max N	148.41	-10.56	36.43	-2.95	23.81	-1.32	LC 1-5	
							Min N	-196.28	11.15	-49.42	-1.60	-26.76	-1.15	LC 1-4	
							Max V _y	-175.89	12.99	-44.70	-0.86	-23.27	-1.74	LC 1-4	
							Min V _y	128.03	-12.39	31.71	-3.69	20.31	-0.73	LC 1-5	
							Max V _z	148.39	-10.63	36.44	-2.97	23.79	-1.31	LC 1-5	
							Min V _z	-196.25	11.23	-49.42	-1.58	-26.75	-1.17	LC 1-4	
			Max M _T	-37.49	8.19	-10.59	-0.36	-2.29	-2.55	LC 1-4					
			Min M _T	-10.37	-7.60	-2.39	-4.19	-0.67	0.07	LC 1-5					
			Max M _y	148.32	-10.38	36.39	-2.91	23.82	-1.35	LC 1-5					
			Min M _y	-196.18	10.98	-49.38	-1.64	-26.78	-1.12	LC 1-4					
			Max M _z	-44.61	-5.52	-10.89	-4.05	-5.69	0.14	LC 1-5					
			Min M _z	-3.26	6.11	-2.09	-0.50	2.73	-2.61	LC 1-4					
			137	RC1	95	0.000	Max N	26.33	2.14	-1.12	0.17	1.88	0.89	CO 8	
							Min N	17.71	0.75	2.82	0.14	1.09	0.57	CO 9	
							Max V _y	26.17	2.15	-0.22	0.09	1.84	0.88	CO 1	
							Min V _y	17.88	0.74	1.91	0.22	1.14	0.58	CO 12	
							Max V _z	17.73	0.75	2.89	0.16	1.09	0.58	CO 11	
							Min V _z	26.32	2.14	-1.20	0.15	1.88	0.89	CO 2	
Max M _T	17.88	0.74					1.91	0.22	1.14	0.58	CO 12				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
137	RC1	93	0.933	Min M _T	26.17	2.15	-0.22	0.09	1.84	0.88	CO 1
				Max M _y	26.33	2.14	-1.12	0.17	1.88	0.89	CO 8
				Min M _y	17.71	0.75	2.82	0.14	1.09	0.57	CO 9
				Max M _z	25.54	2.14	-1.05	0.19	1.83	0.90	CO 6
				Min M _z	18.52	0.75	2.82	0.14	1.14	0.57	CO 13
				Max N	16.06	0.21	-3.26	-1.05	1.11	0.31	CO 13
				Min N	10.53	-0.52	-7.15	-1.15	0.78	0.63	CO 4
				Max V _y	12.48	0.23	-4.26	-1.01	0.82	0.33	CO 10
				Min V _y	13.63	-0.53	-6.08	-1.17	1.03	0.61	CO 5
				Max V _z	15.58	0.21	-3.20	-1.03	1.06	0.31	CO 11
				Min V _z	11.01	-0.52	-7.22	-1.16	0.83	0.62	CO 2
				Max M _T	12.73	0.22	-4.19	-1.01	0.85	0.33	CO 12
				Min M _T	13.86	-0.53	-6.22	-1.19	1.04	0.61	CO 1
				Max M _y	16.06	0.21	-3.26	-1.05	1.11	0.31	CO 13
				Min M _y	10.53	-0.52	-7.15	-1.15	0.78	0.63	CO 4
				Max M _z	10.77	-0.52	-7.07	-1.14	0.81	0.63	CO 6
				Min M _z	16.06	0.21	-3.26	-1.05	1.11	0.31	CO 13
	RC2	95	0.000	Max N	19.25	1.54	-0.92	0.11	1.37	0.65	CO 22
				Min N	12.88	0.51	1.92	0.10	0.79	0.42	CO 23
				Max V _y	19.14	1.55	-0.33	0.06	1.34	0.65	CO 15
				Min V _y	12.99	0.50	1.32	0.15	0.82	0.42	CO 26
				Max V _z	12.89	0.51	1.98	0.11	0.79	0.42	CO 25
				Min V _z	19.24	1.54	-0.98	0.10	1.37	0.65	CO 16
				Max M _T	12.99	0.50	1.32	0.15	0.82	0.42	CO 26
				Min M _T	19.14	1.55	-0.33	0.06	1.34	0.65	CO 15
				Max M _y	19.25	1.54	-0.92	0.11	1.37	0.65	CO 22
				Min M _y	12.88	0.51	1.92	0.10	0.79	0.42	CO 23
				Max M _z	18.66	1.54	-0.87	0.13	1.33	0.65	CO 20
				Min M _z	13.47	0.51	1.92	0.10	0.82	0.42	CO 27
		93	0.933	Max N	11.11	0.19	-2.60	-0.78	0.76	0.22	CO 27
				Min N	7.22	-0.35	-5.40	-0.85	0.53	0.46	CO 18
				Max V _y	8.67	0.20	-3.26	-0.76	0.56	0.23	CO 24
				Min V _y	9.31	-0.36	-4.68	-0.87	0.70	0.45	CO 19
				Max V _z	10.75	0.19	-2.55	-0.77	0.72	0.22	CO 25
				Min V _z	7.58	-0.35	-5.45	-0.86	0.56	0.45	CO 16
				Max M _T	8.85	0.20	-3.21	-0.75	0.58	0.23	CO 26
				Min M _T	9.48	-0.35	-4.79	-0.88	0.71	0.44	CO 15
				Max M _y	11.11	0.19	-2.60	-0.78	0.76	0.22	CO 27
				Min M _y	7.22	-0.35	-5.40	-0.85	0.53	0.46	CO 18
				Max M _z	7.41	-0.35	-5.34	-0.85	0.55	0.46	CO 20
				Min M _z	11.11	0.19	-2.60	-0.78	0.76	0.22	CO 27
	RC6	95	0.000	Max N	44.02	1.30	-35.41	0.35	2.92	0.56	LC 1-5
				Min N	-10.74	1.02	32.42	-0.26	-0.63	0.57	LC 1-4
				Max V _y	43.35	1.30	-34.69	0.26	2.85	0.55	LC 1-4
				Min V _y	-10.08	1.01	31.70	-0.17	-0.56	0.58	LC 1-5
				Max V _z	-9.85	1.02	33.93	-0.47	-0.68	0.55	LC 1-5
				Min V _z	43.13	1.30	-36.93	0.57	2.96	0.58	LC 1-4
				Max M _T	21.40	1.17	-15.28	1.23	1.87	0.67	LC 1-5
				Min M _T	11.88	1.14	12.29	-1.14	0.42	0.46	LC 1-4
				Max M _y	43.33	1.29	-36.47	0.58	2.97	0.58	LC 1-5
				Min M _y	-10.05	1.02	33.48	-0.49	-0.68	0.55	LC 1-4
				Max M _z	14.81	1.14	-6.71	1.16	1.42	0.68	LC 1-5
				Min M _z	18.46	1.18	3.72	-1.07	0.87	0.45	LC 1-4
		93	0.933	Max N	86.65	-0.44	29.96	-1.09	7.97	0.01	LC 1-5
				Min N	-80.05	0.24	-42.00	-0.68	-7.59	0.77	LC 1-4
				Max V _y	-60.37	0.43	-34.69	-0.92	-5.91	0.62	LC 1-4
				Min V _y	66.96	-0.63	22.65	-0.84	6.30	0.16	LC 1-5
				Max V _z	86.55	-0.45	30.00	-1.07	7.98	0.02	LC 1-5
				Min V _z	-79.95	0.25	-42.04	-0.69	-7.59	0.76	LC 1-4
				Max M _T	-32.82	-0.39	-19.91	-0.47	-2.95	0.65	LC 1-5
				Min M _T	39.41	0.19	7.87	-1.30	3.33	0.13	LC 1-4
				Max M _y	86.61	-0.45	29.99	-1.08	7.98	0.01	LC 1-5
				Min M _y	-80.01	0.25	-42.03	-0.69	-7.60	0.76	LC 1-4
				Max M _z	-79.02	0.19	-41.37	-0.65	-7.47	0.77	LC 1-4
				Min M _z	85.61	-0.39	29.33	-1.12	7.86	0.01	LC 1-5
139	RC1	96	0.000	Max N	-0.72	-0.77	12.39	2.33	-0.81	0.70	CO 2
				Min N	-9.89	-1.21	12.54	1.87	-1.63	0.52	CO 11
				Max V _y	-3.57	-0.67	13.37	2.25	-1.17	0.73	CO 1
				Min V _y	-7.04	-1.31	11.56	1.95	-1.27	0.49	CO 12
				Max V _z	-4.94	-0.70	13.52	2.30	-1.24	0.73	CO 5
				Min V _z	-6.79	-1.30	11.48	1.93	-1.25	0.49	CO 10
				Max M _T	-2.09	-0.81	12.53	2.38	-0.88	0.69	CO 6
				Min M _T	-8.77	-1.18	12.48	1.84	-1.58	0.53	CO 13
				Max M _y	-0.72	-0.77	12.39	2.33	-0.81	0.70	CO 2
				Min M _y	-9.89	-1.21	12.54	1.87	-1.63	0.52	CO 11
				Max M _z	-3.82	-0.67	13.45	2.27	-1.20	0.73	CO 7
				Min M _z	-6.79	-1.30	11.48	1.93	-1.25	0.49	CO 10
		95	0.933	Max N	26.35	-1.96	4.78	0.22	1.87	0.86	CO 8
				Min N	17.73	-0.65	4.99	0.10	1.09	0.56	CO 9
				Max V _y	17.73	-0.65	4.99	0.10	1.09	0.56	CO 9
				Min V _y	25.56	-1.96	4.84	0.24	1.82	0.86	CO 6
				Max V _z	25.40	-1.95	5.82	0.17	1.78	0.85	CO 5
				Min V _z	17.89	-0.66	4.01	0.16	1.13	0.56	CO 10
				Max M _T	25.56	-1.96	4.84	0.24	1.82	0.86	CO 6
				Min M _T	18.54	-0.65	5.01	0.09	1.14	0.56	CO 13
				Max M _y	26.35	-1.96	4.78	0.22	1.87	0.86	CO 8
				Min M _y	17.73	-0.65	4.99	0.10	1.09	0.56	CO 9
				Max M _z	25.56	-1.96	4.84	0.24	1.82	0.86	CO 6
				Min M _z	18.54	-0.65	5.01	0.09	1.14	0.56	CO 13
	RC2	96	0.000	Max N	-0.08	-0.58	8.95	1.70	-0.57	0.51	CO 16
				Min N	-6.66	-0.92	9.00	1.37	-1.14	0.38	CO 25
				Max V _y	-1.98	-0.51	9.61	1.65	-0.80	0.53	CO 15



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
139	RC2	95	0.933	Min V _y	-4.77	▷ -0.98	8.34	1.42	-0.90	0.35	CO 26
				Max V _z	-3.00	▷ -0.54	9.72	1.68	-0.85	0.53	CO 19
				Min V _z	-4.58	▷ -0.98	8.28	1.40	-0.88	0.35	CO 24
				Max M _T	-1.10	▷ -0.61	9.06	▷ 1.73	-0.62	0.51	CO 20
				Min M _T	-5.84	▷ -0.89	8.95	▷ 1.34	-1.11	0.38	CO 27
				Max M _y	-0.08	▷ -0.58	8.95	▷ 1.70	-0.57	0.51	CO 16
				Min M _y	-6.66	▷ -0.92	9.00	▷ 1.37	-1.14	0.38	CO 25
				Max M _z	-2.17	▷ -0.52	9.67	▷ 1.66	-0.82	0.53	CO 21
				Min M _z	-4.58	▷ -0.98	8.28	▷ 1.40	-0.88	0.35	CO 24
				Max N	▷ 19.26	-1.40	3.32	0.15	1.36	0.62	CO 22
				Min N	▷ 12.89	-0.44	3.40	0.07	0.79	0.40	CO 23
				Max V _y	▷ 12.89	-0.44	3.40	0.07	0.79	0.40	CO 23
				Min V _y	▷ 18.68	-1.40	3.37	0.17	1.33	0.63	CO 20
				Max V _z	▷ 18.57	-1.39	▷ 4.02	0.12	1.30	0.62	CO 19
				Min V _z	▷ 12.99	-0.44	▷ 2.75	0.11	0.82	0.41	CO 24
				Max M _T	▷ 18.68	-1.40	▷ 3.37	▷ 0.17	1.33	0.63	CO 20
				Min M _T	▷ 13.49	-0.44	▷ 3.42	▷ 0.06	0.82	0.40	CO 27
				Max M _y	▷ 19.26	-1.40	▷ 3.32	▷ 0.15	1.36	0.62	CO 22
				Min M _y	▷ 12.89	-0.44	▷ 3.40	▷ 0.07	0.79	0.40	CO 23
				Max M _z	▷ 18.68	-1.40	▷ 3.37	▷ 0.17	1.33	0.63	CO 20
				Min M _z	▷ 13.49	-0.44	▷ 3.42	▷ 0.06	0.82	0.40	CO 27
	RC6	96	0.000	Max N	▷ 134.03	-0.94	-27.58	1.21	11.68	-0.14	LC 1-4
				Min N	▷ -129.33	-0.44	42.29	1.79	-12.35	1.03	LC 1-5
				Max V _y	▷ -17.71	▷ 0.95	15.56	0.02	-3.76	0.96	LC 1-4
				Min V _y	▷ 22.41	▷ -2.34	-0.85	2.99	3.09	-0.07	LC 1-5
				Max V _z	▷ -128.97	-0.34	▷ 42.39	1.69	-12.42	1.06	LC 1-5
				Min V _z	▷ 133.67	-1.04	▷ -27.68	1.31	11.75	-0.16	LC 1-4
				Max M _T	▷ -8.24	-2.28	7.27	▷ 3.06	0.30	0.07	LC 1-5
				Min M _T	▷ 12.94	0.90	7.44	▷ -0.05	-0.96	0.83	LC 1-4
				Max M _y	▷ 133.25	-1.08	-27.66	1.35	11.76	-0.17	LC 1-4
				Min M _y	▷ -128.55	-0.30	42.37	1.65	-12.43	1.07	LC 1-5
				Max M _z	▷ -120.09	-0.08	40.65	1.39	-11.93	1.10	LC 1-5
				Min M _z	▷ 124.80	-1.31	-25.94	1.61	11.27	-0.21	LC 1-4
		95	0.933	Max N	▷ 44.53	-0.97	-32.10	0.42	2.77	0.55	LC 1-5
				Min N	▷ -11.20	-1.02	35.44	-0.27	-0.50	0.54	LC 1-4
				Max V _y	▷ 18.04	▷ -0.60	7.17	-0.95	0.85	0.43	LC 1-4
				Min V _y	▷ 15.29	▷ -1.39	-3.83	1.10	1.42	0.66	LC 1-5
				Max V _z	▷ -10.39	-0.95	36.82	-0.45	-0.54	0.52	LC 1-5
				Min V _z	▷ 43.72	-1.04	▷ -33.47	0.60	2.81	0.57	LC 1-4
				Max M _T	▷ 22.43	-1.37	-12.46	▷ 1.16	1.83	0.66	LC 1-5
				Min M _T	▷ 10.90	-0.62	15.81	▷ -1.01	0.44	0.43	LC 1-4
				Max M _y	▷ 43.88	-1.05	-33.01	▷ 0.62	2.82	0.57	LC 1-5
				Min M _y	▷ -10.55	-0.94	36.36	-0.47	-0.55	0.52	LC 1-4
				Max M _z	▷ 17.85	-1.38	-6.67	1.12	1.55	0.66	LC 1-5
				Min M _z	▷ 15.48	-0.61	10.01	-0.97	0.72	0.43	LC 1-4
141	RC1	97	0.000	Max N	▷ 15.57	-1.18	-4.46	1.19	8.47	-6.66	CO 12
				Min N	▷ 3.62	-4.52	-9.24	1.21	6.44	-4.71	CO 1
				Max V _y	▷ 8.19	0.95	-2.82	1.59	8.50	-6.56	CO 11
				Min V _y	▷ 11.01	▷ -6.65	-10.89	0.81	6.41	-4.80	CO 2
				Max V _z	▷ 8.19	0.95	-2.82	1.59	8.50	-6.56	CO 11
				Min V _z	▷ 11.01	▷ -6.65	-10.89	0.81	6.41	-4.80	CO 2
				Max M _T	▷ 8.05	0.95	-2.87	1.61	8.36	-6.45	CO 9
				Min M _T	▷ 11.14	-6.64	-10.84	▷ 0.79	6.54	-4.91	CO 8
				Max M _y	▷ 8.19	0.95	-2.82	1.59	8.50	-6.56	CO 11
				Min M _y	▷ 11.01	▷ -6.65	-10.89	0.81	6.41	-4.80	CO 2
				Max M _z	▷ 3.62	-4.52	-9.24	1.21	6.44	-4.71	CO 1
				Min M _z	▷ 15.57	-1.18	-4.46	1.19	8.47	-6.66	CO 12
		80	0.933	Max N	▷ 22.51	-1.58	-14.81	0.80	-7.47	2.80	CO 4
				Min N	▷ 13.20	-5.48	-8.27	-0.37	0.36	-0.83	CO 13
				Max V _y	▷ 16.70	-1.22	-13.18	0.90	-6.05	2.28	CO 3
				Min V _y	▷ 19.00	-5.84	-9.90	-0.47	-1.06	-0.31	CO 14
				Max V _z	▷ 15.27	-5.22	▷ -7.30	-0.16	1.81	-1.70	CO 11
				Min V _z	▷ 20.43	-1.84	▷ -15.78	0.60	-8.92	3.67	CO 2
				Max M _T	▷ 16.70	-1.22	-13.18	▷ 0.90	-6.05	2.28	CO 3
				Min M _T	▷ 19.00	-5.84	-9.90	▷ -0.47	-1.06	-0.31	CO 14
				Max M _y	▷ 15.27	-5.22	-7.30	-0.16	1.81	-1.70	CO 11
				Min M _y	▷ 20.43	-1.84	-15.78	0.60	-8.92	3.67	CO 2
				Max M _z	▷ 20.43	-1.84	-15.78	0.60	-8.92	3.67	CO 2
				Min M _z	▷ 15.27	-5.22	-7.30	-0.16	1.81	-1.70	CO 11
	RC2	97	0.000	Max N	▷ 10.81	-0.94	-3.37	0.82	6.02	-4.73	CO 26
				Min N	▷ 2.50	-3.57	-7.03	0.80	4.52	-3.29	CO 15
				Max V _y	▷ 5.88	0.48	-2.27	1.08	6.04	-4.66	CO 25
				Min V _y	▷ 7.43	▷ -4.99	-8.13	0.54	4.49	-3.35	CO 16
				Max V _z	▷ 5.88	0.48	-2.27	1.08	6.04	-4.66	CO 25
				Min V _z	▷ 7.43	▷ -4.99	-8.13	0.54	4.49	-3.35	CO 16
				Max M _T	▷ 5.79	0.47	-2.31	▷ 1.10	5.94	-4.58	CO 23
				Min M _T	▷ 7.52	▷ -4.99	-8.09	▷ 0.52	4.59	-3.43	CO 22
				Max M _y	▷ 5.88	0.48	-2.27	▷ 1.08	6.04	-4.66	CO 25
				Min M _y	▷ 7.43	▷ -4.99	-8.13	▷ 0.54	4.49	-3.35	CO 16
				Max M _z	▷ 2.50	-3.57	-7.03	0.80	4.52	-3.29	CO 15
				Min M _z	▷ 10.81	-0.94	-3.37	0.82	6.02	-4.73	CO 26
		80	0.933	Max N	▷ 15.81	-1.15	-11.02	0.54	-5.81	2.26	CO 18
				Min N	▷ 9.34	-4.07	-6.30	-0.33	-0.12	-0.40	CO 27
				Max V _y	▷ 11.93	▷ -0.91	-9.93	0.61	-4.86	1.91	CO 17
				Min V _y	▷ 13.21	▷ -4.31	-7.38	-0.40	-1.07	-0.05	CO 28
				Max V _z	▷ 10.88	-3.87	-5.58	-0.18	0.95	-1.04	CO 25
				Min V _z	▷ 14.27	-1.34	-11.74	0.39	-6.88	2.90	CO 16
				Max M _T	▷ 11.93	-0.91	-9.93	▷ 0.61	-4.86	1.91	CO 17
				Min M _T	▷ 13.21	-4.31	-7.38	▷ -0.40	-1.07	-0.05	CO 28
				Max M _y	▷ 10.88	-3.87	-5.58	-0.18	0.95	-1.04	CO 25
				Min M _y	▷ 14.27	-1.34	-11.74	0.39	-6.88	2.90	CO 16
				Max M _z	▷ 14.27	-1.34	-11.74	0.39	-6.88	2.90	CO 16



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z		
141	RC2	97	0.000	Min M _z	10.88	-3.87	-5.58	-0.18	0.95	-1.04	CO 25
	Max N			10.40	-3.02	-8.59	-0.84	4.15	-3.03	LC 1-5	
	Min N			-5.20	-6.16	-6.79	1.36	2.35	-1.72	LC 1-4	
	Max V _y			-0.28	11.27	11.74	6.31	4.91	-2.47	LC 1-5	
	Min V _y			5.49	-20.46	-27.12	-5.80	1.59	-2.28	LC 1-4	
	Max V _z			-0.78	11.19	11.83	6.40	4.88	-2.45	LC 1-5	
	Min V _z			5.99	-20.37	-27.21	-5.88	1.62	-2.30	LC 1-4	
	Max M _T			-1.49	10.81	11.68	6.44	4.81	-2.42	LC 1-5	
	Min M _T			6.70	-20.00	-27.05	-5.92	1.69	-2.33	LC 1-4	
	Max M _y			0.22	11.00	11.23	6.09	4.94	-2.51	LC 1-5	
	Min M _y			4.99	-20.19	-26.60	-5.58	1.56	-2.24	LC 1-4	
	Max M _z			-4.13	5.94	6.96	5.32	3.46	-1.66	LC 1-4	
	Min M _z			9.34	-15.13	-22.33	-4.80	3.04	-3.09	LC 1-5	
	80	0.933	Max N	25.73	5.30	-2.09	3.08	2.01	-0.48	LC 1-5	
			Min N	-8.74	-8.01	-20.24	-2.97	-16.82	7.17	LC 1-4	
			Max V _y	4.77	13.29	-27.35	-1.08	-22.30	2.79	LC 1-4	
			Min V _y	12.22	-16.00	5.01	1.18	7.49	3.90	LC 1-5	
			Max V _z	20.45	-11.33	8.15	2.62	10.73	2.11	LC 1-5	
			Min V _z	-3.46	8.61	-30.49	-2.51	-25.54	4.58	LC 1-4	
			Max M _T	25.33	4.65	-1.34	3.16	2.69	-0.44	LC 1-5	
			Min M _T	-8.34	-7.36	-21.00	-3.05	-17.50	7.13	LC 1-4	
			Max M _y	20.76	-11.00	8.14	2.67	10.75	2.02	LC 1-5	
			Min M _y	-3.76	8.29	-30.47	-2.56	-25.55	4.67	LC 1-4	
			Max M _z	-6.94	-11.49	-16.01	-2.62	-13.03	7.39	LC 1-4	
			Min M _z	23.93	8.77	-6.33	2.72	-1.77	-0.69	LC 1-5	
143	RC1	98	0.000	Max N	9.33	6.93	4.43	1.84	9.24	-6.50	CO 12
	Min N			-2.03	5.93	1.69	1.17	10.15	-6.69	CO 1	
	Max V _y			-0.36	9.38	6.15	2.25	7.92	-5.30	CO 11	
	Min V _y			7.65	3.47	-0.02	0.75	11.47	-7.88	CO 2	
	Max V _z			-0.36	9.38	6.15	2.25	7.92	-5.30	CO 11	
	Min V _z			7.65	3.47	-0.02	0.75	11.47	-7.88	CO 2	
	Max M _T			-0.47	9.25	6.05	2.26	7.88	-5.27	CO 9	
	Min M _T			7.76	3.61	0.07	0.74	11.51	-7.92	CO 8	
	Max M _y			8.33	4.47	0.87	1.11	11.55	-7.98	CO 6	
	Min M _y			-0.93	8.52	5.35	1.89	7.87	-5.24	CO 13	
	Max M _z			-0.93	8.52	5.35	1.89	7.87	-5.24	CO 13	
	Min M _z			8.33	4.47	0.87	1.11	11.55	-7.98	CO 6	
	97	0.933	Max N	15.78	0.02	-3.05	1.00	8.46	-6.68	CO 12	
			Min N	3.94	-1.12	-6.50	0.08	6.43	-4.76	CO 1	
			Max V _y	8.36	2.18	-1.39	1.40	8.50	-6.58	CO 11	
			Min V _y	11.36	-3.27	-8.17	-0.32	6.39	-4.86	CO 2	
			Max V _z	8.36	2.18	-1.39	1.40	8.50	-6.58	CO 11	
			Min V _z	11.36	-3.27	-8.17	-0.32	6.39	-4.86	CO 2	
			Max M _T	8.23	2.16	-1.46	1.42	8.36	-6.47	CO 9	
			Min M _T	11.49	-3.26	-8.10	-0.34	6.52	-4.96	CO 8	
			Max M _y	8.36	2.18	-1.39	1.40	8.50	-6.58	CO 11	
			Min M _y	11.36	-3.27	-8.17	-0.32	6.39	-4.86	CO 2	
			Max M _z	3.94	-1.12	-6.50	0.08	6.43	-4.76	CO 1	
			Min M _z	15.78	0.02	-3.05	1.00	8.46	-6.68	CO 12	
	RC2	98	0.000	Max N	6.28	4.96	3.14	1.30	6.70	-4.70	CO 26
				Min N	-1.42	4.04	0.99	0.77	7.47	-4.92	CO 15
				Max V _y	-0.18	6.59	4.29	1.57	5.82	-3.90	CO 25
				Min V _y	5.04	2.40	-0.16	0.49	8.35	-5.72	CO 16
				Max V _z	-0.18	6.59	4.29	1.57	5.82	-3.90	CO 25
				Min V _z	5.04	2.40	-0.16	0.49	8.35	-5.72	CO 16
				Max M _T	-0.26	6.49	4.22	1.58	5.79	-3.87	CO 23
				Min M _T	5.12	2.50	-0.09	0.49	8.38	-5.75	CO 22
				Max M _y	5.54	3.14	0.50	0.76	8.41	-5.79	CO 20
				Min M _y	-0.60	5.95	3.70	1.30	5.79	-3.85	CO 27
				Max M _z	-0.60	5.95	3.70	1.30	5.79	-3.85	CO 27
				Min M _z	5.54	3.14	0.50	0.76	8.41	-5.79	CO 20
		97	0.933	Max N	10.96	-0.13	-2.38	0.69	6.01	-4.75	CO 26
				Min N	2.75	-1.13	-5.06	-0.02	4.50	-3.33	CO 15
				Max V _y	6.02	1.31	-1.27	0.96	6.03	-4.68	CO 25
				Min V _y	7.69	-2.57	-6.17	-0.28	4.48	-3.40	CO 16
				Max V _z	6.02	1.31	-1.27	0.96	6.03	-4.68	CO 25
				Min V _z	7.69	-2.57	-6.17	-0.28	4.48	-3.40	CO 16
				Max M _T	5.92	1.30	-1.33	0.98	5.94	-4.60	CO 23
				Min M _T	7.78	-2.55	-6.12	-0.30	4.58	-3.47	CO 22
				Max M _y	6.02	1.31	-1.27	0.96	6.03	-4.68	CO 25
				Min M _y	7.69	-2.57	-6.17	-0.28	4.48	-3.40	CO 16
				Max M _z	2.75	-1.13	-5.06	-0.02	4.50	-3.33	CO 15
				Min M _z	10.96	-0.13	-2.38	0.69	6.01	-4.75	CO 26
	RC6	98	0.000	Max N	17.88	-13.45	-19.96	-5.77	22.42	-16.58	LC 1-4
				Min N	-17.66	17.70	19.37	6.39	-8.07	7.03	LC 1-5
				Max V _y	-17.02	18.39	19.14	6.10	-7.74	6.85	LC 1-5
				Min V _y	17.24	-14.14	-19.73	-5.48	22.09	-16.39	LC 1-4
				Max V _z	-17.50	17.99	19.54	6.40	-8.18	7.12	LC 1-5
				Min V _z	17.72	-13.74	-20.13	-5.78	22.53	-16.67	LC 1-4
				Max M _T	-17.09	16.37	19.00	6.52	-7.97	6.85	LC 1-5
				Min M _T	17.31	-12.12	-19.59	-5.90	22.32	-16.39	LC 1-4
				Max M _y	17.68	-12.40	-19.20	-5.56	22.61	-16.72	LC 1-5
				Min M _y	-17.46	16.65	18.61	6.18	-8.26	7.18	LC 1-4
				Max M _z	-17.48	16.83	18.63	6.15	-8.25	7.18	LC 1-4
				Min M _z	17.70	-12.59	-19.22	-5.53	22.60	-16.73	LC 1-5
		97	0.933	Max N	11.31	-11.69	-19.20	-4.98	2.95	-3.25	LC 1-5
				Min N	-5.58	6.20	6.93	4.28	3.52	-1.58	LC 1-4
				Max V _y	-0.92	13.04	13.26	5.64	5.03	-2.31	LC 1-5
				Min V _y	6.64	-18.53	-25.53	-6.34	1.44	-2.52	LC 1-4
				Max V _z	-1.39	12.96	13.35	5.72	5.01	-2.29	LC 1-5
				Min V _z	7.12	-18.45	-25.61	-6.42	1.46	-2.54	LC 1-4
				Max M _T	-2.07	12.61	13.20	5.76	4.95	-2.26	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding	
					N	V _y	V _z	M _T	M _y	M _z	Load Cases	
143	RC6			Min M _T	7.79	-18.10	-25.46	▷	-6.46	1.52	-2.57	LC 1-4
				Max M _y	-0.64	12.88	12.97	▷	5.52	5.05	-2.35	LC 1-5
				Min M _y	6.36	-18.37	-25.23	▷	-6.21	1.42	-2.48	LC 1-4
				Max M _z	-4.76	8.25	9.12	▷	4.87	3.67	-1.52	LC 1-4
145	RC1	99	0.000	Min M _z	10.48	-13.74	-21.38	▷	-5.57	2.80	-3.31	LC 1-5
				Max N	2.43	12.07	13.76	▷	1.68	0.31	-0.36	CO 14
				Min N	-11.81	18.05	16.98	▷	2.16	-0.99	1.40	CO 5
				Max V _y	-11.81	18.05	16.98	▷	2.16	-0.99	1.40	CO 5
				Min V _y	2.43	12.07	13.76	▷	1.68	0.31	-0.36	CO 14
				Max V _z	-11.81	18.05	16.98	▷	2.16	-0.99	1.40	CO 5
				Min V _z	2.43	12.07	13.76	▷	1.68	0.31	-0.36	CO 14
				Max M _T	-9.10	14.76	16.26	▷	2.24	-3.02	2.51	CO 9
				Min M _T	-0.28	15.22	14.38	▷	1.61	2.41	-1.51	CO 8
				Max M _y	-0.28	15.09	14.27	▷	1.62	2.48	-1.54	CO 2
				Min M _y	-9.10	14.89	16.37	▷	2.23	-3.09	2.54	CO 11
				Max M _z	-9.10	14.89	16.37	▷	2.23	-3.09	2.54	CO 11
				Min M _z	-0.28	15.09	14.27	▷	1.62	2.48	-1.54	CO 2
				Max N	9.32	8.28	6.55	▷	2.03	9.24	-6.49	CO 12
				Min N	-2.05	9.86	7.45	▷	1.50	10.15	-6.66	CO 1
				Max V _y	-1.38	10.85	8.33	▷	1.85	10.22	-6.75	CO 5
				Min V _y	7.64	7.40	5.73	▷	1.08	11.47	-7.85	CO 2
				Max V _z	-1.38	10.85	8.33	▷	1.85	10.22	-6.75	CO 5
				Min V _z	7.64	7.40	5.73	▷	1.08	11.47	-7.85	CO 2
				Max M _T	-0.48	10.59	8.17	▷	2.46	7.88	-5.26	CO 9
				Min M _T	7.75	7.54	5.83	▷	1.07	11.50	-7.89	CO 8
				Max M _y	8.32	8.40	6.61	▷	1.43	11.55	-7.95	CO 6
				Min M _y	-0.94	9.88	7.49	▷	2.09	7.88	-5.23	CO 13
				Max M _z	-0.94	9.88	7.49	▷	2.09	7.88	-5.23	CO 13
	Min M _z	8.32	8.40	6.61	▷	1.43	11.55	-7.95	CO 6			
	RC2	99	0.000	Max N	1.32	8.78	9.92	▷	1.17	0.32	-0.30	CO 28
				Min N	-8.37	13.05	12.18	▷	1.51	-0.44	0.82	CO 19
				Max V _y	-8.37	13.05	12.18	▷	1.51	-0.44	0.82	CO 19
				Min V _y	1.32	8.78	9.92	▷	1.17	0.32	-0.30	CO 28
				Max V _z	-8.37	13.05	12.18	▷	1.51	-0.44	0.82	CO 19
				Min V _z	1.32	8.78	9.92	▷	1.17	0.32	-0.30	CO 28
				Max M _T	-6.36	10.62	11.64	▷	1.57	-1.94	1.64	CO 23
				Min M _T	-0.68	11.11	10.38	▷	1.12	1.87	-1.14	CO 22
				Max M _y	-0.68	11.02	10.30	▷	1.13	1.92	-1.17	CO 16
				Min M _y	-6.37	10.72	11.72	▷	1.56	-1.99	1.67	CO 25
				Max M _z	-6.37	10.72	11.72	▷	1.56	-1.99	1.67	CO 25
				Min M _z	-0.68	11.02	10.30	▷	1.13	1.92	-1.17	CO 16
				Max N	6.28	5.87	4.59	▷	1.43	6.70	-4.69	CO 26
				Min N	-1.43	6.86	5.13	▷	1.01	7.47	-4.90	CO 15
				Max V _y	-0.93	7.59	5.78	▷	1.27	7.53	-4.97	CO 19
				Min V _y	5.03	5.22	3.98	▷	0.73	8.35	-5.70	CO 16
				Max V _z	-0.93	7.59	5.78	▷	1.27	7.53	-4.97	CO 19
				Min V _z	5.03	5.22	3.98	▷	0.73	8.35	-5.70	CO 16
				Max M _T	-0.26	7.40	5.66	▷	1.72	5.79	-3.86	CO 23
				Min M _T	5.11	5.32	4.06	▷	0.72	8.37	-5.72	CO 22
				Max M _y	5.53	5.96	4.64	▷	0.99	8.41	-5.77	CO 20
				Min M _y	-0.60	6.87	5.16	▷	1.45	5.79	-3.84	CO 27
				Max M _z	-0.60	6.87	5.16	▷	1.45	5.79	-3.84	CO 27
Min M _z				5.53	5.96	4.64	▷	0.99	8.41	-5.77	CO 20	
RC6	99	0.000	Max N	14.82	-1.27	-3.62	▷	0.11	21.37	-17.47	LC 1-4	
			Min N	-25.08	22.38	21.73	▷	1.53	-17.62	15.84	LC 1-5	
			Max V _y	-16.40	27.71	11.27	▷	-1.04	1.33	5.66	LC 1-5	
			Min V _y	6.15	-6.59	6.84	▷	2.69	2.42	-7.29	LC 1-4	
			Max V _z	-24.14	7.65	28.59	▷	4.74	-31.97	19.62	LC 1-5	
			Min V _z	13.89	13.46	-10.48	▷	-3.10	35.72	-21.25	LC 1-4	
			Max M _T	-17.52	0.65	25.88	▷	5.22	-28.47	14.84	LC 1-5	
			Min M _T	7.27	20.46	-7.77	▷	-3.58	32.22	-16.47	LC 1-4	
			Max M _y	13.55	14.05	-10.45	▷	-3.17	35.77	-21.07	LC 1-4	
			Min M _y	-23.81	7.07	28.56	▷	4.82	-32.02	19.44	LC 1-5	
			Max M _z	-24.54	8.64	28.48	▷	4.58	-31.62	19.76	LC 1-5	
			Min M _z	14.28	12.47	-10.37	▷	-2.94	35.37	-21.39	LC 1-4	
			Max N	18.50	-11.01	-16.40	▷	-5.52	22.35	-16.66	LC 1-4	
			Min N	-18.26	19.41	22.01	▷	6.50	-8.01	7.15	LC 1-5	
			Max V _y	-17.54	20.16	21.79	▷	6.21	-7.63	6.93	LC 1-5	
			Min V _y	17.78	-11.76	-16.18	▷	-5.23	21.97	-16.44	LC 1-4	
			Max V _z	-18.09	19.76	22.18	▷	6.50	-8.10	7.23	LC 1-5	
			Min V _z	18.34	-11.36	-16.57	▷	-5.52	22.44	-16.75	LC 1-4	
			Max M _T	-17.77	18.23	21.68	▷	6.62	-7.94	7.01	LC 1-5	
			Min M _T	18.02	-9.83	-16.07	▷	-5.64	22.28	-16.52	LC 1-4	
			Max M _y	18.30	-9.97	-15.62	▷	-5.30	22.53	-16.80	LC 1-5	
			Min M _y	-18.05	18.37	21.23	▷	6.28	-8.19	7.29	LC 1-4	
			Max M _z	-18.07	18.55	21.26	▷	6.26	-8.18	7.30	LC 1-4	
			Min M _z	18.32	-10.15	-15.65	▷	-5.27	22.52	-16.81	LC 1-5	
147	RC1	100	0.000	Max N	83.12	3.16	2.54	▷	-0.96	7.06	1.34	CO 2
				Min N	67.07	0.96	2.86	▷	-0.22	5.67	0.93	CO 11
				Max V _y	79.34	3.18	2.82	▷	-0.95	6.97	1.33	CO 5
				Min V _y	70.83	0.95	2.54	▷	-0.23	5.76	0.94	CO 14
				Max V _z	67.11	0.96	2.89	▷	-0.22	5.68	0.93	CO 9
				Min V _z	83.09	3.17	2.50	▷	-0.96	7.06	1.34	CO 8
				Max M _T	67.07	0.96	2.86	▷	-0.22	5.67	0.93	CO 11
				Min M _T	83.12	3.16	2.54	▷	-0.96	7.06	1.34	CO 2
				Max M _y	81.41	3.17	2.80	▷	-0.95	7.08	1.33	CO 1
				Min M _y	68.79	0.96	2.60	▷	-0.23	5.65	0.95	CO 12
				Max M _z	81.05	3.17	2.56	▷	-0.95	6.95	1.35	CO 6
				Min M _z	69.11	0.95	2.80	▷	-0.22	5.78	0.93	CO 13
				Max N	79.45	-2.66	-4.09	▷	-3.06	6.84	1.14	CO 2
				Min N	64.19	-0.86	-3.95	▷	-2.54	5.62	0.87	CO 11
				Max V _y	66.09	-0.86	-4.00	▷	-2.53	5.71	0.86	CO 13



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
147	RC1			Min V _y	77.43	▷ -2.66	-4.06	-3.08	6.74	1.14	CO 6
				Max V _z	76.44	▷ -2.66	-3.79	-3.03	6.83	1.12	CO 3
				Min V _z	67.21	▷ -0.86	-4.25	-2.57	5.63	0.88	CO 14
				Max M _T	66.09	▷ -0.86	-4.00	▷ -2.53	5.71	0.86	CO 13
				Min M _T	77.55	▷ -2.66	-4.03	▷ -3.08	6.75	1.14	CO 4
				Max M _y	78.34	▷ -2.66	-3.84	▷ -3.02	6.92	1.11	CO 1
				Min M _y	65.30	▷ -0.86	-4.19	▷ -2.59	5.54	0.89	CO 12
				Max M _z	77.43	▷ -2.66	-4.06	▷ -3.08	6.74	1.14	CO 6
				Min M _z	66.09	▷ -0.86	-4.00	▷ -2.53	5.71	0.86	CO 13
		100	0.000	Max N	▷ 60.91	2.26	1.83	▷ -0.70	5.17	0.98	CO 16
				Min N	▷ 49.16	0.63	2.05	▷ -0.15	4.14	0.68	CO 25
				Max V _y	▷ 58.23	2.27	2.02	▷ -0.69	5.10	0.98	CO 19
				Min V _y	▷ 51.82	0.62	1.83	▷ -0.16	4.20	0.69	CO 28
				Max V _z	▷ 49.18	0.63	2.07	▷ -0.15	4.14	0.68	CO 23
				Min V _z	▷ 60.89	2.26	1.80	▷ -0.70	5.16	0.98	CO 22
				Max M _T	▷ 49.16	0.63	2.05	▷ -0.15	4.14	0.68	CO 25
				Min M _T	▷ 60.91	2.26	1.83	▷ -0.70	5.17	0.98	CO 16
				Max M _y	▷ 59.77	2.27	2.00	▷ -0.69	5.18	0.97	CO 15
				Min M _y	▷ 50.31	0.63	1.88	▷ -0.16	4.12	0.69	CO 26
				Max M _z	▷ 59.38	2.27	1.84	▷ -0.70	5.09	0.99	CO 20
	RC2	100	0.000	Min M _z	▷ 50.67	0.63	2.00	▷ -0.15	4.21	0.68	CO 27
				Max N	▷ 58.06	-1.84	-3.10	▷ -2.26	4.99	0.82	CO 16
				Min N	▷ 46.86	-0.53	-3.01	▷ -1.88	4.08	0.63	CO 25
				Max V _y	▷ 48.27	-0.53	-3.05	▷ -1.87	4.15	0.62	CO 27
				Min V _y	▷ 55.90	-1.85	-2.90	▷ -2.24	4.97	0.81	CO 17
				Max V _z	▷ 55.90	-1.85	-2.90	▷ -2.24	4.97	0.81	CO 17
				Min V _z	▷ 49.01	-0.53	-3.21	▷ -1.89	4.10	0.64	CO 28
				Max M _T	▷ 48.27	-0.53	-3.05	▷ -1.87	4.15	0.62	CO 27
				Min M _T	▷ 56.65	-1.84	-3.06	▷ -2.27	4.92	0.83	CO 18
				Max M _y	▷ 57.31	-1.84	-2.94	▷ -2.23	5.04	0.81	CO 15
				Min M _y	▷ 47.60	-0.53	-3.17	▷ -1.90	4.03	0.64	CO 26
				Max M _z	▷ 56.56	-1.85	-3.08	▷ -2.27	4.91	0.83	CO 20
	RC6	100	0.000	Min M _z	▷ 48.27	-0.53	-3.05	▷ -1.87	4.15	0.62	CO 27
				Max N	▷ 71.83	1.53	18.38	▷ -0.99	5.82	0.90	LC 1-4
				Min N	▷ 34.85	1.50	-15.64	▷ -0.13	3.18	0.85	LC 1-5
				Max V _y	▷ 53.42	1.78	2.31	▷ -0.48	4.54	0.97	LC 1-5
				Min V _y	▷ 53.26	1.25	0.42	▷ -0.64	4.46	0.78	LC 1-4
				Max V _z	▷ 71.32	1.53	18.75	▷ -0.99	5.79	0.91	LC 1-4
				Min V _z	▷ 35.37	1.50	-16.01	▷ -0.13	3.20	0.84	LC 1-5
				Max M _T	▷ 41.28	1.56	-7.69	▷ 0.10	3.86	1.02	LC 1-5
				Min M _T	▷ 65.40	1.47	10.43	▷ -1.22	5.13	0.73	LC 1-4
				Max M _y	▷ 71.66	1.53	18.36	▷ -0.95	5.83	0.91	LC 1-4
				Min M _y	▷ 35.02	1.50	-15.62	▷ -0.17	3.17	0.84	LC 1-5
				Max M _z	▷ 49.14	1.65	1.24	▷ -0.10	4.44	1.07	LC 1-5
153	RC1	104	0.000	Min M _z	▷ 57.54	1.39	1.50	▷ -1.01	4.55	0.67	LC 1-4
				Max N	▷ 110.21	-1.00	13.53	▷ -2.54	8.62	0.71	LC 1-4
				Min N	▷ -11.55	-0.77	-20.96	▷ -1.74	-0.20	0.67	LC 1-5
				Max V _y	▷ 0.62	-0.73	-18.26	▷ -1.72	0.47	0.59	LC 1-4
				Min V _y	▷ 98.04	-1.04	10.83	▷ -2.57	7.95	0.78	LC 1-5
				Max V _z	▷ 110.00	-1.00	13.59	▷ -2.55	8.62	0.71	LC 1-4
				Min V _z	▷ -11.34	-0.76	-21.02	▷ -1.74	-0.20	0.66	LC 1-5
				Max M _T	▷ -1.93	-0.75	-18.78	▷ -1.68	0.36	0.62	LC 1-5
				Min M _T	▷ 100.59	-1.02	11.35	▷ -2.61	8.06	0.76	LC 1-4
				Max M _y	▷ 110.04	-1.00	13.54	▷ -2.55	8.63	0.72	LC 1-4
				Min M _y	▷ -11.38	-0.76	-20.97	▷ -1.74	-0.21	0.66	LC 1-5
				Max M _z	▷ 44.45	-0.96	-3.83	▷ -2.28	4.32	0.87	LC 1-4
	RC2	104	0.000	Min M _z	▷ 54.21	-0.81	-3.60	▷ -2.01	4.10	0.50	LC 1-5
				Max N	▷ 94.79	1.76	-10.44	▷ -4.03	7.22	0.72	CO 7
				Min N	▷ 73.46	0.69	-5.23	▷ -3.83	5.76	0.56	CO 10
				Max V _y	▷ 91.51	1.78	-10.18	▷ -4.05	7.33	0.71	CO 8
				Min V _y	▷ 76.74	0.67	-5.49	▷ -3.81	5.65	0.57	CO 9
				Max V _z	▷ 73.99	0.70	-5.15	▷ -3.84	5.75	0.56	CO 14
				Min V _z	▷ 94.37	1.75	-10.52	▷ -4.03	7.23	0.72	CO 5
				Max M _T	▷ 76.74	0.67	-5.49	▷ -3.81	5.65	0.57	CO 9
				Min M _T	▷ 91.51	1.78	-10.18	▷ -4.05	7.33	0.71	CO 8
				Max M _y	▷ 91.09	1.77	-10.26	▷ -4.05	7.33	0.71	CO 6
				Min M _y	▷ 77.27	0.68	-5.41	▷ -3.82	5.65	0.57	CO 13
				Max M _z	▷ 94.37	1.75	-10.52	▷ -4.03	7.23	0.72	CO 5
153	RC2	72	2.300	Min M _z	▷ 73.46	0.69	-5.23	▷ -3.83	5.76	0.56	CO 10
				Max N	▷ -51.79	29.91	-27.92	▷ -6.01	-10.17	-7.41	CO 13
				Min N	▷ -73.35	29.17	-32.86	▷ -6.90	-12.36	-7.32	CO 4
				Max V _y	▷ -71.52	31.62	-33.84	▷ -6.48	-12.95	-7.69	CO 5
				Min V _y	▷ -54.88	27.48	-27.01	▷ -6.44	-9.57	-7.05	CO 10
				Max V _z	▷ -53.58	27.49	-26.95	▷ -6.43	-9.58	-7.05	CO 14
				Min V _z	▷ -71.52	31.62	-33.84	▷ -6.48	-12.95	-7.69	CO 5
				Max M _T	▷ -51.79	29.91	-27.92	▷ -6.01	-10.17	-7.41	CO 13
				Min M _T	▷ -73.31	29.20	-32.86	▷ -6.90	-12.35	-7.33	CO 6
				Max M _y	▷ -54.84	27.51	-27.01	▷ -6.44	-9.56	-7.06	CO 12
				Min M _y	▷ -70.30	31.57	-33.77	▷ -6.47	-12.97	-7.66	CO 1
				Max M _z	▷ -53.58	27.49	-26.95	▷ -6.43	-9.58	-7.05	CO 14
	RC2	104	0.000	Min M _z	▷ -71.52	31.62	-33.84	▷ -6.48	-12.95	-7.69	CO 5
				Max N	▷ 69.30	1.27	-7.57	▷ -3.00	5.30	0.53	CO 21
				Min N	▷ 53.74	0.48	-3.73	▷ -2.86	4.21	0.41	CO 24
				Max V _y	▷ 67.11	1.29	-7.40	▷ -3.01	5.37	0.53	CO 22
				Min V _y	▷ 55.93	0.47	-3.90	▷ -2.84	4.14	0.42	CO 23
				Max V _z	▷ 54.13	0.49	-3.67	▷ -2.86	4.21	0.41	CO 28
				Min V _z	▷ 68.99	1.27	-7.63	▷ -3.00	5.30	0.53	CO 19
				Max M _T	▷ 55.93	0.47	-3.90	▷ -2.84	4.14	0.42	CO 23
				Min M _T	▷ 67.11	1.29	-7.40	▷ -3.01	5.37	0.53	CO 22
				Max M _y	▷ 66.80	1.28	-7.45	▷ -3.01	5.37	0.53	CO 20
				Min M _y	▷ 56.32	0.48	-3.84	▷ -2.84	4.14	0.42	CO 27
				Max M _z	▷ 68.99	1.27	-7.63	▷ -3.00	5.30	0.53	CO 19



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]				Corresponding Load Cases		
				N	V _y	V _z	M _T	M _y	M _z					
153	RC2	72	2.300	Min M _z	53.74	0.48	-3.73	-2.86	4.21	0.41	CO 24			
				Max N	-38.13	22.11	-20.47	-4.45	-7.44	-5.49	CO 27			
				Min N	-53.97	21.73	-24.21	-5.08	-9.11	-5.45	CO 18			
				Max V _y	-52.75	23.37	-24.86	-4.80	-9.50	-5.70	CO 19			
				Min V _y	-40.28	20.49	-19.87	-4.74	-7.05	-5.26	CO 24			
				Max V _z	-39.32	20.49	-19.82	-4.74	-7.05	-5.25	CO 28			
				Min V _z	-52.75	23.37	-24.86	-4.80	-9.50	-5.70	CO 19			
				Max M _T	-38.13	22.11	-20.47	-4.45	-7.44	-5.49	CO 27			
				Min M _T	-53.94	21.76	-24.21	-5.08	-9.11	-5.46	CO 20			
				Max M _y	-40.26	20.51	-19.87	-4.74	-7.04	-5.26	CO 26			
				Min M _y	-51.85	23.33	-24.81	-4.79	-9.52	-5.68	CO 15			
				Max M _z	-39.32	20.49	-19.82	-4.74	-7.05	-5.25	CO 28			
				Min M _z	-52.75	23.37	-24.86	-4.80	-9.50	-5.70	CO 19			
				RC6	104	0.000	Max N	118.55	1.73	6.68	-4.10	8.79	0.75	LC 1-5
							Min N	1.03	0.05	-18.52	-2.17	0.73	0.19	LC 1-4
							Max V _y	86.94	2.73	-0.85	-3.59	6.70	1.10	LC 1-4
	Min V _y	32.64	-0.95				-10.98	-2.68	2.83	-0.15	LC 1-5			
	Max V _z	117.74	1.61				6.96	-4.04	8.79	0.68	LC 1-4			
	Min V _z	1.84	0.17				-18.80	-2.23	0.74	0.27	LC 1-5			
	Max M _T	39.62	0.55				-9.29	-1.50	3.78	0.02	LC 1-5			
	Min M _T	79.95	1.23				-2.55	-4.77	5.75	0.92	LC 1-4			
	Max M _y	118.08	1.77				6.83	-4.00	8.83	0.72	LC 1-4			
	Min M _y	1.49	0.01				-18.66	-2.27	0.70	0.22	LC 1-5			
	Max M _z	84.97	2.66				-1.40	-3.74	6.49	1.16	LC 1-5			
	Min M _z	34.61	-0.88				-10.43	-2.54	3.04	-0.21	LC 1-4			
	72	2.300	Max N				79.87	21.26	-4.49	-3.16	11.88	-7.74	LC 1-4	
			Min N				-179.96	24.12	-40.96	-6.52	-29.12	-3.67	LC 1-5	
			Max V _y				-70.84	40.17	-17.60	-9.42	-0.76	-14.74	LC 1-4	
			Min V _y				-29.25	5.21	-27.84	-0.26	-16.48	3.33	LC 1-5	
			Max V _z				69.76	27.01	-3.20	-4.73	14.00	-10.67	LC 1-4	
			Min V _z				-169.86	18.37	-42.24	-4.95	-31.24	-0.74	LC 1-5	
			Max M _T	4.24	5.99	-22.73	-0.05	-10.64	2.25	LC 1-4				
			Min M _T	-104.33	39.39	-22.72	-9.63	-6.60	-13.66	LC 1-5				
			Max M _y	66.16	28.07	-3.26	-5.02	14.08	-11.16	LC 1-4				
			Min M _y	-166.26	17.31	-42.18	-4.66	-31.31	-0.25	LC 1-5				
			Max M _z	-49.06	5.57	-30.62	-0.51	-19.57	3.60	LC 1-5				
			Min M _z	-51.03	39.81	-14.82	-9.17	2.33	-15.01	LC 1-4				
	156	RC1	139	0.000	Max N	-27.95	22.18	-25.29	-5.23	0.46	1.70	CO 11		
					Min N	-40.75	24.85	-31.56	-5.66	0.53	1.96	CO 2		
					Max V _y	-40.63	24.89	-31.55	-5.67	0.54	1.97	CO 8		
					Min V _y	-28.06	22.15	-25.31	-5.22	0.46	1.70	CO 9		
					Max V _z	-28.52	22.36	-23.90	-5.28	0.72	1.62	CO 12		
					Min V _z	-40.18	24.67	-32.96	-5.61	0.27	2.04	CO 1		
					Max M _T	-28.06	22.15	-25.31	-5.22	0.46	1.70	CO 9		
Min M _T					-40.63	24.89	-31.55	-5.67	0.54	1.97	CO 8			
Max M _y					-28.52	22.36	-23.90	-5.28	0.72	1.62	CO 12			
Min M _y					-40.18	24.67	-32.96	-5.61	0.27	2.04	CO 1			
Max M _z					-40.06	24.71	-32.94	-5.62	0.27	2.04	CO 7			
Min M _z					-28.63	22.33	-23.91	-5.27	0.72	1.62	CO 10			
68					0.420	Max N	-27.95	22.18	-26.57	-5.23	-10.43	-7.62	CO 11	
						Min N	-40.75	24.85	-32.84	-5.66	-12.99	-8.48	CO 2	
						Max V _y	-40.64	24.89	-32.83	-5.67	-12.98	-8.49	CO 8	
						Min V _y	-28.07	22.15	-26.59	-5.22	-10.44	-7.61	CO 9	
						Max V _z	-28.52	22.37	-25.18	-5.28	-9.58	-7.77	CO 12	
						Min V _z	-40.18	24.67	-34.24	-5.61	-13.84	-8.33	CO 1	
						Max M _T	-28.07	22.15	-26.59	-5.22	-10.44	-7.61	CO 9	
						Min M _T	-40.64	24.89	-32.83	-5.67	-12.98	-8.49	CO 8	
						Max M _y	-28.52	22.37	-25.18	-5.28	-9.58	-7.77	CO 12	
						Min M _y	-40.18	24.67	-34.24	-5.61	-13.84	-8.33	CO 1	
						Max M _z	-28.07	22.15	-26.59	-5.22	-10.44	-7.61	CO 9	
						Min M _z	-40.64	24.89	-32.83	-5.67	-12.98	-8.49	CO 8	
RC2		139	0.000	Max N	-21.03	16.12	-18.45	-3.78	0.30	1.24	CO 25			
				Min N	-30.46	18.08	-23.20	-4.10	0.33	1.44	CO 16			
				Max V _y	-30.38	18.11	-23.19	-4.11	0.34	1.44	CO 22			
				Min V _y	-21.11	16.09	-18.46	-3.78	0.30	1.24	CO 23			
				Max V _z	-21.41	16.24	-17.52	-3.82	0.47	1.19	CO 26			
				Min V _z	-30.08	17.96	-24.13	-4.06	0.16	1.49	CO 15			
				Max M _T	-21.11	16.09	-18.46	-3.78	0.30	1.24	CO 23			
				Min M _T	-30.38	18.11	-23.19	-4.11	0.34	1.44	CO 22			
	Max M _y			-21.41	16.24	-17.52	-3.82	0.47	1.19	CO 26				
	Min M _y			-30.08	17.96	-24.13	-4.06	0.16	1.49	CO 15				
	Max M _z			-30.00	17.99	-24.12	-4.07	0.16	1.49	CO 21				
	Min M _z			-21.49	16.21	-17.53	-3.81	0.47	1.19	CO 24				
	68			0.420	Max N	-21.03	16.12	-19.40	-3.78	-7.65	-5.53	CO 25		
					Min N	-30.47	18.08	-24.15	-4.10	-9.61	-6.15	CO 16		
					Max V _y	-30.38	18.11	-24.13	-4.11	-9.60	-6.16	CO 22		
					Min V _y	-21.12	16.09	-19.41	-3.78	-7.66	-5.52	CO 23		
					Max V _z	-21.41	16.24	-18.47	-3.82	-7.08	-5.63	CO 26		
					Min V _z	-30.08	17.96	-25.07	-4.06	-10.18	-6.05	CO 15		
Max M _T		-21.12	16.09		-19.41	-3.78	-7.66	-5.52	CO 23					
Min M _T		-30.38	18.11		-24.13	-4.11	-9.60	-6.16	CO 22					
Max M _y		-21.41	16.24		-18.47	-3.82	-7.08	-5.63	CO 26					
Min M _y		-30.08	17.96		-25.07	-4.06	-10.18	-6.05	CO 15					
Max M _z		-21.12	16.09		-19.41	-3.78	-7.66	-5.52	CO 23					
Min M _z		-30.38	18.11		-24.13	-4.11	-9.60	-6.16	CO 22					
RC6	139	0.000	Max N	5.67	14.99	-3.39	-3.49	4.38	-0.44	LC 1-5				
			Min N	-65.32	15.99	-39.04	-3.18	-4.30	3.07	LC 1-4				
			Max V _y	-33.94	22.66	-22.38	-5.62	-0.80	1.92	LC 1-5				
			Min V _y	-25.71	8.32	-20.05	-1.05	0.88	0.71	LC 1-4				
			Max V _z	5.14	15.30	-3.14	-3.67	4.29	-0.47	LC 1-5				
			Min V _z	-64.79	15.68	-39.29	-3.01	-4.21	3.10	LC 1-4				
			Max M _T	-30.79	8.72	-23.16	-0.92	0.31	1.12	LC 1-4				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member	Node			Location	Forces [kN]			Moments [kNm]			Corresponding						
No.	RC	No.	x [m]		N	V _y	V _z	M _T	M _y	M _z	Load Cases						
156	RC6	68	0.420	Min M _T	-28.86	22.25	-19.26	▷	-5.75	-0.23	1.51	LC 1-5					
				Max M _y	5.43	14.68	-3.59	▷	-3.34	4.41	-0.42	LC 1-5					
				Min M _y	-65.08	16.29	-38.84	▷	-3.33	-4.33	3.05	LC 1-4					
				Max M _z	-60.83	17.81	-37.82	▷	-3.58	-3.84	3.22	LC 1-5					
				Min M _z	1.18	13.17	-4.60	▷	-3.09	3.92	-0.59	LC 1-4					
				Max N	5.67	14.99	-4.34	▷	-3.49	2.76	-6.73	LC 1-5					
				Min N	▷	-65.32	15.99	-39.99	▷	-3.18	-20.89	-3.64	LC 1-4				
				Max V _y	▷	-33.94	▷	22.66	▷	-5.62	-10.40	-7.60	LC 1-5				
				Min V _y	▷	-25.71	▷	8.32	▷	-1.05	-7.74	-2.78	LC 1-4				
				Max V _z	5.14	15.30	▷	-4.09	▷	-3.67	2.77	-6.89	LC 1-5				
				Min V _z	-64.79	15.68	▷	-40.24	▷	-3.01	-20.91	-3.48	LC 1-4				
				Max M _T	-30.79	8.72	▷	-24.11	▷	-0.92	-9.61	-2.54	LC 1-4				
				Min M _T	-28.86	22.25	▷	-20.22	▷	-5.75	-8.52	-7.83	LC 1-5				
				Max M _y	5.47	15.02	▷	-4.16	▷	-3.53	2.82	-6.77	LC 1-5				
				Min M _y	-65.12	15.95	▷	-40.17	▷	-3.14	-20.95	-3.60	LC 1-4				
				Max M _z	-37.18	8.97	▷	-27.16	▷	-1.03	-11.71	-2.34	LC 1-4				
				Min M _z	-22.47	22.01	▷	-17.17	▷	-5.65	-6.43	-8.04	LC 1-5				
				163	RC1	110	0.000	Max N	▷	104.70	2.13	2.36	▷	-1.39	8.02	0.81	CO 7
								Min N	▷	78.80	0.96	3.98	▷	-1.36	6.19	0.70	CO 10
								Max V _y	▷	100.75	2.14	2.63	▷	-1.39	8.02	0.81	CO 8
Min V _y	▷	82.75	0.95					3.71	▷	-1.36	6.19	0.69	CO 9				
Max V _z	▷	78.95	0.97					4.09	▷	-1.37	6.17	0.70	CO 14				
Min V _z	▷	104.54	2.13					2.25	▷	-1.38	8.05	0.81	CO 3				
Max M _T	▷	82.86	0.95					3.71	▷	-1.36	6.19	0.70	CO 11				
Min M _T	▷	100.64	2.14					2.63	▷	-1.39	8.02	0.81	CO 2				
Max M _y	▷	100.59	2.14					2.52	▷	-1.38	8.05	0.81	CO 4				
Min M _y	▷	82.91	0.96					3.82	▷	-1.36	6.17	0.70	CO 13				
Max M _z	▷	100.70	2.14					2.52	▷	-1.38	8.05	0.81	CO 6				
Min M _z	▷	82.75	0.95					3.71	▷	-1.36	6.19	0.69	CO 9				
104	0.928	Max N	▷					95.06	-0.41	-6.42	▷	-3.70	7.17	0.72	CO 7		
		Min N	▷					73.71	0.73	-5.13	▷	-3.73	5.72	0.55	CO 10		
		Max V _y	▷					73.81	0.74	-5.13	▷	-3.73	5.72	0.55	CO 12		
		Min V _y	▷					94.96	-0.41	-6.42	▷	-3.70	7.17	0.72	CO 1		
		Max V _z	▷					74.23	0.73	-5.02	▷	-3.74	5.71	0.55	CO 14		
		Min V _z	▷					94.53	-0.40	-6.54	▷	-3.69	7.18	0.72	CO 3		
		Max M _T	▷					94.53	-0.40	-6.54	▷	-3.69	7.18	0.72	CO 3		
		Min M _T	▷					74.23	0.73	-5.02	▷	-3.74	5.71	0.55	CO 14		
		Max M _y	▷					91.36	-0.38	-6.27	▷	-3.71	7.28	0.71	CO 6		
		Min M _y	▷					77.51	0.71	-5.29	▷	-3.72	5.61	0.56	CO 13		
		Max M _z	▷					94.64	-0.40	-6.53	▷	-3.69	7.18	0.72	CO 5		
		Min M _z	▷					73.71	0.73	-5.13	▷	-3.73	5.72	0.55	CO 10		
RC2	110	0.000	Max N					▷	76.43	1.53	1.83	▷	-1.05	5.88	0.60	CO 21	
			Min N					▷	57.53	0.67	3.01	▷	-1.04	4.52	0.51	CO 24	
			Max V _y					▷	73.80	1.54	2.01	▷	-1.06	5.88	0.60	CO 22	
			Min V _y					▷	60.17	0.66	2.83	▷	-1.03	4.52	0.51	CO 23	
			Max V _z					▷	57.65	0.67	3.10	▷	-1.04	4.50	0.51	CO 28	
			Min V _z					▷	76.32	1.53	1.75	▷	-1.05	5.89	0.59	CO 17	
			Max M _T					▷	60.25	0.66	2.83	▷	-1.03	4.52	0.51	CO 25	
			Min M _T					▷	73.72	1.54	2.01	▷	-1.06	5.88	0.59	CO 16	
			Max M _y					▷	76.32	1.53	1.75	▷	-1.05	5.89	0.59	CO 17	
			Min M _y					▷	57.65	0.67	3.10	▷	-1.04	4.50	0.51	CO 28	
			Max M _z					▷	73.76	1.53	1.93	▷	-1.05	5.89	0.60	CO 20	
			Min M _z					▷	60.17	0.66	2.83	▷	-1.03	4.52	0.51	CO 23	
			104			0.928	Max N	▷	69.50	-0.27	-4.69	▷	-2.76	5.27	0.53	CO 21	
							Min N	▷	53.92	0.57	-3.75	▷	-2.78	4.18	0.40	CO 24	
							Max V _y	▷	53.99	0.58	-3.75	▷	-2.78	4.18	0.41	CO 26	
							Min V _y	▷	69.42	-0.27	-4.69	▷	-2.76	5.26	0.53	CO 15	
							Max V _z	▷	54.31	0.57	-3.67	▷	-2.79	4.18	0.41	CO 28	
							Min V _z	▷	69.11	-0.26	-4.77	▷	-2.75	5.27	0.53	CO 17	
							Max M _T	▷	69.11	-0.26	-4.77	▷	-2.75	5.27	0.53	CO 17	
							Min M _T	▷	54.31	0.57	-3.67	▷	-2.79	4.18	0.41	CO 28	
							Max M _y	▷	67.00	-0.25	-4.59	▷	-2.77	5.34	0.52	CO 20	
							Min M _y	▷	56.50	0.56	-3.85	▷	-2.78	4.11	0.41	CO 27	
							Max M _z	▷	69.19	-0.26	-4.77	▷	-2.76	5.27	0.53	CO 19	
							Min M _z	▷	53.92	0.57	-3.75	▷	-2.78	4.18	0.40	CO 24	
			RC6			110	0.000	Max N	▷	86.00	2.03	14.06	▷	-1.87	6.32	0.96	LC 1-5
								Min N	▷	45.67	0.15	-9.40	▷	-0.60	4.17	0.10	LC 1-4
								Max V _y	▷	74.90	3.20	7.18	▷	-1.29	6.02	1.19	LC 1-5
								Min V _y	▷	56.76	-1.02	-2.51	▷	-1.18	4.46	-0.13	LC 1-4
								Max V _z	▷	84.83	1.91	14.59	▷	-1.99	6.42	0.85	LC 1-4
								Min V _z	▷	46.84	0.27	-9.93	▷	-0.48	4.07	0.22	LC 1-5
								Max M _T	▷	48.23	0.90	-9.10	▷	-0.42	4.31	0.38	LC 1-5
								Min M _T	▷	83.43	1.28	13.76	▷	-2.05	6.18	0.69	LC 1-4
								Max M _y	▷	83.07	2.34	13.44	▷	-1.74	6.57	0.88	LC 1-5
								Min M _y	▷	48.59	-0.16	-8.78	▷	-0.73	3.92	0.18	LC 1-4
								Max M _z	▷	76.96	3.06	7.53	▷	-1.35	5.83	1.30	LC 1-5
								Min M _z	▷	54.71	-0.88	-2.87	▷	-1.12	4.66	-0.24	LC 1-4
								104	0.928	Max N	▷	117.65	1.25	7.81	▷	-3.90	8.65
Min N	▷	2.31								-0.95	-16.50	▷	-1.85	0.81	0.70	LC 1-4	
Max V _y	▷	89.80								2.30	1.56	▷	-3.24	6.60	-0.10	LC 1-5	
Min V _y	▷	30.16								-2.00	-10.26	▷	-2.50	2.86	1.04	LC 1-4	
Max V _z	▷	117.47								1.17	7.97	▷	-3.95	8.66	0.24	LC 1-4	
Min V _z	▷	2.50								-0.87	-16.67	▷	-1.79	0.79	0.69	LC 1-5	
Max M _T	▷	41.31								-0.10	-8.37	▷	-0.80	3.80	0.09	LC 1-5	
Min M _T	▷	78.66								0.40	-0.33	▷	-4.95	5.65	0.84	LC 1-4	
Max M _y	▷	117.18								1.15	7.91	▷	-3.79	8.68	0.20	LC 1-4	
Min M _y	▷	2.78								-0.85	-16.60	▷	-1.96	0.77	0.73	LC 1-5	
Max M _z	▷	38.40								-1.82	-8.61	▷	-3.24	3.29	1.18	LC 1-5	
Min M _z	▷	81.57								2.12	-0.08	▷	-2.51	6.17	-0.24	LC 1-4	
RC1	108	0.000						Max N	▷	13.28	5.67	-90.73	▷	6.42	-34.35	-1.23	CO 4
				Min N	▷			-2.52	2.35	-78.50	▷	4.97	-32.65	0.91	CO 13		
				Max V _y	▷			12.33	8.21	-91.75	▷	6.44	-36.83	-1.44	CO 5		
				Min V _y	▷			12.33	8.21	-91.75	▷	6.44	-36.83	-1.44	CO 5		
				Max V _z	▷			12.33	8.21	-91.75	▷	6.44	-36.83	-1.44	CO 5		

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
164	RC1	76	0.928	Min V _y	-2.46	0.17	-77.47	4.95	-30.15	0.96	CO 14
				Max V _z	-1.35	0.54	-77.44	4.98	-30.03	0.63	CO 12
				Min V _z	12.10	7.48	-91.79	6.42	-36.98	-0.95	CO 1
				Max M _T	13.22	7.85	-91.76	6.45	-36.86	-1.28	CO 3
				Min M _T	-2.46	0.17	-77.47	4.95	-30.15	0.96	CO 14
				Max M _y	-1.35	0.54	-77.44	4.98	-30.03	0.63	CO 12
				Min M _y	12.10	7.48	-91.79	6.42	-36.98	-0.95	CO 1
				Max M _z	-2.46	0.17	-77.47	4.95	-30.15	0.96	CO 14
				Min M _z	12.33	8.21	-91.75	6.44	-36.83	-1.44	CO 5
				Max N	-100.12	-1.09	-87.61	13.84	-115.58	22.78	CO 10
				Min N	-113.07	20.26	-102.36	15.49	-136.43	20.35	CO 7
				Max V _y	-113.07	20.26	-102.36	15.49	-136.43	20.35	CO 7
				Min V _y	-100.12	-1.09	-87.61	13.84	-115.58	22.78	CO 10
				Max V _z	-101.98	-0.67	-87.58	13.89	-115.73	22.54	CO 14
				Min V _z	-112.62	20.17	-102.43	15.40	-136.21	20.21	CO 5
				Max M _T	-111.66	19.92	-102.32	15.54	-136.49	20.75	CO 1
				Min M _T	-101.53	-0.76	-87.65	13.80	-115.52	22.39	CO 12
				Max M _y	-101.53	-0.76	-87.65	13.80	-115.52	22.39	CO 12
				Min M _y	-111.66	19.92	-102.32	15.54	-136.49	20.75	CO 1
				Max M _z	-100.12	-1.09	-87.61	13.84	-115.58	22.78	CO 10
				Min M _z	-112.62	20.17	-102.43	15.40	-136.21	20.21	CO 5
	RC2	108	0.000	Max N	10.34	3.75	-66.81	4.69	-25.55	-0.64	CO 18
				Min N	-1.36	1.13	-57.68	3.61	-24.11	0.95	CO 27
				Max V _y	9.64	5.47	-67.50	4.70	-27.19	-0.80	CO 19
				Min V _y	-1.32	-0.32	-56.99	3.60	-22.44	0.98	CO 28
				Max V _z	-0.49	-0.05	-56.97	3.62	-22.35	0.74	CO 26
				Min V _z	9.47	4.93	-67.52	4.68	-27.31	-0.43	CO 15
				Max M _T	10.30	5.20	-67.50	4.71	-27.22	-0.68	CO 17
				Min M _T	-1.32	-0.32	-56.99	3.60	-22.44	0.98	CO 28
				Max M _y	-0.49	-0.05	-56.97	3.62	-22.35	0.74	CO 26
				Min M _y	9.47	4.93	-67.52	4.68	-27.31	-0.43	CO 15
				Max M _z	-1.32	-0.32	-56.99	3.60	-22.44	0.98	CO 28
				Min M _z	9.64	5.47	-67.50	4.70	-27.19	-0.80	CO 19
		76	0.928	Max N	-72.52	-1.48	-64.46	10.19	-85.37	17.26	CO 24
				Min N	-81.84	13.97	-75.30	11.40	-100.55	15.56	CO 21
				Max V _y	-81.84	13.97	-75.30	11.40	-100.55	15.56	CO 21
				Min V _y	-72.52	-1.48	-64.46	10.19	-85.37	17.26	CO 24
				Max V _z	-73.89	-1.17	-64.44	10.22	-85.48	17.08	CO 28
				Min V _z	-81.51	13.90	-75.35	11.34	-100.39	15.45	CO 19
				Max M _T	-80.80	13.72	-75.27	11.44	-100.60	15.85	CO 15
				Min M _T	-73.56	-1.23	-64.49	10.15	-85.33	16.97	CO 26
				Max M _y	-73.56	-1.23	-64.49	10.15	-85.33	16.97	CO 26
				Min M _y	-80.80	13.72	-75.27	11.44	-100.60	15.85	CO 15
				Max M _z	-72.52	-1.48	-64.46	10.19	-85.37	17.26	CO 24
				Min M _z	-81.51	13.90	-75.35	11.34	-100.39	15.45	CO 19
	RC6	108	0.000	Max N	92.33	-13.01	-40.80	3.47	30.01	13.88	LC 1-4
				Min N	-65.64	14.38	-84.80	4.60	-82.21	-11.49	LC 1-5
				Max V _y	-43.86	26.68	-68.55	0.52	-47.56	-19.32	LC 1-5
				Min V _y	70.56	-25.32	-57.04	7.56	-4.65	21.72	LC 1-4
				Max V _z	82.82	-6.40	-39.57	2.47	30.84	9.17	LC 1-5
				Min V _z	-56.13	7.76	-86.03	5.61	-83.04	-6.77	LC 1-4
				Max M _T	35.03	-19.79	-67.38	8.51	-29.80	17.32	LC 1-5
				Min M _T	-8.33	21.15	-58.22	-0.43	-22.40	-14.93	LC 1-4
				Max M _y	87.12	-9.01	-39.79	2.97	31.46	11.24	LC 1-5
				Min M _y	-60.43	10.37	-85.81	5.10	-83.66	-8.85	LC 1-4
				Max M _z	72.87	-24.99	-55.84	7.52	-1.64	21.99	LC 1-4
				Min M _z	-46.17	26.35	-69.75	0.55	-50.56	-19.60	LC 1-5
		76	0.928	Max N	116.35	-33.28	-44.74	8.34	-21.08	59.11	LC 1-4
				Min N	-248.23	43.60	-95.84	13.06	-168.73	-21.36	LC 1-5
				Max V _y	-244.74	44.24	-95.48	14.06	-169.12	-20.44	LC 1-5
				Min V _y	112.86	-33.92	-45.10	7.34	-20.68	58.19	LC 1-4
				Max V _z	114.80	-33.09	-44.56	7.73	-19.89	58.71	LC 1-4
				Min V _z	-246.68	43.41	-96.02	13.66	-169.92	-20.96	LC 1-5
				Max M _T	-18.64	3.51	-68.74	23.47	-106.95	31.53	LC 1-4
				Min M _T	-113.24	6.81	-71.83	-2.07	-82.85	6.22	LC 1-5
				Max M _y	103.15	-31.39	-45.06	6.12	-18.54	55.46	LC 1-5
				Min M _y	-235.03	41.71	-95.51	15.27	-171.27	-17.71	LC 1-4
				Max M _z	116.00	-33.16	-44.82	8.46	-21.35	59.19	LC 1-4
				Min M _z	-247.88	43.48	-95.76	12.93	-168.45	-21.44	LC 1-5
167	RC1	113	0.000	Max N	66.22	2.22	16.31	1.90	4.90	1.30	CO 5
				Min N	46.19	0.89	14.76	1.84	3.47	1.13	CO 14
				Max V _y	61.07	2.23	16.69	1.92	4.77	1.31	CO 2
				Min V _y	51.25	0.88	14.38	1.81	3.60	1.12	CO 11
				Max V _z	61.07	2.23	16.69	1.92	4.77	1.31	CO 2
				Min V _z	51.25	0.88	14.38	1.81	3.60	1.12	CO 11
				Max M _T	61.49	2.23	16.58	1.93	4.81	1.31	CO 6
				Min M _T	50.92	0.88	14.49	1.81	3.55	1.12	CO 13
				Max M _y	66.12	2.22	16.31	1.90	4.90	1.30	CO 3
				Min M _y	46.19	0.89	14.76	1.84	3.47	1.13	CO 14
				Max M _z	61.17	2.23	16.69	1.92	4.77	1.31	CO 8
				Min M _z	51.15	0.88	14.38	1.81	3.60	1.12	CO 9
		110	0.927	Max N	104.67	-1.01	8.08	-1.46	8.03	0.80	CO 7
				Min N	78.78	0.15	5.88	-1.49	6.20	0.69	CO 10
				Max V _y	78.94	0.15	6.00	-1.49	6.18	0.69	CO 14
				Min V _y	104.51	-1.01	7.96	-1.45	8.06	0.80	CO 3
				Max V _z	100.72	-1.00	8.35	-1.46	8.03	0.80	CO 8
				Min V _z	82.73	0.14	5.61	-1.49	6.20	0.69	CO 9
				Max M _T	104.62	-1.01	7.96	-1.45	8.06	0.80	CO 5
				Min M _T	78.94	0.15	6.00	-1.49	6.18	0.69	CO 14
				Max M _y	100.56	-1.00	8.23	-1.46	8.06	0.80	CO 4
				Min M _y	82.89	0.14	5.73	-1.49	6.18	0.69	CO 13
				Max M _z	100.67	-1.00	8.23	-1.45	8.06	0.80	CO 6

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
167	RC1	113	0.000	Min M _z	82.73	0.14	5.61	-1.49	6.20	0.69	CO 9
	Max N			48.12	1.59	12.05	1.37	3.58	0.95	CO 19	
	Min N			33.62	0.61	10.88	1.31	2.52	0.83	CO 28	
	Max V _y			44.65	1.59	12.31	1.37	3.49	0.96	CO 16	
	Min V _y			37.02	0.60	10.62	1.30	2.62	0.82	CO 25	
	Max V _z			44.65	1.59	12.31	1.37	3.49	0.96	CO 16	
	Min V _z			37.02	0.60	10.62	1.30	2.62	0.82	CO 25	
	Max M _T			44.96	1.59	12.23	1.39	3.52	0.96	CO 20	
	Min M _T			36.78	0.60	10.70	1.29	2.58	0.82	CO 27	
	Max M _y			48.05	1.59	12.05	1.36	3.58	0.95	CO 17	
	Min M _y			33.62	0.61	10.88	1.31	2.52	0.83	CO 28	
	Max M _z			44.72	1.59	12.31	1.38	3.49	0.96	CO 22	
	Min M _z			36.94	0.60	10.62	1.29	2.62	0.82	CO 23	
	Max N			76.41	-0.71	5.93	-1.11	5.89	0.59	CO 21	
	Min N			57.52	0.15	4.28	-1.13	4.53	0.50	CO 24	
	Max V _y			57.63	0.15	4.36	-1.13	4.51	0.50	CO 28	
	Min V _y			76.30	-0.71	5.84	-1.10	5.90	0.59	CO 17	
	Max V _z			73.77	-0.70	6.10	-1.11	5.89	0.59	CO 22	
	Min V _z			60.16	0.15	4.10	-1.13	4.53	0.50	CO 23	
	Max M _T			76.37	-0.71	5.84	-1.10	5.90	0.59	CO 19	
	Min M _T			57.63	0.15	4.36	-1.13	4.51	0.50	CO 28	
	Max M _y			73.66	-0.70	6.02	-1.10	5.90	0.59	CO 18	
	Min M _y			60.27	0.15	4.19	-1.13	4.51	0.50	CO 27	
	Max M _z			73.74	-0.70	6.02	-1.10	5.90	0.59	CO 20	
	Min M _z	60.16	0.15	4.10	-1.13	4.53	0.50	CO 23			
	RC6	113	0.000	Max N	61.05	0.04	-0.56	1.39	4.81	0.40	LC 1-5
	Min N			18.82	2.16	23.57	0.73	1.46	1.29	LC 1-4	
	Max V _y			27.46	2.94	18.20	0.88	2.33	1.42	LC 1-4	
	Min V _y			52.41	-0.73	4.80	1.23	3.94	0.27	LC 1-5	
	Max V _z			19.22	2.10	23.79	0.83	1.34	1.32	LC 1-4	
	Min V _z			60.65	0.11	-0.78	1.28	4.92	0.37	LC 1-5	
	Max M _T			45.37	0.96	9.88	2.23	2.65	1.24	LC 1-5	
	Min M _T			34.50	1.24	13.13	-0.12	3.62	0.45	LC 1-4	
	Max M _y			59.20	0.27	-0.24	1.02	5.05	0.31	LC 1-5	
	Min M _y			20.67	1.94	23.25	1.10	1.22	1.38	LC 1-4	
	Max M _z			26.95	2.71	19.59	1.47	1.78	1.61	LC 1-5	
	Min M _z			52.92	-0.50	3.42	0.65	4.48	0.08	LC 1-4	
	Max N			85.03	0.62	16.98	-2.07	6.18	0.46	LC 1-5	
	Min N			46.60	-1.20	-6.85	-0.46	4.32	0.59	LC 1-4	
	Max V _y			74.02	1.92	10.36	-1.39	5.54	-0.07	LC 1-5	
	Min V _y			57.61	-2.50	-0.24	-1.15	4.96	1.12	LC 1-4	
	Max V _z			84.23	0.65	17.34	-2.14	6.25	0.40	LC 1-4	
	Min V _z			47.41	-1.23	-7.22	-0.40	4.25	0.65	LC 1-5	
	Max M _T			48.34	-0.63	-6.23	-0.30	4.42	0.40	LC 1-5	
	Min M _T			83.29	0.05	16.36	-2.24	6.09	0.65	LC 1-4	
	Max M _y			81.94	0.19	15.95	-1.83	6.43	0.41	LC 1-5	
	Min M _y			49.69	-0.77	-5.82	-0.71	4.07	0.64	LC 1-4	
	Max M _z			63.44	-2.35	2.68	-1.42	5.05	1.24	LC 1-5	
	Min M _z			68.19	1.77	7.45	-1.12	5.45	-0.18	LC 1-4	
	168	RC1	111	0.000	Max N	47.83	3.67	-58.02	1.87	32.65	-2.00
Min N					29.27	2.76	-50.47	0.98	26.90	-0.95	CO 13
Max V _y					46.33	4.53	-58.94	1.86	31.19	-1.99	CO 5
Min V _y					30.04	2.15	-49.54	0.98	28.38	-1.02	CO 14
Max V _z					31.15	2.54	-49.50	1.03	28.45	-1.18	CO 12
Min V _z					45.95	3.89	-58.98	1.82	31.09	-1.77	CO 1
Max M _T					47.83	3.67	-58.02	1.87	32.65	-2.00	CO 4
Min M _T					29.27	2.76	-50.47	0.98	26.90	-0.95	CO 13
Max M _y					47.10	3.92	-58.01	1.87	32.67	-2.06	CO 6
Min M _y					29.27	2.76	-50.47	0.98	26.90	-0.95	CO 13
Max M _z					29.27	2.76	-50.47	0.98	26.90	-0.95	CO 13
Min M _z					47.10	3.92	-58.01	1.87	32.67	-2.06	CO 6
Max N					14.69	8.64	-87.89	6.28	-36.99	-1.41	CO 3
Min N					-1.19	-0.47	-76.43	5.07	-30.25	0.83	CO 14
Max V _y					13.80	9.00	-87.89	6.27	-36.95	-1.58	CO 5
Min V _y					0.81	-0.47	-76.40	5.12	-30.16	0.67	CO 10
Max V _z					-0.08	-0.11	-76.40	5.11	-30.13	0.50	CO 12
Min V _z					13.58	8.27	-87.92	6.25	-37.11	-1.09	CO 1
Max M _T					14.69	8.64	-87.89	6.28	-36.99	-1.41	CO 3
Min M _T					-1.19	-0.47	-76.43	5.07	-30.25	0.83	CO 14
Max M _y					-0.08	-0.11	-76.40	5.11	-30.13	0.50	CO 12
Min M _y					13.58	8.27	-87.92	6.25	-37.11	-1.09	CO 1
Max M _z					-1.19	-0.47	-76.43	5.07	-30.25	0.83	CO 14
Min M _z					13.80	9.00	-87.89	6.27	-36.95	-1.58	CO 5
RC2		111	0.000	Max N	35.61	2.43	-42.76	1.34	23.88	-1.37	CO 18
Min N				21.93	1.71	-37.10	0.68	19.73	-0.59	CO 27	
Max V _y				34.56	3.02	-43.37	1.33	22.91	-1.37	CO 19	
Min V _y				22.44	1.30	-36.48	0.68	20.71	-0.64	CO 28	
Max V _z				23.25	1.59	-36.45	0.71	20.77	-0.76	CO 26	
Min V _z				34.28	2.55	-43.40	1.31	22.84	-1.20	CO 15	
Max M _T				35.61	2.43	-42.76	1.34	23.88	-1.37	CO 18	
Min M _T				21.93	1.71	-37.10	0.68	19.73	-0.59	CO 27	
Max M _y				35.07	2.61	-42.75	1.34	23.90	-1.42	CO 20	
Min M _y				21.93	1.71	-37.10	0.68	19.73	-0.59	CO 27	
Max M _z				21.93	1.71	-37.10	0.68	19.73	-0.59	CO 27	
Min M _z				35.07	2.61	-42.75	1.34	23.90	-1.42	CO 20	
Max N				11.38	5.74	-64.74	4.59	-27.31	-0.77	CO 17	
Min N				-0.38	-0.84	-56.34	3.70	-22.51	0.88	CO 28	
Max V _y				10.73	6.01	-64.74	4.58	-27.29	-0.90	CO 19	
Min V _y				1.10	-0.84	-56.32	3.73	-22.45	0.76	CO 24	
Max V _z				0.45	-0.57	-56.32	3.72	-22.42	0.64	CO 26	
Min V _z				10.56	5.47	-64.76	4.56	-27.40	-0.53	CO 15	
Max M _T				11.38	5.74	-64.74	4.59	-27.31	-0.77	CO 17	

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
168	RC2			Min M _T	-0.38	-0.84	-56.34	3.70	-22.51	0.88	CO 28
				Max M _y	0.45	-0.57	-56.32	3.72	-22.42	0.64	CO 26
				Min M _y	10.56	5.47	-64.76	4.56	-27.40	-0.53	CO 15
				Max M _z	-0.38	-0.84	-56.34	3.70	-22.51	0.88	CO 28
				Min M _z	10.73	6.01	-64.74	4.58	-27.29	-0.90	CO 19
				Max N	104.97	-6.28	-20.54	0.50	56.60	3.55	LC 1-4
				Min N	-33.19	7.35	-60.24	1.34	-14.34	-4.71	LC 1-5
				Max V _y	-1.42	19.74	-43.77	-0.78	9.76	-9.33	LC 1-5
				Min V _y	73.20	-18.67	-37.01	2.63	32.51	8.18	LC 1-4
				Max V _z	99.22	-2.18	-19.70	0.17	56.44	1.98	LC 1-5
				Min V _z	-27.43	3.25	-61.08	1.67	-14.17	-3.14	LC 1-4
				Max M _T	48.59	-15.72	-43.70	3.01	21.00	6.82	LC 1-5
	RC6	111	0.000	Min M _T	23.20	16.78	-37.08	-1.16	21.27	-7.98	LC 1-4
				Max M _y	102.11	-4.12	-19.99	0.41	57.00	2.79	LC 1-5
				Min M _y	-30.32	5.18	-60.80	1.44	-14.73	-3.94	LC 1-4
				Max M _z	78.78	-18.32	-34.68	2.54	36.20	8.35	LC 1-4
				Min M _z	-6.99	19.39	-46.10	-0.69	6.07	-9.51	LC 1-5
				Max N	90.51	-13.39	-38.75	3.44	29.20	14.71	LC 1-4
				Min N	-61.74	14.84	-83.45	4.54	-81.58	-12.50	LC 1-5
				Max V _y	-41.90	27.38	-67.48	0.07	-47.53	-19.62	LC 1-5
				Min V _y	70.67	-25.93	-54.72	7.91	-4.84	21.83	LC 1-4
				Max V _z	81.99	-7.14	-37.64	2.44	30.29	10.36	LC 1-5
				Min V _z	-53.23	8.60	-84.56	5.54	-82.67	-8.15	LC 1-4
				Max M _T	36.32	-20.48	-65.15	8.90	-29.70	17.28	LC 1-5
		108	0.927	Min M _T	-7.55	21.93	-57.05	-0.91	-22.68	-15.07	LC 1-4
				Max M _y	85.23	-9.24	-37.80	2.89	30.71	12.08	LC 1-5
				Min M _y	-56.46	10.70	-84.40	5.09	-83.09	-9.87	LC 1-4
				Max M _z	73.30	-25.47	-53.33	7.84	-1.32	22.24	LC 1-4
				Min M _z	-44.53	26.92	-68.87	0.14	-51.06	-20.03	LC 1-5
				Max N	-16.66	-6.10	25.09	6.64	-3.21	0.73	CO 11
				Min N	-26.08	-5.59	31.23	7.10	-3.99	0.94	CO 2
				Max V _y	-19.91	-5.53	30.84	7.02	-3.71	0.92	CO 3
				Min V _y	-22.82	-6.15	25.47	6.72	-3.48	0.74	CO 14
				Max V _z	-26.08	-5.59	31.23	7.10	-3.99	0.94	CO 2
				Min V _z	-16.66	-6.10	25.09	6.64	-3.21	0.73	CO 11
				Max M _T	-25.31	-5.60	31.12	7.12	-3.92	0.94	CO 6
171	RC1	116	0.000	Min M _T	-16.74	-6.09	25.09	6.63	-3.21	0.73	CO 9
				Max M _y	-16.74	-6.09	25.09	6.63	-3.21	0.73	CO 9
				Min M _y	-25.99	-5.60	31.23	7.11	-3.99	0.94	CO 8
				Max M _z	-25.31	-5.60	31.12	7.12	-3.92	0.94	CO 6
				Min M _z	-17.35	-6.10	25.19	6.63	-3.27	0.73	CO 13
				Max N	66.10	-1.19	23.10	1.72	4.95	1.25	CO 5
				Min N	46.09	0.01	17.27	1.65	3.51	1.09	CO 14
				Max V _y	46.09	0.01	17.27	1.65	3.51	1.09	CO 14
				Min V _y	66.10	-1.19	23.10	1.72	4.95	1.25	CO 5
				Max V _z	60.94	-1.18	23.48	1.74	4.82	1.26	CO 2
				Min V _z	51.15	0.00	16.90	1.63	3.64	1.08	CO 11
				Max M _T	61.36	-1.19	23.36	1.75	4.86	1.26	CO 6
	RC2	116	0.000	Min M _T	50.83	0.01	17.01	1.62	3.60	1.08	CO 13
				Max M _y	66.01	-1.19	23.10	1.71	4.95	1.25	CO 3
		113	0.928	Min M _y	46.09	0.01	17.27	1.65	3.51	1.09	CO 14
				Max M _z	61.04	-1.18	23.47	1.74	4.82	1.26	CO 8
				Min M _z	51.05	0.00	16.90	1.62	3.64	1.08	CO 9
				Max N	-12.67	-4.48	18.42	4.84	-2.36	0.53	CO 25
				Min N	-19.24	-4.10	22.95	5.18	-2.92	0.69	CO 16
				Max V _y	-15.08	-4.06	22.69	5.12	-2.74	0.68	CO 17
				Min V _y	-16.83	-4.52	18.68	4.90	-2.55	0.54	CO 28
				Max V _z	-19.24	-4.10	22.95	5.18	-2.92	0.69	CO 16
				Min V _z	-12.67	-4.48	18.42	4.84	-2.36	0.53	CO 25
				Max M _T	-18.66	-4.10	22.87	5.19	-2.88	0.69	CO 20
	RC6	116	0.000	Min M _T	-12.74	-4.47	18.42	4.83	-2.36	0.53	CO 23
				Max M _y	-12.74	-4.47	18.42	4.83	-2.36	0.53	CO 23
		113	0.928	Min M _y	-19.17	-4.11	22.95	5.19	-2.93	0.69	CO 22
				Max M _z	-18.66	-4.10	22.87	5.19	-2.88	0.69	CO 20
				Min M _z	-13.18	-4.48	18.50	4.84	-2.41	0.53	CO 27
				Max N	48.03	-0.84	16.91	1.24	3.62	0.92	CO 19
				Min N	33.55	0.05	12.58	1.18	2.56	0.80	CO 28
				Max V _y	33.55	0.05	12.58	1.18	2.56	0.80	CO 28
				Min V _y	48.03	-0.84	16.91	1.24	3.62	0.92	CO 19
				Max V _z	44.56	-0.83	17.17	1.24	3.53	0.92	CO 16
				Min V _z	36.95	0.04	12.32	1.17	2.65	0.79	CO 25
				Max M _T	44.87	-0.84	17.09	1.26	3.56	0.92	CO 20
RC6	116	0.000	Min M _T	36.71	0.04	12.40	1.16	2.61	0.79	CO 27	
			Max M _y	47.96	-0.84	16.91	1.23	3.62	0.92	CO 17	
			Min M _y	33.55	0.05	12.58	1.18	2.56	0.80	CO 28	
			Max M _z	44.63	-0.83	17.17	1.25	3.53	0.92	CO 22	
			Min M _z	36.87	0.04	12.32	1.16	2.65	0.79	CO 23	
			Max N	41.62	-4.67	7.89	3.68	3.63	-0.23	LC 1-5	
			Min N	-75.73	-2.96	33.98	5.51	-8.76	1.47	LC 1-4	
			Max V _y	-22.97	-0.63	22.39	2.46	-2.44	0.86	LC 1-4	
			Min V _y	-11.15	-7.00	19.48	6.73	-2.69	0.38	LC 1-5	
			Max V _z	-75.56	-2.99	34.02	5.44	-8.74	1.45	LC 1-4	
			Min V _z	41.44	-4.64	7.85	3.75	3.61	-0.20	LC 1-5	
			Max M _T	-32.51	-6.13	24.03	7.23	-4.93	0.88	LC 1-5	
	113	0.928	Min M _T	-1.61	-1.50	17.84	1.96	-0.20	0.36	LC 1-4	
			Max M _y	41.20	-4.36	7.98	3.45	3.68	-0.21	LC 1-5	
			Min M _y	-75.32	-3.27	33.89	5.73	-8.81	1.46	LC 1-4	
			Max M _z	-66.19	-2.08	31.56	5.48	-7.69	1.64	LC 1-4	
			Min M _z	32.07	-5.55	10.31	3.71	2.56	-0.40	LC 1-5	
			Max N	62.16	-1.56	2.66	1.35	5.01	0.97	LC 1-5	
			Min N	17.56	0.69	27.10	0.57	1.33	0.67	LC 1-4	
			Max V _y	25.70	1.37	22.03	0.84	1.86	0.40	LC 1-4	

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
171	RC6			Min V _y	54.01	▷ -2.23	7.74	1.08	4.47	1.24	LC 1-5
				Max V _z	18.25	▷ 0.57	27.49	0.65	1.21	0.77	LC 1-4
				Min V _z	61.46	▷ -1.44	2.28	1.27	5.13	0.86	LC 1-5
				Max M _T	47.69	▷ -0.53	12.34	▷ 1.81	2.95	1.14	LC 1-5
				Min M _T	32.02	▷ -0.34	17.42	▷ 0.11	3.39	0.50	LC 1-4
				Max M _y	60.37	▷ -1.61	2.75	▷ 1.09	5.23	0.86	LC 1-5
				Min M _y	19.34	▷ 0.75	27.01	▷ 0.83	1.11	0.78	LC 1-4
				Max M _z	45.47	▷ -1.94	13.53	▷ 1.12	3.44	1.38	LC 1-5
				Min M _z	34.24	▷ 1.08	16.23	▷ 0.80	2.89	0.26	LC 1-4
				Max N	76.36	▷ -1.65	-26.78	▷ -0.79	67.91	-1.86	CO 4
				Min N	56.95	▷ -0.93	-23.67	▷ -1.23	59.25	-1.19	CO 13
				Max V _y	58.31	▷ -0.30	-22.77	▷ -1.16	59.94	-1.34	CO 12
172	RC1	114	0.000	Min V _y	74.99	▷ -2.28	-27.67	▷ -0.85	67.23	-1.71	CO 1
				Max V _z	58.31	▷ -0.30	-22.77	▷ -1.16	59.94	-1.34	CO 12
				Min V _z	74.99	▷ -2.28	-27.67	▷ -0.85	67.23	-1.71	CO 1
				Max M _T	76.36	▷ -1.65	-26.78	▷ -0.79	67.91	-1.86	CO 4
				Min M _T	56.95	▷ -0.93	-23.67	▷ -1.23	59.25	-1.19	CO 13
				Max M _y	75.69	▷ -1.50	-26.76	▷ -0.79	67.92	-1.88	CO 6
				Min M _y	56.95	▷ -0.93	-23.67	▷ -1.23	59.25	-1.19	CO 13
				Max M _z	56.95	▷ -0.93	-23.67	▷ -1.23	59.25	-1.19	CO 13
				Min M _z	75.69	▷ -1.50	-26.76	▷ -0.79	67.92	-1.88	CO 6
		111	0.928	Max N	47.75	▷ 6.03	-52.46	▷ 1.58	32.62	-2.01	CO 4
				Min N	29.24	▷ 3.42	-48.49	▷ 0.98	26.88	-0.95	CO 13
				Max V _y	46.26	▷ 6.90	-53.39	▷ 1.56	31.17	-2.00	CO 5
				Min V _y	30.01	▷ 2.81	-47.55	▷ 0.99	28.36	-1.03	CO 14
				Max V _z	31.11	▷ 3.20	-47.51	▷ 1.03	28.43	-1.19	CO 12
				Min V _z	45.88	▷ 6.25	-53.44	▷ 1.53	31.07	-1.77	CO 1
				Max M _T	47.75	▷ 6.03	-52.46	▷ 1.58	32.62	-2.01	CO 4
				Min M _T	29.24	▷ 3.42	-48.49	▷ 0.98	26.88	-0.95	CO 13
				Max M _y	47.03	▷ 6.28	-52.45	▷ 1.57	32.65	-2.07	CO 6
				Min M _y	29.24	▷ 3.42	-48.49	▷ 0.98	26.88	-0.95	CO 13
				Max M _z	29.24	▷ 3.42	-48.49	▷ 0.98	26.88	-0.95	CO 13
				Min M _z	47.03	▷ 6.28	-52.45	▷ 1.57	32.65	-2.07	CO 6
	RC2	114	0.000	Max N	56.65	▷ -1.38	-19.79	▷ -0.61	49.96	-1.33	CO 18
				Min N	42.30	▷ -0.82	-17.42	▷ -0.93	43.59	-0.84	CO 27
				Max V _y	43.28	▷ -0.38	-16.82	▷ -0.88	44.05	-0.95	CO 26
				Min V _y	55.67	▷ -1.82	-20.39	▷ -0.65	49.50	-1.22	CO 15
				Max V _z	43.28	▷ -0.38	-16.82	▷ -0.88	44.05	-0.95	CO 26
				Min V _z	55.67	▷ -1.82	-20.39	▷ -0.65	49.50	-1.22	CO 15
				Max M _T	56.65	▷ -1.38	-19.79	▷ -0.61	49.96	-1.33	CO 18
				Min M _T	42.30	▷ -0.82	-17.42	▷ -0.93	43.59	-0.84	CO 27
				Max M _y	56.16	▷ -1.27	-19.77	▷ -0.61	49.97	-1.34	CO 20
				Min M _y	42.30	▷ -0.82	-17.42	▷ -0.93	43.59	-0.84	CO 27
				Max M _z	42.30	▷ -0.82	-17.42	▷ -0.93	43.59	-0.84	CO 27
				Min M _z	56.16	▷ -1.27	-19.77	▷ -0.61	49.97	-1.34	CO 20
		111	0.928	Max N	35.55	▷ 4.12	-38.78	▷ 1.13	23.86	-1.38	CO 18
				Min N	21.90	▷ 2.14	-35.76	▷ 0.69	19.72	-0.60	CO 27
				Max V _y	34.51	▷ 4.71	-39.40	▷ 1.12	22.90	-1.37	CO 19
				Min V _y	22.41	▷ 1.73	-35.14	▷ 0.70	20.70	-0.65	CO 28
				Max V _z	23.23	▷ 2.02	-35.11	▷ 0.73	20.76	-0.77	CO 26
				Min V _z	34.22	▷ 4.24	-39.43	▷ 1.09	22.82	-1.20	CO 15
				Max M _T	35.55	▷ 4.12	-38.78	▷ 1.13	23.86	-1.38	CO 18
				Min M _T	21.90	▷ 2.14	-35.76	▷ 0.69	19.72	-0.60	CO 27
				Max M _y	35.02	▷ 4.31	-38.77	▷ 1.13	23.88	-1.42	CO 20
				Min M _y	21.90	▷ 2.14	-35.76	▷ 0.69	19.72	-0.60	CO 27
				Max M _z	21.90	▷ 2.14	-35.76	▷ 0.69	19.72	-0.60	CO 27
				Min M _z	35.02	▷ 4.31	-38.77	▷ 1.13	23.88	-1.42	CO 20
	RC6	114	0.000	Max N	100.84	▷ -4.49	-0.47	▷ -0.98	64.05	0.65	LC 1-4
				Min N	11.12	▷ 0.13	-37.33	▷ -0.64	28.79	-2.61	LC 1-5
				Max V _y	34.33	▷ 7.44	-20.80	▷ -1.67	40.64	-4.89	LC 1-5
				Min V _y	77.64	▷ -11.79	-17.00	▷ 0.05	52.20	2.93	LC 1-4
				Max V _z	96.02	▷ -2.76	0.57	▷ -1.19	63.46	0.13	LC 1-5
				Min V _z	15.95	▷ -1.59	-38.38	▷ -0.43	29.38	-2.10	LC 1-4
				Max M _T	68.90	▷ -9.21	-20.62	▷ 0.43	49.52	2.43	LC 1-5
				Min M _T	43.07	▷ 4.86	-17.18	▷ -2.05	43.32	-4.40	LC 1-4
				Max M _y	100.57	▷ -4.26	-0.10	▷ -1.02	64.15	0.59	LC 1-4
				Min M _y	11.40	▷ -0.10	-37.70	▷ -0.60	28.69	-2.55	LC 1-5
				Max M _z	83.66	▷ -11.24	-13.87	▷ 0.09	54.93	3.17	LC 1-4
				Min M _z	28.31	▷ 6.88	-23.93	▷ -1.70	37.91	-5.14	LC 1-5
		111	0.928	Max N	103.18	▷ -5.23	-17.57	▷ 0.39	55.80	4.54	LC 1-4
				Min N	-31.48	▷ 8.53	-57.64	▷ 1.20	-13.57	-5.70	LC 1-5
				Max V _y	-0.47	▷ 21.48	-41.24	▷ -1.35	10.23	-9.49	LC 1-5
				Min V _y	72.17	▷ -18.18	-33.97	▷ 2.93	32.00	8.33	LC 1-4
				Max V _z	98.11	▷ -1.35	-16.85	▷ 0.04	55.83	3.02	LC 1-5
				Min V _z	-26.41	▷ 4.65	-58.36	▷ 1.55	-13.60	-4.18	LC 1-4
				Max M _T	49.05	▷ -15.41	-40.32	▷ 3.32	21.27	6.89	LC 1-5
				Min M _T	22.65	▷ 18.70	-34.89	▷ -1.73	20.96	-8.05	LC 1-4
				Max M _y	100.30	▷ -3.02	-17.05	▷ 0.27	56.20	3.78	LC 1-5
				Min M _y	-28.60	▷ 6.31	-58.17	▷ 1.32	-13.96	-4.94	LC 1-4
				Max M _z	81.19	▷ -17.61	-30.55	▷ 2.78	37.67	8.67	LC 1-4
				Min M _z	-9.49	▷ 20.90	-44.66	▷ -1.19	4.56	-9.83	LC 1-5
183	RC1	112	0.000	Max N	28.40	▷ 19.42	16.04	▷ 0.69	17.03	-18.78	CO 6
				Min N	13.43	▷ 12.16	9.54	▷ -1.63	13.10	-14.59	CO 13
				Max V _y	27.65	▷ 20.35	16.61	▷ 0.98	16.23	-17.89	CO 8
				Min V _y	14.02	▷ 11.12	8.99	▷ -1.95	13.76	-15.33	CO 9
				Max V _z	27.50	▷ 20.25	16.63	▷ 0.95	16.08	-17.73	CO 2
				Min V _z	14.17	▷ 11.22	8.97	▷ -1.92	13.90	-15.49	CO 11
				Max M _T	27.65	▷ 20.35	16.61	▷ 0.98	16.23	-17.89	CO 8
				Min M _T	14.02	▷ 11.12	8.99	▷ -1.95	13.76	-15.33	CO 9
				Max M _y	21.32	▷ 18.80	15.63	▷ 0.67	17.17	-18.84	CO 5
				Min M _y	20.50	▷ 12.78	9.95	▷ -1.60	12.96	-14.54	CO 14
				Max M _z	20.50	▷ 12.78	9.95	▷ -1.60	12.96	-14.54	CO 14

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases			
					N	V _y	V _z	M _T	M _y	M _z				
183	RC1	122	1.007	Min M _z	21.32	18.80	15.63	0.67	17.17	-18.84	CO 5			
				Max N	29.97	4.30	5.94	-1.86	29.99	-29.57	CO 6			
				Min N	12.60	-2.11	-0.40	-3.50	20.19	-19.95	CO 9			
				Max V _y	29.63	5.23	6.50	-1.57	29.56	-29.08	CO 2			
				Min V _y	12.85	-2.17	-0.44	-3.48	20.28	-20.07	CO 11			
				Max V _z	29.63	5.23	6.50	-1.57	29.56	-29.08	CO 2			
				Min V _z	12.85	-2.17	-0.44	-3.48	20.28	-20.07	CO 11			
				Max M _T	29.88	5.16	6.46	-1.55	29.65	-29.20	CO 8			
				Min M _T	12.60	-2.11	-0.40	-3.50	20.19	-19.95	CO 9			
				Max M _y	29.97	4.30	5.94	-1.86	29.99	-29.57	CO 6			
				Min M _y	12.76	-1.31	0.09	-3.18	19.94	-19.70	CO 13			
				Max M _z	12.76	-1.31	0.09	-3.18	19.94	-19.70	CO 13			
				RC2	112	0.000	Min M _z	29.97	4.30	5.94	-1.86	29.99	-29.57	CO 6
	Max N	20.00	14.19				11.76	0.46	12.18	-13.42	CO 20			
	Min N	9.43	8.85				6.98	-1.26	9.25	-10.31	CO 27			
	Max V _y	19.45	14.88				12.18	0.67	11.58	-12.76	CO 22			
	Min V _y	9.87	8.08				6.56	-1.49	9.74	-10.85	CO 23			
	Max V _z	19.34	14.80				12.20	0.65	11.47	-12.64	CO 16			
	Min V _z	9.98	8.16				6.55	-1.47	9.85	-10.97	CO 25			
	Max M _T	19.45	14.88				12.18	0.67	11.58	-12.76	CO 22			
	Min M _T	9.87	8.08				6.56	-1.49	9.74	-10.85	CO 23			
	Max M _y	15.28	13.77				11.49	0.44	12.27	-13.45	CO 19			
	Min M _y	14.15	9.27				7.25	-1.24	9.16	-10.27	CO 28			
	Max M _z	14.15	9.27				7.25	-1.24	9.16	-10.27	CO 28			
	122	1.007	Min M _z		15.28	13.77	11.49	0.44	12.27	-13.45	CO 19			
			Max N		21.08	3.12	4.30	-1.38	21.67	-21.32	CO 20			
			Min N		8.77	-1.56	-0.37	-2.60	14.43	-14.22	CO 23			
			Max V _y		20.82	3.81	4.71	-1.17	21.36	-20.95	CO 16			
			Min V _y		8.95	-1.61	-0.40	-2.58	14.50	-14.31	CO 25			
			Max V _z		20.82	3.81	4.71	-1.17	21.36	-20.95	CO 16			
			Min V _z		8.95	-1.61	-0.40	-2.58	14.50	-14.31	CO 25			
			Max M _T		21.01	3.76	4.68	-1.16	21.42	-21.04	CO 22			
			Min M _T		8.77	-1.56	-0.37	-2.60	14.43	-14.22	CO 23			
			Max M _y		21.08	3.12	4.30	-1.38	21.67	-21.32	CO 20			
			Min M _y		8.89	-0.97	-0.01	-2.35	14.24	-14.03	CO 27			
			Max M _z		8.89	-0.97	-0.01	-2.35	14.24	-14.03	CO 27			
			Min M _z		21.08	3.12	4.30	-1.38	21.67	-21.32	CO 20			
			Max N		34.34	28.16	23.01	5.92	4.31	-7.56	LC 1-5			
			Min N		-12.20	-3.71	-2.08	-6.03	13.08	-11.38	LC 1-4			
			Max V _y		31.92	29.65	24.44	6.41	2.64	-5.94	LC 1-4			
			Min V _y		-9.77	-5.21	-3.50	-6.52	14.75	-13.00	LC 1-5			
			Max V _z		31.71	29.61	24.47	6.40	2.62	-5.91	LC 1-4			
			Min V _z		-9.56	-5.16	-3.54	-6.51	14.77	-13.03	LC 1-5			
			RC6		112	0.000	Max M _T	32.22	29.60	24.42	6.43	2.72	-6.02	LC 1-4
	Min M _T	-10.08		-5.16			-3.49	-6.54	14.67	-12.92	LC 1-5			
	Max M _y	-4.79		-4.17			-2.77	-5.95	15.04	-13.42	LC 1-5			
	Min M _y	26.93		28.62			23.71	5.84	2.36	-5.52	LC 1-4			
	Max M _z	23.65		27.38			22.80	5.30	2.47	-5.44	LC 1-4			
	Min M _z	-1.50		-2.94			-1.87	-5.41	14.93	-13.50	LC 1-5			
	Max N	52.42		24.89			17.04	4.85	24.18	-25.31	LC 1-5			
	Min N	-29.90		-20.46			-10.68	-7.88	9.97	-7.41	LC 1-4			
	Max V _y	49.56		26.60			17.62	4.89	23.34	-24.29	LC 1-4			
	Min V _y	-27.05		-22.17			-11.27	-7.93	10.81	-8.42	LC 1-5			
	Max V _z	50.87		26.33			17.80	5.06	23.61	-24.64	LC 1-4			
	Min V _z	-28.35		-21.90			-11.45	-8.10	10.54	-8.07	LC 1-5			
	122	1.007		Max M _T	51.20	26.04	17.67	5.13	23.69	-24.70	LC 1-4			
				Min M _T	-28.68	-21.61	-11.32	-8.17	10.46	-8.01	LC 1-5			
				Max M _y	51.75	25.12	17.23	4.95	24.29	-25.44	LC 1-5			
				Min M _y	-29.23	-20.69	-10.87	-7.98	9.86	-7.28	LC 1-4			
				Max M _z	-29.26	-20.63	-10.88	-7.96	9.87	-7.27	LC 1-4			
				Min M _z	51.78	25.06	17.24	4.93	24.29	-25.44	LC 1-5			
Max N				30.40	-1.37	-3.43	-3.68	29.96	-29.66	CO 6				
Min N				12.90	-3.86	-3.43	-4.12	20.17	-20.02	CO 9				
Max V _y				30.06	-0.44	-2.87	-3.39	29.53	-29.17	CO 2				
Min V _y				13.15	-3.92	-3.47	-4.10	20.26	-20.14	CO 11				
Max V _z				20.60	-2.25	-2.56	-3.72	20.16	-20.14	CO 14				
Min V _z				22.85	-2.17	-3.82	-3.76	29.72	-29.29	CO 5				
Max M _T				30.30	-0.50	-2.91	-3.38	29.62	-29.29	CO 8				
Min M _T				12.90	-3.86	-3.43	-4.12	20.17	-20.02	CO 9				
Max M _y				30.40	-1.37	-3.43	-3.68	29.96	-29.66	CO 6				
Min M _y				13.05	-3.06	-2.95	-3.79	19.92	-19.76	CO 13				
Max M _z				13.05	-3.06	-2.95	-3.79	19.92	-19.76	CO 13				
186				RC1	122	0.000	Min M _z	30.40	-1.37	-3.43	-3.68	29.96	-29.66	CO 6
							Max N	12.90	-3.86	-3.43	-4.12	20.17	-20.02	CO 9
							Max V _y	30.06	-0.44	-2.87	-3.39	29.53	-29.17	CO 2
	Min V _y	13.15	-3.92				-3.47	-4.10	20.26	-20.14	CO 11			
	Max V _z	20.60	-2.25				-2.56	-3.72	20.16	-20.14	CO 14			
	Min V _z	22.85	-2.17				-3.82	-3.76	29.72	-29.29	CO 5			
	Max M _T	30.30	-0.50				-2.91	-3.38	29.62	-29.29	CO 8			
	Min M _T	12.90	-3.86				-3.43	-4.12	20.17	-20.02	CO 9			
	Max M _y	30.40	-1.37				-3.43	-3.68	29.96	-29.66	CO 6			
	Min M _y	13.05	-3.06				-2.95	-3.79	19.92	-19.76	CO 13			
	Max M _z	13.05	-3.06				-2.95	-3.79	19.92	-19.76	CO 13			
	Min M _z	30.40	-1.37				-3.43	-3.68	29.96	-29.66	CO 6			
	125	1.007	Max N		20.80	-24.81	-13.24	-5.93	23.11	-22.02	CO 8			
			Min N		2.62	-23.66	-13.66	-5.28	13.15	-12.12	CO 9			
			Max V _y		11.58	-22.08	-12.81	-4.90	13.87	-13.11	CO 14			
			Min V _y		12.03	-26.51	-14.14	-6.29	22.42	-21.10	CO 5			
			Max V _z		11.58	-22.08	-12.81	-4.90	13.87	-13.11	CO 14			
			Min V _z		12.03	-26.51	-14.14	-6.29	22.42	-21.10	CO 5			
			Max M _T		11.58	-22.08	-12.81	-4.90	13.87	-13.11	CO 14			
			Min M _T		11.84	-26.39	-14.09	-6.31	22.39	-21.03	CO 3			
			Max M _y		20.80	-24.81	-13.24	-5.93	23.11	-22.02	CO 8			
			Min M _y		2.62	-23.66	-13.66	-5.28	13.15	-12.12	CO 9			
			Max M _z		2.62	-23.66	-13.66	-5.28	13.15	-12.12	CO 9			
			RC2		122	0.000	Min M _z	20.80	-24.81	-13.24	-5.93	23.11	-22.02	CO 8
	Max N	21.38		-0.94			-2.44	-2.70	21.65	-21.38	CO 20			
	Min N	8.99		-2.73			-2.42	-3.01	14.42	-14.27	CO 23			
	Max V _y	21.13		-0.25			-2.02	-2.48	21.33	-21.02	CO 16			
	Min V _y	9.17		-2.78			-2.45	-3.00	14.48	-14.36	CO 25			
	Max V _z	14.13		-1.60			-1.79	-2.72	14.39	-14.33	CO 28			
	Min V _z	16.36		-1.48			-2.71	-2.75	21.49	-21.13	CO 19			
	Max M _T	21.32	-0.30	-2.05	-2.47	21.40	-21.11	CO 22						

Date: 2/3/2021

Project:

Model: XWROS POLITISMOY SKLIBANH

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases					
				N	V _y	V _z	M _T	M _y	M _z						
186	RC2	125	1.007	Min M _T	8.99	-2.73	-2.42	▷	-3.01	14.42	-14.27	CO 23			
				Max M _y	21.38	-0.94	-2.44	▷	-2.70	21.65	-21.38	CO 20			
				Min M _y	9.10	-2.14	-2.06	▷	-2.77	14.23	-14.08	CO 27			
				Max M _z	9.10	-2.14	-2.06	▷	-2.77	14.23	-14.08	CO 27			
				Min M _z	21.38	-0.94	-2.44	▷	-2.70	21.65	-21.38	CO 20			
				Max N	14.38	-18.16	-9.70	▷	-4.31	16.66	-15.81	CO 22			
				Min N	1.52	-17.24	-9.99	▷	-3.82	9.32	-8.54	CO 23			
				Max V _y	7.55	-16.14	-9.39	▷	-3.55	9.81	-9.21	CO 28			
				Min V _y	8.49	-19.35	-10.34	▷	-4.58	16.20	-15.19	CO 19			
				Max V _z	7.55	-16.14	-9.39	▷	-3.55	9.81	-9.21	CO 28			
				Min V _z	8.49	-19.35	-10.34	▷	-4.58	16.20	-15.19	CO 19			
				Max M _T	7.55	-16.14	-9.39	▷	-3.55	9.81	-9.21	CO 28			
				Min M _T	8.36	-19.26	-10.30	▷	-4.58	16.17	-15.14	CO 17			
				Max M _y	14.38	-18.16	-9.70	▷	-4.31	16.66	-15.81	CO 22			
				Min M _y	1.52	-17.24	-9.99	▷	-3.82	9.32	-8.54	CO 23			
				Max M _z	1.52	-17.24	-9.99	▷	-3.82	9.32	-8.54	CO 23			
				Min M _z	14.38	-18.16	-9.70	▷	-4.31	16.66	-15.81	CO 22			
				Max N	53.42	22.01	12.10	▷	3.92	24.25	-25.80	LC 1-5			
				Min N	-30.36	-23.31	-15.58	▷	-8.89	9.86	-7.03	LC 1-4			
				Max V _y	50.90	23.57	12.91	▷	4.15	23.49	-24.93	LC 1-4			
				Min V _y	-27.84	-24.87	-16.40	▷	-9.12	10.62	-7.91	LC 1-5			
				Max V _z	51.28	23.43	13.00	▷	4.19	23.56	-24.98	LC 1-4			
				Min V _z	-28.22	-24.73	-16.48	▷	-9.16	10.55	-7.86	LC 1-5			
				Max M _T	51.94	23.31	12.89	▷	4.24	23.73	-25.19	LC 1-4			
	Min M _T	-28.88	-24.61	-16.37	▷	-9.21	10.39	-7.65	LC 1-5						
	Max M _y	52.72	22.28	12.25	▷	4.03	24.37	-25.95	LC 1-5						
	Min M _y	-29.67	-23.58	-15.74	▷	-9.00	9.75	-6.89	LC 1-4						
	Max M _z	-29.67	-23.63	-15.72	▷	-9.00	9.75	-6.88	LC 1-4						
	Min M _z	52.73	22.33	12.23	▷	4.03	24.36	-25.96	LC 1-5						
	RC6	122	0.000	Max N	66.60	7.14	5.82	▷	2.17	32.52	-33.87	LC 1-4			
				Min N	-56.90	-41.23	-24.53	▷	-9.82	-7.34	11.14	LC 1-5			
				Max V _y	63.64	8.04	5.75	▷	1.79	31.96	-33.32	LC 1-4			
				Min V _y	-53.94	-42.13	-24.47	▷	-9.44	-6.79	10.59	LC 1-5			
				Max V _z	65.75	7.67	6.02	▷	2.14	32.65	-34.04	LC 1-4			
				Min V _z	-56.05	-41.76	-24.73	▷	-9.80	-7.48	11.31	LC 1-5			
				Max M _T	65.70	6.93	5.80	▷	2.26	32.63	-33.95	LC 1-4			
				Min M _T	-56.00	-41.02	-24.52	▷	-9.91	-7.45	11.22	LC 1-5			
				Max M _y	65.93	6.61	5.53	▷	2.04	32.92	-34.37	LC 1-5			
				Min M _y	-56.23	-40.70	-24.25	▷	-9.69	-7.75	11.63	LC 1-4			
				Max M _z	-56.25	-40.75	-24.27	▷	-9.68	-7.74	11.64	LC 1-4			
				Min M _z	65.95	6.66	5.55	▷	2.03	32.92	-34.37	LC 1-5			
		125	1.007	Max N	20.47	-30.42	-22.63	▷	-7.76	23.15	-21.95	CO 8			
				Min N	2.38	-25.39	-16.76	▷	-5.91	13.17	-12.07	CO 9			
				Max V _y	11.34	-23.81	-15.90	▷	-5.53	13.89	-13.06	CO 14			
				Min V _y	11.69	-32.12	-23.54	▷	-8.13	22.47	-21.03	CO 5			
				Max V _z	11.34	-23.81	-15.90	▷	-5.53	13.89	-13.06	CO 14			
				Min V _z	11.69	-32.12	-23.54	▷	-8.13	22.47	-21.03	CO 5			
				Max M _T	11.34	-23.81	-15.90	▷	-5.53	13.89	-13.06	CO 14			
Min M _T				11.51	-32.00	-23.49	▷	-8.14	22.43	-20.97	CO 3				
Max M _y				20.47	-30.42	-22.63	▷	-7.76	23.15	-21.95	CO 8				
Min M _y				2.38	-25.39	-16.76	▷	-5.91	13.17	-12.07	CO 9				
Max M _z				2.38	-25.39	-16.76	▷	-5.91	13.17	-12.07	CO 9				
Min M _z				20.47	-30.42	-22.63	▷	-7.76	23.15	-21.95	CO 8				
189	RC1	125	0.000	Max N	-1.60	-46.81	-34.09	▷	-8.37	-3.69	5.08	CO 8			
				Min N	-16.84	-38.42	-27.17	▷	-5.57	-7.72	9.46	CO 9			
				Max V _y	-7.07	-37.36	-26.30	▷	-5.35	-6.22	7.53	CO 14			
				Min V _y	-11.34	-48.05	-35.01	▷	-8.59	-5.21	7.00	CO 5			
				Max V _z	-7.07	-37.36	-26.30	▷	-5.35	-6.22	7.53	CO 14			
				Min V _z	-11.34	-48.05	-35.01	▷	-8.59	-5.21	7.00	CO 5			
				Max M _T	-15.97	-38.12	-26.70	▷	-5.31	-7.17	8.89	CO 13			
				Min M _T	-2.48	-47.11	-34.56	▷	-8.63	-4.25	5.65	CO 4			
				Max M _y	-1.64	-46.63	-34.04	▷	-8.38	-3.68	5.09	CO 2			
				Min M _y	-16.81	-38.60	-27.22	▷	-5.57	-7.74	9.45	CO 11			
				Max M _z	-16.84	-38.42	-27.17	▷	-5.57	-7.72	9.46	CO 9			
				Min M _z	-1.60	-46.81	-34.09	▷	-8.37	-3.69	5.08	CO 8			
				RC2	125	0.000	Max N	14.14	-22.18	-16.46	▷	-5.63	16.69	-15.76	CO 22
							Min N	1.35	-18.39	-12.08	▷	-4.25	9.34	-8.50	CO 23
							Max V _y	7.38	-17.28	-11.48	▷	-3.98	9.83	-9.17	CO 28
							Min V _y	8.25	-23.37	-17.10	▷	-5.90	16.23	-15.14	CO 19
							Max V _z	7.38	-17.28	-11.48	▷	-3.98	9.83	-9.17	CO 28
							Min V _z	8.25	-23.37	-17.10	▷	-5.90	16.23	-15.14	CO 19
							Max M _T	7.38	-17.28	-11.48	▷	-3.98	9.83	-9.17	CO 28
							Min M _T	8.11	-23.28	-17.07	▷	-5.90	16.20	-15.09	CO 17
							Max M _y	14.14	-22.18	-16.46	▷	-5.63	16.69	-15.76	CO 22
							Min M _y	1.35	-18.39	-12.08	▷	-4.25	9.34	-8.50	CO 23
							Max M _z	1.35	-18.39	-12.08	▷	-4.25	9.34	-8.50	CO 23
							Min M _z	14.14	-22.18	-16.46	▷	-5.63	16.69	-15.76	CO 22
	RC6	125	0.000	Max N	-1.93	-34.19	-24.92	▷	-6.05	-2.91	4.00	CO 22			
				Min N	-12.56	-27.91	-19.76	▷	-3.97	-5.82	7.14	CO 23			
				Max V _y	-5.97	-27.19	-19.15	▷	-3.80	-4.78	5.82	CO 28			
				Min V _y	-8.48	-35.04	-25.57	▷	-6.21	-3.96	5.32	CO 19			
				Max V _z	-5.97	-27.19	-19.15	▷	-3.80	-4.78	5.82	CO 28			
				Min V _z	-8.48	-35.04	-25.57	▷	-6.21	-3.96	5.32	CO 19			
				Max M _T	-11.91	-27.69	-19.41	▷	-3.78	-5.41	6.72	CO 27			
				Min M _T	-2.57	-34.41	-25.26	▷	-6.24	-3.32	4.42	CO 18			
				Max M _y	-1.95	-34.05	-24.88	▷	-6.05	-2.90	4.01	CO 16			
				Min M _y	-12.53	-28.04	-19.80	▷	-3.97	-5.83	7.13	CO 25			
				Max M _z	-12.56	-27.91	-19.76	▷	-3.97	-5.82	7.14	CO 23			
				Min M _z	-1.93	-34.19	-24.92	▷	-6.05	-2.91	4.00	CO 22			



4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
189	RC6	128	1.007	Min V _y	-55.36	▷ -44.79	-29.78	-10.72	-6.95	11.24	LC 1-5
				Max V _z	65.80	▷ 4.91	1.27	1.26	32.60	-34.32	LC 1-4
				Min V _z	-56.53	▷ -44.65	-29.88	-10.87	-7.37	11.68	LC 1-5
				Max M _T	66.26	▷ 4.37	1.08	1.36	32.76	-34.44	LC 1-4
				Min M _T	-56.98	▷ -44.11	-29.69	-10.97	-7.53	11.80	LC 1-5
				Max M _y	66.54	▷ 3.72	0.69	▷ 33.04	▷ 33.04	-34.81	LC 1-5
				Min M _y	-57.27	▷ -43.46	-29.30	-10.76	-7.81	12.17	LC 1-4
				Max M _z	-57.28	▷ -43.52	-29.32	-10.75	-7.80	12.17	LC 1-4
				Min M _z	66.55	▷ 3.78	0.71	1.14	33.04	-34.82	LC 1-5
				Max N	▷ 69.59	▷ -10.38	-5.86	-0.37	30.02	-29.37	LC 1-4
				Min N	▷ -88.17	▷ -50.37	-39.04	-9.42	-39.94	42.49	LC 1-5
				Max V _y	▷ 68.82	▷ -10.20	-5.74	-0.54	30.09	-29.57	LC 1-4
				Min V _y	▷ -87.40	▷ -50.55	-39.16	-9.25	-40.01	42.69	LC 1-5
				Max V _z	▷ 68.58	▷ -10.31	-5.66	-0.51	30.33	-29.80	LC 1-4
				Min V _z	▷ -87.16	▷ -50.44	-39.25	-9.29	-40.25	42.92	LC 1-5
				Max M _T	▷ 66.48	▷ -11.17	-6.46	-0.12	29.07	-28.12	LC 1-4
				Min M _T	▷ -85.06	▷ -49.58	-38.45	-9.68	-38.99	41.24	LC 1-5
				Max M _y	▷ 68.71	▷ -10.38	-5.69	-0.39	30.41	-29.79	LC 1-4
				Min M _y	▷ -87.29	▷ -50.37	-39.21	-9.41	-40.33	42.91	LC 1-5
				Max M _z	▷ -87.18	▷ -50.41	-39.24	-9.31	-40.30	42.94	LC 1-5
				Min M _z	▷ 68.60	▷ -10.34	-5.67	-0.48	30.38	-29.82	LC 1-4
192	RC1	128	0.000	Max N	▷ -2.46	▷ -52.20	-43.56	-10.27	-3.56	5.42	CO 8
				Min N	▷ -17.72	▷ -40.18	-30.59	-6.34	-7.60	9.76	CO 9
				Max V _y	▷ -7.90	▷ -39.10	-29.70	-6.11	-6.11	7.81	CO 14
				Min V _y	▷ -12.24	▷ -53.46	-44.50	-10.50	-5.07	7.35	CO 5
				Max V _z	▷ -7.90	▷ -39.10	-29.70	-6.11	-6.11	7.81	CO 14
				Min V _z	▷ -12.24	▷ -53.46	-44.50	-10.50	-5.07	7.35	CO 5
				Max M _T	▷ -16.83	▷ -39.88	-30.12	-6.08	-7.05	9.18	CO 13
				Min M _T	▷ -3.35	▷ -52.51	-44.03	-10.53	-4.11	5.99	CO 4
				Max M _y	▷ -2.50	▷ -52.02	-43.50	-10.28	-3.55	5.43	CO 2
				Min M _y	▷ -17.68	▷ -40.36	-30.64	-6.34	-7.61	9.74	CO 11
				Max M _z	▷ -17.72	▷ -40.18	-30.59	-6.34	-7.60	9.76	CO 9
				Min M _z	▷ -2.46	▷ -52.20	-43.56	-10.27	-3.56	5.42	CO 8
		76	1.007	Max N	▷ -30.40	▷ 3.31	-38.00	4.50	-37.38	11.17	CO 14
				Min N	▷ -42.20	▷ 6.66	-53.84	3.46	-50.92	14.94	CO 5
				Max V _y	▷ -41.97	▷ 6.98	-53.79	3.48	-50.86	14.89	CO 3
				Min V _y	▷ -30.40	▷ 3.31	-38.00	4.50	-37.38	11.17	CO 14
				Max V _z	▷ -30.40	▷ 3.31	-38.00	4.50	-37.38	11.17	CO 14
				Min V _z	▷ -42.20	▷ 6.66	-53.84	3.46	-50.92	14.94	CO 5
				Max M _T	▷ -38.95	▷ 5.71	-38.54	5.12	-38.83	11.82	CO 13
				Min M _T	▷ -33.64	▷ 4.27	-53.29	2.86	-49.47	14.29	CO 6
				Max M _y	▷ -30.40	▷ 3.31	-38.00	4.50	-37.38	11.17	CO 14
				Min M _y	▷ -42.20	▷ 6.66	-53.84	3.46	-50.92	14.94	CO 5
				Max M _z	▷ -42.20	▷ 6.66	-53.84	3.46	-50.92	14.94	CO 5
				Min M _z	▷ -30.40	▷ 3.31	-38.00	4.50	-37.38	11.17	CO 14
	RC2	128	0.000	Max N	▷ -2.56	▷ -38.06	-31.74	-7.42	-2.81	4.25	CO 22
				Min N	▷ -13.21	▷ -29.10	-22.10	-4.50	-5.73	7.36	CO 23
				Max V _y	▷ -6.59	▷ -28.36	-21.48	-4.33	-4.70	6.02	CO 28
				Min V _y	▷ -9.15	▷ -38.93	-32.41	-7.59	-3.86	5.58	CO 19
				Max V _z	▷ -6.59	▷ -28.36	-21.48	-4.33	-4.70	6.02	CO 28
				Min V _z	▷ -9.15	▷ -38.93	-32.41	-7.59	-3.86	5.58	CO 19
				Max M _T	▷ -12.54	▷ -28.87	-21.76	-4.31	-5.33	6.94	CO 27
				Min M _T	▷ -3.22	▷ -38.29	-32.09	-7.61	-3.22	4.67	CO 18
				Max M _y	▷ -2.59	▷ -37.93	-31.70	-7.42	-2.80	4.26	CO 16
				Min M _y	▷ -13.18	▷ -29.23	-22.14	-4.50	-5.74	7.35	CO 25
				Max M _z	▷ -13.21	▷ -29.10	-22.10	-4.50	-5.73	7.36	CO 23
				Min M _z	▷ -2.56	▷ -38.06	-31.74	-7.42	-2.81	4.25	CO 22
		76	1.007	Max N	▷ -22.63	▷ 3.07	-27.60	3.51	-27.39	8.20	CO 28
				Min N	▷ -30.74	▷ 5.36	-39.29	2.69	-37.31	10.95	CO 19
				Max V _y	▷ -30.57	▷ 5.60	-39.25	2.70	-37.27	10.90	CO 17
				Min V _y	▷ -22.63	▷ 3.07	-27.60	3.51	-27.39	8.20	CO 28
				Max V _z	▷ -22.63	▷ 3.07	-27.60	3.51	-27.39	8.20	CO 28
				Min V _z	▷ -30.74	▷ 5.36	-39.29	2.69	-37.31	10.95	CO 19
				Max M _T	▷ -28.33	▷ 4.66	-27.96	3.92	-28.36	8.63	CO 27
				Min M _T	▷ -25.04	▷ 3.77	-38.92	2.28	-36.34	10.51	CO 20
				Max M _y	▷ -22.63	▷ 3.07	-27.60	3.51	-27.39	8.20	CO 28
				Min M _y	▷ -30.74	▷ 5.36	-39.29	2.69	-37.31	10.95	CO 19
				Max M _z	▷ -30.74	▷ 5.36	-39.29	2.69	-37.31	10.95	CO 19
				Min M _z	▷ -22.63	▷ 3.07	-27.60	3.51	-27.39	8.20	CO 28
	RC6	128	0.000	Max N	▷ 69.78	▷ -13.86	-11.08	-1.44	30.20	-29.74	LC 1-4
				Min N	▷ -89.72	▷ -52.54	-44.12	-10.48	-39.92	43.35	LC 1-5
				Max V _y	▷ 68.98	▷ -13.68	-10.87	-1.57	30.21	-29.93	LC 1-4
				Min V _y	▷ -88.91	▷ -52.71	-44.33	-10.35	-39.93	43.54	LC 1-5
				Max V _z	▷ 68.09	▷ -13.81	-10.76	-1.67	30.22	-30.02	LC 1-4
				Min V _z	▷ -88.03	▷ -52.59	-44.44	-10.25	-39.94	43.63	LC 1-5
				Max M _T	▷ 67.47	▷ -14.40	-11.56	-1.26	29.70	-28.96	LC 1-4
				Min M _T	▷ -87.41	▷ -52.00	-43.64	-10.66	-39.42	42.58	LC 1-5
				Max M _y	▷ 68.92	▷ -13.87	-10.91	-1.43	30.58	-30.14	LC 1-4
				Min M _y	▷ -88.86	▷ -52.53	-44.29	-10.49	-40.30	43.76	LC 1-5
				Max M _z	▷ -88.74	▷ -52.58	-44.37	-10.41	-40.26	43.80	LC 1-5
				Min M _z	▷ 68.81	▷ -13.81	-10.83	-1.51	30.54	-30.19	LC 1-4
		76	1.007	Max N	▷ 71.77	▷ 1.43	-17.55	4.79	17.95	-30.82	LC 1-4
				Min N	▷ -124.82	▷ 16.17	-50.80	2.59	-85.90	50.82	LC 1-5
				Max V _y	▷ -15.52	▷ 60.20	-38.46	15.89	-39.28	-6.32	LC 1-4
				Min V _y	▷ -37.53	▷ -42.61	-29.89	-8.51	-28.67	26.32	LC 1-5
				Max V _z	▷ 65.25	▷ -12.07	-16.71	1.62	18.45	-25.80	LC 1-4
				Min V _z	▷ -118.30	▷ 29.67	-51.64	5.76	-86.40	45.80	LC 1-5
				Max M _T	▷ -5.96	▷ 59.39	-36.77	16.03	-33.97	-10.53	LC 1-4
				Min M _T	▷ -47.10	▷ -41.80	-31.57	-8.65	-33.99	30.53	LC 1-5
				Max M _y	▷ 69.31	▷ -4.83	-16.91	3.44	19.16	-29.40	LC 1-4
				Min M _y	▷ -122.36	▷ 22.42	-51.43	3.94	-87.11	49.40	LC 1-5
				Max M _z	▷ -123.19	▷ 13.64	-50.46	1.92	-85.45	51.58	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
192	RC6			Min M _z	70.14	3.95	-17.88	5.46	17.49	-31.58	LC 1-4
194	RC1	121	0.000	Max N	83.13	1.74	-1.31	-0.87	6.49	0.78	CO 8
				Min N	63.79	0.58	-1.57	-0.85	5.36	0.61	CO 9
				Max V _y	82.33	1.75	-1.26	-0.89	6.47	0.78	CO 4
				Min V _y	64.60	0.57	-1.62	-0.83	5.38	0.60	CO 13
				Max V _z	71.15	0.59	-0.80	-0.91	5.47	0.61	CO 12
				Min V _z	75.78	1.73	-2.08	-0.80	6.38	0.78	CO 1
				Max M _T	75.89	1.72	-2.07	-0.79	6.38	0.78	CO 7
				Min M _T	71.04	0.59	-0.81	-0.93	5.47	0.61	CO 10
				Max M _y	83.02	1.74	-1.32	-0.88	6.49	0.78	CO 2
				Min M _y	63.90	0.58	-1.56	-0.84	5.36	0.61	CO 11
				Max M _z	82.44	1.75	-1.25	-0.88	6.47	0.78	CO 6
				Min M _z	64.60	0.57	-1.62	-0.83	5.38	0.60	CO 13
		130	0.705	Max N	70.21	-0.42	-7.67	-2.57	5.49	0.66	CO 8
				Min N	50.11	0.58	-8.14	-2.75	4.24	0.51	CO 9
				Max V _y	59.09	0.58	-7.35	-2.79	4.51	0.50	CO 10
				Min V _y	60.66	-0.43	-8.40	-2.54	5.20	0.67	CO 5
				Max V _z	59.25	0.58	-7.34	-2.78	4.51	0.50	CO 12
				Min V _z	61.07	-0.42	-8.47	-2.54	5.21	0.67	CO 1
				Max M _T	61.23	-0.43	-8.46	-2.53	5.21	0.67	CO 7
				Min M _T	59.09	0.58	-7.35	-2.79	4.51	0.50	CO 10
				Max M _y	70.05	-0.42	-7.68	-2.58	5.49	0.66	CO 2
				Min M _y	50.27	0.57	-8.13	-2.74	4.23	0.51	CO 11
				Max M _z	60.66	-0.43	-8.40	-2.54	5.20	0.67	CO 5
				Min M _z	59.09	0.58	-7.35	-2.79	4.51	0.50	CO 10
	RC2	121	0.000	Max N	60.56	1.25	-0.93	-0.65	4.76	0.58	CO 22
				Min N	46.77	0.40	-1.06	-0.64	3.93	0.45	CO 23
				Max V _y	59.96	1.26	-0.89	-0.66	4.74	0.58	CO 18
				Min V _y	47.37	0.39	-1.10	-0.63	3.95	0.45	CO 27
				Max V _z	51.69	0.41	-0.55	-0.68	4.00	0.45	CO 26
				Min V _z	55.64	1.24	-1.44	-0.61	4.68	0.57	CO 15
				Max M _T	55.73	1.24	-1.43	-0.60	4.68	0.58	CO 21
				Min M _T	51.61	0.41	-0.56	-0.69	4.00	0.45	CO 24
				Max M _y	60.48	1.25	-0.93	-0.66	4.76	0.58	CO 16
				Min M _y	46.85	0.40	-1.06	-0.63	3.93	0.45	CO 25
				Max M _z	60.04	1.26	-0.88	-0.66	4.74	0.58	CO 20
				Min M _z	47.37	0.39	-1.10	-0.63	3.95	0.45	CO 27
		130	0.705	Max N	51.05	-0.27	-5.65	-1.91	4.03	0.48	CO 22
				Min N	36.83	0.47	-5.94	-2.05	3.12	0.37	CO 23
				Max V _y	42.82	0.48	-5.41	-2.07	3.30	0.36	CO 24
				Min V _y	44.65	-0.27	-6.13	-1.90	3.83	0.49	CO 19
				Max V _z	42.93	0.47	-5.41	-2.07	3.30	0.36	CO 26
				Min V _z	44.95	-0.27	-6.18	-1.89	3.84	0.49	CO 15
				Max M _T	45.07	-0.27	-6.18	-1.89	3.84	0.49	CO 21
				Min M _T	42.82	0.48	-5.41	-2.07	3.30	0.36	CO 24
				Max M _y	50.94	-0.26	-5.66	-1.92	4.03	0.48	CO 16
				Min M _y	36.95	0.47	-5.93	-2.04	3.12	0.37	CO 25
				Max M _z	44.65	-0.27	-6.13	-1.90	3.83	0.49	CO 19
				Min M _z	42.82	0.48	-5.41	-2.07	3.30	0.36	CO 24
	RC6	121	0.000	Max N	58.09	0.89	-31.36	0.26	4.76	0.47	LC 1-5
				Min N	44.09	0.88	30.37	-1.58	3.82	0.62	LC 1-4
				Max V _y	52.81	1.24	10.28	-1.79	4.77	0.43	LC 1-5
				Min V _y	49.37	0.53	-11.28	0.46	3.80	0.66	LC 1-4
				Max V _z	45.72	1.00	35.30	-2.14	4.09	0.54	LC 1-5
				Min V _z	56.46	0.77	-36.30	0.81	4.48	0.55	LC 1-4
				Max M _T	51.14	0.65	-18.93	1.03	3.84	0.72	LC 1-5
				Min M _T	51.04	1.12	17.93	-2.36	4.74	0.37	LC 1-4
				Max M _y	56.13	1.12	-3.17	-1.48	5.05	0.36	LC 1-4
				Min M _y	46.05	0.64	2.17	0.15	3.53	0.73	LC 1-5
				Max M _z	47.73	0.70	-2.74	0.49	3.62	0.76	LC 1-5
				Min M _z	54.45	1.07	1.74	-1.82	4.95	0.33	LC 1-4
		130	0.705	Max N	124.78	-0.13	30.72	-3.35	9.89	0.34	LC 1-5
				Min N	-39.97	0.37	-41.36	-0.60	-2.60	0.53	LC 1-4
				Max V _y	-26.28	0.47	-35.51	-1.15	-1.14	0.37	LC 1-4
				Min V _y	111.08	-0.22	24.87	-2.81	8.43	0.51	LC 1-5
				Max V _z	124.70	-0.12	30.75	-3.35	9.88	0.35	LC 1-5
				Min V _z	-39.90	0.37	-41.39	-0.61	-2.59	0.53	LC 1-4
				Max M _T	-36.95	0.31	-40.08	-0.51	-2.54	0.58	LC 1-5
				Min M _T	121.75	-0.06	29.44	-3.45	9.84	0.30	LC 1-4
				Max M _y	124.06	-0.09	30.48	-3.42	9.94	0.32	LC 1-4
				Min M _y	-39.26	0.34	-41.12	-0.54	-2.65	0.55	LC 1-5
				Max M _z	16.35	-0.06	-16.25	-0.90	0.75	0.77	LC 1-5
				Min M _z	68.45	0.31	5.61	-3.05	6.55	0.10	LC 1-4
197	RC1	124	0.000	Max N	37.12	2.76	-16.73	-4.69	2.63	0.35	CO 8
				Min N	18.18	1.89	-15.16	-4.17	1.53	0.24	CO 9
				Max V _y	25.61	2.79	-17.52	-4.72	2.19	0.37	CO 3
				Min V _y	29.69	1.85	-14.38	-4.14	1.97	0.22	CO 14
				Max V _z	29.23	1.86	-14.32	-4.15	1.98	0.22	CO 12
				Min V _z	26.07	2.78	-17.57	-4.71	2.18	0.37	CO 1
				Max M _T	29.69	1.85	-14.38	-4.14	1.97	0.22	CO 14
				Min M _T	25.61	2.79	-17.52	-4.72	2.19	0.37	CO 3
				Max M _y	36.48	2.77	-16.67	-4.71	2.64	0.35	CO 4
				Min M _y	18.83	1.88	-15.22	-4.15	1.52	0.25	CO 13
				Max M _z	26.26	2.78	-17.57	-4.70	2.18	0.37	CO 7
				Min M _z	29.05	1.86	-14.32	-4.16	1.98	0.22	CO 10
		132	0.705	Max N	-7.22	1.71	-19.75	-4.77	-2.45	0.16	CO 8
				Min N	-22.80	2.68	-18.61	-4.54	-3.19	-0.01	CO 9
				Max V _y	-22.63	2.69	-18.61	-4.54	-3.18	-0.01	CO 11
				Min V _y	-7.39	1.70	-19.74	-4.78	-2.45	0.16	CO 2
				Max V _z	-9.72	2.47	-17.63	-4.46	-2.55	-0.01	CO 10
				Min V _z	-20.30	1.93	-20.72	-4.85	-3.09	0.16	CO 7
				Max M _T	-9.14	2.47	-17.70	-4.44	-2.58	-0.01	CO 14



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
197	RC1	124	0.000	Min M _T	-20.88	1.92	-20.65	▷ -4.87	-3.06	0.16	CO 3
				Max M _y	-7.64	1.72	-19.69	▷ -4.79	-2.41	0.16	CO 6
				Min M _y	-22.22	2.69	-18.67	▷ -4.52	-3.22	-0.00	CO 13
				Max M _z	-20.30	1.93	-20.72	▷ -4.85	-3.09	0.16	CO 7
				Min M _z	-9.72	2.47	-17.63	▷ -4.46	-2.55	-0.01	CO 10
				Max N	26.74	2.03	-12.26	▷ -3.47	1.93	0.25	CO 22
				Min N	13.52	1.38	-11.04	▷ -3.08	1.15	0.17	CO 23
				Max V _y	19.02	▷ 2.05	-12.78	▷ -3.49	1.64	0.27	CO 17
				Min V _y	21.24	▷ 1.35	-10.52	▷ -3.06	1.44	0.16	CO 28
				Max V _z	20.90	1.36	▷ -10.48	▷ -3.07	1.45	0.16	CO 26
				Min V _z	19.36	2.04	▷ -12.82	▷ -3.48	1.63	0.27	CO 15
				Max M _T	21.24	1.35	-10.52	▷ -3.06	1.44	0.16	CO 28
	RC2	124	0.000	Min M _T	19.02	2.05	-12.78	▷ -3.49	1.64	0.27	CO 17
				Max M _y	26.27	2.03	-12.22	▷ -3.48	1.94	0.25	CO 18
				Min M _y	14.00	1.37	-11.08	▷ -3.07	1.14	0.18	CO 27
				Max M _z	19.50	2.04	-12.82	▷ -3.47	1.63	0.27	CO 21
				Min M _z	20.76	1.36	-10.48	▷ -3.08	1.45	0.16	CO 24
		132	0.705	Max N	▷ -5.83	1.30	-14.51	▷ -3.53	-1.80	0.11	CO 22
				Min N	▷ -16.39	2.00	-13.59	▷ -3.36	-2.30	-0.02	CO 23
				Max V _y	▷ -16.27	2.01	-13.60	▷ -3.36	-2.30	-0.02	CO 25
				Min V _y	▷ -5.95	1.29	-14.51	▷ -3.54	-1.80	0.11	CO 16
				Max V _z	▷ -7.68	1.86	-12.94	▷ -3.30	-1.87	-0.02	CO 24
				Min V _z	▷ -14.55	1.44	▷ -15.16	▷ -3.59	-2.23	0.11	CO 21
				Max M _T	▷ -7.25	1.86	-13.00	▷ -3.29	-1.90	-0.01	CO 28
				Min M _T	▷ -14.98	1.44	-15.11	▷ -3.60	-2.20	0.11	CO 17
				Max M _y	▷ -6.14	1.31	-14.47	▷ -3.54	-1.77	0.11	CO 20
				Min M _y	▷ -15.96	2.01	-13.64	▷ -3.34	-2.32	-0.01	CO 27
				Max M _z	▷ -14.55	1.44	-15.16	▷ -3.59	-2.23	0.11	CO 21
	RC6	124	0.000	Min M _z	▷ -7.68	1.86	-12.94	▷ -3.30	-1.87	-0.02	CO 24
				Max N	▷ 186.71	2.37	23.60	▷ -4.32	14.76	-0.09	LC 1-5
				Min N	▷ -146.62	1.32	-45.63	▷ -2.46	-11.22	0.52	LC 1-4
				Max V _y	▷ 179.38	2.39	21.80	▷ -4.26	14.02	-0.01	LC 1-4
				Min V _y	▷ -139.28	1.30	-43.83	▷ -2.53	-10.47	0.44	LC 1-5
				Max V _z	▷ 186.32	2.36	23.69	▷ -4.34	14.74	-0.09	LC 1-5
				Min V _z	▷ -146.23	1.33	-45.72	▷ -2.45	-11.19	0.53	LC 1-4
				Max M _T	▷ -140.29	1.35	-44.91	▷ -2.39	-10.84	0.55	LC 1-5
				Min M _T	▷ 180.39	2.34	22.88	▷ -4.39	14.39	-0.12	LC 1-4
				Max M _y	▷ 185.73	2.37	23.49	▷ -4.36	14.81	-0.13	LC 1-4
				Min M _y	▷ -145.63	1.32	-45.52	▷ -2.43	-11.26	0.56	LC 1-5
				Max M _z	▷ -56.22	1.71	-27.55	▷ -2.78	-5.42	0.78	LC 1-5
	RC2	132	0.705	Min M _z	▷ 96.32	1.99	5.51	▷ -4.01	8.97	-0.34	LC 1-4
				Max N	▷ 224.61	2.39	21.88	▷ -3.20	22.06	-1.57	LC 1-5
				Min N	▷ -244.61	0.79	-48.67	▷ -3.82	-25.33	1.64	LC 1-4
				Max V _y	▷ 0.78	3.97	-12.64	▷ -4.11	-0.63	-0.17	LC 1-5
				Min V _y	▷ -20.78	-0.79	-14.15	▷ -2.91	-2.64	0.23	LC 1-4
				Max V _z	▷ 224.38	2.36	21.92	▷ -3.20	22.04	-1.57	LC 1-5
				Min V _z	▷ -244.38	0.82	-48.71	▷ -3.82	-25.31	1.63	LC 1-4
				Max M _T	▷ 91.11	-0.19	2.35	▷ -2.79	8.65	-0.55	LC 1-5
				Min M _T	▷ -111.11	3.38	-29.14	▷ -4.24	-11.92	0.62	LC 1-4
				Max M _y	▷ 224.53	2.39	21.86	▷ -3.20	22.07	-1.58	LC 1-5
				Min M _y	▷ -244.53	0.79	-48.65	▷ -3.82	-25.34	1.64	LC 1-4
				Max M _z	▷ -242.45	0.67	-48.25	▷ -3.78	-25.18	1.66	LC 1-5
199	RC1	130	0.000	Min M _z	▷ 222.45	2.52	21.46	▷ -3.25	21.91	-1.59	LC 1-4
				Max N	▷ 70.10	2.39	-9.67	▷ -3.30	5.50	0.64	CO 8
				Min N	▷ 49.84	1.46	-9.13	▷ -2.90	4.28	0.51	CO 9
				Max V _y	▷ 69.38	2.40	-9.62	▷ -3.33	5.49	0.64	CO 4
				Min V _y	▷ 50.56	1.45	-9.18	▷ -2.88	4.29	0.51	CO 13
				Max V _z	▷ 58.97	1.46	-8.33	▷ -2.93	4.56	0.50	CO 12
				Min V _z	▷ 60.97	2.39	-10.47	▷ -3.27	5.23	0.65	CO 1
				Max M _T	▷ 50.56	1.45	-9.18	▷ -2.88	4.29	0.51	CO 13
				Min M _T	▷ 69.38	2.40	-9.62	▷ -3.33	5.49	0.64	CO 4
				Max M _y	▷ 69.94	2.40	-9.68	▷ -3.31	5.50	0.64	CO 2
				Min M _y	▷ 50.00	1.45	-9.12	▷ -2.89	4.28	0.51	CO 11
				Max M _z	▷ 60.56	2.39	-10.40	▷ -3.28	5.21	0.65	CO 5
	RC2	124	0.705	Min M _z	▷ 58.82	1.46	-8.34	▷ -2.94	4.56	0.50	CO 10
				Max N	▷ 37.65	0.66	-14.87	▷ -4.09	2.52	0.38	CO 8
				Min N	▷ 18.74	1.51	-14.50	▷ -4.05	1.41	0.26	CO 9
				Max V _y	▷ 18.74	1.51	-14.50	▷ -4.05	1.41	0.26	CO 9
				Min V _y	▷ 37.65	0.66	-14.87	▷ -4.09	2.52	0.38	CO 8
				Max V _z	▷ 29.80	1.47	-13.65	▷ -4.03	1.86	0.24	CO 12
				Min V _z	▷ 26.59	0.70	-15.72	▷ -4.11	2.07	0.40	CO 1
				Max M _T	▷ 30.27	1.46	-13.71	▷ -4.02	1.85	0.24	CO 14
				Min M _T	▷ 26.13	0.71	-15.66	▷ -4.13	2.08	0.40	CO 3
				Max M _y	▷ 37.01	0.67	-14.81	▷ -4.12	2.53	0.37	CO 4
				Min M _y	▷ 19.39	1.50	-14.56	▷ -4.03	1.40	0.26	CO 13
				Max M _z	▷ 26.77	0.70	-15.71	▷ -4.10	2.07	0.40	CO 7
	RC2	130	0.000	Min M _z	▷ 29.62	1.47	-13.66	▷ -4.04	1.86	0.24	CO 10
				Max N	▷ 50.97	1.74	-7.07	▷ -2.44	4.04	0.47	CO 22
				Min N	▷ 36.63	1.05	-6.61	▷ -2.15	3.15	0.37	CO 23
				Max V _y	▷ 50.44	1.75	-7.03	▷ -2.46	4.03	0.47	CO 18
				Min V _y	▷ 37.16	1.05	-6.65	▷ -2.13	3.16	0.37	CO 27
				Max V _z	▷ 42.73	1.05	-6.08	▷ -2.17	3.34	0.36	CO 26
				Min V _z	▷ 44.87	1.74	-7.60	▷ -2.42	3.85	0.47	CO 15
				Max M _T	▷ 37.16	1.05	-6.65	▷ -2.13	3.16	0.37	CO 27
				Min M _T	▷ 50.44	1.75	-7.03	▷ -2.46	4.03	0.47	CO 18
				Max M _y	▷ 50.85	1.75	-7.08	▷ -2.45	4.04	0.47	CO 16
				Min M _y	▷ 36.75	1.05	-6.60	▷ -2.14	3.15	0.37	CO 25
				Max M _z	▷ 44.57	1.74	-7.55	▷ -2.43	3.84	0.48	CO 19
	RC2	124	0.705	Min M _z	▷ 42.61	1.06	-6.08	▷ -2.18	3.34	0.36	CO 24
				Max N	▷ 27.14	0.52	-10.92	▷ -3.04	1.85	0.28	CO 22
				Min N	▷ 13.94	1.14	-10.59	▷ -3.01	1.06	0.19	CO 23
				Max V _y	▷ 13.94	1.14	-10.59	▷ -3.01	1.06	0.19	CO 23

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
199	RC2			Min V _y	27.14	0.52	-10.92	-3.04	1.85	0.28	CO 22
				Max V _z	21.32	1.11	-10.03	-2.99	1.36	0.17	CO 26
				Min V _z	19.75	0.54	-11.49	-3.05	1.55	0.29	CO 15
				Max M _T	21.66	1.11	-10.07	-2.98	1.35	0.17	CO 28
				Min M _T	19.41	0.55	-11.45	-3.06	1.55	0.29	CO 17
				Max M _y	26.66	0.52	-10.88	-3.05	1.85	0.27	CO 18
				Min M _y	14.41	1.13	-10.63	-2.99	1.05	0.19	CO 27
				Max M _z	19.89	0.54	-11.49	-3.04	1.55	0.29	CO 21
				Min M _z	21.19	1.12	-10.03	-3.00	1.36	0.17	CO 24
				Max N	125.25	1.54	29.15	-3.70	9.75	0.34	LC 1-5
				Min N	-40.67	1.36	-41.46	-1.05	-2.42	0.51	LC 1-4
				Max V _y	69.26	1.68	4.40	-3.21	6.30	0.21	LC 1-4
	RC6	130	0.000	Min V _y	15.32	1.22	-16.71	-1.54	1.03	0.64	LC 1-5
				Max V _z	125.10	1.54	29.22	-3.71	9.73	0.35	LC 1-5
				Min V _z	-40.52	1.37	-41.52	-1.05	-2.40	0.50	LC 1-4
				Max M _T	-37.12	1.34	-40.14	-0.94	-2.33	0.56	LC 1-5
				Min M _T	121.70	1.56	27.84	-3.81	9.66	0.30	LC 1-4
				Max M _y	124.48	1.56	28.90	-3.77	9.80	0.32	LC 1-4
				Min M _y	-39.90	1.34	-41.21	-0.98	-2.47	0.53	LC 1-5
				Max M _z	18.72	1.30	-16.05	-1.28	0.98	0.76	LC 1-5
				Min M _z	65.86	1.60	3.74	-3.48	6.35	0.09	LC 1-4
		124	0.705	Max N	185.92	0.79	25.34	-3.99	15.01	-0.13	LC 1-5
				Min N	-145.07	0.75	-45.50	-2.14	-11.63	0.60	LC 1-4
				Max V _y	19.85	0.89	-10.40	-3.01	0.64	0.62	LC 1-4
				Min V _y	21.00	0.65	-9.77	-3.12	2.75	-0.15	LC 1-5
				Max V _z	185.86	0.79	25.35	-3.99	15.01	-0.13	LC 1-5
				Min V _z	-145.00	0.75	-45.52	-2.14	-11.63	0.60	LC 1-4
				Max M _T	-141.61	0.75	44.81	-2.10	-11.47	0.63	LC 1-5
				Min M _T	182.46	0.80	24.65	-4.03	14.86	-0.16	LC 1-4
				Max M _y	185.04	0.80	25.23	-4.02	15.05	-0.16	LC 1-4
				Min M _y	-144.18	0.75	-45.39	-2.11	-11.67	0.63	LC 1-5
				Max M _z	-58.82	0.85	-27.28	-2.53	-5.80	0.81	LC 1-5
				Min M _z	99.67	0.70	7.12	-3.60	9.19	-0.34	LC 1-4
203	RC1	132	0.000	Max N	-10.04	3.53	-21.85	-5.28	-1.80	0.16	CO 8
				Min N	-25.47	2.69	-18.82	-4.58	-2.57	0.01	CO 9
				Max V _y	-23.70	3.92	-22.76	-5.34	-2.36	0.19	CO 5
				Min V _y	-11.66	2.35	-17.91	-4.52	-2.00	-0.01	CO 14
				Max V _z	-12.25	2.38	-17.87	-4.53	-1.97	-0.02	CO 10
				Min V _z	-23.27	3.85	-22.80	-5.34	-2.40	0.19	CO 7
				Max M _T	-11.66	2.35	-17.91	-4.52	-2.00	-0.01	CO 14
				Min M _T	-23.86	3.88	-22.76	-5.35	-2.37	0.18	CO 3
				Max M _y	-10.47	3.60	-21.81	-5.28	-1.76	0.16	CO 6
				Min M _y	-24.89	2.66	-18.86	-4.57	-2.60	0.02	CO 13
				Max M _z	-23.27	3.85	-22.80	-5.34	-2.40	0.19	CO 7
				Min M _z	-12.25	2.38	-17.87	-4.53	-1.97	-0.02	CO 10
	RC2	132	0.000	Max N	-38.44	8.72	-20.37	-3.76	-11.82	-1.25	CO 14
				Min N	-59.36	10.18	-24.82	-4.56	-13.95	-1.76	CO 3
				Max V _y	-58.93	10.44	-25.02	-4.50	-14.07	-1.80	CO 1
				Min V _y	-38.87	8.46	-20.17	-3.83	-11.70	-1.21	CO 12
				Max V _z	-38.93	8.51	-20.17	-3.81	-11.73	-1.21	CO 10
				Min V _z	-58.87	10.39	-25.02	-4.52	-14.05	-1.81	CO 7
				Max M _T	-38.44	8.72	-20.37	-3.76	-11.82	-1.25	CO 14
				Min M _T	-59.29	10.13	-24.82	-4.58	-13.92	-1.77	CO 5
				Max M _y	-38.87	8.46	-20.17	-3.83	-11.70	-1.21	CO 12
				Min M _y	-58.93	10.44	-25.02	-4.50	-14.07	-1.80	CO 1
				Max M _z	-38.93	8.51	-20.17	-3.81	-11.73	-1.21	CO 10
				Min M _z	-58.87	10.39	-25.02	-4.52	-14.05	-1.81	CO 7
	RC6	132	0.000	Max N	-7.89	2.59	-16.04	-3.91	-1.33	0.11	CO 22
				Min N	-18.33	1.94	-13.71	-3.40	-1.85	-0.01	CO 23
				Max V _y	-17.02	2.84	-16.64	-3.95	-1.70	0.12	CO 19
				Min V _y	-9.08	1.71	-13.12	-3.35	-1.48	-0.02	CO 28
				Max V _z	-9.52	1.73	-13.08	-3.36	-1.45	-0.02	CO 24
				Min V _z	-16.70	2.80	-16.67	-3.95	-1.73	0.13	CO 21
				Max M _T	-9.08	1.71	-13.12	-3.35	-1.48	-0.02	CO 28
				Min M _T	-17.14	2.82	-16.63	-3.96	-1.71	0.12	CO 17
				Max M _y	-8.21	2.63	-16.01	-3.91	-1.30	0.11	CO 20
				Min M _y	-17.90	1.92	-13.75	-3.39	-1.88	-0.00	CO 27
				Max M _z	-16.70	2.80	-16.67	-3.95	-1.73	0.13	CO 21
				Min M _z	-9.52	1.73	-13.08	-3.36	-1.45	-0.02	CO 24
74	0.705			Max N	-28.81	6.64	-14.98	-2.74	-8.67	-0.98	CO 28
				Min N	-43.19	7.68	-18.18	-3.31	-10.17	-1.34	CO 17
				Max V _y	-42.87	7.87	-18.33	-3.26	-10.26	-1.37	CO 15
				Min V _y	-29.12	6.45	-14.84	-2.78	-8.58	-0.95	CO 26
				Max V _z	-29.17	6.49	-14.83	-2.77	-8.60	-0.95	CO 24
				Min V _z	-42.82	7.84	-18.33	-3.28	-10.24	-1.38	CO 21
				Max M _T	-28.81	6.64	-14.98	-2.74	-8.67	-0.98	CO 28
				Min M _T	-43.14	7.65	-18.19	-3.33	-10.15	-1.35	CO 19
				Max M _y	-29.12	6.45	-14.84	-2.78	-8.58	-0.95	CO 26
				Min M _y	-42.87	7.87	-18.33	-3.26	-10.26	-1.37	CO 15
				Max M _z	-29.17	6.49	-14.83	-2.77	-8.60	-0.95	CO 24
				Min M _z	-42.82	7.84	-18.33	-3.28	-10.24	-1.38	CO 21
RC6	132	0.000		Max N	226.54	9.34	16.28	-2.40	21.49	-0.98	LC 1-5
				Min N	-250.14	-4.46	-45.53	-5.36	-23.95	1.02	LC 1-4
				Max V _y	184.64	12.15	10.18	-2.11	17.90	-0.42	LC 1-5
				Min V _y	-208.25	-7.28	-39.43	-5.64	-20.35	0.46	LC 1-4
				Max V _z	226.04	9.18	16.35	-2.45	21.42	-0.99	LC 1-5
				Min V _z	-249.65	-4.31	-45.60	-5.31	-23.87	1.03	LC 1-4
				Max M _T	190.22	11.71	10.56	-2.04	18.45	-0.53	LC 1-5
				Min M _T	-213.82	-6.84	-39.81	-5.72	-20.90	0.57	LC 1-4
				Max M _y	226.37	9.48	16.22	-2.38	21.51	-0.97	LC 1-5
				Min M _y	-249.98	-4.61	-45.46	-5.38	-23.96	1.01	LC 1-4
				Max M _z	-141.06	5.52	-32.45	-3.75	-12.93	1.23	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member	Node			Location	Forces [kN]			Moments [kNm]			Corresponding	
No.	RC	No.	x [m]		N	V _y	V _z	M _T	M _y	M _z	Load Cases	
203	RC6	74	0.705	Min M _z	117.45	-0.65	3.20	-4.00	10.48	-1.19	LC 1-4	
				Max N	219.94	-13.25	36.47	-3.78	42.59	-3.35	LC 1-5	
				Min N	-291.12	30.36	-69.02	-1.82	-59.85	0.13	LC 1-4	
				Max V _y	-263.74	32.64	-64.39	0.39	-55.69	0.48	LC 1-4	
				Min V _y	192.55	-15.53	31.84	-5.99	38.42	-3.70	LC 1-5	
				Max V _z	219.64	-13.51	36.53	-3.92	42.64	-3.38	LC 1-5	
				Min V _z	-290.82	30.62	-69.08	-1.67	-59.90	0.16	LC 1-4	
				Max M _T	-30.52	19.44	-17.82	3.13	-10.74	-0.16	LC 1-4	
				Min M _T	-40.66	-2.33	-14.73	-8.73	-6.53	-3.06	LC 1-5	
				Max M _y	219.50	-13.61	36.50	-3.96	42.67	-3.40	LC 1-5	
				Min M _y	-290.68	30.72	-69.04	-1.63	-59.93	0.18	LC 1-4	
				Max M _z	-234.32	29.45	-58.29	0.52	-49.95	0.82	LC 1-5	
				Min M _z	163.14	-12.34	25.74	-6.12	32.68	-4.05	LC 1-4	
				Max N	18.14	-1.75	17.61	4.21	0.98	0.86	CO 14	
				Min N	9.06	-1.52	19.95	4.51	0.94	0.89	CO 5	
				Max V _y	13.17	-1.46	20.64	4.43	0.64	0.95	CO 4	
205	RC1	134	0.000	Min V _y	14.06	-1.81	16.90	4.28	1.29	0.80	CO 13	
				Max V _z	13.14	-1.46	20.66	4.44	0.63	0.95	CO 6	
				Min V _z	14.06	-1.81	16.90	4.28	1.29	0.80	CO 13	
				Max M _T	10.35	-1.52	19.83	4.52	1.01	0.89	CO 7	
				Min M _T	16.89	-1.74	17.71	4.19	0.92	0.86	CO 10	
				Max M _y	14.06	-1.81	16.90	4.28	1.29	0.80	CO 13	
				Min M _y	13.14	-1.46	20.66	4.44	0.63	0.95	CO 6	
				Max M _z	13.17	-1.46	20.64	4.43	0.64	0.95	CO 4	
				Min M _z	14.06	-1.81	16.90	4.28	1.29	0.80	CO 13	
				Max N	61.64	-0.85	13.13	1.79	4.75	0.94	CO 8	
				Min N	50.72	-0.73	9.66	1.63	4.44	0.93	CO 9	
				Max V _y	56.30	-0.69	10.38	1.54	4.36	0.95	CO 10	
				Min V _y	56.07	-0.89	12.42	1.87	4.83	0.92	CO 7	
				Max V _z	60.66	-0.85	13.25	1.78	4.70	0.94	CO 6	
				Min V _z	51.74	-0.74	9.56	1.65	4.48	0.93	CO 13	
				Max M _T	56.07	-0.89	12.42	1.87	4.83	0.92	CO 7	
				Min M _T	56.30	-0.69	10.38	1.54	4.36	0.95	CO 10	
				Max M _y	56.04	-0.89	12.40	1.86	4.83	0.92	CO 1	
		Min M _y	56.33	-0.70	10.40	1.55	4.36	0.95	CO 12			
		Max M _z	56.30	-0.69	10.38	1.54	4.36	0.95	CO 10			
		Min M _z	56.07	-0.89	12.42	1.87	4.83	0.92	CO 7			
		RC2	134	0.000	Max N	13.09	-1.32	12.89	3.12	0.73	0.63	CO 28
					Min N	6.67	-1.15	14.67	3.33	0.67	0.66	CO 19
					Max V _y	9.41	-1.11	15.14	3.28	0.47	0.69	CO 18
					Min V _y	10.37	-1.36	12.42	3.16	0.93	0.59	CO 27
					Max V _z	9.39	-1.11	15.15	3.28	0.46	0.69	CO 20
					Min V _z	10.37	-1.36	12.42	3.16	0.93	0.59	CO 27
					Max M _T	7.62	-1.15	14.59	3.34	0.72	0.65	CO 21
					Min M _T	12.16	-1.32	12.97	3.10	0.68	0.63	CO 24
					Max M _y	10.37	-1.36	12.42	3.16	0.93	0.59	CO 27
					Min M _y	9.39	-1.11	15.15	3.28	0.46	0.69	CO 20
					Max M _z	9.41	-1.11	15.14	3.28	0.47	0.69	CO 18
					Min M _z	10.37	-1.36	12.42	3.16	0.93	0.59	CO 27
					Max N	44.90	-0.60	9.57	1.32	3.48	0.69	CO 22
					Min N	37.23	-0.51	7.05	1.19	3.25	0.68	CO 23
					Max V _y	40.94	-0.48	7.53	1.14	3.19	0.70	CO 24
					Min V _y	41.18	-0.63	9.09	1.37	3.53	0.67	CO 21
					Max V _z	44.18	-0.60	9.66	1.31	3.45	0.69	CO 20
					Min V _z	37.98	-0.51	6.98	1.21	3.28	0.68	CO 27
		Max M _T	41.18	-0.63	9.09	1.37	3.53	0.67	CO 21			
		Min M _T	40.94	-0.48	7.53	1.14	3.19	0.70	CO 24			
		Max M _y	41.16	-0.63	9.08	1.37	3.53	0.67	CO 15			
		Min M _y	40.97	-0.48	7.55	1.14	3.19	0.70	CO 26			
		Max M _z	40.94	-0.48	7.53	1.14	3.19	0.70	CO 24			
		Min M _z	41.18	-0.63	9.09	1.37	3.53	0.67	CO 21			
		RC6	134	0.000	Max N	202.59	-1.90	-22.37	4.02	16.01	0.13	LC 1-4
					Min N	-190.57	-0.87	50.09	2.48	-15.17	1.12	LC 1-5
					Max V _y	-72.06	-0.31	30.57	1.04	-7.14	0.96	LC 1-4
					Min V _y	84.09	-2.46	-2.85	5.47	7.98	0.30	LC 1-5
					Max V _z	-190.25	-0.84	50.16	2.39	-15.21	1.13	LC 1-5
					Min V _z	202.28	-1.94	-22.44	4.11	16.05	0.13	LC 1-4
					Max M _T	70.90	-2.46	-0.53	5.48	6.98	0.33	LC 1-5
					Min M _T	-58.87	-0.32	28.25	1.02	-6.14	0.93	LC 1-4
					Max M _y	202.07	-1.96	-22.42	4.14	16.06	0.13	LC 1-4
					Min M _y	-190.05	-0.82	50.14	2.37	-15.22	1.13	LC 1-5
					Max M _z	-187.10	-0.76	49.78	2.23	-15.10	1.14	LC 1-5
					Min M _z	199.12	-2.01	-22.06	4.27	15.94	0.12	LC 1-4
					Max N	140.68	-0.57	-28.08	2.56	10.40	0.47	LC 1-4
					Min N	-66.07	-0.00	44.73	-0.09	-4.18	0.78	LC 1-5
					Max V _y	-5.85	0.22	25.85	-0.80	-0.22	0.59	LC 1-4
					Min V _y	80.46	-0.79	-9.19	3.27	6.44	0.65	LC 1-5
					Max V _z	-65.84	0.02	44.82	-0.16	-4.18	0.77	LC 1-5
					Min V _z	140.45	-0.59	-28.17	2.63	10.40	0.47	LC 1-4
		Max M _T	82.23	-0.79	-9.87	3.30	6.56	0.65	LC 1-5			
		Min M _T	-7.62	0.21	26.53	-0.83	-0.34	0.60	LC 1-4			
		Max M _y	140.59	-0.59	-28.13	2.61	10.41	0.47	LC 1-4			
		Min M _y	-65.98	0.01	44.78	-0.14	-4.19	0.77	LC 1-5			
		Max M _z	-55.05	-0.21	39.77	0.73	-3.28	0.80	LC 1-5			
		Min M _z	129.66	-0.37	-23.11	1.74	9.49	0.44	LC 1-4			
208	RC1	136	0.000	Max N	61.72	0.39	11.86	1.59	4.72	0.94	CO 8	
				Min N	50.81	0.20	8.63	1.44	4.42	0.93	CO 9	
				Max V _y	60.70	0.40	11.95	1.57	4.68	0.95	CO 4	
				Min V _y	51.82	0.19	8.53	1.46	4.46	0.93	CO 13	
				Max V _z	60.74	0.40	11.97	1.58	4.68	0.95	CO 6	
				Min V _z	51.82	0.19	8.53	1.46	4.46	0.93	CO 13	
				Max M _T	56.14	0.35	11.13	1.67	4.80	0.93	CO 7	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
208	RC1	121	0.768	Min M _T	56.38	0.24	9.35	1.35	4.34	0.95	CO 10
				Max M _y	56.11	0.36	11.12	1.66	4.81	0.93	CO 1
				Min M _y	56.41	0.24	9.37	1.36	4.33	0.95	CO 12
				Max M _z	56.38	0.24	9.35	1.35	4.34	0.95	CO 10
				Min M _z	56.14	0.35	11.13	1.67	4.80	0.93	CO 7
				Max N	82.28	-1.33	4.31	-0.96	6.61	0.90	CO 8
				Min N	63.06	0.04	0.95	-1.18	5.45	0.70	CO 9
				Max V _y	71.11	0.06	1.60	-1.22	5.58	0.69	CO 14
				Min V _y	74.34	-1.36	3.69	-0.91	6.48	0.90	CO 5
				Max V _z	81.59	-1.33	4.43	-0.98	6.59	0.90	CO 6
				Min V _z	63.86	0.04	0.86	-1.15	5.47	0.69	CO 13
				Max M _T	75.03	-1.35	3.57	-0.89	6.50	0.90	CO 7
				Min M _T	70.31	0.06	1.69	-1.25	5.56	0.70	CO 10
				Max M _y	82.17	-1.32	4.29	-0.97	6.61	0.90	CO 2
				Min M _y	63.17	0.03	0.97	-1.17	5.45	0.70	CO 11
				Max M _z	81.59	-1.33	4.43	-0.98	6.59	0.90	CO 6
				Min M _z	63.86	0.04	0.86	-1.15	5.47	0.69	CO 13
	RC2	136	0.000	Max N	44.95	0.24	8.69	1.18	3.46	0.69	CO 22
				Min N	37.28	0.10	6.36	1.07	3.23	0.69	CO 23
				Max V _y	44.20	0.25	8.76	1.17	3.43	0.70	CO 18
				Min V _y	38.03	0.10	6.29	1.08	3.26	0.68	CO 27
				Max V _z	44.22	0.25	8.78	1.18	3.43	0.70	CO 20
				Min V _z	38.03	0.10	6.29	1.08	3.26	0.68	CO 27
				Max M _T	41.23	0.22	8.21	1.24	3.52	0.68	CO 21
				Min M _T	41.00	0.13	6.84	1.01	3.18	0.70	CO 24
				Max M _y	41.21	0.22	8.20	1.23	3.52	0.68	CO 15
				Min M _y	41.02	0.13	6.85	1.02	3.18	0.70	CO 26
				Max M _z	41.00	0.13	6.84	1.01	3.18	0.70	CO 24
				Min M _z	41.23	0.22	8.21	1.24	3.52	0.68	CO 21
		121	0.768	Max N	59.92	-0.95	3.10	-0.71	4.85	0.67	CO 22
				Min N	46.22	0.06	0.66	-0.87	4.00	0.51	CO 23
				Max V _y	51.65	0.08	1.08	-0.90	4.09	0.51	CO 28
				Min V _y	54.57	-0.97	2.69	-0.67	4.76	0.67	CO 19
				Max V _z	59.40	-0.95	3.18	-0.72	4.83	0.67	CO 20
				Min V _z	46.82	0.07	0.59	-0.85	4.02	0.51	CO 27
				Max M _T	55.08	-0.96	2.60	-0.66	4.78	0.67	CO 21
				Min M _T	51.06	0.08	1.15	-0.92	4.07	0.51	CO 24
				Max M _y	59.83	-0.94	3.08	-0.71	4.85	0.67	CO 16
				Min M _y	46.30	0.06	0.68	-0.87	4.00	0.51	CO 25
				Max M _z	59.40	-0.95	3.18	-0.72	4.83	0.67	CO 20
				Min M _z	46.82	0.07	0.59	-0.85	4.02	0.51	CO 27
	RC6	136	0.000	Max N	140.58	-0.30	-28.57	2.58	10.44	0.50	LC 1-4
				Min N	-65.99	-0.07	44.70	-0.07	-4.23	0.77	LC 1-5
				Max V _y	5.65	0.17	21.93	-0.69	0.55	0.58	LC 1-4
				Min V _y	68.94	-0.53	-5.80	3.20	5.66	0.69	LC 1-5
				Max V _z	-65.75	-0.05	44.80	-0.15	-4.23	0.76	LC 1-5
				Min V _z	140.34	-0.31	-28.67	2.66	10.44	0.50	LC 1-4
				Max M _T	82.12	-0.51	-10.36	3.33	6.58	0.67	LC 1-5
				Min M _T	-7.53	0.15	26.49	-0.82	-0.38	0.59	LC 1-4
				Max M _y	140.48	-0.31	-28.63	2.63	10.44	0.50	LC 1-4
				Min M _y	-65.89	-0.06	44.76	-0.12	-4.23	0.77	LC 1-5
				Max M _z	-53.68	-0.21	39.12	0.80	-3.21	0.80	LC 1-5
				Min M _z	128.27	-0.15	-22.99	1.71	9.42	0.46	LC 1-4
		121	0.768	Max N	57.70	-0.22	-29.09	0.21	4.76	0.51	LC 1-5
				Min N	43.11	-0.93	33.88	-1.57	4.03	0.76	LC 1-4
				Max V _y	56.10	-0.09	-27.36	0.13	4.67	0.50	LC 1-4
				Min V _y	44.72	-1.06	32.14	-1.48	4.12	0.77	LC 1-5
				Max V _z	44.93	-0.92	39.54	-2.24	4.32	0.69	LC 1-5
				Min V _z	55.89	-0.23	-34.75	0.88	4.47	0.58	LC 1-4
				Max M _T	49.99	-0.62	-17.24	1.13	3.85	0.79	LC 1-5
				Min M _T	50.83	-0.53	22.02	-2.49	4.93	0.48	LC 1-4
				Max M _y	55.32	-0.38	2.69	-1.77	5.12	0.43	LC 1-4
				Min M _y	45.50	-0.77	2.10	0.42	3.66	0.84	LC 1-5
				Max M _z	46.34	-0.89	3.62	0.40	3.73	0.86	LC 1-5
				Min M _z	54.48	-0.26	1.17	-1.76	5.05	0.41	LC 1-4
211	RC1	138	0.000	Max N	-42.86	-9.94	24.60	5.91	-4.81	-0.73	CO 14
				Min N	-60.37	-10.06	27.38	6.35	-5.38	-0.83	CO 5
				Max V _y	-45.47	-9.74	23.76	5.95	-4.21	-0.82	CO 13
				Min V _y	-57.77	-10.26	28.22	6.30	-5.98	-0.74	CO 6
				Max V _z	-57.77	-10.26	28.22	6.30	-5.98	-0.74	CO 6
				Min V _z	-45.47	-9.74	23.76	5.95	-4.21	-0.82	CO 13
				Max M _T	-60.37	-10.06	27.38	6.35	-5.38	-0.83	CO 5
				Min M _T	-44.38	-9.95	24.72	5.90	-4.89	-0.72	CO 10
				Max M _y	-45.47	-9.74	23.76	5.95	-4.21	-0.82	CO 13
				Min M _y	-57.77	-10.26	28.22	6.30	-5.98	-0.74	CO 6
				Max M _z	-44.38	-9.95	24.72	5.90	-4.89	-0.72	CO 10
				Min M _z	-58.76	-10.04	27.25	6.35	-5.29	-0.84	CO 7
		134	0.768	Max N	17.95	-2.19	18.27	4.39	1.02	0.83	CO 14
				Min N	8.86	-2.57	21.07	4.73	0.98	0.85	CO 5
				Max V _y	16.70	-2.18	18.37	4.37	0.96	0.84	CO 10
				Min V _y	10.14	-2.57	20.95	4.74	1.05	0.85	CO 7
				Max V _z	12.94	-2.50	21.78	4.66	0.67	0.90	CO 6
				Min V _z	13.87	-2.26	17.56	4.46	1.33	0.78	CO 13
				Max M _T	10.14	-2.57	20.95	4.74	1.05	0.85	CO 7
				Min M _T	16.70	-2.18	18.37	4.37	0.96	0.84	CO 10
				Max M _y	13.87	-2.26	17.56	4.46	1.33	0.78	CO 13
				Min M _y	12.94	-2.50	21.78	4.66	0.67	0.90	CO 6
				Max M _z	12.97	-2.50	21.76	4.65	0.68	0.90	CO 4
				Min M _z	13.87	-2.26	17.56	4.46	1.33	0.78	CO 13
	RC2	138	0.000	Max N	-31.54	-7.34	18.02	4.36	-3.52	-0.54	CO 28
				Min N	-44.32	-7.44	20.15	4.69	-3.99	-0.61	CO 19
				Max V _y	-33.28	-7.20	17.46	4.40	-3.12	-0.60	CO 27



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
211	RC2	134	0.768	Min V _y	-42.58	▷ -7.57	20.71	4.66	-4.39	-0.55	CO 20
				Max V _z	-42.58	▷ -7.57	20.71	4.66	-4.39	-0.55	CO 20
				Min V _z	-33.28	▷ -7.20	17.46	4.40	-3.12	-0.60	CO 27
				Max M _T	-43.12	▷ -7.43	20.05	▷ 4.69	-3.92	-0.62	CO 21
				Min M _T	-32.67	▷ -7.35	18.11	▷ 4.36	-3.58	-0.54	CO 24
				Max M _y	-33.28	▷ -7.20	17.46	4.40	▷ -3.12	-0.60	CO 27
				Min M _y	-42.58	▷ -7.57	20.71	4.66	▷ -4.39	-0.55	CO 20
				Max M _z	-32.67	▷ -7.35	18.11	4.36	▷ -3.58	-0.54	CO 24
				Min M _z	-43.12	▷ -7.43	20.05	4.69	▷ -3.92	-0.62	CO 21
				Max N	▷ 12.96	-1.60	13.33	3.23	0.75	0.61	CO 28
				Min N	▷ 6.53	-1.88	15.46	3.48	0.70	0.63	CO 19
				Max V _y	▷ 12.04	-1.60	13.41	3.22	0.71	0.61	CO 24
				Min V _y	▷ 7.48	-1.88	15.38	3.49	0.75	0.62	CO 21
				Max V _z	9.25	▷ -1.83	15.94	3.44	0.49	0.66	CO 20
				Min V _z	10.24	▷ -1.65	12.86	3.28	0.96	0.57	CO 27
				Max M _T	7.48	▷ -1.88	15.38	▷ 3.49	0.75	0.62	CO 21
				Min M _T	12.04	▷ -1.60	13.41	▷ 3.22	0.71	0.61	CO 24
				Max M _y	10.24	▷ -1.65	12.86	▷ 3.28	0.96	0.57	CO 27
				Min M _y	9.25	▷ -1.83	15.94	▷ 3.44	0.49	0.66	CO 20
				Max M _z	9.27	▷ -1.83	15.92	▷ 3.43	0.50	0.66	CO 18
				Min M _z	10.24	▷ -1.65	12.86	▷ 3.28	0.96	0.57	CO 27
	RC6	138	0.000	Max N	▷ 234.84	-7.27	-18.09	3.87	23.94	-2.18	LC 1-4
				Min N	▷ -317.10	-7.43	55.99	5.21	-32.04	1.08	LC 1-5
				Max V _y	▷ -42.71	▷ -4.37	22.43	2.42	-7.93	0.87	LC 1-4
				Min V _y	▷ -39.55	▷ -10.34	15.48	6.66	-0.16	-1.97	LC 1-5
				Max V _z	▷ -316.48	▷ -7.28	56.09	5.09	-32.17	1.15	LC 1-5
				Min V _z	234.22	▷ -7.43	-18.18	3.98	24.08	-2.25	LC 1-4
				Max M _T	-69.64	▷ -10.30	19.58	▷ 6.70	-3.29	-1.77	LC 1-5
				Min M _T	-12.62	▷ -4.40	18.33	▷ 2.37	-4.81	0.67	LC 1-4
				Max M _y	233.59	▷ -7.49	-18.16	4.03	24.09	-2.28	LC 1-4
				Min M _y	-315.85	▷ -7.22	56.07	5.05	-32.19	1.17	LC 1-5
				Max M _z	-170.32	▷ -4.81	39.10	3.02	-20.37	1.43	LC 1-4
				Min M _z	88.06	▷ -9.90	-1.20	6.06	12.27	-2.53	LC 1-5
		134	0.768	Max N	▷ 202.82	-2.44	-21.65	4.06	15.93	0.11	LC 1-4
				Min N	▷ -190.93	-0.76	50.12	2.52	-15.05	1.09	LC 1-5
				Max V _y	▷ -82.41	▷ -0.31	32.34	1.14	-7.80	0.95	LC 1-5
				Min V _y	▷ 94.29	▷ -2.89	-3.87	5.44	8.67	0.25	LC 1-4
				Max V _z	▷ -190.66	▷ -0.72	50.17	2.44	-15.09	1.09	LC 1-5
				Min V _z	202.55	▷ -2.48	-21.70	4.14	15.96	0.10	LC 1-4
				Max M _T	71.60	▷ -2.86	0.12	▷ 5.50	6.99	0.29	LC 1-5
				Min M _T	-59.71	▷ -0.34	28.36	▷ 1.09	-6.12	0.90	LC 1-4
				Max M _y	202.30	▷ -2.50	-21.68	4.17	15.97	0.10	LC 1-4
				Min M _y	-190.42	▷ -0.71	50.15	2.41	-15.10	1.10	LC 1-5
				Max M _z	-187.41	▷ -0.65	49.77	2.27	-14.97	1.10	LC 1-5
				Min M _z	199.30	▷ -2.56	-21.30	4.31	15.85	0.09	LC 1-4
215	RC1	141	0.000	Max N	▷ 58.84	-0.25	-1.70	4.62	4.03	1.12	CO 1
				Min N	▷ 43.55	-0.72	0.89	4.45	3.18	0.99	CO 12
				Max V _y	▷ 58.84	-0.25	-1.70	4.62	4.03	1.12	CO 1
				Min V _y	▷ 43.55	-0.72	0.89	4.45	3.18	0.99	CO 12
				Max V _z	▷ 43.55	-0.72	0.89	4.45	3.18	0.99	CO 12
				Min V _z	▷ 58.84	-0.25	-1.70	4.62	4.03	1.12	CO 1
				Max M _T	▷ 58.84	-0.25	-1.70	▷ 4.62	4.03	1.12	CO 1
				Min M _T	▷ 43.55	-0.72	0.89	▷ 4.45	3.18	0.99	CO 12
				Max M _y	▷ 58.84	-0.25	-1.70	▷ 4.62	4.03	1.12	CO 1
				Min M _y	▷ 43.55	-0.72	0.89	▷ 4.45	3.18	0.99	CO 12
				Max M _z	▷ 58.21	-0.25	-1.28	4.62	4.00	1.12	CO 5
				Min M _z	▷ 44.16	-0.72	0.48	4.45	3.21	0.98	CO 14
		143	0.950	Max N	▷ 44.27	-1.72	-9.30	0.13	2.85	1.45	CO 5
				Min N	▷ 35.81	-1.36	-7.67	0.41	2.53	1.37	CO 14
				Max V _y	▷ 36.53	-1.36	-7.27	0.41	2.60	1.37	CO 12
				Min V _y	▷ 43.51	-1.72	-9.73	0.14	2.78	1.45	CO 1
				Max V _z	▷ 36.53	-1.36	-7.27	0.41	2.60	1.37	CO 12
				Min V _z	▷ 43.51	-1.72	-9.73	0.14	2.78	1.45	CO 1
				Max M _T	▷ 41.20	-1.36	-8.52	▷ 0.49	2.65	1.37	CO 9
				Min M _T	▷ 39.55	-1.72	-8.07	▷ 0.06	2.80	1.45	CO 6
				Max M _y	▷ 44.27	-1.72	-9.30	▷ 0.13	2.85	1.45	CO 5
				Min M _y	▷ 35.81	-1.36	-7.67	▷ 0.41	2.53	1.37	CO 14
				Max M _z	▷ 43.56	-1.72	-9.71	▷ 0.14	2.78	1.45	CO 7
				Min M _z	▷ 36.48	-1.36	-7.29	▷ 0.42	2.60	1.37	CO 10
	RC2	141	0.000	Max N	▷ 42.39	-0.26	-1.26	3.45	2.91	0.81	CO 15
				Min N	▷ 31.74	-0.60	0.56	3.32	2.31	0.71	CO 26
				Max V _y	▷ 42.39	-0.26	-1.26	3.45	2.91	0.81	CO 15
				Min V _y	▷ 31.74	-0.60	0.56	3.32	2.31	0.71	CO 26
				Max V _z	▷ 31.74	-0.60	0.56	3.32	2.31	0.71	CO 26
				Min V _z	▷ 42.39	-0.26	-1.26	3.45	2.91	0.81	CO 15
				Max M _T	▷ 42.39	-0.26	-1.26	▷ 3.45	2.91	0.81	CO 15
				Min M _T	▷ 31.74	-0.60	0.56	▷ 3.32	2.31	0.71	CO 26
				Max M _y	▷ 42.39	-0.26	-1.26	▷ 3.45	2.91	0.81	CO 15
				Min M _y	▷ 31.74	-0.60	0.56	▷ 3.32	2.31	0.71	CO 26
				Max M _z	▷ 41.93	-0.26	-0.95	3.45	2.89	0.81	CO 19
				Min M _z	▷ 32.19	-0.60	0.26	3.33	2.33	0.71	CO 28
		143	0.950	Max N	▷ 31.60	-1.20	-6.92	0.16	2.04	1.05	CO 19
				Min N	▷ 25.70	-0.93	-5.81	0.37	1.81	1.00	CO 28
				Max V _y	▷ 26.23	-0.93	-5.51	0.37	1.86	0.99	CO 26
				Min V _y	▷ 31.03	-1.20	-7.24	0.16	1.99	1.05	CO 15
				Max V _z	▷ 26.23	-0.93	-5.51	0.37	1.86	0.99	CO 26
				Min V _z	▷ 31.03	-1.20	-7.24	0.16	1.99	1.05	CO 15
				Max M _T	▷ 29.34	-0.93	-6.35	▷ 0.42	1.89	0.99	CO 23
				Min M _T	▷ 28.46	-1.20	-6.10	▷ 0.11	2.01	1.05	CO 20
				Max M _y	▷ 31.60	-1.20	-6.92	▷ 0.16	2.04	1.05	CO 19
				Min M _y	▷ 25.70	-0.93	-5.81	▷ 0.37	1.81	1.00	CO 28
				Max M _z	▷ 31.07	-1.20	-7.23	0.16	1.99	1.06	CO 21

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases				
				N	V _y	V _z	M _T	M _y	M _z					
215	RC2	141	0.000	Min M _z	26.20	-0.93	-5.52	0.37	1.86	0.99	CO 24			
	Max N			85.41	-0.74	-14.23	3.89	5.97	0.55	LC 1-4				
	Min N			-22.18	-1.12	12.74	3.34	-1.45	0.80	LC 1-5				
	Max V _y			49.16	-0.36	-2.85	2.86	2.79	0.44	LC 1-5				
	Min V _y			14.07	-1.50	1.36	4.37	1.72	0.91	LC 1-4				
	Max V _z			-21.41	-1.04	12.92	3.22	-1.51	0.77	LC 1-5				
	Min V _z			84.64	-0.82	-14.42	4.02	6.03	0.58	LC 1-4				
	Max M _T			39.98	-1.40	-5.17	4.54	3.53	0.84	LC 1-4				
	Min M _T			23.25	-0.45	3.68	2.70	0.98	0.51	LC 1-5				
	Max M _y			84.47	-0.83	-14.41	4.04	6.03	0.58	LC 1-4				
	Min M _y			-21.24	-1.02	12.91	3.20	-1.52	0.76	LC 1-5				
	Max M _z			9.41	-1.49	2.88	4.19	1.37	0.92	LC 1-5				
	143	0.950	Min M _z	53.83	-0.37	-4.38	3.05	3.15	0.43	LC 1-4				
			Max N	33.07	-0.60	-19.68	1.12	1.80	0.78	LC 1-5				
			Min N	10.84	-0.49	5.76	0.04	1.16	0.99	LC 1-4				
			Max V _y	16.11	-0.42	4.32	0.25	1.51	0.78	LC 1-5				
			Min V _y	27.81	-0.67	-18.24	0.91	1.45	1.00	LC 1-4				
			Max V _z	12.78	-0.45	7.07	-0.04	1.34	0.92	LC 1-5				
			Min V _z	31.13	-0.64	-20.99	1.20	1.62	0.86	LC 1-4				
			Max M _T	28.97	-0.53	-12.75	1.45	1.93	0.54	LC 1-4				
			Min M _T	14.94	-0.57	-1.17	-0.29	1.03	1.24	LC 1-5				
			Max M _y	29.63	-0.49	-10.05	1.20	2.04	0.50	LC 1-5				
			Min M _y	14.29	-0.61	-3.87	-0.04	0.92	1.27	LC 1-4				
			Max M _z	17.09	-0.62	-6.12	-0.12	1.00	1.31	LC 1-5				
218	RC1	143	0.000	Min M _z	26.83	-0.47	-7.80	1.28	1.96	0.47	LC 1-4			
	Max N			44.21	0.95	-14.88	0.54	2.89	1.43	CO 5				
	Min N			35.79	0.44	-11.03	0.47	2.55	1.34	CO 14				
	Max V _y			44.16	0.95	-14.90	0.55	2.89	1.42	CO 3				
	Min V _y			35.79	0.44	-11.03	0.47	2.55	1.34	CO 14				
	Max V _z			36.51	0.44	-10.62	0.47	2.63	1.34	CO 12				
	139			0.950	Min V _z	43.44	0.95	-15.31	0.55	2.81	1.43	CO 1		
					Max M _T	41.17	0.44	-11.88	0.56	2.68	1.34	CO 9		
					Min M _T	39.50	0.95	-13.64	0.47	2.84	1.43	CO 6		
					Max M _y	44.21	0.95	-14.88	0.54	2.89	1.43	CO 5		
					Min M _y	35.79	0.44	-11.03	0.47	2.55	1.34	CO 14		
					Max M _z	43.49	0.95	-15.29	0.55	2.81	1.43	CO 7		
		RC2	143		0.000	Min M _z	36.46	0.44	-10.64	0.48	2.63	1.34	CO 10	
						Max N	-10.85	8.63	-20.27	-4.79	-2.55	0.20	CO 11	
						Min N	-19.93	8.48	-22.10	-5.48	-3.18	0.30	CO 2	
						Max V _y	-13.86	8.75	-19.39	-4.87	-2.40	0.17	CO 14	
						Min V _y	-16.91	8.36	-22.99	-5.39	-3.33	0.33	CO 3	
						Max V _z	-11.89	8.74	-18.97	-4.86	-2.20	0.16	CO 12	
	RC6			143		0.000	Min V _z	-18.88	8.37	-23.41	-5.41	-3.53	0.34	CO 1
							Max M _T	-10.96	8.62	-20.30	-4.78	-2.55	0.20	CO 9
							Min M _T	-19.81	8.49	-22.08	-5.49	-3.18	0.30	CO 8
							Max M _y	-11.89	8.74	-18.97	-4.86	-2.20	0.16	CO 12
							Min M _y	-18.88	8.37	-23.41	-5.41	-3.53	0.34	CO 1
							Max M _z	-18.88	8.37	-23.41	-5.41	-3.53	0.34	CO 1
		139	0.950		Min M _z		-11.89	8.74	-18.97	-4.86	-2.20	0.16	CO 12	
					Max N		31.55	0.62	-10.82	0.46	2.07	1.04	CO 19	
					Min N		25.69	0.24	-8.07	0.41	1.83	0.97	CO 28	
					Max V _y		31.55	0.62	-10.82	0.46	2.07	1.04	CO 19	
					Min V _y		25.69	0.24	-8.07	0.41	1.83	0.97	CO 28	
					Max V _z		26.22	0.24	-7.77	0.41	1.88	0.97	CO 26	
	RC6			143	0.000	Min V _z	30.98	0.62	-11.14	0.46	2.01	1.04	CO 15	
						Max M _T	29.32	0.24	-8.60	0.47	1.91	0.97	CO 23	
						Min M _T	28.41	0.62	-10.00	0.41	2.03	1.04	CO 20	
						Max M _y	31.55	0.62	-10.82	0.46	2.07	1.04	CO 19	
						Min M _y	25.69	0.24	-8.07	0.41	1.83	0.97	CO 28	
						Max M _z	31.02	0.62	-11.12	0.46	2.01	1.04	CO 21	
		139	0.950			Min M _z	26.18	0.24	-7.78	0.42	1.88	0.97	CO 24	
						Max N	-8.57	6.31	-14.86	-3.45	-1.89	0.15	CO 25	
						Min N	-15.21	6.19	-16.30	-3.96	-2.39	0.23	CO 16	
						Max V _y	-10.73	6.39	-14.30	-3.51	-1.81	0.13	CO 28	
						Min V _y	-13.06	6.11	-16.86	-3.90	-2.47	0.25	CO 17	
						Max V _z	-9.26	6.39	-13.99	-3.50	-1.66	0.12	CO 26	
	RC6			143	0.000	Min V _z	-14.52	6.12	-17.17	-3.91	-2.62	0.26	CO 15	
						Max M _T	-8.65	6.30	-14.88	-3.45	-1.90	0.16	CO 23	
						Min M _T	-15.13	6.20	-16.28	-3.97	-2.39	0.23	CO 22	
						Max M _y	-9.26	6.39	-13.99	-3.50	-1.66	0.12	CO 26	
						Min M _y	-14.52	6.12	-17.17	-3.91	-2.62	0.26	CO 15	
						Max M _z	-14.52	6.12	-17.17	-3.91	-2.62	0.26	CO 15	
		139	0.950			Min M _z	-9.26	6.39	-13.99	-3.50	-1.66	0.12	CO 26	
						Max N	32.86	0.07	-21.94	1.46	1.87	0.76	LC 1-5	
						Min N	10.95	-0.30	4.22	0.31	1.14	0.98	LC 1-4	
						Max V _y	31.93	0.08	-21.65	1.41	1.81	0.79	LC 1-5	
						Min V _y	11.88	-0.32	3.93	0.36	1.19	0.95	LC 1-4	
						Max V _z	12.99	-0.30	5.63	0.23	1.32	0.89	LC 1-5	
	RC6			143	0.000	Min V _z	30.81	0.06	-23.36	1.54	1.68	0.84	LC 1-4	
						Max M _T	28.91	-0.02	-14.80	1.74	1.96	0.54	LC 1-4	
						Min M _T	14.90	-0.22	-2.93	0.03	1.05	1.20	LC 1-5	
						Max M _y	29.82	-0.03	-12.29	1.50	2.07	0.50	LC 1-5	
						Min M _y	13.98	-0.21	-5.43	0.27	0.94	1.24	LC 1-4	
						Max M _z	16.79	-0.17	-7.99	0.22	1.03	1.27	LC 1-5	
		RC6	143			0.000	Min M _z	27.02	-0.07	-9.74	1.55	1.98	0.46	LC 1-4
							Max N	16.84	4.53	0.75	-3.68	2.99	0.16	LC 1-5
							Min N	-49.27	6.41	-30.98	-2.75	-7.80	0.38	LC 1-4
							Max V _y	-22.84	8.59	-15.99	-5.24	-3.79	0.15	LC 1-5
							Min V _y	-9.59	2.35	-14.24	-1.20	-1.01	0.39	LC 1-4
							Max V _z	16.20	4.90	1.04	-4.05	2.89	0.18	LC 1-5
	RC6			143	0.000		Min V _z	-48.62	6.04	-31.27	-2.39	-7.70	0.36	LC 1-4
							Max M _T	-20.21	3.21	-19.73	-0.79	-2.78	0.20	LC 1-4



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]				Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z		M _T	M _y	M _z	
218	RC6			Min M _T	-12.22	7.73	-10.50	▷	-5.64	-2.03	0.34	LC 1-5
				Max M _y	16.67	4.40	0.69	▷	-3.59	3.01	0.17	LC 1-5
				Min M _y	-49.10	6.54	-30.92	▷	-2.84	-7.82	0.37	LC 1-4
				Max M _z	-22.38	3.87	-17.44	▷	-3.42	-3.26	0.86	LC 1-4
				Min M _z	-10.04	7.06	-12.78	▷	-3.02	-1.55	-0.32	LC 1-5
				Max N	26.52	-7.03	10.94	▷	7.24	1.76	-0.19	CO 1
				Min N	9.74	-6.54	11.61	▷	6.91	0.50	-0.17	CO 12
				Max V _y	11.59	-6.54	11.20	▷	6.90	0.65	-0.18	CO 14
				Min V _y	24.58	-7.04	11.36	▷	7.25	1.60	-0.18	CO 5
				Max V _z	12.09	-7.01	12.59	▷	7.26	0.89	-0.16	CO 6
				Min V _z	24.08	-6.57	9.98	▷	6.89	1.36	-0.19	CO 13
				Max M _T	12.17	-7.00	12.57	▷	7.26	0.90	-0.16	CO 4
221	RC1	145	0.000	Min M _T	24.08	-6.57	9.98	▷	6.89	1.36	-0.19	CO 13
				Max M _y	26.52	-7.03	10.94	▷	7.24	1.76	-0.19	CO 1
				Min M _y	9.74	-6.54	11.61	▷	6.91	0.50	-0.17	CO 12
				Max M _z	12.17	-7.00	12.57	▷	7.26	0.90	-0.16	CO 4
				Min M _z	24.08	-6.57	9.98	▷	6.89	1.36	-0.19	CO 13
				Max N	58.82	-2.84	3.08	▷	4.28	4.01	1.06	CO 1
				Min N	43.48	-2.40	3.97	▷	4.31	3.17	0.94	CO 12
				Max V _y	52.22	-2.38	2.74	▷	4.36	3.51	0.94	CO 9
				Min V _y	50.08	-2.85	4.32	▷	4.22	3.67	1.06	CO 8
				Max V _z	49.47	-2.85	4.72	▷	4.22	3.64	1.06	CO 6
				Min V _z	52.81	-2.38	2.35	▷	4.36	3.54	0.94	CO 13
				Max M _T	52.22	-2.38	2.74	▷	4.36	3.51	0.94	CO 9
				Min M _T	49.47	-2.85	4.72	▷	4.22	3.64	1.06	CO 6
				Max M _y	58.82	-2.84	3.08	▷	4.28	4.01	1.06	CO 1
				Min M _y	43.48	-2.40	3.97	▷	4.31	3.17	0.94	CO 12
				Max M _z	58.19	-2.84	3.50	▷	4.27	3.98	1.06	CO 5
				Min M _z	44.10	-2.40	3.57	▷	4.31	3.20	0.94	CO 14
		141	0.950	Max N	19.16	-5.23	7.89	▷	5.37	1.28	-0.15	CO 15
				Min N	7.66	-4.87	8.29	▷	5.13	0.40	-0.14	CO 26
				Max V _y	9.04	-4.87	7.99	▷	5.12	0.52	-0.14	CO 28
				Min V _y	17.72	-5.24	8.20	▷	5.38	1.16	-0.14	CO 19
				Max V _z	9.40	-5.21	9.01	▷	5.38	0.69	-0.13	CO 20
				Min V _z	17.36	-4.89	7.18	▷	5.11	0.99	-0.15	CO 27
				Max M _T	9.46	-5.21	9.00	▷	5.38	0.69	-0.13	CO 18
				Min M _T	17.36	-4.89	7.18	▷	5.11	0.99	-0.15	CO 27
				Max M _y	19.16	-5.23	7.89	▷	5.37	1.28	-0.15	CO 15
				Min M _y	7.66	-4.87	8.29	▷	5.13	0.40	-0.14	CO 26
				Max M _z	9.46	-5.21	9.00	▷	5.38	0.69	-0.13	CO 18
				Min M _z	17.36	-4.89	7.18	▷	5.11	0.99	-0.15	CO 27
	RC2	145	0.000	Max N	42.38	-2.04	2.06	▷	3.20	2.90	0.77	CO 15
				Min N	31.69	-1.71	2.64	▷	3.23	2.30	0.69	CO 26
				Max V _y	37.52	-1.70	1.81	▷	3.26	2.53	0.69	CO 23
				Min V _y	36.56	-2.05	2.89	▷	3.17	2.67	0.77	CO 22
				Max V _z	36.10	-2.05	3.19	▷	3.17	2.65	0.77	CO 20
				Min V _z	37.96	-1.70	1.52	▷	3.26	2.55	0.68	CO 27
				Max M _T	37.52	-1.70	1.81	▷	3.26	2.53	0.69	CO 23
				Min M _T	36.10	-2.05	3.19	▷	3.17	2.65	0.77	CO 20
				Max M _y	42.38	-2.04	2.06	▷	3.20	2.90	0.77	CO 15
				Min M _y	31.69	-1.71	2.64	▷	3.23	2.30	0.69	CO 26
				Max M _z	41.91	-2.03	2.37	▷	3.20	2.87	0.77	CO 19
				Min M _z	32.15	-1.71	2.34	▷	3.23	2.33	0.68	CO 28
		141	0.950	Max N	107.06	-4.90	-6.65	▷	4.81	8.79	-0.48	LC 1-4
				Min N	-81.47	-5.90	19.71	▷	5.97	-6.94	0.02	LC 1-5
				Max V _y	28.59	-2.03	7.08	▷	3.58	-0.76	0.64	LC 1-5
				Min V _y	-3.01	-8.77	5.97	▷	7.21	2.61	-1.10	LC 1-4
				Max V _z	-79.63	-5.29	19.95	▷	5.65	-7.34	0.18	LC 1-5
				Min V _z	105.22	-5.51	-6.90	▷	5.13	9.19	-0.64	LC 1-4
				Max M _T	-17.70	-8.71	8.11	▷	7.24	1.26	-1.03	LC 1-4
				Min M _T	43.29	-2.09	4.94	▷	3.54	0.59	0.56	LC 1-5
				Max M _y	101.82	-5.94	-6.76	▷	5.37	9.29	-0.75	LC 1-4
				Min M _y	-76.24	-4.86	19.81	▷	5.42	-7.45	0.29	LC 1-5
				Max M _z	1.33	-2.19	10.88	▷	3.76	-3.03	0.71	LC 1-5
				Min M _z	24.25	-8.61	2.18	▷	7.03	4.88	-1.17	LC 1-4
	RC6	145	0.000	Max N	85.50	-1.46	-12.54	▷	3.70	5.93	0.52	LC 1-4
				Min N	-22.30	-1.44	13.94	▷	3.15	-1.43	0.78	LC 1-5
				Max V _y	32.03	-0.97	2.95	▷	2.55	1.59	0.45	LC 1-5
				Min V _y	31.17	-1.93	-1.55	▷	4.30	2.91	0.85	LC 1-4
				Max V _z	-21.55	-1.37	14.11	▷	3.03	-1.48	0.74	LC 1-5
				Min V _z	84.75	-1.53	-12.71	▷	3.82	5.98	0.55	LC 1-4
				Max M _T	39.97	-1.91	-3.61	▷	4.34	3.48	0.81	LC 1-4
				Min M _T	23.23	-0.99	5.01	▷	2.51	1.01	0.48	LC 1-5
				Max M _y	84.62	-1.54	-12.71	▷	3.84	5.98	0.55	LC 1-4
				Min M _y	-21.42	-1.37	14.11	▷	3.02	-1.48	0.74	LC 1-5
				Max M _z	9.29	-1.87	4.32	▷	4.00	1.34	0.89	LC 1-5
				Min M _z	53.91	-1.03	-2.92	▷	2.86	3.16	0.40	LC 1-4
	RC1	146	0.000	Max N	-15.25	4.66	-23.63	▷	-6.53	-2.04	-0.10	CO 13
				Min N	-26.95	5.33	-30.04	▷	-7.61	-3.20	-0.16	CO 6
				Max V _y	-26.68	5.33	-30.01	▷	-7.62	-3.17	-0.16	CO 4
				Min V _y	-15.25	4.66	-23.63	▷	-6.53	-2.04	-0.10	CO 13
				Max V _z	-16.79	4.73	-23.57	▷	-6.57	-2.07	-0.10	CO 9
				Min V _z	-25.14	5.27	-30.07	▷	-7.58	-3.14	-0.16	CO 8
				Max M _T	-15.25	4.66	-23.63	▷	-6.53	-2.04	-0.10	CO 13
				Min M _T	-26.68	5.33	-30.01	▷	-7.62	-3.17	-0.16	CO 4
				Max M _y	-15.25	4.66	-23.63	▷	-6.53	-2.04	-0.10	CO 13
				Min M _y	-26.95	5.33	-30.04	▷	-7.61	-3.20	-0.16	CO 6
				Max M _z	-15.25	4.66	-23.63	▷	-6.53	-2.04	-0.10	CO 13
				Min M _z	-26.68	5.33	-30.01	▷	-7.62	-3.17	-0.16	CO 4
224	RC1	30	0.705	Max N	-79.28	27.42	-30.19	▷	-3.98	-10.48	-5.47	CO 13
				Min N	-106.04	31.75	-37.53	▷	-4.58	-13.94	-6.27	CO 6
				Max V _y	-105.73	31.75	-37.49	▷	-4.58	-13.90	-6.28	CO 4

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
224	RC1			Min V _y	-79.28	27.42	-30.19	-3.98	-10.48	-5.47	CO 13
				Max V _z	-80.81	27.50	-30.08	-4.02	-10.46	-5.53	CO 9
				Min V _z	-104.19	31.67	-37.60	-4.54	-13.92	-6.22	CO 8
				Max M _T	-79.28	27.42	-30.19	-3.98	-10.48	-5.47	CO 13
				Min M _T	-106.04	31.75	-37.53	-4.58	-13.94	-6.27	CO 6
				Max M _y	-80.81	27.50	-30.08	-4.02	-10.46	-5.53	CO 9
				Min M _y	-106.04	31.75	-37.53	-4.58	-13.94	-6.27	CO 6
				Max M _z	-79.28	27.42	-30.19	-3.98	-10.48	-5.47	CO 13
				Min M _z	-105.73	31.75	-37.49	-4.58	-13.90	-6.28	CO 4
		146	0.000	Max N	-10.67	3.42	-17.04	-4.82	-1.48	-0.07	CO 27
				Min N	-19.32	3.90	-21.77	-5.61	-2.33	-0.12	CO 20
				Max V _y	-19.12	3.90	-21.75	-5.61	-2.31	-0.12	CO 18
				Min V _y	-10.67	3.42	-17.04	-4.82	-1.48	-0.07	CO 27
				Max V _z	-11.81	3.47	-17.00	-4.85	-1.50	-0.08	CO 23
				Min V _z	-17.98	3.86	-21.79	-5.58	-2.29	-0.12	CO 22
				Max M _T	-10.67	3.42	-17.04	-4.82	-1.48	-0.07	CO 27
				Min M _T	-19.12	3.90	-21.75	-5.61	-2.31	-0.12	CO 18
				Max M _y	-10.67	3.42	-17.04	-4.82	-1.48	-0.07	CO 27
				Min M _y	-19.32	3.90	-21.77	-5.61	-2.33	-0.12	CO 20
				Max M _z	-10.67	3.42	-17.04	-4.82	-1.48	-0.07	CO 27
		30	0.705	Min M _z	-19.12	3.90	-21.75	-5.61	-2.31	-0.12	CO 18
				Max N	-57.01	20.21	-21.87	-2.94	-7.61	-4.04	CO 27
				Min N	-76.72	23.33	-27.28	-3.38	-10.15	-4.60	CO 20
				Max V _y	-76.49	23.33	-27.25	-3.37	-10.12	-4.61	CO 18
				Min V _y	-57.01	20.21	-21.87	-2.94	-7.61	-4.04	CO 27
				Max V _z	-58.15	20.27	-21.79	-2.97	-7.59	-4.08	CO 23
				Min V _z	-75.35	23.27	-27.33	-3.34	-10.14	-4.56	CO 22
				Max M _T	-57.01	20.21	-21.87	-2.94	-7.61	-4.04	CO 27
				Min M _T	-76.72	23.33	-27.28	-3.38	-10.15	-4.60	CO 20
				Max M _y	-58.15	20.27	-21.79	-2.97	-7.59	-4.08	CO 23
				Min M _y	-76.72	23.33	-27.28	-3.38	-10.15	-4.60	CO 20
				Max M _z	-57.01	20.21	-21.87	-2.94	-7.61	-4.04	CO 27
	RC6	146	0.000	Min M _z	-76.49	23.33	-27.25	-3.37	-10.12	-4.61	CO 18
				Max N	123.09	3.52	-2.33	-5.19	9.94	-0.34	LC 1-4
				Min N	-151.61	3.36	-32.87	-5.46	-13.97	0.09	LC 1-5
				Max V _y	-32.52	6.16	-18.97	-6.27	-1.35	-0.48	LC 1-5
				Min V _y	3.99	0.72	-16.23	-4.38	-2.68	0.24	LC 1-4
				Max V _z	122.96	3.57	-2.32	-5.21	9.96	-0.35	LC 1-4
				Min V _z	-151.49	3.31	-32.89	-5.44	-13.99	0.10	LC 1-5
				Max M _T	18.95	0.77	-14.52	-4.34	-1.29	0.20	LC 1-5
				Min M _T	-47.48	6.11	-20.68	-6.31	-2.74	-0.45	LC 1-4
				Max M _y	121.62	3.80	-2.43	-5.29	10.04	-0.38	LC 1-4
				Min M _y	-150.15	3.08	-32.77	-5.36	-14.07	0.13	LC 1-5
				Max M _z	-113.17	1.83	-29.02	-4.91	-11.93	0.26	LC 1-4
		30	0.705	Min M _z	84.64	5.05	-6.18	-5.74	7.90	-0.51	LC 1-5
				Max N	94.86	21.90	-3.26	-1.16	13.23	-7.34	LC 1-4
				Min N	-217.64	21.31	-42.18	-5.30	-30.58	-1.14	LC 1-5
				Max V _y	-79.96	23.72	-21.22	-4.58	-6.87	-6.50	LC 1-4
				Min V _y	-42.81	19.49	-24.22	-1.87	-10.47	-1.98	LC 1-5
				Max V _z	92.66	22.10	-3.05	-1.33	13.45	-7.60	LC 1-4
				Min V _z	-215.44	21.11	-42.40	-5.12	-30.80	-0.88	LC 1-5
				Max M _T	36.54	20.22	-13.93	-0.93	1.19	-3.93	LC 1-4
				Min M _T	-159.31	23.00	-31.51	-5.52	-18.53	-4.55	LC 1-5
				Max M _y	92.68	22.11	-3.05	-1.33	13.46	-7.61	LC 1-4
				Min M _y	-215.45	21.10	-42.39	-5.12	-30.81	-0.87	LC 1-5
				Max M _z	-188.61	20.39	-40.62	-4.30	-28.83	-0.36	LC 1-5
226	RC1	147	0.000	Min M _z	65.84	22.83	-4.83	-2.15	11.49	-8.12	LC 1-4
				Max N	42.06	4.25	-22.35	-5.46	3.39	0.74	CO 2
				Min N	35.59	3.08	-16.77	-4.51	2.95	0.65	CO 11
				Max V _y	40.26	4.26	-22.31	-5.48	3.31	0.75	CO 4
				Min V _y	37.40	3.07	-16.81	-4.48	3.03	0.64	CO 13
				Max V _z	35.79	3.08	-16.73	-4.51	2.97	0.65	CO 9
				Min V _z	41.87	4.25	-22.38	-5.46	3.37	0.74	CO 8
				Max M _T	37.40	3.07	-16.81	-4.48	3.03	0.64	CO 13
				Min M _T	40.26	4.26	-22.31	-5.48	3.31	0.75	CO 4
				Max M _y	41.56	4.24	-22.14	-5.37	3.53	0.72	CO 1
				Min M _y	36.10	3.10	-16.98	-4.60	2.82	0.67	CO 12
				Max M _z	40.06	4.26	-22.34	-5.48	3.29	0.75	CO 6
		146	0.705	Min M _z	37.40	3.07	-16.81	-4.48	3.03	0.64	CO 13
				Max N	-14.70	5.51	-22.23	-6.10	-2.09	0.12	CO 13
				Min N	-26.28	5.82	-27.77	-7.07	-3.26	0.14	CO 6
				Max V _y	-26.01	5.82	-27.74	-7.07	-3.24	0.13	CO 4
				Min V _y	-14.70	5.51	-22.23	-6.10	-2.09	0.12	CO 13
				Max V _z	-16.23	5.55	-22.15	-6.14	-2.12	0.12	CO 9
				Min V _z	-24.48	5.77	-27.81	-7.03	-3.20	0.14	CO 8
				Max M _T	-14.70	5.51	-22.23	-6.10	-2.09	0.12	CO 13
				Min M _T	-26.01	5.82	-27.74	-7.07	-3.24	0.13	CO 4
				Max M _y	-14.70	5.51	-22.23	-6.10	-2.09	0.12	CO 13
				Min M _y	-26.28	5.82	-27.77	-7.07	-3.26	0.14	CO 6
				Max M _z	-24.26	5.58	-27.60	-6.89	-3.03	0.15	CO 7
	RC2	147	0.000	Min M _z	-16.45	5.75	-22.37	-6.28	-2.29	0.11	CO 10
				Max N	30.80	3.07	-16.17	-4.03	2.47	0.54	CO 16
				Min N	26.06	2.21	-12.05	-3.33	2.14	0.47	CO 25
				Max V _y	29.46	3.08	-16.13	-4.04	2.41	0.54	CO 18
				Min V _y	27.40	2.20	-12.09	-3.31	2.20	0.47	CO 27
				Max V _z	26.21	2.21	-12.03	-3.33	2.15	0.47	CO 23
				Min V _z	30.65	3.07	-16.19	-4.02	2.46	0.54	CO 22
				Max M _T	27.40	2.20	-12.09	-3.31	2.20	0.47	CO 27
				Min M _T	29.46	3.08	-16.13	-4.04	2.41	0.54	CO 18
				Max M _y	30.46	3.06	-16.03	-3.96	2.56	0.52	CO 15
				Min M _y	26.40	2.22	-12.19	-3.39	2.05	0.49	CO 26
				Max M _z	29.32	3.08	-16.16	-4.04	2.40	0.54	CO 20



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
226	RC2	146	0.705	Min M _z	27.40	2.20	-12.09	-3.31	2.20	0.47	CO 27		
				Max N	-10.27	4.12	-16.11	-4.50	-1.52	0.09	CO 27		
				Min N	-18.82	4.33	-20.19	-5.21	-2.38	0.10	CO 20		
				Max V _y	-18.63	4.33	-20.17	-5.21	-2.36	0.10	CO 18		
				Min V _y	-10.27	4.12	-16.11	-4.50	-1.52	0.09	CO 27		
				Max V _z	-11.40	4.15	-16.05	-4.53	-1.54	0.08	CO 23		
				Min V _z	-17.49	4.30	-20.22	-5.18	-2.34	0.10	CO 22		
				Max M _T	-10.27	4.12	-16.11	-4.50	-1.52	0.09	CO 27		
				Min M _T	-18.63	4.33	-20.17	-5.21	-2.36	0.10	CO 18		
				Max M _y	-10.27	4.12	-16.11	-4.50	-1.52	0.09	CO 27		
				Min M _y	-18.82	4.33	-20.19	-5.21	-2.38	0.10	CO 20		
				Max M _z	-17.35	4.17	-20.08	-5.08	-2.22	0.10	CO 21		
	RC6	147	0.000	Min M _z	-11.55	4.28	-16.20	-4.63	-1.66	0.08	CO 24		
				Max N	127.65	2.46	2.96	-4.16	9.59	0.37	LC 1-4		
				Min N	-76.04	2.28	-28.62	-3.62	-5.58	0.56	LC 1-5		
				Max V _y	21.60	2.78	-12.47	-4.55	2.45	0.57	LC 1-4		
				Min V _y	30.01	1.95	-13.18	-3.22	1.55	0.36	LC 1-5		
				Max V _z	127.46	2.47	2.99	-4.18	9.60	0.37	LC 1-4		
				Min V _z	-75.84	2.26	-28.64	-3.59	-5.59	0.56	LC 1-5		
				Max M _T	26.91	1.96	-13.72	-3.21	1.34	0.37	LC 1-5		
				Min M _T	24.70	2.78	-11.93	-4.57	2.67	0.56	LC 1-4		
				Max M _y	127.38	2.48	2.97	-4.19	9.61	0.38	LC 1-4		
				Min M _y	-75.76	2.25	-28.62	-3.58	-5.60	0.56	LC 1-5		
				Max M _z	-31.21	2.68	-20.83	-4.30	-1.60	0.61	LC 1-4		
				Min M _z	82.83	2.06	-4.82	-3.48	5.61	0.32	LC 1-5		
				146	0.705	Max N	122.37	4.46	-0.99	-4.67	10.21	-0.47	LC 1-4
						Min N	-149.99	4.59	-32.88	-5.24	-14.34	0.57	LC 1-5
						Max V _y	-34.21	6.24	-17.99	-6.10	-1.90	-0.38	LC 1-4
		Min V _y	6.59			2.81	-15.89	-3.81	-2.23	0.48	LC 1-5		
		Max V _z	122.06			4.53	-0.96	-4.71	10.26	-0.49	LC 1-4		
		Min V _z	-149.68			4.52	-32.91	-5.19	-14.40	0.59	LC 1-5		
		Max M _T	31.44			2.86	-12.95	-3.78	0.08	0.37	LC 1-5		
		Min M _T	-59.06			6.20	-20.93	-6.12	-4.21	-0.27	LC 1-4		
		Max M _y	121.27			4.61	-1.00	-4.77	10.29	-0.51	LC 1-4		
		Min M _y	-148.89			4.44	-32.87	-5.14	-14.42	0.61	LC 1-5		
		Max M _z	-121.77			3.73	-30.38	-4.63	-12.89	0.74	LC 1-4		
		Min M _z	94.15			5.33	-3.49	-5.28	8.76	-0.63	LC 1-5		
		228	RC1	148	0.000	Max N	80.64	4.54	-10.40	-3.29	6.55	1.02	CO 2
						Min N	65.34	2.47	-7.22	-2.35	5.36	0.77	CO 11
						Max V _y	78.63	4.54	-10.38	-3.30	6.45	1.02	CO 6
Min V _y	67.24					2.47	-7.27	-2.34	5.45	0.77	CO 13		
Max V _z	65.46					2.47	-7.19	-2.35	5.37	0.77	CO 9		
Min V _z	80.52					4.54	-10.43	-3.28	6.54	1.02	CO 8		
Max M _T	67.24					2.47	-7.27	-2.34	5.45	0.77	CO 13		
Min M _T	78.74					4.54	-10.35	-3.30	6.46	1.02	CO 4		
Max M _y	79.52					4.53	-10.17	-3.25	6.63	1.00	CO 1		
Min M _y	66.47					2.48	-7.45	-2.39	5.28	0.79	CO 12		
Max M _z	78.63					4.54	-10.38	-3.30	6.45	1.02	CO 6		
Min M _z	67.24					2.47	-7.27	-2.34	5.45	0.77	CO 13		
147	0.705			Max N	42.35	0.28	-16.51	-5.52	3.35	0.90	CO 2		
				Min N	35.83	1.15	-13.41	-4.67	2.92	0.77	CO 11		
				Max V _y	36.53	1.18	-13.59	-4.76	2.80	0.79	CO 10		
				Min V _y	41.66	0.25	-16.33	-5.43	3.47	0.88	CO 7		
				Max V _z	36.03	1.15	-13.37	-4.67	2.94	0.77	CO 9		
				Min V _z	42.15	0.28	-16.54	-5.52	3.34	0.90	CO 8		
				Max M _T	37.64	1.14	-13.45	-4.65	3.00	0.76	CO 13		
				Min M _T	40.55	0.29	-16.46	-5.55	3.27	0.91	CO 4		
				Max M _y	41.85	0.25	-16.29	-5.43	3.49	0.87	CO 1		
				Min M _y	36.33	1.18	-13.62	-4.76	2.79	0.79	CO 12		
				Max M _z	40.35	0.29	-16.49	-5.54	3.26	0.91	CO 6		
				Min M _z	37.64	1.14	-13.45	-4.65	3.00	0.76	CO 13		
RC2	148		0.000	Max N	58.93	3.24	-7.53	-2.42	4.78	0.74	CO 16		
				Min N	47.70	1.72	-5.19	-1.73	3.89	0.56	CO 25		
				Max V _y	57.52	3.24	-7.49	-2.43	4.71	0.74	CO 18		
				Min V _y	49.11	1.72	-5.23	-1.72	3.96	0.56	CO 27		
				Max V _z	47.79	1.72	-5.17	-1.73	3.90	0.56	CO 23		
				Min V _z	58.84	3.24	-7.55	-2.42	4.77	0.74	CO 22		
				Max M _T	49.11	1.72	-5.23	-1.72	3.96	0.56	CO 27		
				Min M _T	57.52	3.24	-7.49	-2.43	4.71	0.74	CO 18		
	147		0.705	Max M _y	58.17	3.23	-7.38	-2.39	4.83	0.72	CO 15		
				Min M _y	48.45	1.73	-5.35	-1.76	3.84	0.58	CO 26		
				Max M _z	57.43	3.24	-7.52	-2.43	4.70	0.74	CO 20		
				Min M _z	49.11	1.72	-5.23	-1.72	3.96	0.56	CO 27		
				Max N	31.02	0.30	-12.08	-4.06	2.44	0.66	CO 16		
				Min N	26.24	0.94	-9.79	-3.44	2.11	0.56	CO 25		
				Max V _y	26.73	0.96	-9.91	-3.50	2.03	0.58	CO 24		
				Min V _y	30.54	0.28	-11.96	-4.00	2.52	0.64	CO 21		
RC6	148	0.000	Max V _z	26.39	0.94	-9.77	-3.44	2.12	0.56	CO 23			
			Min V _z	30.87	0.30	-12.10	-4.06	2.43	0.66	CO 22			
			Max M _T	27.58	0.93	-9.83	-3.42	2.17	0.56	CO 27			
			Min M _T	29.68	0.30	-12.04	-4.08	2.38	0.66	CO 18			
			Max M _y	30.68	0.28	-11.93	-4.00	2.53	0.64	CO 15			
			Min M _y	26.58	0.96	-9.94	-3.50	2.02	0.58	CO 26			
			Max M _z	29.53	0.30	-12.07	-4.08	2.37	0.66	CO 20			
			Min M _z	27.58	0.93	-9.83	-3.42	2.17	0.56	CO 27			
	148	0.000	Max N	111.40	2.34	10.23	-2.72	8.30	0.64	LC 1-4			
			Min N	-11.19	2.18	-22.33	-1.85	-0.24	0.63	LC 1-5			
			Max V _y	49.72	2.44	-4.94	-2.41	4.33	0.80	LC 1-4			
			Min V _y	50.49	2.08	-7.15	-2.16	3.73	0.46	LC 1-5			
			Max V _z	111.20	2.34	10.28	-2.72	8.29	0.64	LC 1-4			
			Min V _z	-10.99	2.17	-22.37	-1.85	-0.24	0.62	LC 1-5			
			Max M _T	-4.89	2.15	-21.02	-1.81	0.14	0.60	LC 1-5			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
228	RC6	147	0.705	Min M _T	105.10	2.37	8.92	▷ -2.76	7.91	0.67	LC 1-4
				Max M _y	111.30	2.34	10.24	▷ -2.72	8.30	0.64	LC 1-4
				Min M _y	-11.09	2.17	-22.33	▷ -1.85	-0.25	0.62	LC 1-5
				Max M _z	42.59	2.43	-6.72	▷ -2.34	3.86	0.81	LC 1-5
				Min M _z	57.62	2.09	-5.38	▷ -2.22	4.20	0.45	LC 1-4
				Max N	127.39	0.91	5.41	▷ -4.10	9.69	0.43	LC 1-4
				Min N	-75.32	1.21	-26.95	▷ -3.58	-5.76	0.69	LC 1-5
				Max V _y	-17.76	▷ 1.48	-16.81	▷ -4.37	-0.62	0.71	LC 1-4
				Min V _y	69.84	▷ 0.65	-4.73	▷ -3.30	4.55	0.41	LC 1-5
				Max V _z	127.20	0.92	▷ 5.44	▷ -4.12	9.70	0.43	LC 1-4
				Min V _z	-75.12	1.20	▷ -26.98	▷ -3.55	-5.77	0.69	LC 1-5
				Max M _T	27.79	0.70	-11.61	▷ -3.15	1.30	0.46	LC 1-5
				Min M _T	24.29	1.43	▷ -9.94	▷ -4.53	2.62	0.66	LC 1-4
				Max M _y	127.09	0.93	5.42	▷ -4.13	9.71	0.43	LC 1-4
				Min M _y	-75.01	1.20	-26.96	▷ -3.54	-5.78	0.69	LC 1-5
				Max M _z	-33.12	1.46	-19.36	▷ -4.24	-1.88	0.72	LC 1-4
				Min M _z	85.19	0.67	-2.19	▷ -3.43	5.81	0.40	LC 1-5
230	RC1	150	0.000	Max N	14.30	-0.61	19.46	▷ 4.93	2.03	0.96	CO 8
				Min N	6.99	-1.55	17.47	▷ 4.55	1.37	0.70	CO 9
				Max V _y	11.44	▷ -0.58	19.77	▷ 4.89	1.91	0.96	CO 7
				Min V _y	9.85	▷ -1.57	17.17	▷ 4.59	1.49	0.70	CO 10
				Max V _z	8.74	-0.59	▷ 19.91	▷ 4.91	1.77	0.96	CO 3
				Min V _z	12.55	-1.57	▷ 17.02	▷ 4.57	1.63	0.70	CO 14
				Max M _T	11.71	-0.61	19.58	▷ 4.95	1.89	0.97	CO 6
				Min M _T	9.70	-1.54	17.33	▷ 4.53	1.51	0.70	CO 13
				Max M _y	14.30	-0.61	19.46	▷ 4.93	2.03	0.96	CO 8
				Min M _y	6.99	-1.55	17.47	▷ 4.55	1.37	0.70	CO 9
				Max M _z	11.71	-0.61	19.58	▷ 4.95	1.89	0.97	CO 6
				Min M _z	9.70	-1.54	17.33	▷ 4.53	1.51	0.70	CO 13
		154	0.705	Max N	60.36	-3.89	13.71	▷ 3.50	5.35	1.22	CO 8
				Min N	46.95	-2.14	11.63	▷ 2.65	4.34	0.96	CO 9
				Max V _y	49.29	▷ -2.13	11.50	▷ 2.64	4.45	0.96	CO 13
				Min V _y	58.05	▷ -3.89	13.81	▷ 3.50	5.23	1.23	CO 6
				Max V _z	55.73	-3.88	▷ 14.12	▷ 3.48	5.19	1.22	CO 3
				Min V _z	51.58	-2.15	▷ 11.22	▷ 2.66	4.50	0.97	CO 14
				Max M _T	58.05	-3.89	13.81	▷ 3.50	5.23	1.23	CO 6
				Min M _T	49.29	-2.13	▷ 11.50	▷ 2.64	4.45	0.96	CO 13
				Max M _y	60.32	-3.89	13.74	▷ 3.50	5.35	1.22	CO 2
				Min M _y	46.99	-2.14	11.60	▷ 2.65	4.34	0.96	CO 11
				Max M _z	58.05	-3.89	13.81	▷ 3.50	5.23	1.23	CO 6
				Min M _z	49.29	-2.13	11.50	▷ 2.64	4.45	0.96	CO 13
	RC2	150	0.000	Max N	10.58	-0.48	14.27	▷ 3.63	1.49	0.70	CO 22
				Min N	5.38	-1.18	12.77	▷ 3.35	1.01	0.51	CO 23
				Max V _y	8.67	▷ -0.47	14.47	▷ 3.60	1.41	0.70	CO 21
				Min V _y	7.28	▷ -1.20	12.57	▷ 3.37	1.09	0.51	CO 24
				Max V _z	6.67	-0.47	▷ 14.58	▷ 3.61	1.31	0.71	CO 17
				Min V _z	9.28	-1.19	▷ 12.46	▷ 3.36	1.20	0.51	CO 28
				Max M _T	8.66	-0.49	▷ 14.35	▷ 3.64	1.39	0.71	CO 20
				Min M _T	7.38	-1.17	12.66	▷ 3.33	1.12	0.51	CO 27
				Max M _y	10.58	-0.48	14.27	▷ 3.63	1.49	0.70	CO 22
				Min M _y	5.38	-1.18	12.77	▷ 3.35	1.01	0.51	CO 23
				Max M _z	8.66	-0.49	14.35	▷ 3.64	1.39	0.71	CO 20
				Min M _z	7.38	-1.17	12.66	▷ 3.33	1.12	0.51	CO 27
		154	0.705	Max N	44.28	-2.82	9.99	▷ 2.55	3.92	0.90	CO 22
				Min N	34.52	-1.52	8.44	▷ 1.93	3.18	0.70	CO 23
				Max V _y	36.26	▷ -1.51	8.34	▷ 1.92	3.26	0.70	CO 27
				Min V _y	42.58	-2.82	10.07	▷ 2.56	3.84	0.90	CO 20
				Max V _z	41.03	-2.81	▷ 10.28	▷ 2.55	3.81	0.89	CO 17
				Min V _z	37.78	-1.53	▷ 8.16	▷ 1.94	3.29	0.71	CO 28
				Max M _T	42.58	-2.82	10.07	▷ 2.56	3.84	0.90	CO 20
				Min M _T	36.26	-1.51	8.34	▷ 1.92	3.26	0.70	CO 27
				Max M _y	44.25	-2.82	10.02	▷ 2.55	3.92	0.90	CO 16
				Min M _y	34.55	-1.52	8.42	▷ 1.93	3.17	0.70	CO 25
				Max M _z	42.58	-2.82	10.07	▷ 2.56	3.84	0.90	CO 20
				Min M _z	36.26	-1.51	8.34	▷ 1.92	3.26	0.70	CO 27
	RC6	150	0.000	Max N	74.27	-0.41	-3.37	▷ 3.27	5.60	0.46	LC 1-4
				Min N	-57.26	-1.16	29.37	▷ 3.56	-3.06	0.81	LC 1-5
				Max V _y	23.40	▷ -0.15	11.55	▷ 2.13	1.78	0.57	LC 1-5
				Min V _y	-6.39	▷ -1.41	14.45	▷ 4.70	0.76	0.70	LC 1-4
				Max V _z	-56.35	-1.10	▷ 29.59	▷ 3.45	-3.05	0.80	LC 1-4
				Min V _z	73.35	-0.46	▷ -3.60	▷ 3.38	5.59	0.47	LC 1-5
				Max M _T	5.33	-1.30	11.83	▷ 4.99	1.62	0.66	LC 1-4
				Min M _T	11.68	-0.27	14.17	▷ 1.84	0.92	0.61	LC 1-5
				Max M _y	73.94	-0.45	-3.48	▷ 3.39	5.63	0.47	LC 1-4
				Min M _y	-56.93	-1.11	29.48	▷ 3.44	-3.09	0.80	LC 1-5
				Max M _z	-55.89	-1.22	28.70	▷ 3.71	-2.92	0.81	LC 1-5
				Min M _z	72.90	-0.34	-2.70	▷ 3.12	5.46	0.46	LC 1-4
		154	0.705	Max N	64.66	-2.50	-6.86	▷ 2.22	4.93	0.74	LC 1-4
				Min N	12.62	-1.90	24.15	▷ 2.27	1.98	0.89	LC 1-5
				Max V _y	29.85	▷ -1.47	14.67	▷ 1.61	2.60	0.65	LC 1-5
				Min V _y	47.43	▷ -2.93	2.61	▷ 2.89	4.30	0.97	LC 1-4
				Max V _z	14.19	-1.89	▷ 24.90	▷ 2.11	2.04	0.86	LC 1-4
				Min V _z	63.09	-2.51	▷ -7.62	▷ 2.38	4.86	0.76	LC 1-5
				Max M _T	38.21	-2.70	5.49	▷ 3.14	3.76	0.99	LC 1-4
				Min M _T	39.07	-1.70	11.80	▷ 1.35	3.15	0.63	LC 1-5
				Max M _y	64.24	-2.58	-7.03	▷ 2.34	4.96	0.77	LC 1-4
				Min M _y	13.04	-1.82	24.31	▷ 2.15	1.94	0.86	LC 1-5
				Max M _z	33.81	-2.77	9.03	▷ 3.05	3.53	1.02	LC 1-5
				Min M _z	43.47	-1.63	8.25	▷ 1.45	3.37	0.60	LC 1-4
233	RC1	152	0.000	Max N	-41.75	-4.87	20.90	▷ 5.98	-2.26	-0.39	CO 14
				Min N	-54.17	-4.46	23.98	▷ 6.78	-2.94	-0.21	CO 3
				Max V _y	-51.10	▷ -4.42	23.81	▷ 6.75	-2.76	-0.22	CO 7



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases				
				N	V _y	V _z	M _T	M _y	M _z						
233	RC1	150	0.705	Min V _y	-44.81	▷	-4.90	21.07	6.01	-2.44	-0.39	CO 10			
				Max V _z	-54.17	▷	-4.46	23.98	6.78	-2.94	-0.21	CO 3			
				Min V _z	-41.75	▷	-4.87	20.90	5.98	-2.26	-0.39	CO 14			
				Max M _T	-50.53	▷	-4.48	23.55	6.83	-2.71	-0.24	CO 6			
				Min M _T	-45.20	▷	-4.84	21.29	5.93	-2.48	-0.37	CO 13			
				Max M _y	-41.75	▷	-4.87	20.90	5.98	-2.26	-0.39	CO 14			
				Min M _y	-54.17	▷	-4.46	23.98	6.78	-2.94	-0.21	CO 3			
				Max M _z	-53.98	▷	-4.45	23.94	6.78	-2.93	-0.21	CO 5			
				Min M _z	-41.75	▷	-4.87	20.90	5.98	-2.26	-0.39	CO 14			
				Max N	14.69	▷	-3.93	20.87	6.09	1.94	0.90	CO 8			
				Min N	6.96	▷	-2.54	18.33	4.81	1.37	0.69	CO 9			
				Max V _y	9.67	▷	-2.53	18.19	4.79	1.51	0.69	CO 13			
				Min V _y	11.99	▷	-3.93	21.02	6.11	1.79	0.91	CO 4			
				Max V _z	9.13	▷	-3.90	21.33	6.07	1.67	0.91	CO 3			
				Min V _z	12.52	▷	-2.56	17.88	4.83	1.63	0.69	CO 14			
				Max M _T	12.10	▷	-3.93	20.99	6.11	1.80	0.91	CO 6			
				Min M _T	9.67	▷	-2.53	18.19	4.79	1.51	0.69	CO 13			
				Max M _y	14.69	▷	-3.93	20.87	6.09	1.94	0.90	CO 8			
				Min M _y	6.96	▷	-2.54	18.33	4.81	1.37	0.69	CO 9			
				Max M _z	12.10	▷	-3.93	20.99	6.11	1.80	0.91	CO 6			
	Min M _z	9.67	▷	-2.53	18.19	4.79	1.51	0.69	CO 13						
	RC2	152	0.000	Max N	▷	-30.44	-3.61	15.30	4.40	-1.64	-0.29	CO 28			
				Min N	▷	-39.38	-3.31	17.55	4.99	-2.13	-0.16	CO 17			
				Max V _y	▷	-37.11	-3.28	17.42	4.96	-1.99	-0.16	CO 21			
				Min V _y	▷	-32.70	-3.63	15.43	4.42	-1.78	-0.29	CO 24			
				Max V _z	▷	-39.38	-3.31	17.55	4.99	-2.13	-0.16	CO 17			
				Min V _z	▷	-30.44	-3.61	15.30	4.40	-1.64	-0.29	CO 28			
				Max M _T	▷	-36.94	-3.32	17.27	5.02	-1.98	-0.18	CO 20			
				Min M _T	▷	-32.74	-3.59	15.56	4.36	-1.79	-0.28	CO 27			
				Max M _y	▷	-30.44	-3.61	15.30	4.40	-1.64	-0.29	CO 28			
				Min M _y	▷	-39.38	-3.31	17.55	4.99	-2.13	-0.16	CO 17			
				Max M _z	▷	-39.24	-3.30	17.52	4.99	-2.12	-0.16	CO 19			
				Min M _z	▷	-30.44	-3.61	15.30	4.40	-1.64	-0.29	CO 28			
				150	0.705	Max N	▷	10.86	-2.86	15.26	4.47	1.43	0.66	CO 22	
						Min N	▷	5.35	-1.84	13.35	3.52	1.01	0.51	CO 23	
						Max V _y	▷	7.35	-1.83	13.24	3.51	1.12	0.50	CO 27	
						Min V _y	▷	8.86	-2.87	15.36	4.48	1.32	0.67	CO 18	
						Max V _z	▷	6.96	-2.85	15.57	4.45	1.24	0.67	CO 17	
						Min V _z	▷	9.26	-1.85	13.04	3.53	1.20	0.50	CO 28	
						Max M _T	▷	8.94	-2.87	15.34	4.48	1.32	0.67	CO 20	
						Min M _T	▷	7.35	-1.83	13.24	3.51	1.12	0.50	CO 27	
		Max M _y	▷			10.86	-2.86	15.26	4.47	1.43	0.66	CO 22			
		Min M _y	▷			5.35	-1.84	13.35	3.52	1.01	0.51	CO 23			
		Max M _z	▷			8.94	-2.87	15.34	4.48	1.32	0.67	CO 20			
		Min M _z	▷			7.35	-1.83	13.24	3.51	1.12	0.50	CO 27			
		RC6	152			0.000	Max N	▷	70.24	-2.63	-0.62	3.92	6.09	-0.52	LC 1-4
							Min N	▷	-135.06	-4.02	31.80	5.44	-9.53	0.13	LC 1-5
							Max V _y	▷	-16.97	-2.01	15.49	2.61	-1.45	0.24	LC 1-5
							Min V _y	▷	-47.85	-4.65	15.69	6.76	-1.98	-0.63	LC 1-4
							Max V _z	▷	-133.86	-3.93	32.06	5.27	-9.52	0.15	LC 1-4
							Min V _z	▷	69.04	-2.72	-0.89	4.09	6.09	-0.54	LC 1-5
							Max M _T	▷	-45.62	-4.62	15.12	6.79	-1.79	-0.63	LC 1-4
							Min M _T	▷	-19.20	-2.03	16.06	2.58	-1.64	0.25	LC 1-5
				Max M _y	▷		69.81	-2.71	-0.75	4.07	6.13	-0.55	LC 1-4		
				Min M _y	▷		-134.63	-3.94	31.93	5.30	-9.56	0.16	LC 1-5		
				Max M _z	▷		-75.75	-2.50	24.42	3.20	-5.85	0.40	LC 1-5		
				Min M _z	▷		10.93	-4.15	6.76	6.17	2.41	-0.79	LC 1-4		
				150	0.705		Max N	▷	74.64	-2.64	-1.98	3.79	5.51	0.45	LC 1-4
							Min N	▷	-57.18	-2.22	28.91	4.36	-3.07	0.76	LC 1-5
							Max V _y	▷	-7.51	-1.52	17.70	2.99	-0.42	0.60	LC 1-5
Min V _y							▷	24.97	-3.34	9.23	5.17	2.86	0.60	LC 1-4	
Max V _z	▷						-55.74	-2.22	29.28	4.25	-3.00	0.75	LC 1-4		
Min V _z	▷						73.20	-2.63	-2.35	3.91	5.43	0.45	LC 1-5		
Max M _T	▷						1.17	-3.15	13.30	5.48	1.30	0.66	LC 1-4		
Min M _T	▷						16.29	-1.70	13.63	2.68	1.13	0.55	LC 1-5		
Max M _y	▷	74.26	-2.71			-2.02	3.90	5.54	0.45	LC 1-4					
Min M _y	▷	-56.80	-2.15			28.95	4.25	-3.10	0.75	LC 1-5					
Max M _z	▷	-54.23	-2.45			27.99	4.67	-2.73	0.76	LC 1-5					
Min M _z	▷	71.69	-2.41			-1.06	3.48	5.17	0.44	LC 1-4					
RC1	154	0.000	Max N			▷	61.06	0.99	11.86	2.11	5.25	1.23	CO 8		
			Min N			▷	48.08	-0.47	10.62	2.26	4.15	0.88	CO 9		
			Max V _y			▷	58.77	1.01	12.14	2.09	5.20	1.22	CO 7		
			Min V _y			▷	50.36	-0.49	10.35	2.28	4.20	0.88	CO 10		
			Max V _z			▷	56.43	1.01	12.27	2.10	5.09	1.23	CO 3		
			Min V _z			▷	52.71	-0.49	10.22	2.28	4.31	0.88	CO 14		
			Max M _T			▷	50.40	-0.49	10.32	2.28	4.20	0.89	CO 12		
			Min M _T			▷	58.73	1.01	12.17	2.09	5.21	1.22	CO 1		
			Max M _y	▷	61.02	0.99	11.89	2.11	5.25	1.23	CO 2				
			Min M _y	▷	48.12	-0.47	10.59	2.27	4.15	0.88	CO 11				
			Max M _z	▷	58.75	0.99	11.97	2.12	5.13	1.24	CO 6				
			Min M _z	▷	50.42	-0.47	10.49	2.26	4.27	0.87	CO 13				
			100	0.705	Max N	▷	83.97	-3.21	4.93	0.50	6.86	1.20	CO 2		
					Min N	▷	67.22	-1.19	3.64	0.23	5.63	0.87	CO 11		
					Max V _y	▷	69.27	-1.18	3.54	0.23	5.73	0.87	CO 13		
					Min V _y	▷	81.89	-3.22	5.00	0.50	6.75	1.21	CO 6		
					Max V _z	▷	80.21	-3.21	5.28	0.50	6.78	1.19	CO 3		
					Min V _z	▷	70.98	-1.19	3.29	0.23	5.71	0.88	CO 14		
					Max M _T	▷	82.23	-3.20	5.16	0.51	6.87	1.19	CO 7		
					Min M _T	▷	68.97	-1.20	3.42	0.22	5.62	0.89	CO 10		
Max M _y	▷	82.26			-3.20	5.18	0.51	6.88	1.19	CO 1					
Min M _y	▷	68.94			-1.20	3.39	0.22	5.61	0.89	CO 12					
Max M _z	▷	81.89			-3.22	5.00	0.50	6.75	1.21	CO 6					

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]						Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z				
236	RC1	154	0.000	Min M _z	69.27	-1.18	3.54	0.23	5.73	0.87	CO 13		
	Max N			44.81	0.68	8.69	1.56	3.85	0.90	CO 22			
	Min N			35.37	-0.40	7.75	1.67	3.04	0.64	CO 23			
	Max V _y			43.29	0.69	8.88	1.54	3.82	0.90	CO 21			
	Min V _y			36.89	-0.42	7.57	1.68	3.07	0.64	CO 24			
	Max V _z			41.55	0.69	8.97	1.55	3.73	0.90	CO 17			
	Min V _z			38.63	-0.41	7.48	1.68	3.15	0.64	CO 28			
	Max M _T			36.92	-0.41	7.55	1.69	3.07	0.64	CO 26			
	Min M _T			43.26	0.69	8.90	1.54	3.82	0.90	CO 15			
	Max M _y			44.78	0.68	8.72	1.56	3.85	0.90	CO 16			
	Min M _y			35.40	-0.40	7.73	1.67	3.04	0.64	CO 25			
	Max M _z			43.10	0.68	8.77	1.56	3.76	0.90	CO 20			
	Min M _z			37.10	-0.40	7.66	1.67	3.12	0.63	CO 27			
	100			0.705	Max N	61.52	-2.31	3.56	0.35	5.02	0.88	CO 16	
					Min N	49.25	-0.81	2.58	0.15	4.11	0.64	CO 25	
					Max V _y	50.77	-0.81	2.51	0.15	4.19	0.63	CO 27	
					Min V _y	59.98	-2.32	3.61	0.34	4.94	0.89	CO 20	
					Max V _z	58.86	-2.31	3.80	0.35	4.96	0.88	CO 17	
					Min V _z	51.91	-0.81	2.34	0.15	4.17	0.64	CO 28	
					Max M _T	60.35	-2.30	3.70	0.35	5.03	0.87	CO 21	
					Min M _T	50.42	-0.82	2.44	0.14	4.10	0.65	CO 24	
					Max M _y	60.38	-2.30	3.72	0.35	5.03	0.87	CO 15	
					Min M _y	50.39	-0.82	2.42	0.14	4.10	0.65	CO 26	
					Max M _z	59.98	-2.32	3.61	0.34	4.94	0.89	CO 20	
					Min M _z	50.77	-0.81	2.51	0.15	4.19	0.63	CO 27	
	RC6	154	0.000	Max N	65.10	0.40	-8.49	1.66	4.89	0.68	LC 1-4		
	Min N			13.41	-0.03	24.33	1.36	1.82	0.91	LC 1-5			
	Max V _y			59.71	0.47	-3.96	1.36	4.48	0.68	LC 1-5			
	Min V _y			18.79	-0.10	19.80	1.66	2.23	0.91	LC 1-4			
	Max V _z			14.68	0.01	24.94	1.21	1.86	0.89	LC 1-4			
	Min V _z			63.83	0.36	-9.10	1.81	4.85	0.70	LC 1-5			
	Max M _T			43.40	0.09	2.17	2.59	3.91	0.89	LC 1-4			
	Min M _T			35.10	0.29	13.67	0.43	2.81	0.70	LC 1-5			
	Max M _y			64.78	0.38	-8.79	1.79	4.92	0.69	LC 1-4			
	Min M _y			13.73	-0.00	24.63	1.23	1.80	0.90	LC 1-5			
	Max M _z			16.60	-0.02	21.37	1.76	2.12	0.95	LC 1-5			
	Min M _z			61.91	0.39	-5.53	1.26	4.60	0.64	LC 1-4			
	100			0.705	Max N	71.93	-1.35	19.12	-0.19	5.80	0.78	LC 1-4	
					Min N	35.54	-1.98	-13.65	0.52	3.01	0.82	LC 1-5	
					Max V _y	64.25	-1.14	10.01	-0.20	4.93	0.61	LC 1-4	
					Min V _y	43.22	-2.19	-4.54	0.53	3.88	0.99	LC 1-5	
					Max V _z	71.39	-1.36	19.48	-0.18	5.78	0.80	LC 1-4	
					Min V _z	36.08	-1.97	-14.02	0.50	3.02	0.80	LC 1-5	
					Max M _T	42.21	-2.04	-5.51	0.67	3.82	0.96	LC 1-4	
					Min M _T	65.26	-1.30	10.98	-0.34	4.98	0.64	LC 1-5	
					Max M _y	71.60	-1.40	19.09	-0.15	5.82	0.80	LC 1-4	
					Min M _y	35.88	-1.94	-13.63	0.48	2.99	0.80	LC 1-5	
					Max M _z	47.92	-2.08	1.77	0.49	4.32	1.02	LC 1-5	
					Min M _z	59.55	-1.25	3.69	-0.16	4.48	0.58	LC 1-4	
	238			RC1	33	0.000	Max N	-74.38	-60.98	50.89	-23.27	-93.08	32.59
		Min N	-85.92	-46.70			51.19	-21.52	-91.02	34.72	CO 3		
		Max V _y	-85.92	-46.70			51.19	-21.52	-91.02	34.72	CO 3		
Min V _y		-74.38	-60.98	50.89			-23.27	-93.08	32.59	CO 14			
Max V _z		-76.81	-59.17	51.87			-23.51	-93.69	33.22	CO 10			
Min V _z		-83.49	-48.51	50.21			-21.28	-90.42	34.09	CO 7			
Max M _T		-83.56	-48.33	50.24			-21.27	-90.53	34.16	CO 1			
Min M _T		-76.74	-59.35	51.84			-23.52	-93.58	33.16	CO 12			
Max M _y		-83.49	-48.51	50.21			-21.28	-90.42	34.09	CO 7			
Min M _y		-76.81	-59.17	51.87			-23.51	-93.69	33.22	CO 10			
Max M _z		-85.92	-46.70	51.19			-21.52	-91.02	34.72	CO 3			
Min M _z		-74.38	-60.98	50.89			-23.27	-93.08	32.59	CO 14			
155		2.700	Max N	4.84			2.10	6.58	-0.84	-0.56	-0.06	CO 10	
			Min N	4.78			2.03	6.44	-0.83	-0.55	-0.06	CO 7	
			Max V _y	4.84			2.10	6.58	-0.84	-0.56	-0.06	CO 10	
			Min V _y	4.78			2.03	6.44	-0.83	-0.55	-0.06	CO 7	
			Max V _z	4.84			2.10	6.58	-0.84	-0.56	-0.06	CO 10	
			Min V _z	4.78			2.03	6.44	-0.83	-0.55	-0.06	CO 7	
			Max M _T	4.79			2.03	6.45	-0.83	-0.55	-0.06	CO 5	
			Min M _T	4.84			2.10	6.58	-0.84	-0.56	-0.06	CO 10	
			Max M _y	4.79			2.03	6.45	-0.83	-0.55	-0.06	CO 5	
			Min M _y	4.84			2.10	6.58	-0.84	-0.56	-0.06	CO 10	
			Max M _z	4.83			2.08	6.55	-0.84	-0.56	-0.06	CO 9	
			Min M _z	4.79			2.06	6.48	-0.83	-0.55	-0.06	CO 6	
RC2		33	0.000	Max N			-52.57	-42.45	35.93	-16.21	-65.40	22.95	CO 28
Min N				-60.61	-32.60	36.18	-15.02	-63.99	24.44	CO 17			
Max V _y				-60.61	-32.60	36.18	-15.02	-63.99	24.44	CO 17			
Min V _y				-52.57	-42.45	35.93	-16.21	-65.40	22.95	CO 28			
Max V _z				-54.38	-41.11	36.65	-16.39	-65.85	23.42	CO 24			
Min V _z				-58.81	-33.94	35.46	-14.85	-63.54	23.97	CO 21			
Max M _T				-58.86	-33.81	35.48	-14.84	-63.62	24.02	CO 15			
Min M _T				-54.33	-41.24	36.63	-16.40	-65.77	23.37	CO 26			
Max M _y				-58.81	-33.94	35.46	-14.85	-63.54	23.97	CO 21			
Min M _y				-54.38	-41.11	36.65	-16.39	-65.85	23.42	CO 24			
Max M _z				-60.61	-32.60	36.18	-15.02	-63.99	24.44	CO 17			
Min M _z				-52.57	-42.45	35.93	-16.21	-65.40	22.95	CO 28			
155				2.700	Max N	3.39	1.47	4.59	-0.59	-0.39	-0.04	CO 24	
					Min N	3.35	1.42	4.49	-0.57	-0.39	-0.04	CO 21	
					Max V _y	3.39	1.47	4.59	-0.59	-0.39	-0.04	CO 24	
					Min V _y	3.35	1.42	4.49	-0.57	-0.39	-0.04	CO 21	
					Max V _z	3.39	1.47	4.59	-0.59	-0.39	-0.04	CO 24	
					Min V _z	3.35	1.42	4.49	-0.57	-0.39	-0.04	CO 21	
					Max M _T	3.35	1.42	4.50	-0.57	-0.39	-0.04	CO 19	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
238	RC2			Min M _T	3.39	1.47	4.59	▷ -0.59	-0.39	-0.04	CO 24
				Max M _y	3.35	1.42	4.50	▷ -0.57	-0.39	-0.04	CO 19
				Min M _y	3.39	1.47	4.59	▷ -0.59	-0.39	-0.04	CO 24
				Max M _z	3.38	1.46	4.57	▷ -0.58	-0.39	-0.04	CO 23
				Min M _z	3.36	1.44	4.52	▷ -0.57	-0.39	-0.05	CO 20
				Max N	42.19	-162.06	25.22	▷ -40.93	-51.88	-3.45	LC 1-4
	RC6	33	0.000	Min N	▷ -117.33	127.95	20.26	▷ 25.02	-23.14	32.66	LC 1-5
				Max V _y	▷ -108.52	▷ 133.12	15.27	▷ 27.31	-13.52	29.41	LC 1-4
				Min V _y	▷ 33.38	▷ -167.23	30.21	▷ -43.23	-61.50	-0.20	LC 1-5
				Max V _z	▷ -7.83	▷ -93.90	▷ 32.22	▷ -23.58	-59.05	3.40	LC 1-5
				Min V _z	▷ -67.31	▷ 59.79	▷ 13.26	▷ 7.67	-15.97	25.81	LC 1-4
				Max M _T	▷ -108.47	132.65	15.60	▷ 27.41	-14.10	29.02	LC 1-4
				Min M _T	▷ 33.33	▷ -166.76	29.87	▷ -43.33	-60.92	0.19	LC 1-5
				Max M _y	▷ -106.27	129.78	14.71	▷ 26.13	-12.88	29.72	LC 1-4
				Min M _y	▷ 31.13	▷ -163.88	30.77	▷ -42.05	-62.14	-0.51	LC 1-5
				Max M _z	▷ -115.53	126.37	19.52	▷ 24.22	-22.13	33.27	LC 1-5
				Min M _z	▷ 40.39	▷ -160.47	25.96	▷ -40.13	-52.89	-4.05	LC 1-4
		155	2.700	Max N	▷ 2.73	1.38	3.63	▷ -0.47	-0.31	0.04	LC 1-5
				Min N	▷ 1.03	0.18	1.08	▷ -0.12	-0.12	-0.11	LC 1-4
				Max V _y	▷ 2.69	1.44	3.75	▷ -0.48	-0.30	0.02	LC 1-5
				Min V _y	▷ 1.07	▷ 0.12	0.96	▷ -0.11	-0.13	-0.10	LC 1-4
				Max V _z	▷ 2.69	1.44	3.76	▷ -0.48	-0.30	0.02	LC 1-5
				Min V _z	▷ 1.07	▷ 0.12	▷ 0.96	▷ -0.10	-0.13	-0.10	LC 1-4
271				Max M _T	▷ 1.06	0.12	0.96	▷ -0.10	-0.13	-0.10	LC 1-4
				Min M _T	▷ 2.70	1.44	3.75	▷ -0.48	-0.31	0.03	LC 1-5
				Max M _y	▷ 1.03	0.21	1.16	▷ -0.12	-0.12	-0.11	LC 1-4
				Min M _y	▷ 2.73	1.35	3.56	▷ -0.46	-0.31	0.04	LC 1-5
				Max M _z	▷ 2.20	1.08	2.72	▷ -0.35	-0.25	0.04	LC 1-4
				Min M _z	▷ 1.56	0.48	2.00	▷ -0.23	-0.18	-0.12	LC 1-5
	RC1	54	0.000	Max N	▷ -2.84	2.69	-12.35	▷ -0.47	1.60	0.43	CO 1
				Min N	▷ -7.73	2.91	-10.21	▷ -0.47	1.17	0.49	CO 12
				Max V _y	▷ -3.93	3.82	-12.54	▷ -0.67	1.63	0.58	CO 9
				Min V _y	▷ -6.63	1.78	-10.01	▷ -0.27	1.14	0.33	CO 8
				Max V _z	▷ -6.91	2.52	-9.20	▷ -0.42	1.07	0.42	CO 14
				Min V _z	▷ -3.65	3.08	-13.36	▷ -0.53	1.70	0.50	CO 3
				Max M _T	▷ -6.63	1.78	-10.01	▷ -0.27	1.14	0.33	CO 8
				Min M _T	▷ -3.93	3.82	-12.54	▷ -0.67	1.63	0.58	CO 9
				Max M _y	▷ -3.65	3.08	-13.36	▷ -0.53	1.70	0.50	CO 3
				Min M _y	▷ -6.91	2.52	-9.20	▷ -0.42	1.07	0.42	CO 14
				Max M _z	▷ -3.93	3.82	-12.54	▷ -0.67	1.63	0.58	CO 9
				Min M _z	▷ -6.63	1.78	-10.01	▷ -0.27	1.14	0.33	CO 8
		179	1.555	Max N	▷ -15.02	7.38	-7.73	▷ -1.42	-1.91	-0.19	CO 9
				Min N	▷ -18.18	8.47	-9.19	▷ -1.63	-2.23	-0.21	CO 6
				Max V _y	▷ -17.44	8.52	-8.84	▷ -1.63	-2.07	-0.22	CO 2
				Min V _y	▷ -15.58	7.33	-8.07	▷ -1.41	-1.96	-0.19	CO 11
				Max V _z	▷ -15.38	7.39	-7.55	▷ -1.42	-1.92	-0.19	CO 10
				Min V _z	▷ -17.81	8.45	-9.37	▷ -1.62	-2.22	-0.21	CO 5
				Max M _T	▷ -15.40	7.34	-8.04	▷ -1.41	-1.85	-0.19	CO 13
				Min M _T	▷ -17.62	8.51	-8.86	▷ -1.63	-2.18	-0.21	CO 4
				Max M _y	▷ -15.40	7.34	-8.04	▷ -1.41	-1.85	-0.19	CO 13
				Min M _y	▷ -18.18	8.47	-9.19	▷ -1.63	-2.23	-0.21	CO 6
				Max M _z	▷ -15.58	7.33	-8.07	▷ -1.41	-1.96	-0.19	CO 11
				Min M _z	▷ -17.44	8.52	-8.84	▷ -1.63	-2.07	-0.22	CO 2
	RC2	54	0.000	Max N	▷ -2.01	1.84	-9.02	▷ -0.32	1.18	0.30	CO 15
				Min N	▷ -5.36	2.07	-7.60	▷ -0.34	0.89	0.35	CO 26
				Max V _y	▷ -2.82	2.68	-9.16	▷ -0.47	1.20	0.41	CO 23
				Min V _y	▷ -4.54	1.23	-7.46	▷ -0.19	0.87	0.23	CO 22
				Max V _z	▷ -4.75	1.78	-6.86	▷ -0.29	0.82	0.30	CO 28
				Min V _z	▷ -2.62	2.12	-9.76	▷ -0.36	1.25	0.35	CO 17
				Max M _T	▷ -4.54	1.23	-7.46	▷ -0.19	0.87	0.23	CO 22
				Min M _T	▷ -2.82	2.68	-9.16	▷ -0.47	1.20	0.41	CO 23
				Max M _y	▷ -2.62	2.12	-9.76	▷ -0.36	1.25	0.35	CO 17
				Min M _y	▷ -4.75	1.78	-6.86	▷ -0.29	0.82	0.30	CO 28
				Max M _z	▷ -2.82	2.68	-9.16	▷ -0.47	1.20	0.41	CO 23
				Min M _z	▷ -4.54	1.23	-7.46	▷ -0.19	0.87	0.23	CO 22
		179	1.555	Max N	▷ -10.58	5.15	-5.46	▷ -0.99	-1.36	-0.13	CO 23
				Min N	▷ -12.89	5.96	-6.55	▷ -1.15	-1.60	-0.15	CO 20
				Max V _y	▷ -12.35	6.00	-6.29	▷ -1.15	-1.48	-0.15	CO 16
				Min V _y	▷ -10.99	5.12	-5.71	▷ -0.98	-1.40	-0.13	CO 25
				Max V _z	▷ -10.82	5.16	-5.34	▷ -0.99	-1.37	-0.13	CO 24
				Min V _z	▷ -12.65	5.95	-6.67	▷ -1.15	-1.59	-0.15	CO 19
				Max M _T	▷ -10.86	5.13	-5.69	▷ -0.98	-1.32	-0.13	CO 27
				Min M _T	▷ -12.48	5.99	-6.30	▷ -1.15	-1.56	-0.15	CO 18
				Max M _y	▷ -10.86	5.13	-5.69	▷ -0.98	-1.32	-0.13	CO 27
				Min M _y	▷ -12.89	5.96	-6.55	▷ -1.15	-1.60	-0.15	CO 20
				Max M _z	▷ -10.99	5.12	-5.71	▷ -0.98	-1.40	-0.13	CO 25
				Min M _z	▷ -12.35	6.00	-6.29	▷ -1.15	-1.48	-0.15	CO 16
	RC6	54	0.000	Max N	▷ 64.84	-1.82	-42.45	▷ 0.35	7.86	-0.20	LC 1-4
				Min N	▷ -68.75	3.51	25.02	▷ -0.60	-5.48	0.56	LC 1-5
				Max V _y	▷ -19.13	▷ 28.44	-9.97	▷ -5.93	1.06	3.20	LC 1-5
				Min V _y	▷ 15.22	▷ -26.74	-7.46	▷ 5.69	1.31	-2.85	LC 1-4
				Max V _z	▷ -66.96	-0.71	25.94	▷ 0.26	-5.57	0.07	LC 1-4
				Min V _z	▷ 63.04	2.41	-43.36	▷ -0.51	7.94	0.29	LC 1-5
				Max M _T	▷ 15.21	-26.65	-7.43	▷ 5.70	1.31	-2.81	LC 1-4
				Min M _T	▷ -19.12	28.35	-9.99	▷ -5.95	1.07	3.17	LC 1-5
				Max M _y	▷ 63.68	1.40	-43.33	▷ -0.30	7.95	0.17	LC 1-5
				Min M _y	▷ -67.60	0.30	25.91	▷ 0.05	-5.57	0.18	LC 1-4
				Max M _z	▷ -19.57	28.26	-9.58	▷ -5.84	0.99	3.22	LC 1-5
				Min M _z	▷ 15.66	-26.56	-7.84	▷ 5.60	1.38	-2.87	LC 1-4
		179	1.555	Max N	▷ -2.05	3.04	-8.08	▷ -0.61	-1.01	-0.05	LC 1-4
				Min N	▷ -14.88	4.12	-1.11	▷ -0.79	-1.36	-0.11	LC 1-5
				Max V _y	▷ -9.83	4.20	-6.46	▷ -0.82	-1.33	-0.07	LC 1-5



4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member				Node			Location			Forces [kN]			Moments [kNm]			Corresponding
No.	RC	No.	x [m]		N	V _y	V _z	M _T	M _y	M _z	Load Cases					
271	RC6			Min V _y	-7.10	2.96	-2.73	-0.57	-1.04	-0.08	LC 1-4					
		Max V _z	-13.26	3.25	-0.21	-0.62	-1.21	-0.08	LC 1-4							
		Min V _z	-3.67	3.91	-8.98	-0.78	-1.16	-0.07	LC 1-5							
		Max M _T	-7.71	2.97	-2.22	-0.57	-1.05	-0.09	LC 1-4							
		Min M _T	-9.22	4.19	-6.97	-0.82	-1.33	-0.07	LC 1-5							
		Max M _y	-2.89	2.97	-6.62	-0.59	-0.99	-0.06	LC 1-4							
		Min M _y	-14.03	4.18	-2.57	-0.81	-1.38	-0.10	LC 1-5							
		Max M _z	-4.80	3.26	-8.00	-0.66	-1.13	-0.04	LC 1-4							
		Min M _z	-12.13	3.89	-1.19	-0.74	-1.25	-0.12	LC 1-5							
		Max N	-4.51	-7.71	-4.61	1.48	-1.33	-0.26	CO 14							
		Min N	-5.84	-8.90	-5.87	1.71	-1.64	-0.30	CO 5							
		Max V _y	-4.51	-7.71	-4.61	1.48	-1.33	-0.26	CO 14							
272	RC1	180	0.000	Min V _y	-5.68	-8.92	-5.67	1.71	-1.60	-0.30	CO 3					
				Max V _z	-4.53	-7.74	-4.43	1.49	-1.38	-0.25	CO 10					
				Min V _z	-5.84	-8.90	-5.87	1.71	-1.64	-0.30	CO 5					
				Max M _T	-5.28	-8.91	-5.22	1.71	-1.57	-0.29	CO 4					
				Min M _T	-4.90	-7.72	-5.06	1.48	-1.36	-0.27	CO 13					
				Max M _y	-4.51	-7.71	-4.61	1.48	-1.33	-0.26	CO 14					
				Min M _y	-5.84	-8.90	-5.87	1.71	-1.64	-0.30	CO 5					
				Max M _z	-4.53	-7.74	-4.43	1.49	-1.38	-0.25	CO 10					
				Min M _z	-5.66	-8.90	-5.85	1.70	-1.55	-0.30	CO 7					
		50	1.555	Max N	-57.60	18.70	42.67	-0.29	9.19	-3.57	CO 10					
				Min N	-84.03	21.88	40.40	-0.43	9.04	-4.06	CO 7					
				Max V _y	-72.50	22.52	46.29	-0.49	10.21	-4.21	CO 8					
				Min V _y	-69.13	18.06	36.77	-0.23	8.02	-3.43	CO 9					
				Max V _z	-72.00	21.95	47.87	-0.40	10.39	-4.15	CO 6					
				Min V _z	-72.38	18.65	35.81	-0.30	8.02	-3.51	CO 13					
				Max M _T	-71.88	18.08	37.38	-0.21	8.20	-3.46	CO 11					
				Min M _T	-69.75	22.50	45.69	-0.52	10.03	-4.17	CO 2					
				Max M _y	-72.00	21.95	47.87	-0.40	10.39	-4.15	CO 6					
				Min M _y	-69.13	18.06	36.77	-0.23	8.02	-3.43	CO 9					
				Max M _z	-69.13	18.06	36.77	-0.23	8.02	-3.43	CO 9					
				Min M _z	-72.50	22.52	46.29	-0.49	10.21	-4.21	CO 8					
	RC2	180	0.000	Max N	-3.22	-5.39	-3.29	1.04	-0.95	-0.18	CO 28					
				Min N	-4.18	-6.27	-4.19	1.20	-1.18	-0.21	CO 19					
				Max V _y	-3.22	-5.39	-3.29	1.04	-0.95	-0.18	CO 28					
				Min V _y	-4.06	-6.29	-4.04	1.21	-1.15	-0.21	CO 17					
				Max V _z	-3.24	-5.41	-3.15	1.04	-0.99	-0.17	CO 24					
				Min V _z	-4.18	-6.27	-4.19	1.20	-1.18	-0.21	CO 19					
				Max M _T	-3.80	-6.28	-3.74	1.21	-1.13	-0.20	CO 18					
				Min M _T	-3.48	-5.40	-3.58	1.04	-0.97	-0.19	CO 27					
				Max M _y	-3.22	-5.39	-3.29	1.04	-0.95	-0.18	CO 28					
				Min M _y	-4.18	-6.27	-4.19	1.20	-1.18	-0.21	CO 19					
				Max M _z	-3.24	-5.41	-3.15	1.04	-0.99	-0.17	CO 24					
				Min M _z	-4.05	-6.27	-4.17	1.20	-1.11	-0.21	CO 21					
		50	1.555	Max N	-40.56	13.03	30.52	-0.19	6.53	-2.50	CO 24					
				Min N	-59.27	15.42	29.27	-0.30	6.50	-2.87	CO 21					
				Max V _y	-51.59	15.85	33.20	-0.34	7.28	-2.97	CO 22					
				Min V _y	-48.24	12.60	26.59	-0.15	5.74	-2.40	CO 23					
				Max V _z	-51.22	15.43	34.37	-0.27	7.42	-2.93	CO 20					
				Min V _z	-50.64	13.03	25.87	-0.20	5.75	-2.46	CO 27					
				Max M _T	-50.28	12.61	27.04	-0.13	5.88	-2.43	CO 25					
				Min M _T	-49.55	15.83	32.76	-0.36	7.15	-2.94	CO 16					
				Max M _y	-51.22	15.43	34.37	-0.27	7.42	-2.93	CO 20					
				Min M _y	-48.24	12.60	26.59	-0.15	5.74	-2.40	CO 23					
				Max M _z	-48.24	12.60	26.59	-0.15	5.74	-2.40	CO 23					
				Min M _z	-51.59	15.85	33.20	-0.34	7.28	-2.97	CO 22					
	RC6	180	0.000	Max N	3.87	-3.25	4.44	0.69	-0.35	0.01	LC 1-4					
				Min N	-9.96	-4.37	-10.31	0.79	-1.41	-0.26	LC 1-5					
				Max V _y	3.86	-3.25	4.42	0.69	-0.35	0.01	LC 1-4					
				Min V _y	-9.95	-4.37	-10.29	0.79	-1.41	-0.26	LC 1-5					
				Max V _z	3.86	-3.25	4.44	0.69	-0.35	0.01	LC 1-4					
				Min V _z	-9.95	-4.37	-10.31	0.79	-1.41	-0.26	LC 1-5					
				Max M _T	3.37	-4.11	3.88	0.86	-0.45	-0.02	LC 1-5					
				Min M _T	-9.46	-3.50	-9.75	0.62	-1.31	-0.23	LC 1-4					
				Max M _y	3.84	-3.25	4.39	0.69	-0.35	0.01	LC 1-4					
				Min M _y	-9.93	-4.37	-10.26	0.79	-1.41	-0.26	LC 1-5					
				Max M _z	3.85	-3.25	4.43	0.69	-0.35	0.01	LC 1-4					
				Min M _z	-9.94	-4.37	-10.30	0.79	-1.41	-0.26	LC 1-5					
		50	1.555	Max N	160.23	10.96	124.19	0.12	24.67	-3.17	LC 1-4					
				Min N	-232.53	7.23	-73.49	-0.26	-14.40	-0.42	LC 1-5					
				Max V _y	-32.28	26.07	26.50	-2.19	5.69	-3.99	LC 1-5					
				Min V _y	-40.02	-7.88	24.20	2.05	4.57	0.39	LC 1-4					
				Max V _z	152.27	12.86	125.85	0.09	25.18	-3.51	LC 1-5					
				Min V _z	-224.58	5.33	-75.15	-0.23	-14.91	-0.08	LC 1-4					
				Max M _T	-13.94	-7.47	37.74	2.10	7.26	0.16	LC 1-4					
				Min M _T	-58.37	25.66	12.96	-2.24	3.00	-3.76	LC 1-5					
				Max M _y	152.31	12.96	125.85	0.08	25.18	-3.52	LC 1-5					
				Min M _y	-224.61	5.23	-75.14	-0.22	-14.91	-0.07	LC 1-4					
				Max M _z	-192.95	-2.31	-56.86	0.87	-11.41	0.67	LC 1-4					
				Min M _z	120.64	20.50	107.56	-1.01	21.67	-4.26	LC 1-5					
Section No. 9: T-Rectangle 100/200																
113	RC1	86	0.000 Left	Max N	14.53	0.01	-1.15	-0.00	0.85	0.01	CO 6					
				Min N	3.77	0.00	-0.23	-0.00	0.26	0.00	CO 9					
				Max V _y	14.52	0.01	-1.15	-0.00	0.85	0.01	CO 7					
				Min V _y	3.78	0.00	-0.23	-0.00	0.26	0.00	CO 10					
				Max V _z	3.79	0.00	-0.22	-0.00	0.26	0.00	CO 14					
				Min V _z	14.52	0.01	-1.15	-0.00	0.85	0.01	CO 5					
				Max M _T	3.78	0.00	-0.23	-0.00	0.26	0.00	CO 10					
				Min M _T	14.52	0.01	-1.15	-0.00	0.85	0.01	CO 7					
				Max M _y	14.52	0.01	-1.15	-0.00	0.85	0.01	CO 5					
				Min M _y	3.79	0.00	-0.22	-0.00	0.26	0.00	CO 14					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
113	RC1				Max M _z	14.52	0.01	-1.15	-0.00	0.85	CO 7
					Min M _z	3.78	0.00	-0.23	-0.00	0.26	CO 10
					Max N	14.53	0.01	-1.15	-0.00	0.85	CO 6
					Min N	3.77	0.00	-0.23	-0.00	0.26	CO 9
					Max V _y	14.52	0.01	-1.15	-0.00	0.85	CO 7
					Min V _y	3.78	0.00	-0.23	-0.00	0.26	CO 10
					Max V _z	3.79	0.00	-0.22	-0.00	0.26	CO 14
					Min V _z	14.52	0.01	-1.15	-0.00	0.85	CO 5
					Max M _T	3.78	0.00	-0.23	-0.00	0.26	CO 10
					Min M _T	14.52	0.01	-1.15	-0.00	0.85	CO 7
					Max M _y	14.52	0.01	-1.15	-0.00	0.85	CO 5
					Min M _y	3.79	0.00	-0.22	-0.00	0.26	CO 14
					Max M _z	14.52	0.01	-1.15	-0.00	0.85	CO 7
					Min M _z	3.78	0.00	-0.23	-0.00	0.26	CO 10
					Max N	14.54	0.01	-0.82	-0.00	0.50	CO 6
					Min N	3.78	0.00	-0.19	-0.00	0.19	CO 9
					Max V _y	14.53	0.01	-0.82	-0.00	0.49	CO 7
					Min V _y	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Max V _z	3.80	0.00	-0.19	-0.00	0.19	CO 14
					Min V _z	14.53	0.01	-0.82	-0.00	0.50	CO 5
					Max M _T	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Min M _T	14.53	0.01	-0.82	-0.00	0.49	CO 7
					Max M _y	14.53	0.01	-0.82	-0.00	0.50	CO 5
					Min M _y	3.80	0.00	-0.19	-0.00	0.19	CO 14
					Max M _z	14.53	0.01	-0.82	-0.00	0.49	CO 7
					Min M _z	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Max N	14.54	0.01	-0.82	-0.00	0.50	CO 6
					Min N	3.78	0.00	-0.19	-0.00	0.19	CO 9
					Max V _y	14.53	0.01	-0.82	-0.00	0.49	CO 7
					Min V _y	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Max V _z	3.80	0.00	-0.19	-0.00	0.19	CO 14
					Min V _z	14.53	0.01	-0.82	-0.00	0.50	CO 5
					Max M _T	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Min M _T	14.53	0.01	-0.82	-0.00	0.49	CO 7
					Max M _y	14.53	0.01	-0.82	-0.00	0.50	CO 5
					Min M _y	3.80	0.00	-0.19	-0.00	0.19	CO 14
					Max M _z	14.53	0.01	-0.82	-0.00	0.49	CO 7
					Min M _z	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Max N	14.54	0.01	-0.80	-0.00	0.48	CO 6
					Min N	3.78	0.00	-0.19	-0.00	0.19	CO 9
					Max V _y	14.53	0.01	-0.79	-0.00	0.48	CO 7
					Min V _y	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Max V _z	3.80	0.00	-0.19	-0.00	0.19	CO 14
					Min V _z	14.54	0.01	-0.80	-0.00	0.48	CO 5
					Max M _T	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Min M _T	14.53	0.01	-0.79	-0.00	0.48	CO 7
					Max M _y	14.54	0.01	-0.80	-0.00	0.48	CO 5
					Min M _y	3.80	0.00	-0.19	-0.00	0.19	CO 14
					Max M _z	14.53	0.01	-0.79	-0.00	0.48	CO 7
					Min M _z	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Max N	14.54	0.01	-0.80	-0.00	0.48	CO 6
					Min N	3.78	0.00	-0.19	-0.00	0.19	CO 9
					Max V _y	14.53	0.01	-0.79	-0.00	0.48	CO 7
					Min V _y	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Max V _z	3.80	0.00	-0.19	-0.00	0.19	CO 14
					Min V _z	14.54	0.01	-0.80	-0.00	0.48	CO 5
					Max M _T	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Min M _T	14.53	0.01	-0.79	-0.00	0.48	CO 7
					Max M _y	14.54	0.01	-0.80	-0.00	0.48	CO 5
					Min M _y	3.80	0.00	-0.19	-0.00	0.19	CO 14
					Max M _z	14.53	0.01	-0.79	-0.00	0.48	CO 7
					Min M _z	3.79	0.00	-0.19	-0.00	0.19	CO 10
					Max N	14.58	-0.00	0.02	-0.00	0.24	CO 6
					Min N	3.82	0.00	-0.09	-0.00	0.04	CO 9
					Max V _y	3.83	0.00	-0.09	-0.00	0.04	CO 13
					Min V _y	14.56	-0.00	0.02	-0.00	0.24	CO 4
					Max V _z	14.55	-0.00	0.02	-0.00	0.24	CO 2
					Min V _z	3.84	0.00	-0.09	-0.00	0.04	CO 11
					Max M _T	3.83	0.00	-0.09	-0.00	0.04	CO 10
					Min M _T	14.56	-0.00	0.02	-0.00	0.24	CO 7
					Max M _y	14.58	-0.00	0.02	-0.00	0.24	CO 6
					Min M _y	3.83	0.00	-0.09	-0.00	0.04	CO 13
					Max M _z	14.56	-0.00	0.02	-0.00	0.24	CO 4
					Min M _z	3.83	0.00	-0.09	-0.00	0.04	CO 13
					Max N	14.58	-0.00	0.02	-0.00	0.24	CO 6
					Min N	3.82	0.00	-0.09	-0.00	0.04	CO 9
					Max V _y	3.83	0.00	-0.09	-0.00	0.04	CO 13
					Min V _y	14.56	-0.00	0.02	-0.00	0.24	CO 4
					Max V _z	14.55	-0.00	0.02	-0.00	0.24	CO 2
					Min V _z	3.84	0.00	-0.09	-0.00	0.04	CO 11
					Max M _T	3.83	0.00	-0.09	-0.00	0.04	CO 10
					Min M _T	14.56	-0.00	0.02	-0.00	0.24	CO 7
					Max M _y	14.58	-0.00	0.02	-0.00	0.24	CO 6
					Min M _y	3.83	0.00	-0.09	-0.00	0.04	CO 13
					Max M _z	14.56	-0.00	0.02	-0.00	0.24	CO 4
					Min M _z	3.83	0.00	-0.09	-0.00	0.04	CO 13
					Max N	10.48	0.00	-0.84	-0.00	0.62	CO 20
					Min N	2.52	0.00	-0.16	-0.00	0.18	CO 23
					Max V _y	10.47	0.01	-0.84	-0.00	0.62	CO 21
					Min V _y	2.53	0.00	-0.16	-0.00	0.18	CO 24
					Max V _z	2.54	0.00	-0.16	-0.00	0.18	CO 28
					Min V _z	10.47	0.00	-0.84	-0.00	0.62	CO 19

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]				Corresponding Load Cases			
				N	V _y	V _z	M _T	M _y	M _z						
113	RC2		0.000 Right	Max M _T	2.53	0.00	-0.16	▷	-0.00	0.18	0.00	CO 24			
				Min M _T	10.47	0.01	-0.84	▷	-0.00	0.62	0.00	CO 21			
				Max M _y	10.47	0.00	-0.84	▷	-0.00	0.62	0.00	CO 19			
				Min M _y	2.54	0.00	-0.16	▷	-0.00	0.18	0.00	CO 28			
				Max M _z	10.47	0.01	-0.84	▷	-0.00	0.62	0.00	CO 21			
				Min M _z	2.53	0.00	-0.16	▷	-0.00	0.18	0.00	CO 24			
				Max N	10.48	0.00	-0.84	▷	-0.00	0.62	0.00	CO 20			
				Min N	2.52	0.00	-0.16	▷	-0.00	0.18	0.00	CO 23			
				Max V _y	10.47	▷	0.01	-0.84	▷	-0.00	0.62	0.00	CO 21		
				Min V _y	2.53	▷	0.00	-0.16	▷	-0.00	0.18	0.00	CO 24		
				Max V _z	2.54	0.00	▷	-0.16	▷	-0.00	0.18	0.00	CO 28		
				Min V _z	10.47	0.00	▷	-0.84	▷	-0.00	0.62	0.00	CO 19		
				Max M _T	2.53	0.00	-0.16	▷	-0.00	0.18	0.00	CO 24			
				Min M _T	10.47	0.01	-0.84	▷	-0.00	0.62	0.00	CO 21			
				Max M _y	10.47	0.00	-0.84	▷	-0.00	0.62	0.00	CO 19			
				Min M _y	2.54	0.00	-0.16	▷	-0.00	0.18	0.00	CO 28			
				Max M _z	10.47	0.01	-0.84	▷	-0.00	0.62	▷	0.00	CO 21		
				Min M _z	2.53	0.00	-0.16	▷	-0.00	0.18	▷	0.00	CO 24		
				0.348 Left	Max N	10.49	0.00	-0.60	▷	-0.00	0.36	0.00	CO 20		
					Min N	2.53	0.00	-0.14	▷	-0.00	0.13	0.00	CO 23		
					Max V _y	10.48	▷	-0.60	▷	-0.00	0.36	0.00	CO 21		
					Min V _y	2.54	▷	-0.14	▷	-0.00	0.13	0.00	CO 24		
					Max V _z	2.55	0.00	▷	-0.13	▷	-0.00	0.13	0.00	CO 28	
					Min V _z	10.48	0.00	▷	-0.60	▷	-0.00	0.36	0.00	CO 19	
					Max M _T	2.54	0.00	-0.14	▷	-0.00	0.13	0.00	CO 24		
					Min M _T	10.48	0.00	-0.60	▷	-0.00	0.36	0.00	CO 21		
					Max M _y	10.48	0.00	-0.60	▷	-0.00	0.36	0.00	CO 19		
					Min M _y	2.55	0.00	-0.13	▷	-0.00	0.13	0.00	CO 28		
					Max M _z	10.48	0.00	-0.60	▷	-0.00	0.36	▷	0.00	CO 21	
					Min M _z	2.54	0.00	-0.14	▷	-0.00	0.13	▷	0.00	CO 24	
					0.348 Right	Max N	10.49	0.00	-0.60	▷	-0.00	0.36	0.00	CO 20	
						Min N	2.53	0.00	-0.14	▷	-0.00	0.13	0.00	CO 23	
						Max V _y	10.48	▷	-0.60	▷	-0.00	0.36	0.00	CO 21	
						Min V _y	2.54	▷	-0.14	▷	-0.00	0.13	0.00	CO 24	
						Max V _z	2.55	0.00	▷	-0.13	▷	-0.00	0.13	0.00	CO 28
						Min V _z	10.48	0.00	▷	-0.60	▷	-0.00	0.36	0.00	CO 19
						Max M _T	2.54	0.00	-0.14	▷	-0.00	0.13	0.00	CO 24	
						Min M _T	10.48	0.00	-0.60	▷	-0.00	0.36	0.00	CO 21	
				Max M _y		10.48	0.00	-0.60	▷	-0.00	0.36	0.00	CO 19		
				Min M _y		2.55	0.00	-0.13	▷	-0.00	0.13	0.00	CO 28		
			Max M _z	10.48		0.00	-0.60	▷	-0.00	0.36	▷	0.00	CO 21		
			Min M _z	2.54		0.00	-0.14	▷	-0.00	0.13	▷	0.00	CO 24		
			0.364 Left	Max N		10.49	0.00	-0.58	▷	-0.00	0.35	0.00	CO 20		
				Min N		2.53	0.00	-0.14	▷	-0.00	0.13	0.00	CO 23		
				Max V _y		10.48	▷	-0.58	▷	-0.00	0.35	0.00	CO 21		
				Min V _y		2.54	▷	-0.13	▷	-0.00	0.13	0.00	CO 24		
				Max V _z		2.55	0.00	▷	-0.13	▷	-0.00	0.13	0.00	CO 28	
				Min V _z		10.48	0.00	▷	-0.58	▷	-0.00	0.35	0.00	CO 19	
				Max M _T		2.54	0.00	-0.13	▷	-0.00	0.13	0.00	CO 24		
				Min M _T		10.48	0.00	-0.58	▷	-0.00	0.35	0.00	CO 21		
				Max M _y	10.48	0.00	-0.58	▷	-0.00	0.35	0.00	CO 19			
				Min M _y	2.55	0.00	-0.13	▷	-0.00	0.13	0.00	CO 28			
				Max M _z	10.48	0.00	-0.58	▷	-0.00	0.35	▷	0.00	CO 21		
				Min M _z	2.54	0.00	-0.13	▷	-0.00	0.13	▷	0.00	CO 24		
				0.364 Right	Max N	10.49	0.00	-0.58	▷	-0.00	0.35	0.00	CO 20		
					Min N	2.53	0.00	-0.14	▷	-0.00	0.13	0.00	CO 23		
					Max V _y	10.48	▷	-0.58	▷	-0.00	0.35	0.00	CO 21		
					Min V _y	2.54	▷	-0.13	▷	-0.00	0.13	0.00	CO 24		
					Max V _z	2.55	0.00	▷	-0.13	▷	-0.00	0.13	0.00	CO 28	
					Min V _z	10.48	0.00	▷	-0.58	▷	-0.00	0.35	0.00	CO 19	
					Max M _T	2.54	0.00	-0.13	▷	-0.00	0.13	0.00	CO 24		
					Min M _T	10.48	0.00	-0.58	▷	-0.00	0.35	0.00	CO 21		
			Max M _y		10.48	0.00	-0.58	▷	-0.00	0.35	0.00	CO 19			
			Min M _y		2.55	0.00	-0.13	▷	-0.00	0.13	0.00	CO 28			
			Max M _z		10.48	0.00	-0.58	▷	-0.00	0.35	▷	0.00	CO 21		
			Min M _z		2.54	0.00	-0.13	▷	-0.00	0.13	▷	0.00	CO 24		
			1.422 Left		Max N	10.49	0.00	-0.58	▷	-0.00	0.35	0.00	CO 20		
					Min N	2.53	0.00	-0.14	▷	-0.00	0.13	0.00	CO 23		
					Max V _y	10.48	▷	-0.58	▷	-0.00	0.35	0.00	CO 21		
					Min V _y	2.54	▷	-0.13	▷	-0.00	0.13	0.00	CO 24		
					Max V _z	2.55	0.00	▷	-0.13	▷	-0.00	0.13	0.00	CO 28	
					Min V _z	10.48	0.00	▷	-0.58	▷	-0.00	0.35	0.00	CO 19	
					Max M _T	2.54	0.00	-0.13	▷	-0.00	0.13	0.00	CO 24		
					Min M _T	10.48	0.00	-0.58	▷	-0.00	0.35	0.00	CO 21		
				Max M _y	10.48	0.00	-0.58	▷	-0.00	0.35	0.00	CO 19			
				Min M _y	2.55	0.00	-0.13	▷	-0.00	0.13	0.00	CO 28			
				Max M _z	10.48	0.00	-0.58	▷	-0.00	0.35	▷	0.00	CO 21		
				Min M _z	2.54	0.00	-0.13	▷	-0.00	0.13	▷	0.00	CO 24		
				1.422 Right	Max N	10.52	-0.00	0.02	▷	-0.00	0.17	0.00	CO 20		
					Min N	2.56	0.00	-0.06	▷	-0.00	0.02	-0.00	CO 23		
Max V _y	2.57	▷			-0.06	▷	-0.00	0.02	-0.00	CO 27					
Min V _y	10.50	▷			-0.00	▷	-0.00	0.17	0.00	CO 18					
Max V _z	10.50	-0.00			▷	0.02	-0.00	0.17	0.00	CO 16					
Min V _z	2.57	0.00			▷	-0.06	-0.00	0.02	-0.00	CO 25					
Max M _T	2.56	0.00			-0.06	▷	-0.00	0.02	-0.00	CO 24					
Min M _T	10.51	-0.00			0.02	▷	-0.00	0.17	0.00	CO 21					
Max M _y	10.52	-0.00	0.02		▷	-0.00	0.17	0.00	CO 20						
Min M _y	2.57	0.00	-0.06		▷	-0.00	0.02	-0.00	CO 27						
Max M _z	10.50	-0.00	0.02		▷	-0.00	0.17	▷	0.00	CO 18					
Min M _z	2.57	0.00	-0.06		▷	-0.00	0.02	▷	-0.00	CO 27					
0.000 Left	Max N	11.34	-0.00		-0.75	▷	0.00	0.42	-0.00	LC 1-5					
	Min N	4.52	0.01		-0.81	▷	-0.00	0.63	0.01	LC 1-4					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
113	RC6				Max V _y	6.66	0.02	-0.84	-0.01	0.65	0.02	LC 1-5	
					Min V _y	9.20	-0.01	-0.72	0.00	0.39	-0.01	LC 1-4	
					Max V _z	9.42	-0.01	-0.72	0.00	0.37	-0.01	LC 1-4	
					Min V _z	6.44	0.02	-0.85	-0.01	0.68	0.02	LC 1-5	
					Max M _T	9.69	-0.01	-0.72	0.00	0.37	-0.01	LC 1-4	
					Min M _T	6.17	0.02	-0.85	-0.01	0.67	0.02	LC 1-5	
					Max M _y	5.81	0.02	-0.85	-0.00	0.68	0.02	LC 1-5	
					Min M _y	10.05	-0.01	-0.72	0.00	0.36	-0.01	LC 1-4	
					Max M _z	6.72	0.02	-0.84	-0.01	0.65	0.02	LC 1-5	
					Min M _z	9.14	-0.01	-0.72	0.00	0.39	-0.01	LC 1-4	
					0.000 Right	Max N	11.34	-0.00	-0.75	0.00	0.42	-0.00	LC 1-5
						Min N	4.52	0.01	-0.81	-0.00	0.63	0.01	LC 1-4
						Max V _y	6.66	0.02	-0.84	-0.01	0.65	0.02	LC 1-5
						Min V _y	9.20	-0.01	-0.72	0.00	0.39	-0.01	LC 1-4
						Max V _z	9.42	-0.01	-0.72	0.00	0.37	-0.01	LC 1-4
						Min V _z	6.44	0.02	-0.85	-0.01	0.68	0.02	LC 1-5
						Max M _T	9.69	-0.01	-0.72	0.00	0.37	-0.01	LC 1-4
						Min M _T	6.17	0.02	-0.85	-0.01	0.67	0.02	LC 1-5
						Max M _y	5.81	0.02	-0.85	-0.00	0.68	0.02	LC 1-5
						Min M _y	10.05	-0.01	-0.72	0.00	0.36	-0.01	LC 1-4
						Max M _z	6.72	0.02	-0.84	-0.01	0.65	0.02	LC 1-5
						Min M _z	9.14	-0.01	-0.72	0.00	0.39	-0.01	LC 1-4
					0.348 Left	Max N	11.34	-0.00	-0.52	0.00	0.18	-0.00	LC 1-5
						Min N	4.53	0.01	-0.58	-0.00	0.37	0.01	LC 1-4
						Max V _y	6.67	0.02	-0.61	-0.01	0.39	0.01	LC 1-5
						Min V _y	9.20	-0.01	-0.49	0.00	0.17	-0.01	LC 1-4
						Max V _z	9.43	-0.01	-0.48	0.00	0.15	-0.01	LC 1-4
						Min V _z	6.45	0.02	-0.61	-0.01	0.41	0.01	LC 1-5
						Max M _T	9.70	-0.01	-0.48	0.00	0.15	-0.01	LC 1-4
						Min M _T	6.18	0.02	-0.61	-0.01	0.41	0.01	LC 1-5
						Max M _y	5.69	0.02	-0.61	-0.00	0.42	0.01	LC 1-5
						Min M _y	10.19	-0.01	-0.48	0.00	0.14	-0.01	LC 1-4
						Max M _z	6.76	0.02	-0.60	-0.01	0.39	0.01	LC 1-5
						Min M _z	9.11	-0.01	-0.49	0.00	0.17	-0.01	LC 1-4
					0.348 Right	Max N	11.34	-0.00	-0.52	0.00	0.18	-0.00	LC 1-5
						Min N	4.53	0.01	-0.58	-0.00	0.37	0.01	LC 1-4
						Max V _y	6.67	0.02	-0.61	-0.01	0.39	0.01	LC 1-5
						Min V _y	9.20	-0.01	-0.49	0.00	0.17	-0.01	LC 1-4
						Max V _z	9.43	-0.01	-0.48	0.00	0.15	-0.01	LC 1-4
						Min V _z	6.45	0.02	-0.61	-0.01	0.41	0.01	LC 1-5
						Max M _T	9.70	-0.01	-0.48	0.00	0.15	-0.01	LC 1-4
						Min M _T	6.18	0.02	-0.61	-0.01	0.41	0.01	LC 1-5
						Max M _y	5.69	0.02	-0.61	-0.00	0.42	0.01	LC 1-5
						Min M _y	10.19	-0.01	-0.48	0.00	0.14	-0.01	LC 1-4
						Max M _z	6.76	0.02	-0.60	-0.01	0.39	0.01	LC 1-5
						Min M _z	9.11	-0.01	-0.49	0.00	0.17	-0.01	LC 1-4
					0.364 Left	Max N	11.35	-0.00	-0.50	0.00	0.18	-0.00	LC 1-5
						Min N	4.53	0.01	-0.56	-0.00	0.37	0.01	LC 1-4
						Max V _y	6.67	0.02	-0.59	-0.01	0.38	0.01	LC 1-5
						Min V _y	9.21	-0.01	-0.47	0.00	0.16	-0.01	LC 1-4
						Max V _z	9.43	-0.01	-0.46	0.00	0.14	-0.01	LC 1-4
						Min V _z	6.45	0.02	-0.59	-0.01	0.40	0.01	LC 1-5
						Max M _T	9.70	-0.01	-0.47	0.00	0.15	-0.01	LC 1-4
						Min M _T	6.18	0.02	-0.59	-0.01	0.40	0.01	LC 1-5
						Max M _y	5.68	0.02	-0.59	-0.00	0.41	0.01	LC 1-5
						Min M _y	10.19	-0.01	-0.47	0.00	0.14	-0.01	LC 1-4
						Max M _z	6.77	0.02	-0.59	-0.01	0.38	0.01	LC 1-5
						Min M _z	9.11	-0.01	-0.47	0.00	0.16	-0.01	LC 1-4
					0.364 Right	Max N	11.35	-0.00	-0.50	0.00	0.18	-0.00	LC 1-5
						Min N	4.53	0.01	-0.56	-0.00	0.37	0.01	LC 1-4
						Max V _y	6.67	0.02	-0.59	-0.01	0.38	0.01	LC 1-5
						Min V _y	9.21	-0.01	-0.47	0.00	0.16	-0.01	LC 1-4
						Max V _z	9.43	-0.01	-0.46	0.00	0.14	-0.01	LC 1-4
						Min V _z	6.45	0.02	-0.59	-0.01	0.40	0.01	LC 1-5
						Max M _T	9.70	-0.01	-0.47	0.00	0.15	-0.01	LC 1-4
						Min M _T	6.18	0.02	-0.59	-0.01	0.40	0.01	LC 1-5
						Max M _y	5.68	0.02	-0.59	-0.00	0.41	0.01	LC 1-5
						Min M _y	10.19	-0.01	-0.47	0.00	0.14	-0.01	LC 1-4
						Max M _z	6.77	0.02	-0.59	-0.01	0.38	0.01	LC 1-5
						Min M _z	9.11	-0.01	-0.47	0.00	0.16	-0.01	LC 1-4
					1.422 Left	Max N	11.37	-0.01	0.10	0.00	0.09	0.01	LC 1-5
						Min N	4.56	0.01	0.04	-0.00	0.21	-0.00	LC 1-4
						Max V _y	6.70	0.02	0.01	-0.01	0.20	-0.01	LC 1-5
						Min V _y	9.23	-0.02	0.13	0.00	0.10	0.01	LC 1-4
						Max V _z	9.45	-0.02	0.13	0.00	0.09	0.01	LC 1-4
						Min V _z	6.48	0.02	0.00	-0.01	0.21	-0.01	LC 1-5
						Max M _T	9.73	-0.02	0.13	0.00	0.09	0.01	LC 1-4
						Min M _T	6.21	0.02	0.00	-0.01	0.21	-0.01	LC 1-5
						Max M _y	5.08	0.01	0.01	-0.00	0.22	-0.00	LC 1-5
						Min M _y	10.85	-0.01	0.12	0.00	0.08	0.01	LC 1-4
						Max M _z	9.31	-0.02	0.13	0.00	0.10	0.01	LC 1-4
						Min M _z	6.62	0.02	0.01	-0.01	0.20	-0.01	LC 1-5
					1.422 Right	Max N	11.37	-0.01	0.10	0.00	0.09	0.01	LC 1-5
						Min N	4.56	0.01	0.04	-0.00	0.21	-0.00	LC 1-4
						Max V _y	6.70	0.02	0.01	-0.01	0.20	-0.01	LC 1-5
						Min V _y	9.23	-0.02	0.13	0.00	0.10	0.01	LC 1-4
						Max V _z	9.45	-0.02	0.13	0.00	0.09	0.01	LC 1-4
						Min V _z	6.48	0.02	0.00	-0.01	0.21	-0.01	LC 1-5
						Max M _T	9.73	-0.02	0.13	0.00	0.09	0.01	LC 1-4
						Min M _T	6.21	0.02	0.00	-0.01	0.21	-0.01	LC 1-5
						Max M _y	5.08	0.01	0.01	-0.00	0.22	-0.00	LC 1-5
						Min M _y	10.85	-0.01	0.12	0.00	0.08	0.01	LC 1-4
Max M _z	9.31	-0.02	0.13	0.00		0.10	0.01	LC 1-4					
Min M _z	6.62	0.02	0.01	-0.01		0.20	-0.01	LC 1-5					
66	Max N	11.37	-0.01	0.10	0.00	0.09	0.01	LC 1-5					
	Min N	4.56	0.01	0.04	-0.00	0.21	-0.00	LC 1-4					
	Max V _y	6.70	0.02	0.01	-0.01	0.20	-0.01	LC 1-5					
	Min V _y	9.23	-0.02	0.13	0.00	0.10	0.01	LC 1-4					
	Max V _z	9.45	-0.02	0.13	0.00	0.09	0.01	LC 1-4					
	Min V _z	6.48	0.02	0.00	-0.01	0.21	-0.01	LC 1-5					
	Max M _T	9.73	-0.02	0.13	0.00	0.09	0.01	LC 1-4					
	Min M _T	6.21	0.02	0.00	-0.01	0.21	-0.01	LC 1-5					
	Max M _y	5.08	0.01	0.01	-0.00	0.22	-0.00	LC 1-5					
	Min M _y	10.85	-0.01	0.12	0.00	0.08	0.01	LC 1-4					
	Max M _z	9.31	-0.02	0.13	0.00	0.10	0.01	LC 1-4					
	Min M _z	6.62	0.02	0.01	-0.01	0.20	-0.01	LC 1-5					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
113	RC6			Max M _z	9.31	-0.02	0.13	0.00	0.10	0.01	LC 1-4	
114	RC1	78	0.000 Left	Min M _z	6.62	0.02	0.01	-0.01	0.20	-0.01	LC 1-5	
				Max N	12.39	0.00	-1.09	0.00	0.78	0.00	CO 7	
				Min N	1.54	0.00	-0.18	0.00	0.20	0.00	CO 10	
				Max V _y	11.98	0.00	-1.08	0.00	0.77	0.00	CO 4	
				Min V _y	1.95	0.00	-0.19	0.00	0.21	0.00	CO 13	
				Max V _z	1.76	0.00	-0.18	0.00	0.20	0.00	CO 14	
				Min V _z	12.19	0.00	-1.09	0.00	0.79	0.00	CO 5	
				Max M _T	1.95	0.00	-0.19	0.00	0.21	0.00	CO 13	
				Min M _T	11.98	0.00	-1.08	0.00	0.77	0.00	CO 4	
				Max M _y	12.19	0.00	-1.09	0.00	0.79	0.00	CO 5	
				Min M _y	1.76	0.00	-0.18	0.00	0.20	0.00	CO 14	
				Max M _z	11.98	0.00	-1.08	0.00	0.77	0.00	CO 4	
			0.000 Right	Min M _z	1.95	0.00	-0.19	0.00	0.21	0.00	CO 13	
				Max N	12.39	0.00	-1.09	0.00	0.78	0.00	CO 7	
				Min N	1.54	0.00	-0.18	0.00	0.20	0.00	CO 10	
				Max V _y	11.98	0.00	-1.08	0.00	0.77	0.00	CO 4	
				Min V _y	1.95	0.00	-0.19	0.00	0.21	0.00	CO 13	
				Max V _z	1.76	0.00	-0.18	0.00	0.20	0.00	CO 14	
				Min V _z	12.19	0.00	-1.09	0.00	0.79	0.00	CO 5	
				Max M _T	1.95	0.00	-0.19	0.00	0.21	0.00	CO 13	
				Min M _T	11.98	0.00	-1.08	0.00	0.77	0.00	CO 4	
				Max M _y	12.19	0.00	-1.09	0.00	0.79	0.00	CO 5	
				Min M _y	1.76	0.00	-0.18	0.00	0.20	0.00	CO 14	
				Max M _z	11.98	0.00	-1.08	0.00	0.77	0.00	CO 4	
			0.349 Left	Min M _z	1.95	0.00	-0.19	0.00	0.21	0.00	CO 13	
				Max N	12.41	0.00	-0.76	0.00	0.45	0.00	CO 7	
				Min N	1.55	0.00	-0.15	0.00	0.14	0.00	CO 10	
				Max V _y	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
				Min V _y	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Max V _z	1.77	0.00	-0.15	0.00	0.14	0.00	CO 14	
				Min V _z	12.20	0.00	-0.76	0.00	0.45	0.00	CO 5	
				Max M _T	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Min M _T	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
				Max M _y	12.20	0.00	-0.76	0.00	0.45	0.00	CO 5	
				Min M _y	1.77	0.00	-0.15	0.00	0.14	0.00	CO 14	
				Max M _z	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
			0.349 Right	Min M _z	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Max N	12.41	0.00	-0.76	0.00	0.45	0.00	CO 7	
				Min N	1.55	0.00	-0.15	0.00	0.14	0.00	CO 10	
				Max V _y	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
				Min V _y	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Max V _z	1.77	0.00	-0.15	0.00	0.14	0.00	CO 14	
				Min V _z	12.20	0.00	-0.76	0.00	0.45	0.00	CO 5	
				Max M _T	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Min M _T	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
				Max M _y	12.20	0.00	-0.76	0.00	0.45	0.00	CO 5	
				Min M _y	1.77	0.00	-0.15	0.00	0.14	0.00	CO 14	
				Max M _z	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
			0.353 Left	Min M _z	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Max N	12.41	0.00	-0.75	0.00	0.44	0.00	CO 7	
				Min N	1.55	0.00	-0.15	0.00	0.14	0.00	CO 10	
				Max V _y	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
				Min V _y	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Max V _z	1.77	0.00	-0.15	0.00	0.14	0.00	CO 14	
				Min V _z	12.20	0.00	-0.76	0.00	0.45	0.00	CO 5	
				Max M _T	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Min M _T	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
				Max M _y	12.20	0.00	-0.76	0.00	0.45	0.00	CO 5	
				Min M _y	1.77	0.00	-0.15	0.00	0.14	0.00	CO 14	
				Max M _z	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
			0.353 Right	Min M _z	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Max N	12.41	0.00	-0.75	0.00	0.44	0.00	CO 7	
				Min N	1.55	0.00	-0.15	0.00	0.14	0.00	CO 10	
				Max V _y	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
				Min V _y	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Max V _z	1.77	0.00	-0.15	0.00	0.14	0.00	CO 14	
				Min V _z	12.20	0.00	-0.76	0.00	0.45	0.00	CO 5	
				Max M _T	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Min M _T	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
				Max M _y	12.20	0.00	-0.76	0.00	0.45	0.00	CO 5	
				Min M _y	1.77	0.00	-0.15	0.00	0.14	0.00	CO 14	
				Max M _z	12.00	0.00	-0.75	0.00	0.43	0.00	CO 4	
			1.407 Left	Min M _z	1.96	0.00	-0.16	0.00	0.15	0.00	CO 13	
				Max N	12.44	0.00	0.05	0.00	0.24	-0.00	CO 7	
				Min N	1.59	0.00	-0.05	0.00	0.03	0.00	CO 10	
				Max V _y	12.03	0.00	0.06	0.00	0.23	-0.00	CO 4	
				Min V _y	2.00	0.00	-0.06	0.00	0.04	-0.00	CO 13	
				Max V _z	12.24	0.00	0.06	0.00	0.23	-0.00	CO 2	
				Min V _z	1.79	0.00	-0.06	0.00	0.04	-0.00	CO 11	
				Max M _T	2.00	0.00	-0.06	0.00	0.04	-0.00	CO 13	
				Min M _T	12.03	0.00	0.06	0.00	0.23	-0.00	CO 4	
				Max M _y	12.44	0.00	0.05	0.00	0.24	-0.00	CO 7	
				Min M _y	1.59	0.00	-0.05	0.00	0.03	0.00	CO 10	
				Max M _z	1.81	0.00	-0.05	0.00	0.03	0.00	CO 14	
			81	1.407 Right	Min M _z	12.22	0.00	0.05	0.00	0.24	-0.00	CO 3
					Max N	12.44	0.00	0.05	0.00	0.24	-0.00	CO 7
					Min N	1.59	0.00	-0.05	0.00	0.03	0.00	CO 10
					Max V _y	12.03	0.00	0.06	0.00	0.23	-0.00	CO 4
					Min V _y	2.00	0.00	-0.06	0.00	0.04	-0.00	CO 13
					Max V _z	12.24	0.00	0.06	0.00	0.23	-0.00	CO 2
Min V _z	1.79	0.00			-0.06	0.00	0.04	-0.00	CO 11			

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]				Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z		M _T	M _y	M _z		
114	RC1				Max M _T	2.00	0.00	-0.06	▷	0.00	0.04	-0.00	CO 13
					Min M _T	12.03	0.00	0.06	▷	0.00	0.23	-0.00	CO 4
					Max M _y	12.44	0.00	0.05		0.00	0.24	-0.00	CO 7
					Min M _y	1.59	0.00	-0.05		0.00	0.03	0.00	CO 10
					Max M _z	1.81	0.00	-0.05		0.00	0.03	0.00	CO 14
					Min M _z	12.22	0.00	0.05		0.00	0.24	-0.00	CO 3
	RC2	78	0.000 Left	Max N	8.97	0.00	-0.80	0.00	0.57	0.00	0.00	CO 21	
				Min N	0.95	0.00	-0.13	0.00	0.14	0.00	0.00	CO 24	
				Max V _y	8.68	▷	-0.79	0.00	0.56	0.00	0.00	CO 18	
				Min V _y	1.24	▷	0.00	0.00	0.15	0.00	0.00	CO 27	
				Max V _z	1.12	0.00	▷	-0.13	0.00	0.14	0.00	CO 28	
				Min V _z	8.82	0.00	▷	-0.80	0.00	0.57	0.00	CO 19	
				Max M _T	1.24	0.00	-0.13	▷	0.00	0.15	0.00	CO 27	
				Min M _T	8.68	0.00	-0.79	▷	0.00	0.56	0.00	CO 18	
				Max M _y	8.82	0.00	-0.80		0.00	0.57	0.00	CO 19	
				Min M _y	1.12	0.00	-0.13		0.00	0.14	0.00	CO 28	
				Max M _z	8.68	0.00	-0.79		0.00	0.56	▷	0.00	CO 18
				Min M _z	1.24	0.00	-0.13		0.00	0.15	▷	0.00	CO 27
				Max N	8.97	0.00	-0.80	0.00	0.57	0.00	0.00	CO 21	
				Min N	0.95	0.00	-0.13	0.00	0.14	0.00	0.00	CO 24	
				Max V _y	8.68	▷	-0.79	0.00	0.56	0.00	0.00	CO 18	
				Min V _y	1.24	▷	0.00	0.00	0.15	0.00	0.00	CO 27	
				Max V _z	1.12	0.00	▷	-0.13	0.00	0.14	0.00	CO 28	
				Min V _z	8.82	0.00	▷	-0.80	0.00	0.57	0.00	CO 19	
				Max M _T	1.24	0.00	-0.13	0.00	0.15	0.00	0.00	CO 27	
				Min M _T	8.68	0.00	-0.79	▷	0.00	0.56	0.00	CO 18	
				Max M _y	8.82	0.00	-0.80		0.00	0.57	0.00	CO 19	
				Min M _y	1.12	0.00	-0.13		0.00	0.14	0.00	CO 28	
				Max M _z	8.68	0.00	-0.79		0.00	0.56	▷	0.00	CO 18
				Min M _z	1.24	0.00	-0.13		0.00	0.15	▷	0.00	CO 27
			Max N	8.98	0.00	-0.56	0.00	0.32	0.00	0.00	CO 21		
			Min N	0.96	0.00	-0.11	0.00	0.10	0.00	0.00	CO 24		
			Max V _y	8.69	▷	-0.55	0.00	0.31	0.00	0.00	CO 18		
			Min V _y	1.25	▷	-0.11	0.00	0.10	0.00	0.00	CO 27		
			Max V _z	1.13	0.00	▷	-0.10	0.00	0.10	0.00	CO 28		
			Min V _z	8.82	0.00	▷	-0.56	0.00	0.32	0.00	CO 19		
			Max M _T	1.25	0.00	-0.11	▷	0.00	0.10	0.00	CO 27		
			Min M _T	8.69	0.00	-0.55	▷	0.00	0.31	0.00	CO 18		
			Max M _y	8.82	0.00	-0.56		0.00	0.32	0.00	CO 19		
			Min M _y	1.13	0.00	-0.10		0.00	0.10	0.00	CO 28		
			Max M _z	8.69	0.00	-0.55		0.00	0.31	▷	0.00	CO 18	
			Min M _z	1.25	0.00	-0.11		0.00	0.10	▷	0.00	CO 27	
			Max N	8.98	0.00	-0.56	0.00	0.32	0.00	0.00	CO 21		
			Min N	0.96	0.00	-0.11	0.00	0.10	0.00	0.00	CO 24		
			Max V _y	8.69	▷	-0.55	0.00	0.31	0.00	0.00	CO 18		
			Min V _y	1.25	▷	-0.11	0.00	0.10	0.00	0.00	CO 27		
			Max V _z	1.13	0.00	▷	-0.10	0.00	0.10	0.00	CO 28		
			Min V _z	8.82	0.00	▷	-0.56	0.00	0.32	0.00	CO 19		
			Max M _T	1.25	0.00	-0.11	▷	0.00	0.10	0.00	CO 27		
			Min M _T	8.69	0.00	-0.55	▷	0.00	0.31	0.00	CO 18		
			Max M _y	8.82	0.00	-0.56		0.00	0.32	0.00	CO 19		
			Min M _y	1.13	0.00	-0.10		0.00	0.10	0.00	CO 28		
			Max M _z	8.69	0.00	-0.55		0.00	0.31	▷	0.00	CO 18	
			Min M _z	1.25	0.00	-0.11		0.00	0.10	▷	0.00	CO 27	
	Max N	8.98	0.00	-0.55	0.00	0.32	0.00	0.00	CO 21				
	Min N	0.96	0.00	-0.11	0.00	0.10	0.00	0.00	CO 24				
	Max V _y	8.69	▷	-0.55	0.00	0.31	0.00	0.00	CO 18				
	Min V _y	1.25	▷	-0.11	0.00	0.10	0.00	0.00	CO 27				
	Max V _z	1.13	0.00	▷	-0.10	0.00	0.09	0.00	CO 28				
	Min V _z	8.83	0.00	▷	-0.55	0.00	0.32	0.00	CO 19				
	Max M _T	1.25	0.00	-0.11	▷	0.00	0.10	0.00	CO 27				
	Min M _T	8.69	0.00	-0.55	▷	0.00	0.31	0.00	CO 18				
	Max M _y	8.83	0.00	-0.55		0.00	0.32	0.00	CO 19				
	Min M _y	1.13	0.00	-0.10		0.00	0.09	0.00	CO 28				
	Max M _z	8.69	0.00	-0.55		0.00	0.31	▷	0.00	CO 18			
	Min M _z	1.25	0.00	-0.11		0.00	0.10	▷	0.00	CO 27			
	Max N	9.00	0.00	0.04	0.00	0.17	-0.00	0.00	CO 21				
	Min N	0.99	0.00	-0.03	0.00	0.02	-0.00	0.00	CO 24				
	Max V _y	8.71	▷	0.05	0.00	0.17	-0.00	0.00	CO 18				
	Min V _y	1.28	▷	-0.04	0.00	0.03	-0.00	0.00	CO 27				
	Max V _z	8.87	0.00	▷	0.05	0.00	0.17	-0.00	CO 16				
	Min V _z	1.13	0.00	▷	-0.04	0.00	0.03	-0.00	CO 25				
	Max M _T	1.28	0.00	-0.04	▷	0.00	0.03	-0.00	CO 27				
	Min M _T	8.71	0.00	0.05	▷	0.00	0.17	-0.00	CO 18				
	Max M _y	9.00	0.00	0.04		0.00	0.17	-0.00	CO 21				
	Min M _y	0.99	0.00	-0.03		0.00	0.02	0.00	CO 24				
	Max M _z	1.16	0.00	-0.03		0.00	0.02	▷	0.00	CO 28			
	Min M _z	8.84	0.00	0.04		0.00	0.17	-0.00	CO 17				
	Max N	9.00	0.00	0.04		0.00	0.17	-0.00	CO 21				
	Min N	0.99	0.00	-0.03		0.00	0.02	0.00	CO 24				

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases	
114	RC2	78	0.000 Left	Max V _y	8.71	0.00	0.05	0.00	0.17	-0.00	CO 18
				Min V _y	1.28	0.00	-0.04	0.00	0.03	-0.00	CO 27
				Max V _z	8.87	0.00	0.05	0.00	0.17	-0.00	CO 16
				Min V _z	1.13	0.00	-0.04	0.00	0.03	-0.00	CO 25
				Max M _T	1.28	0.00	-0.04	0.00	0.03	-0.00	CO 27
				Min M _T	8.71	0.00	0.05	0.00	0.17	-0.00	CO 18
				Max M _y	9.00	0.00	0.04	0.00	0.17	-0.00	CO 21
				Min M _y	0.99	0.00	-0.03	0.00	0.02	0.00	CO 24
				Max M _z	1.16	0.00	-0.03	0.00	0.02	0.00	CO 28
				Min M _z	8.84	0.00	0.04	0.00	0.17	-0.00	CO 17
				Max N	9.09	0.02	-0.76	-0.00	0.47	0.02	LC 1-4
				Min N	4.04	-0.02	-0.72	0.00	0.48	-0.02	LC 1-5
				Max V _y	7.53	0.04	-0.80	-0.01	0.55	0.04	LC 1-5
				Min V _y	5.61	-0.04	-0.68	0.01	0.39	-0.04	LC 1-4
				Max V _z	7.61	-0.02	-0.67	0.01	0.33	-0.02	LC 1-4
				Min V _z	5.53	0.03	-0.81	-0.01	0.61	0.03	LC 1-5
				Max M _T	5.49	-0.04	-0.68	0.01	0.40	-0.04	LC 1-5
				Min M _T	7.65	0.04	-0.80	-0.01	0.55	0.04	LC 1-4
				Max M _y	5.26	0.03	-0.81	-0.01	0.62	0.03	LC 1-5
				Min M _y	7.88	-0.02	-0.67	0.00	0.33	-0.02	LC 1-4
				Max M _z	7.51	0.04	-0.80	-0.01	0.55	0.04	LC 1-5
				Min M _z	5.63	-0.04	-0.68	0.01	0.39	-0.04	LC 1-4
				Max N	9.09	0.02	-0.76	-0.00	0.47	0.02	LC 1-4
				Min N	4.04	-0.02	-0.72	0.00	0.48	-0.02	LC 1-5
				Max V _y	7.53	0.04	-0.80	-0.01	0.55	0.04	LC 1-5
				Min V _y	5.61	-0.04	-0.68	0.01	0.39	-0.04	LC 1-4
				Max V _z	7.61	-0.02	-0.67	0.01	0.33	-0.02	LC 1-4
				Min V _z	5.53	0.03	-0.81	-0.01	0.61	0.03	LC 1-5
				Max M _T	5.49	-0.04	-0.68	0.01	0.40	-0.04	LC 1-5
				Min M _T	7.65	0.04	-0.80	-0.01	0.55	0.04	LC 1-4
				Max M _y	5.26	0.03	-0.81	-0.01	0.62	0.03	LC 1-5
				Min M _y	7.88	-0.02	-0.67	0.00	0.33	-0.02	LC 1-4
				Max M _z	7.51	0.04	-0.80	-0.01	0.55	0.04	LC 1-5
				Min M _z	5.63	-0.04	-0.68	0.01	0.39	-0.04	LC 1-4
				Max N	9.10	0.02	-0.52	-0.00	0.23	0.01	LC 1-4
				Min N	4.05	-0.02	-0.48	0.00	0.26	-0.01	LC 1-5
				Max V _y	7.54	0.04	-0.56	-0.01	0.30	0.03	LC 1-5
				Min V _y	5.62	-0.04	-0.44	0.01	0.19	-0.03	LC 1-4
				Max V _z	7.62	-0.02	-0.43	0.01	0.13	-0.02	LC 1-4
				Min V _z	5.53	0.03	-0.57	-0.01	0.36	0.02	LC 1-5
				Max M _T	5.50	-0.04	-0.44	0.01	0.19	-0.02	LC 1-5
				Min M _T	7.66	0.04	-0.56	-0.01	0.30	0.03	LC 1-4
				Max M _y	5.17	0.03	-0.57	-0.00	0.37	0.02	LC 1-5
				Min M _y	7.98	-0.02	-0.43	0.00	0.13	-0.01	LC 1-4
				Max M _z	7.51	0.04	-0.56	-0.01	0.30	0.03	LC 1-5
				Min M _z	5.65	-0.04	-0.44	0.01	0.19	-0.03	LC 1-4
				Max N	9.10	0.02	-0.52	-0.00	0.23	0.01	LC 1-4
				Min N	4.05	-0.02	-0.48	0.00	0.26	-0.01	LC 1-5
				Max V _y	7.54	0.04	-0.56	-0.01	0.30	0.03	LC 1-5
				Min V _y	5.62	-0.04	-0.43	0.01	0.19	-0.03	LC 1-4
				Max V _z	7.62	-0.02	-0.43	0.01	0.13	-0.02	LC 1-4
				Min V _z	5.53	0.03	-0.57	-0.01	0.36	0.02	LC 1-5
				Max M _T	5.50	-0.04	-0.43	0.01	0.19	-0.02	LC 1-5
				Min M _T	7.66	0.04	-0.56	-0.01	0.30	0.03	LC 1-4
				Max M _y	5.17	0.03	-0.56	-0.00	0.36	0.02	LC 1-5
				Min M _y	7.98	-0.02	-0.43	0.00	0.12	-0.01	LC 1-4
				Max M _z	7.51	0.04	-0.56	-0.01	0.30	0.03	LC 1-5
				Min M _z	5.65	-0.04	-0.43	0.01	0.19	-0.03	LC 1-4
				Max N	9.10	0.02	-0.52	-0.00	0.23	0.01	LC 1-4
				Min N	4.05	-0.02	-0.47	0.00	0.26	-0.01	LC 1-5
				Max V _y	7.54	0.04	-0.56	-0.01	0.30	0.03	LC 1-5
				Min V _y	5.62	-0.04	-0.43	0.01	0.19	-0.03	LC 1-4
				Max V _z	7.62	-0.02	-0.43	0.01	0.13	-0.02	LC 1-4
				Min V _z	5.53	0.03	-0.57	-0.01	0.36	0.02	LC 1-5
				Max M _T	5.50	-0.04	-0.43	0.01	0.19	-0.02	LC 1-5
				Min M _T	7.66	0.04	-0.56	-0.01	0.30	0.03	LC 1-4
				Max M _y	5.17	0.03	-0.56	-0.00	0.36	0.01	LC 1-5
				Min M _y	7.98	-0.02	-0.43	0.00	0.12	-0.01	LC 1-4
				Max M _z	7.51	0.04	-0.56	-0.01	0.30	0.03	LC 1-5
				Min M _z	5.65	-0.04	-0.43	0.01	0.19	-0.03	LC 1-4
				Max N	9.13	0.02	0.07	-0.00	0.11	-0.01	LC 1-4
				Min N	4.08	-0.02	0.12	0.00	0.19	0.01	LC 1-5
				Max V _y	7.57	0.04	0.03	-0.01	0.15	-0.02	LC 1-5
				Min V _y	5.65	-0.04	0.16	0.01	0.16	0.02	LC 1-4
				Max V _z	7.65	-0.02	0.16	0.01	0.11	0.01	LC 1-4
				Min V _z	5.56	0.03	0.02	-0.01	0.19	-0.01	LC 1-5
				Max M _T	5.52	-0.04	0.15	0.01	0.16	0.02	LC 1-5
				Min M _T	7.69	0.04	0.03	-0.01	0.14	-0.02	LC 1-4
				Max M _y	4.40	0.01	0.05	-0.00	0.21	-0.00	LC 1-5
				Min M _y	8.81	-0.00	0.14	0.00	0.09	0.00	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
114	RC6	81	1.407 Right	Max M _z	5.50	-0.04	0.15	0.01	0.16	0.02	LC 1-5
				Min M _z	7.71	0.04	0.03	-0.01	0.14	-0.02	LC 1-4
				Max N	9.13	0.02	0.07	-0.00	0.11	-0.01	LC 1-4
				Min N	4.08	-0.02	0.12	0.00	0.19	0.01	LC 1-5
				Max V _y	7.57	0.04	0.03	-0.01	0.15	-0.02	LC 1-5
				Min V _y	5.65	-0.04	0.16	0.01	0.16	0.02	LC 1-4
				Max V _z	7.65	-0.02	0.16	0.01	0.11	0.01	LC 1-4
				Min V _z	5.56	0.03	0.02	-0.01	0.19	-0.01	LC 1-5
				Max M _T	5.52	-0.04	0.15	0.01	0.16	0.02	LC 1-5
				Min M _T	7.69	0.04	0.03	-0.01	0.14	-0.02	LC 1-4
				Max M _y	4.40	0.01	0.05	-0.00	0.21	-0.00	LC 1-5
				Min M _y	8.81	-0.00	0.14	0.00	0.09	0.00	LC 1-4
				Max M _z	5.50	-0.04	0.15	0.01	0.16	0.02	LC 1-5
				Min M _z	7.71	0.04	0.03	-0.01	0.14	-0.02	LC 1-4
				Max N	2.78	-0.00	-3.04	0.00	2.48	-0.00	CO 8
				Min N	0.09	-0.00	-0.24	0.00	0.22	0.00	CO 9
				Max V _y	0.13	-0.00	-0.24	0.00	0.22	0.00	CO 12
115	RC1	89	0.000 Left	Min V _y	2.73	-0.00	-3.04	0.00	2.48	-0.00	CO 1
				Max V _z	0.09	-0.00	-0.24	0.00	0.22	0.00	CO 13
				Min V _z	2.78	-0.00	-3.04	0.00	2.49	-0.00	CO 4
				Max M _T	0.09	-0.00	-0.24	0.00	0.22	0.00	CO 13
				Min M _T	2.78	-0.00	-3.04	0.00	2.49	-0.00	CO 4
				Max M _y	2.78	-0.00	-3.04	0.00	2.49	-0.00	CO 4
				Min M _y	0.09	-0.00	-0.24	0.00	0.22	0.00	CO 13
				Max M _z	0.13	-0.00	-0.24	0.00	0.22	0.00	CO 12
				Min M _z	2.73	-0.00	-3.04	0.00	2.48	-0.00	CO 1
				Max N	2.78	-0.00	-3.04	0.00	2.48	-0.00	CO 8
				Min N	0.09	-0.00	-0.24	0.00	0.22	0.00	CO 9
				Max V _y	0.13	-0.00	-0.24	0.00	0.22	0.00	CO 12
				Min V _y	2.73	-0.00	-3.04	0.00	2.48	-0.00	CO 1
				Max V _z	0.09	-0.00	-0.24	0.00	0.22	0.00	CO 13
				Min V _z	2.78	-0.00	-3.04	0.00	2.49	-0.00	CO 4
				Max M _T	0.09	-0.00	-0.24	0.00	0.22	0.00	CO 13
				Min M _T	2.78	-0.00	-3.04	0.00	2.49	-0.00	CO 4
				Max M _y	2.78	-0.00	-3.04	0.00	2.49	-0.00	CO 4
				Min M _y	0.09	-0.00	-0.24	0.00	0.22	0.00	CO 13
				Max M _z	0.13	-0.00	-0.24	0.00	0.22	0.00	CO 12
				Min M _z	2.73	-0.00	-3.04	0.00	2.48	-0.00	CO 1
				Max N	2.73	-0.00	-1.78	0.00	-0.73	0.00	CO 8
				Min N	0.03	-0.00	-0.13	0.00	-0.00	0.00	CO 9
				Max V _y	0.08	-0.00	-0.13	0.00	-0.01	0.00	CO 12
				Min V _y	2.68	-0.00	-1.78	0.00	-0.72	0.00	CO 1
				Max V _z	0.03	-0.00	-0.13	0.00	-0.01	0.00	CO 13
				Min V _z	2.72	-0.00	-1.78	0.00	-0.72	0.00	CO 4
				Max M _T	0.03	-0.00	-0.13	0.00	-0.01	0.00	CO 13
				Min M _T	2.72	-0.00	-1.78	0.00	-0.72	0.00	CO 4
				Max M _y	0.08	-0.00	-0.13	0.00	-0.00	0.00	CO 10
				Min M _y	2.68	-0.00	-1.78	0.00	-0.73	0.00	CO 7
				Max M _z	0.03	-0.00	-0.13	0.00	-0.01	0.00	CO 11
				Min M _z	2.73	-0.00	-1.78	0.00	-0.72	0.00	CO 2
				Max N	2.73	-0.00	-1.78	0.00	-0.73	0.00	CO 8
				Min N	0.03	-0.00	-0.13	0.00	-0.00	0.00	CO 9
				Max V _y	0.08	-0.00	-0.13	0.00	-0.01	0.00	CO 12
				Min V _y	2.68	-0.00	-1.78	0.00	-0.74	0.00	CO 1
				Max V _z	0.03	-0.00	-0.13	0.00	-0.01	0.00	CO 13
				Min V _z	2.72	-0.00	-1.78	0.00	-0.74	0.00	CO 4
				Max M _T	0.03	-0.00	-0.13	0.00	-0.01	0.00	CO 13
				Min M _T	2.72	-0.00	-1.78	0.00	-0.74	0.00	CO 4
				Max M _y	0.07	-0.00	-0.13	0.00	-0.01	0.00	CO 10
				Min M _y	2.68	-0.00	-1.78	0.00	-0.74	0.00	CO 7
				Max M _z	0.03	-0.00	-0.13	0.00	-0.01	0.00	CO 11
				Min M _z	2.73	-0.00	-1.78	0.00	-0.74	0.00	CO 2
				Max N	2.59	-0.00	4.20	0.00	2.87	0.01	CO 8
				Min N	-0.11	-0.00	0.13	0.00	-0.01	0.00	CO 9
				Max V _y	-0.06	-0.00	0.13	0.00	-0.01	0.00	CO 12
				Min V _y	2.54	-0.00	4.20	0.00	2.87	0.01	CO 1
				Max V _z	2.54	-0.00	4.21	0.00	2.87	0.01	CO 7
				Min V _z	-0.06	-0.00	0.13	0.00	-0.01	0.00	CO 10



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z				
115	RC1	87	4.232 Right	Max M _T	2.54	-0.00	4.21	▷	0.00	2.87	0.01	CO 7	
				Min M _T	-0.06	-0.00	0.13	▷	0.00	-0.01	0.00	CO 10	
				Max M _y	2.54	-0.00	4.20	0.00	▷	2.87	0.01	CO 5	
				Min M _y	-0.06	-0.00	0.13	0.00	▷	-0.01	0.00	CO 10	
				Max M _z	2.54	-0.00	4.20	0.00	0.00	2.87	▷	0.01	CO 1
				Min M _z	-0.06	-0.00	0.13	0.00	0.00	-0.01	0.00	CO 12	
				Max N	2.59	-0.00	4.20	0.00	0.00	2.87	▷	0.01	CO 8
				Min N	-0.11	-0.00	0.13	0.00	0.00	-0.01	0.00	CO 9	
				Max V _y	-0.06	-0.00	0.13	0.00	0.00	-0.01	0.00	CO 12	
				Min V _y	2.54	-0.00	4.20	0.00	0.00	2.87	▷	0.01	CO 1
				Max V _z	2.54	-0.00	▷	4.21	0.00	2.87	0.01	CO 7	
				Min V _z	-0.06	-0.00	▷	0.13	0.00	-0.01	0.00	CO 10	
				Max M _T	2.54	-0.00	4.21	▷	0.00	2.87	0.01	CO 7	
				Min M _T	-0.06	-0.00	0.13	▷	0.00	-0.01	0.00	CO 10	
				Max M _y	2.54	-0.00	4.21	0.00	▷	2.87	0.01	CO 5	
				Min M _y	-0.06	-0.00	0.13	0.00	▷	-0.01	0.00	CO 10	
				Max M _z	2.54	-0.00	4.20	0.00	0.00	2.87	▷	0.01	CO 1
				Min M _z	-0.06	-0.00	0.13	0.00	-0.01	0.00	▷	0.00	CO 12
	RC2	89	0.000 Left	Max N	2.06	-0.00	-2.25	0.00	1.83	-0.00	0.00	CO 22	
				Min N	0.07	-0.00	-0.17	0.00	0.16	0.00	0.00	CO 23	
				Max V _y	0.10	▷	-0.00	-0.17	0.00	0.16	0.00	CO 26	
				Min V _y	2.03	▷	-0.00	-2.25	0.00	1.83	-0.00	CO 15	
				Max V _z	0.07	-0.00	▷	-0.17	0.00	0.15	0.00	CO 27	
				Min V _z	2.06	-0.00	▷	-2.25	0.00	1.84	-0.00	CO 18	
				Max M _T	0.07	-0.00	▷	-0.17	0.00	0.15	0.00	CO 27	
				Min M _T	2.06	-0.00	-2.25	▷	0.00	1.84	-0.00	CO 18	
				Max M _y	2.06	-0.00	-2.25	0.00	▷	1.84	-0.00	CO 18	
				Min M _y	0.07	-0.00	-0.17	0.00	▷	0.15	0.00	CO 27	
				Max M _z	0.10	-0.00	-0.17	0.00	▷	0.16	0.00	CO 26	
				Min M _z	2.03	-0.00	-2.25	0.00	1.83	▷	-0.00	CO 15	
			0.000 Right	Max N	2.06	-0.00	-2.25	0.00	1.83	-0.00	0.00	CO 22	
				Min N	0.07	-0.00	-0.17	0.00	0.16	0.00	0.00	CO 23	
				Max V _y	0.10	▷	-0.00	-0.17	0.00	0.16	0.00	CO 26	
				Min V _y	2.03	▷	-0.00	-2.25	0.00	1.83	-0.00	CO 15	
				Max V _z	0.07	-0.00	▷	-0.17	0.00	0.15	0.00	CO 27	
				Min V _z	2.06	-0.00	▷	-2.25	0.00	1.84	-0.00	CO 18	
				Max M _T	0.07	-0.00	▷	-0.17	0.00	0.15	0.00	CO 27	
				Min M _T	2.06	-0.00	-2.25	▷	0.00	1.84	-0.00	CO 18	
				Max M _y	2.06	-0.00	-2.25	0.00	▷	1.84	-0.00	CO 18	
				Min M _y	0.07	-0.00	-0.17	0.00	▷	0.15	0.00	CO 27	
				Max M _z	0.10	-0.00	-0.17	0.00	▷	0.16	0.00	CO 26	
				Min M _z	2.03	-0.00	-2.25	0.00	1.83	▷	-0.00	CO 15	
			1.233 Left	Max N	2.02	-0.00	-1.32	0.00	-0.54	0.00	0.00	CO 22	
				Min N	0.03	-0.00	-0.10	0.00	-0.01	0.00	0.00	CO 23	
				Max V _y	0.06	▷	-0.00	-0.10	0.00	-0.01	0.00	CO 26	
				Min V _y	1.98	▷	-0.00	-1.32	0.00	-0.54	0.00	CO 15	
				Max V _z	0.03	-0.00	▷	-0.09	0.00	-0.01	0.00	CO 27	
				Min V _z	2.02	-0.00	▷	-1.32	0.00	-0.54	0.00	CO 18	
				Max M _T	0.03	-0.00	-0.09	▷	0.00	-0.01	0.00	CO 27	
				Min M _T	2.02	-0.00	-1.32	▷	0.00	-0.54	0.00	CO 18	
				Max M _y	0.06	-0.00	-0.10	0.00	▷	-0.01	0.00	CO 24	
				Min M _y	1.99	-0.00	-1.31	0.00	▷	-0.54	0.00	CO 21	
				Max M _z	0.03	-0.00	-0.09	0.00	▷	-0.01	0.00	CO 25	
				Min M _z	2.02	-0.00	-1.32	0.00	-0.54	▷	0.00	CO 16	
			1.233 Right	Max N	2.02	-0.00	-1.32	0.00	-0.54	0.00	0.00	CO 22	
				Min N	0.03	-0.00	-0.10	0.00	-0.01	0.00	0.00	CO 23	
				Max V _y	0.06	▷	-0.00	-0.10	0.00	-0.01	0.00	CO 26	
				Min V _y	1.98	▷	-0.00	-1.32	0.00	-0.54	0.00	CO 15	
				Max V _z	0.03	-0.00	▷	-0.09	0.00	-0.01	0.00	CO 27	
				Min V _z	2.02	-0.00	▷	-1.32	0.00	-0.54	0.00	CO 18	
				Max M _T	0.03	-0.00	-0.09	▷	0.00	-0.01	0.00	CO 27	
				Min M _T	2.02	-0.00	-1.32	▷	0.00	-0.54	0.00	CO 18	
				Max M _y	0.06	-0.00	-0.10	0.00	▷	-0.01	0.00	CO 24	
				Min M _y	1.99	-0.00	-1.31	0.00	▷	-0.54	0.00	CO 21	
				Max M _z	0.03	-0.00	-0.09	0.00	▷	-0.01	0.00	CO 25	
				Min M _z	2.02	-0.00	-1.32	0.00	-0.54	▷	0.00	CO 16	
			1.240 Left	Max N	2.02	-0.00	-1.30	0.00	-0.55	0.00	0.00	CO 22	
				Min N	0.03	-0.00	-0.09	0.00	-0.01	0.00	0.00	CO 23	
				Max V _y	0.06	▷	-0.00	-0.09	0.00	-0.01	0.00	CO 26	
				Min V _y	1.98	▷	-0.00	-1.30	0.00	-0.55	0.00	CO 15	
				Max V _z	0.03	-0.00	▷	-0.09	0.00	-0.01	0.00	CO 27	
				Min V _z	2.01	-0.00	▷	-1.31	0.00	-0.55	0.00	CO 18	
				Max M _T	0.03	-0.00	-0.09	▷	0.00	-0.01	0.00	CO 27	
				Min M _T	2.01	-0.00	-1.31	▷	0.00	-0.55	0.00	CO 18	
				Max M _y	0.06	-0.00	-0.10	0.00	▷	-0.01	0.00	CO 24	
				Min M _y	1.99	-0.00	-1.30	0.00	▷	-0.55	0.00	CO 21	
				Max M _z	0.03	-0.00	-0.09	0.00	▷	-0.01	0.00	CO 25	
				Min M _z	2.02	-0.00	-1.31	0.00	-0.55	▷	0.00	CO 16	
			1.240 Right	Max N	2.02	-0.00	-1.30	0.00	-0.55	0.00	0.00	CO 22	
				Min N	0.03	-0.00	-0.09	0.00	-0.01	0.00	0.00	CO 23	
				Max V _y	0.06	▷	-0.00	-0.09	0.00	-0.01	0.00	CO 26	
				Min V _y	1.98	▷	-0.00	-1.30	0.00	-0.55	0.00	CO 15	
				Max V _z	0.03	-0.00	▷	-0.09	0.00	-0.01	0.00	CO 27	
				Min V _z	2.01	-0.00	▷	-1.31	0.00	-0.55	0.00	CO 18	
				Max M _T	0.03	-0.00	-0.09	▷	0.00	-0.01	0.00	CO 27	
				Min M _T	2.01	-0.00	-1.31	▷	0.00	-0.55	0.00	CO 18	
				Max M _y	0.06	-0.00	-0.10	0.00	▷	-0.01	0.00	CO 24	
				Min M _y	1.99	-0.00	-1.30	0.00	▷	-0.55	0.00	CO 21	
				Max M _z	0.03	-0.00	-0.09	0.00	▷	-0.01	0.00	CO 25	
				Min M _z	2.02	-0.00	-1.31	0.00	-0.55	▷	0.00	CO 16	
			4.232 Left	Max N	1.91	-0.00	3.12	0.00	2.13	0.01	0.00	CO 22	
				Min N	-0.08	-0.00	0.10	0.00	-0.00	0.00	0.00	CO 23	

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases				
					N	V _y	V _z	M _T	M _y	M _z					
115	RC2	87	4.232 Right	Max V _y	-0.04	▷	-0.00	0.10	0.00	-0.01	0.00	CO 26			
				Min V _y	1.88	▷	-0.00	3.12	0.00	2.13	0.01	CO 15			
				Max V _z	1.88		-0.00	▷	3.12	0.00	2.13	0.01	CO 21		
				Min V _z	-0.05		-0.00	▷	0.10	0.00	-0.01	0.00	CO 24		
				Max M _T	-0.07		-0.00		0.10	▷	0.00	-0.00	0.00	CO 27	
				Min M _T	1.91		-0.00	▷	3.12	▷	0.00	2.13	0.01	CO 18	
				Max M _y	1.88		-0.00		3.12		0.00	2.13	▷	0.01	CO 19
				Min M _y	-0.05		-0.00		0.10	▷	0.00	-0.01	▷	0.00	CO 24
				Max M _z	1.88		-0.00		3.12	▷	0.00	2.13	▷	0.01	CO 15
				Min M _z	-0.04		-0.00		0.10	▷	0.00	-0.01	▷	0.00	CO 26
				Max N	1.91	▷	-0.00		3.12		0.00	2.13	▷	0.01	CO 22
				Min N	-0.08	▷	-0.00		0.10		0.00	-0.00		0.00	CO 23
				Max V _y	-0.04	▷	-0.00	▷	0.10		0.00	-0.01		0.00	CO 26
				Min V _y	1.88	▷	-0.00	▷	3.12		0.00	2.13		0.01	CO 15
				Max V _z	1.88		-0.00	▷	3.12	▷	0.00	2.13		0.01	CO 21
				Min V _z	-0.05		-0.00	▷	0.10	▷	0.00	-0.01		0.00	CO 24
				Max M _T	-0.07		-0.00		0.10	▷	0.00	-0.00		0.00	CO 27
				Min M _T	1.91		-0.00		3.12	▷	0.00	2.13		0.01	CO 18
				Max M _y	1.88		-0.00		3.12	▷	0.00	2.13	▷	0.01	CO 19
				Min M _y	-0.05		-0.00		0.10	▷	0.00	-0.01	▷	0.00	CO 24
				Max M _z	1.88		-0.00		3.12	▷	0.00	2.13	▷	0.01	CO 15
				Min M _z	-0.04		-0.00		0.10		0.00	-0.01	▷	0.00	CO 26
	RC6	89	0.000 Left	Max N	6.56	▷	-0.01	-2.28	-0.00	1.84		-0.02	LC 1-4		
				Min N	-2.37	▷	-0.01	-2.21	0.00	1.73		-0.01	LC 1-5		
				Max V _y	2.17	▷	0.04	-2.24	-0.00	1.77		0.11	LC 1-5		
				Min V _y	2.01	▷	-0.05	-2.25	0.00	1.80		-0.14	LC 1-4		
				Max V _z	-0.41		-0.00	▷	-2.17	0.00	1.64		-0.01	LC 1-5	
				Min V _z	4.59		-0.01	▷	-2.31	-0.00	1.93		-0.03	LC 1-4	
				Max M _T	1.69		-0.04	▷	-2.23	0.00	1.76		-0.10	LC 1-5	
				Min M _T	2.50		0.02	▷	-2.26	-0.00	1.81		0.07	LC 1-4	
				Max M _y	3.86		-0.01		-2.31	-0.00	1.93	▷	-0.03	LC 1-4	
				Min M _y	0.32		-0.00		-2.18	0.00	1.64	▷	-0.01	LC 1-5	
				Max M _z	2.16		0.04		-2.24	-0.00	1.77	▷	0.11	LC 1-5	
				Min M _z	2.03		-0.05		-2.25	0.00	1.80	▷	-0.14	LC 1-4	
			0.000 Right	Max N	6.56	▷	-0.01	-2.28	-0.00	1.84		-0.02	LC 1-4		
				Min N	-2.37	▷	-0.01	-2.21	0.00	1.73		-0.01	LC 1-5		
				Max V _y	2.17	▷	0.04	-2.24	-0.00	1.77		0.11	LC 1-5		
				Min V _y	2.01	▷	-0.05	-2.25	0.00	1.80		-0.14	LC 1-4		
				Max V _z	-0.41		-0.00	▷	-2.17	0.00	1.64		-0.01	LC 1-5	
				Min V _z	4.59		-0.01	▷	-2.31	-0.00	1.93		-0.03	LC 1-4	
				Max M _T	1.69		-0.04	▷	-2.23	0.00	1.76		-0.10	LC 1-5	
				Min M _T	2.50		0.02	▷	-2.26	-0.00	1.81		0.07	LC 1-4	
				Max M _y	3.86		-0.01		-2.31	-0.00	1.93	▷	-0.03	LC 1-4	
				Min M _y	0.32		-0.00		-2.18	0.00	1.64	▷	-0.01	LC 1-5	
				Max M _z	2.16		0.04		-2.24	-0.00	1.77	▷	0.11	LC 1-5	
				Min M _z	2.03		-0.05		-2.25	0.00	1.80	▷	-0.14	LC 1-4	
			1.233 Left	Max N	6.51	▷	-0.01	-1.35	-0.00	-0.57		-0.01	LC 1-4		
				Min N	-2.41	▷	-0.01	-1.27	0.00	-0.59		-0.00	LC 1-5		
				Max V _y	2.13	▷	0.04	-1.30	-0.00	-0.59		0.06	LC 1-5		
				Min V _y	1.97	▷	-0.05	-1.32	0.00	-0.57		-0.08	LC 1-4		
				Max V _z	-0.45		-0.00	▷	-1.24	0.00	-0.64		-0.00	LC 1-5	
				Min V _z	4.55		-0.01	▷	-1.38	-0.00	-0.52		-0.01	LC 1-4	
				Max M _T	1.65		-0.04	▷	-1.30	0.00	-0.59		-0.06	LC 1-5	
				Min M _T	2.45		0.02	▷	-1.32	-0.00	-0.57		0.04	LC 1-4	
				Max M _y	2.56		-0.01		-1.37	-0.00	-0.51	▷	-0.02	LC 1-4	
				Min M _y	1.54		-0.00		-1.25	0.00	-0.65	▷	0.00	LC 1-5	
				Max M _z	2.10		0.04		-1.30	-0.00	-0.59	▷	0.06	LC 1-5	
				Min M _z	2.00		-0.05		-1.32	0.00	-0.57	▷	-0.08	LC 1-4	
			1.233 Right	Max N	6.51	▷	-0.01	-1.35	-0.00	-0.57		-0.01	LC 1-4		
				Min N	-2.41	▷	-0.01	-1.27	0.00	-0.59		-0.00	LC 1-5		
Max V _y				2.13	▷	0.04	-1.30	-0.00	-0.59		0.06	LC 1-5			
Min V _y				1.97	▷	-0.05	-1.32	0.00	-0.57		-0.08	LC 1-4			
Max V _z				-0.45		-0.00	▷	-1.24	0.00	-0.64		-0.00	LC 1-5		
Min V _z				4.55		-0.01	▷	-1.38	-0.00	-0.52		-0.01	LC 1-4		
Max M _T				1.65		-0.04	▷	-1.30	0.00	-0.59		-0.06	LC 1-5		
Min M _T				2.45		0.02	▷	-1.32	-0.00	-0.57		0.04	LC 1-4		
Max M _y				2.56		-0.01		-1.37	-0.00	-0.51	▷	-0.02	LC 1-4		
Min M _y				1.54		-0.00		-1.25	0.00	-0.65	▷	0.00	LC 1-5		
Max M _z				2.10		0.04		-1.30	-0.00	-0.59	▷	0.06	LC 1-5		
Min M _z				2.00		-0.05		-1.32	0.00	-0.57	▷	-0.08	LC 1-4		
1.240 Left	Max N	6.51	▷	-0.01	-1.33	-0.00	-0.58		-0.01	LC 1-4					
	Min N	-2.41	▷	-0.01	-1.26	0.00	-0.60		-0.00	LC 1-5					
	Max V _y	2.13	▷	0.04	-1.29	-0.00	-0.60		0.06	LC 1-5					
	Min V _y	1.97	▷	-0.05	-1.31	0.00	-0.58		-0.08	LC 1-4					
	Max V _z	-0.45		-0.00	▷	-1.23	0.00	-0.65		-0.00	LC 1-5				
	Min V _z	4.55		-0.01	▷	-1.37	-0.00	-0.53		-0.01	LC 1-4				
	Max M _T	1.65		-0.04	▷	-1.29	0.00	-0.60		-0.06	LC 1-5				
	Min M _T	2.45		0.02	▷	-1.31	-0.00	-0.58		0.04	LC 1-4				
	Max M _y	2.54		-0.01		-1.35	-0.00	-0.52	▷	-0.02	LC 1-4				
	Min M _y	1.56		-0.00		-1.24	0.00	-0.66	▷	0.00	LC 1-5				
	Max M _z	2.10		0.04		-1.29	-0.00	-0.60	▷	0.06	LC 1-5				
	Min M _z	2.00		-0.05		-1.31	0.00	-0.58	▷	-0.08	LC 1-4				
	1.240 Right	Max N	6.51	▷	-0.01	-1.33	-0.00	-0.58		-0.01	LC 1-4				
		Min N	-2.41	▷	-0.01	-1.26	0.00	-0.60		-0.00	LC 1-5				
		Max V _y	2.13	▷	0.04	-1.29	-0.00	-0.60		0.06	LC 1-5				
		Min V _y	1.97	▷	-0.05	-1.31	0.00	-0.58		-0.08	LC 1-4				
Max V _z		-0.45		-0.00	▷	-1.23	0.00	-0.65		-0.00	LC 1-5				
Min V _z		4.55		-0.01	▷	-1.37	-0.00	-0.53		-0.01	LC 1-4				
Max M _T		1.65		-0.04	▷	-1.29	0.00	-0.60		-0.06	LC 1-5				
Min M _T		2.45		0.02	▷	-1.31	-0.00	-0.58		0.04	LC 1-4				
Max M _y		2.54		-0.01		-1.35	-0.00	-0.52	▷	-0.02	LC 1-4				
Min M _y		1.56		-0.00		-1.24	0.00	-0.66	▷	0.00	LC 1-5				

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
115	RC6	87	4.232 Left	Max M _z	2.10	0.04	-1.29	-0.00	-0.60	0.06	LC 1-5
				Min M _z	2.00	-0.05	-1.31	0.00	-0.58	-0.08	LC 1-4
				Max N	6.41	-0.01	3.09	-0.00	2.03	0.02	LC 1-4
				Min N	-2.51	-0.01	3.16	0.00	2.22	0.01	LC 1-5
				Max V _y	2.03	0.04	3.13	-0.00	2.14	-0.05	LC 1-5
				Min V _y	1.87	-0.05	3.12	0.00	2.11	0.08	LC 1-4
				Max V _z	-0.55	-0.00	3.19	0.00	2.26	0.01	LC 1-5
				Min V _z	4.45	-0.01	3.06	-0.00	1.99	0.02	LC 1-4
				Max M _T	1.54	-0.04	3.14	0.00	2.16	0.06	LC 1-5
				Min M _T	2.35	0.02	3.11	-0.00	2.09	-0.03	LC 1-4
				Max M _y	-1.11	-0.00	3.19	0.00	2.27	0.01	LC 1-5
				Min M _y	5.00	-0.01	3.06	-0.00	1.98	0.02	LC 1-4
				Max M _z	1.75	-0.05	3.12	0.00	2.12	0.08	LC 1-5
				Min M _z	2.14	0.04	3.13	-0.00	2.13	-0.05	LC 1-4
				Max N	6.41	-0.01	3.09	-0.00	2.03	0.02	LC 1-4
				Min N	-2.51	-0.01	3.16	0.00	2.22	0.01	LC 1-5
			4.232 Right	Max V _y	2.03	0.04	3.13	-0.00	2.14	-0.05	LC 1-5
				Min V _y	1.87	-0.05	3.12	0.00	2.11	0.08	LC 1-4
				Max V _z	-0.55	-0.00	3.19	0.00	2.26	0.01	LC 1-5
				Min V _z	4.45	-0.01	3.06	-0.00	1.99	0.02	LC 1-4
				Max M _T	1.54	-0.04	3.14	0.00	2.16	0.06	LC 1-5
				Min M _T	2.35	0.02	3.11	-0.00	2.09	-0.03	LC 1-4
				Max M _y	-1.11	-0.00	3.19	0.00	2.27	0.01	LC 1-5
				Min M _y	5.00	-0.01	3.06	-0.00	1.98	0.02	LC 1-4
				Max M _z	1.75	-0.05	3.12	0.00	2.12	0.08	LC 1-5
				Min M _z	2.14	0.04	3.13	-0.00	2.13	-0.05	LC 1-4
118	RC1	21	0.000 Left	Max N	-3.74	-0.01	-0.27	-0.01	-0.05	-0.00	CO 9
				Min N	-8.63	-0.05	-0.77	-0.01	-0.24	-0.01	CO 8
				Max V _y	-3.74	-0.01	-0.27	-0.01	-0.05	-0.00	CO 9
				Min V _y	-8.61	-0.05	-0.77	-0.01	-0.25	-0.01	CO 6
				Max V _z	-3.74	-0.01	-0.27	-0.01	-0.05	-0.00	CO 9
				Min V _z	-8.63	-0.05	-0.77	-0.01	-0.24	-0.01	CO 8
				Max M _T	-3.74	-0.01	-0.27	-0.01	-0.05	-0.00	CO 10
				Min M _T	-8.62	-0.04	-0.77	-0.01	-0.25	-0.01	CO 7
				Max M _y	-3.76	-0.01	-0.28	-0.01	-0.05	-0.00	CO 14
				Min M _y	-8.61	-0.04	-0.76	-0.01	-0.25	-0.01	CO 3
				Max M _z	-3.76	-0.01	-0.27	-0.01	-0.05	-0.00	CO 13
				Min M _z	-8.61	-0.05	-0.77	-0.01	-0.25	-0.01	CO 6
			0.000 Right	Max N	-3.74	-0.01	-0.27	-0.01	-0.05	-0.00	CO 9
				Min N	-8.63	-0.05	-0.77	-0.01	-0.24	-0.01	CO 8
				Max V _y	-3.74	-0.01	-0.27	-0.01	-0.05	-0.00	CO 9
				Min V _y	-8.61	-0.05	-0.77	-0.01	-0.25	-0.01	CO 6
				Max V _z	-3.74	-0.01	-0.27	-0.01	-0.05	-0.00	CO 9
				Min V _z	-8.63	-0.05	-0.77	-0.01	-0.24	-0.01	CO 8
				Max M _T	-3.74	-0.01	-0.27	-0.01	-0.05	-0.00	CO 10
				Min M _T	-8.62	-0.04	-0.77	-0.01	-0.25	-0.01	CO 7
				Max M _y	-3.76	-0.01	-0.28	-0.01	-0.05	-0.00	CO 14
				Min M _y	-8.61	-0.04	-0.76	-0.01	-0.25	-0.01	CO 3
				Max M _z	-3.76	-0.01	-0.27	-0.01	-0.05	-0.00	CO 13
				Min M _z	-8.61	-0.05	-0.77	-0.01	-0.25	-0.01	CO 6
			0.174 Left	Max N	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min N	-8.62	-0.05	-0.61	-0.01	-0.37	-0.01	CO 8
				Max V _y	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min V _y	-8.60	-0.05	-0.60	-0.01	-0.37	-0.01	CO 6
				Max V _z	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min V _z	-8.62	-0.05	-0.61	-0.01	-0.37	-0.01	CO 8
				Max M _T	-3.74	-0.01	-0.25	-0.01	-0.10	0.00	CO 10
				Min M _T	-8.62	-0.05	-0.61	-0.01	-0.37	-0.01	CO 7
				Max M _y	-3.75	-0.01	-0.26	-0.01	-0.10	0.00	CO 14
				Min M _y	-8.60	-0.05	-0.60	-0.01	-0.37	-0.01	CO 3
				Max M _z	-3.75	-0.01	-0.26	-0.01	-0.10	0.00	CO 13
				Min M _z	-8.60	-0.05	-0.60	-0.01	-0.37	-0.01	CO 6
			0.174 Right	Max N	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min N	-8.62	-0.05	-0.61	-0.01	-0.37	-0.01	CO 8
				Max V _y	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min V _y	-8.60	-0.05	-0.60	-0.01	-0.37	-0.01	CO 6
				Max V _z	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min V _z	-8.62	-0.05	-0.61	-0.01	-0.37	-0.01	CO 8
				Max M _T	-3.74	-0.01	-0.25	-0.01	-0.10	0.00	CO 10
				Min M _T	-8.62	-0.05	-0.61	-0.01	-0.37	-0.01	CO 7
				Max M _y	-3.75	-0.01	-0.26	-0.01	-0.10	0.00	CO 14
				Min M _y	-8.60	-0.05	-0.60	-0.01	-0.37	-0.01	CO 3
				Max M _z	-3.75	-0.01	-0.26	-0.01	-0.10	0.00	CO 13
				Min M _z	-8.60	-0.05	-0.60	-0.01	-0.37	-0.01	CO 6
			0.182 Left	Max N	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min N	-8.62	-0.05	-0.59	-0.01	-0.37	-0.01	CO 8
				Max V _y	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min V _y	-8.60	-0.05	-0.59	-0.01	-0.37	-0.01	CO 6
				Max V _z	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min V _z	-8.62	-0.05	-0.59	-0.01	-0.37	-0.01	CO 8
				Max M _T	-3.74	-0.01	-0.25	-0.01	-0.10	0.00	CO 10
				Min M _T	-8.62	-0.05	-0.59	-0.01	-0.38	-0.00	CO 7
				Max M _y	-3.75	-0.01	-0.26	-0.01	-0.10	0.00	CO 14
				Min M _y	-8.60	-0.05	-0.58	-0.01	-0.38	-0.00	CO 3
				Max M _z	-3.75	-0.01	-0.26	-0.01	-0.10	0.00	CO 13
				Min M _z	-8.60	-0.05	-0.58	-0.01	-0.38	-0.01	CO 4
			0.182 Right	Max N	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min N	-8.62	-0.05	-0.59	-0.01	-0.37	-0.01	CO 8
				Max V _y	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min V _y	-8.60	-0.05	-0.59	-0.01	-0.37	-0.01	CO 6
				Max V _z	-3.73	-0.01	-0.25	-0.01	-0.10	0.00	CO 9
				Min V _z	-8.62	-0.05	-0.59	-0.01	-0.37	-0.01	CO 8

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
118	RC1	73	1.422 Left	Max M _T	-3.74	-0.01	-0.25	▷	-0.01	-0.10	0.00	CO 10	
				Min M _T	-8.62	-0.05	-0.59	▷	-0.01	-0.38	-0.00	CO 7	
				Max M _y	-3.75	-0.01	-0.26		▷	-0.10	0.00	CO 14	
				Min M _y	-8.60	-0.05	-0.58	-0.01	▷	-0.38	-0.00	CO 3	
				Max M _z	-3.75	-0.01	-0.26	-0.01		-0.10	0.00	CO 13	
				Min M _z	-8.60	-0.05	-0.58	-0.01		-0.38	-0.01	CO 4	
				Max N	-3.69	-0.01	-0.13	-0.01		-0.34	0.01	CO 9	
				Min N	-8.58	-0.05	0.61	-0.01		-0.13	0.06	CO 8	
				Max V _y	-3.69	▷	-0.01	-0.13	-0.01	-0.34	0.01	CO 9	
				Min V _y	-8.56	▷	-0.05	0.61	-0.01	-0.13	0.06	CO 6	
				Max V _z	-8.55	-0.05	▷	0.62	-0.01	-0.12	0.06	CO 3	
				Min V _z	-3.71	-0.01	▷	-0.14	-0.01	-0.35	0.01	CO 14	
				Max M _T	-3.69	-0.01	-0.13	▷	-0.01	-0.34	0.01	CO 10	
				Min M _T	-8.57	-0.05	0.61	▷	-0.01	-0.13	0.06	CO 7	
				Max M _y	-8.55	-0.05	0.62	-0.01	▷	-0.12	0.06	CO 3	
			Min M _y	-3.71	-0.01	-0.14	-0.01	▷	-0.35	0.01	CO 14		
			Max M _z	-8.58	-0.05	0.61	-0.01		-0.13	0.06	CO 8		
			Min M _z	-3.69	-0.01	-0.13	-0.01		-0.34	0.01	CO 9		
			1.422 Right	Max N	-3.69	-0.01	-0.13	-0.01		-0.34	0.01	CO 9	
				Min N	-8.58	-0.05	0.61	-0.01		-0.13	0.06	CO 8	
				Max V _y	-3.69	▷	-0.01	-0.13	-0.01	-0.34	0.01	CO 9	
				Min V _y	-8.56	▷	-0.05	0.61	-0.01	-0.13	0.06	CO 6	
				Max V _z	-8.55	-0.05	▷	0.62	-0.01	-0.12	0.06	CO 3	
				Min V _z	-3.71	-0.01	▷	-0.14	-0.01	-0.35	0.01	CO 14	
				Max M _T	-3.69	-0.01	-0.13	▷	-0.01	-0.34	0.01	CO 10	
				Min M _T	-8.57	-0.05	0.61	▷	-0.01	-0.13	0.06	CO 7	
				Max M _y	-8.55	-0.05	0.62	-0.01	▷	-0.12	0.06	CO 3	
				Min M _y	-3.71	-0.01	-0.14	-0.01	▷	-0.35	0.01	CO 14	
				Max M _z	-8.58	-0.05	0.61	-0.01		-0.13	0.06	CO 8	
				Min M _z	-3.69	-0.01	-0.13	-0.01		-0.34	0.01	CO 9	
	RC2	21		0.000 Left	Max N	-2.62	-0.00	-0.19	-0.00		-0.03	-0.00	CO 23
					Min N	-6.23	-0.03	-0.57	-0.01		-0.17	-0.01	CO 22
					Max V _y	-2.62	▷	-0.00	-0.19	-0.00	-0.03	-0.00	CO 23
			Min V _y		-6.22	▷	-0.03	-0.57	-0.01	-0.18	-0.01	CO 20	
			Max V _z		-2.62	-0.00	▷	-0.19	-0.00	-0.03	-0.00	CO 23	
			Min V _z		-6.23	-0.03	▷	-0.57	-0.01	-0.17	-0.01	CO 22	
			Max M _T		-2.62	-0.00	-0.19	▷	-0.00	-0.03	-0.00	CO 24	
			Min M _T		-6.23	-0.03	-0.57	▷	-0.01	-0.18	-0.01	CO 21	
			Max M _y		-2.64	-0.00	-0.20	-0.00	▷	-0.03	-0.00	CO 28	
			Min M _y		-6.22	-0.03	-0.56	-0.01	▷	-0.18	-0.01	CO 17	
			Max M _z		-2.63	-0.00	-0.20	-0.00		-0.03	-0.00	CO 27	
			Min M _z		-6.22	-0.03	-0.57	-0.01		-0.18	-0.01	CO 20	
			0.000 Right		Max N	-2.62	-0.00	-0.19	-0.00		-0.03	-0.00	CO 23
					Min N	-6.23	-0.03	-0.57	-0.01		-0.17	-0.01	CO 22
					Max V _y	-2.62	▷	-0.00	-0.19	-0.00	-0.03	-0.00	CO 23
				Min V _y	-6.22	▷	-0.03	-0.57	-0.01	-0.18	-0.01	CO 20	
				Max V _z	-2.62	-0.00	▷	-0.19	-0.00	-0.03	-0.00	CO 23	
				Min V _z	-6.23	-0.03	▷	-0.57	-0.01	-0.17	-0.01	CO 22	
				Max M _T	-2.62	-0.00	-0.19	▷	-0.00	-0.03	-0.00	CO 24	
				Min M _T	-6.23	-0.03	-0.57	▷	-0.01	-0.18	-0.01	CO 21	
				Max M _y	-2.64	-0.00	-0.20	-0.00	▷	-0.03	-0.00	CO 28	
				Min M _y	-6.22	-0.03	-0.56	-0.01	▷	-0.18	-0.01	CO 17	
				Max M _z	-2.63	-0.00	-0.20	-0.00		-0.03	-0.00	CO 27	
				Min M _z	-6.22	-0.03	-0.57	-0.01		-0.18	-0.01	CO 20	
				0.174 Left	Max N	-2.62	-0.00	-0.18	-0.00		-0.07	0.00	CO 23
					Min N	-6.23	-0.03	-0.45	-0.01		-0.27	-0.00	CO 22
					Max V _y	-2.62	▷	-0.00	-0.18	-0.00	-0.07	0.00	CO 23
			Min V _y		-6.21	▷	-0.03	-0.44	-0.01	-0.27	-0.00	CO 20	
			Max V _z		-2.62	-0.00	▷	-0.18	-0.00	-0.07	0.00	CO 23	
			Min V _z		-6.23	-0.03	▷	-0.45	-0.01	-0.27	-0.00	CO 22	
	Max M _T	-2.62	-0.00		-0.18	▷	-0.00	-0.06	0.00	CO 24			
	Min M _T	-6.23	-0.03		-0.44	▷	-0.01	-0.27	-0.00	CO 21			
	Max M _y	-2.63	-0.00		-0.19	-0.00	▷	-0.06	0.00	CO 28			
	Min M _y	-6.21	-0.03		-0.44	-0.01	▷	-0.27	-0.00	CO 17			
	Max M _z	-2.63	-0.00		-0.19	-0.00		-0.06	0.00	CO 27			
	Min M _z	-6.21	-0.03		-0.44	-0.01		-0.27	-0.00	CO 18			
	0.174 Right	Max N	-2.62		-0.00	-0.18	-0.00		-0.07	0.00	CO 23		
		Min N	-6.23		-0.03	-0.45	-0.01		-0.27	-0.00	CO 22		
		Max V _y	-2.62		▷	-0.00	-0.18	-0.00	-0.07	0.00	CO 23		
		Min V _y	-6.21	▷	-0.03	-0.44	-0.01	-0.27	-0.00	CO 20			
		Max V _z	-2.62	-0.00	▷	-0.18	-0.00	-0.07	0.00	CO 23			
		Min V _z	-6.23	-0.03	▷	-0.45	-0.01	-0.27	-0.00	CO 22			
		Max M _T	-2.62	-0.00	-0.18	▷	-0.00	-0.06	0.00	CO 24			
		Min M _T	-6.23	-0.03	-0.44	▷	-0.01	-0.27	-0.00	CO 21			
		Max M _y	-2.63	-0.00	-0.19	-0.00	▷	-0.06	0.00	CO 28			
		Min M _y	-6.21	-0.03	-0.44	-0.01	▷	-0.27	-0.00	CO 17			
		Max M _z	-2.63	-0.00	-0.19	-0.00		-0.06	0.00	CO 27			
		Min M _z	-6.21	-0.03	-0.44	-0.01		-0.27	-0.00	CO 18			
		0.182 Left	Max N	-2.62	-0.00	-0.18	-0.00		-0.07	0.00	CO 23		
			Min N	-6.23	-0.03	-0.44	-0.01		-0.27	-0.00	CO 22		
			Max V _y	-2.62	▷	-0.00	-0.18	-0.00	-0.07	0.00	CO 23		
	Min V _y		-6.21	▷	-0.03	-0.43	-0.01	-0.27	-0.00	CO 20			
	Max V _z		-2.62	-0.00	▷	-0.18	-0.00	-0.07	0.00	CO 23			
	Min V _z		-6.23	-0.03	▷	-0.44	-0.01	-0.27	-0.00	CO 22			
	Max M _T		-2.62	-0.00	-0.18	▷	-0.00	-0.07	0.00	CO 24			
	Min M _T		-6.23	-0.03	-0.43	▷	-0.01	-0.27	-0.00	CO 21			
	Max M _y		-2.63	-0.00	-0.19	-0.00	▷	-0.07	0.00	CO 28			
	Min M _y		-6.21	-0.03	-0.43	-0.01	▷	-0.27	-0.00	CO 17			
	Max M _z		-2.63	-0.00	-0.19	-0.00		-0.07	0.00	CO 27			
	Min M _z		-6.21	-0.03	-0.43	-0.01		-0.27	-0.00	CO 18			
	0.182 Right	Max N	-2.62	-0.00	-0.18	-0.00		-0.07	0.00	CO 23			
		Min N	-6.23	-0.03	-0.44	-0.01		-0.27	-0.00	CO 22			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding		
					N	V _y	V _z	M _T	M _y	M _z	Load Cases		
118	RC2		1.422 Left	Max V _y	-2.62	▷	-0.00	-0.18	-0.00	-0.07	0.00	CO 23	
				Min V _y	-6.21	▷	-0.03	-0.43	-0.01	-0.27	-0.00	CO 20	
				Max V _z	-2.62		-0.00	-0.18	-0.00	-0.07	0.00	CO 23	
				Min V _z	-6.23		-0.03	-0.44	-0.01	-0.27	-0.00	CO 22	
				Max M _T	-2.62		-0.00	-0.18	-0.00	-0.07	0.00	CO 24	
				Min M _T	-6.23		-0.03	-0.43	-0.01	-0.27	-0.00	CO 21	
				Max M _y	-2.63		-0.00	-0.19	-0.00	-0.07	0.00	CO 28	
				Min M _y	-6.21		-0.03	-0.43	-0.01	-0.27	-0.00	CO 17	
				Max M _z	-2.63		-0.00	-0.19	-0.00	-0.07	0.00	CO 27	
				Min M _z	-6.21		-0.03	-0.43	-0.01	-0.27	-0.00	CO 18	
				Max N	-2.58	▷	-0.00	-0.10	-0.00	-0.24	0.01	CO 23	
				Min N	-6.19	▷	-0.04	0.45	-0.01	-0.09	0.04	CO 22	
				Max V _y	-2.58	▷	-0.00	-0.10	-0.00	-0.24	0.01	CO 23	
				Min V _y	-6.18	▷	-0.04	0.46	-0.01	-0.08	0.04	CO 20	
			Max V _z	-6.18		-0.04	0.46	-0.01	-0.08	0.04	CO 17		
			Min V _z	-2.60		-0.00	-0.10	-0.00	-0.25	0.01	CO 28		
			Max M _T	-2.59		-0.00	-0.10	-0.00	-0.24	0.01	CO 24		
			Min M _T	-6.19		-0.04	0.45	-0.01	-0.09	0.04	CO 21		
			Max M _y	-6.18		-0.04	0.46	-0.01	-0.08	0.04	CO 17		
			Min M _y	-2.60		-0.00	-0.10	-0.00	-0.25	0.01	CO 28		
			Max M _z	-6.19		-0.04	0.45	-0.01	-0.09	0.04	CO 22		
			Min M _z	-2.58		-0.00	-0.10	-0.00	-0.24	0.01	CO 23		
			1.422 Right	Max N	-2.58	▷	-0.00	-0.10	-0.00	-0.24	0.01	CO 23	
				Min N	-6.19	▷	-0.04	0.45	-0.01	-0.09	0.04	CO 22	
				Max V _y	-2.58	▷	-0.00	-0.10	-0.00	-0.24	0.01	CO 23	
				Min V _y	-6.18	▷	-0.04	0.46	-0.01	-0.08	0.04	CO 20	
				Max V _z	-6.18		-0.04	0.46	-0.01	-0.08	0.04	CO 17	
				Min V _z	-2.60		-0.00	-0.10	-0.00	-0.25	0.01	CO 28	
				Max M _T	-2.59		-0.00	-0.10	-0.00	-0.24	0.01	CO 24	
				Min M _T	-6.19		-0.04	0.45	-0.01	-0.09	0.04	CO 21	
				Max M _y	-6.18		-0.04	0.46	-0.01	-0.08	0.04	CO 17	
				Min M _y	-2.60		-0.00	-0.10	-0.00	-0.25	0.01	CO 28	
				Max M _z	-6.19		-0.04	0.45	-0.01	-0.09	0.04	CO 22	
				Min M _z	-2.58		-0.00	-0.10	-0.00	-0.24	0.01	CO 23	
	RC6	21		0.000 Left	Max N	-3.63	▷	-0.04	-0.20	-0.01	-0.32	-0.01	LC 1-5
					Min N	-6.87	▷	-0.02	-0.99	-0.01	0.12	-0.01	LC 1-4
			Max V _y		-5.22	▷	0.03	-0.62	-0.01	-0.09	0.01	LC 1-5	
			Min V _y		-5.27	▷	-0.09	-0.57	-0.01	-0.11	-0.02	LC 1-4	
			Max V _z		-4.07		-0.04	-0.05	-0.01	-0.41	-0.01	LC 1-4	
			Min V _z		-6.43		-0.02	-1.13	-0.00	0.21	-0.01	LC 1-5	
			Max M _T		-5.72		-0.05	-0.97	-0.00	0.13	-0.01	LC 1-4	
			Min M _T		-4.78		-0.00	-0.22	-0.01	-0.32	-0.00	LC 1-5	
			Max M _y		-6.38		-0.02	-1.13	-0.00	0.21	-0.01	LC 1-5	
			Min M _y		-4.12		-0.03	-0.06	-0.01	-0.41	-0.01	LC 1-4	
			Max M _z		-5.21		0.03	-0.62	-0.01	-0.09	0.01	LC 1-5	
			Min M _z		-5.28		-0.09	-0.57	-0.01	-0.11	-0.02	LC 1-4	
			0.000 Right		Max N	-3.63	▷	-0.04	-0.20	-0.01	-0.32	-0.01	LC 1-5
					Min N	-6.87	▷	-0.02	-0.99	-0.01	0.12	-0.01	LC 1-4
				Max V _y	-5.22	▷	0.03	-0.62	-0.01	-0.09	0.01	LC 1-5	
				Min V _y	-5.27	▷	-0.09	-0.57	-0.01	-0.11	-0.02	LC 1-4	
				Max V _z	-4.07		-0.04	-0.05	-0.01	-0.41	-0.01	LC 1-4	
				Min V _z	-6.43		-0.02	-1.13	-0.00	0.21	-0.01	LC 1-5	
				Max M _T	-5.72		-0.05	-0.97	-0.00	0.13	-0.01	LC 1-4	
				Min M _T	-4.78		-0.00	-0.22	-0.01	-0.32	-0.00	LC 1-5	
				Max M _y	-6.38		-0.02	-1.13	-0.00	0.21	-0.01	LC 1-5	
				Min M _y	-4.12		-0.03	-0.06	-0.01	-0.41	-0.01	LC 1-4	
				Max M _z	-5.21		0.03	-0.62	-0.01	-0.09	0.01	LC 1-5	
				Min M _z	-5.28		-0.09	-0.57	-0.01	-0.11	-0.02	LC 1-4	
			0.174 Left	Max N	-3.62	▷	-0.04	-0.07	-0.01	-0.35	-0.00	LC 1-5	
				Min N	-6.86	▷	-0.02	-0.87	-0.01	-0.04	-0.00	LC 1-4	
Max V _y	-5.22	▷		0.03	-0.49	-0.01	-0.19	0.00	LC 1-5				
Min V _y	-5.27	▷		-0.09	-0.45	-0.01	-0.20	-0.01	LC 1-4				
Max V _z	-4.06			-0.04	0.07	-0.01	-0.41	-0.00	LC 1-4				
Min V _z	-6.43			-0.02	-1.01	-0.00	0.02	-0.00	LC 1-5				
Max M _T	-5.71			-0.05	-0.85	-0.00	-0.03	-0.00	LC 1-4				
Min M _T	-4.78			-0.00	-0.10	-0.01	-0.36	-0.00	LC 1-5				
Max M _y	-6.35			-0.02	-1.01	-0.00	0.02	-0.00	LC 1-5				
Min M _y	-4.14			-0.03	0.06	-0.01	-0.41	-0.00	LC 1-4				
Max M _z	-5.20			0.03	-0.51	-0.01	-0.19	0.00	LC 1-5				
Min M _z	-5.29			-0.09	-0.44	-0.01	-0.20	-0.01	LC 1-4				
0.174 Right	Max N	-3.62	▷	-0.04	-0.07	-0.01	-0.35	-0.00	LC 1-5				
	Min N	-6.86	▷	-0.02	-0.87	-0.01	-0.04	-0.00	LC 1-4				
	Max V _y	-5.22	▷	0.03	-0.49	-0.01	-0.19	0.00	LC 1-5				
	Min V _y	-5.27	▷	-0.09	-0.45	-0.01	-0.20	-0.01	LC 1-4				
	Max V _z	-4.06		-0.04	0.07	-0.01	-0.41	-0.00	LC 1-4				
	Min V _z	-6.43		-0.02	-1.01	-0.00	0.02	-0.00	LC 1-5				
	Max M _T	-5.71		-0.05	-0.85	-0.00	-0.03	-0.00	LC 1-4				
	Min M _T	-4.78		-0.00	-0.10	-0.01	-0.36	-0.00	LC 1-5				
	Max M _y	-6.35		-0.02	-1.01	-0.00	0.02	-0.00	LC 1-5				
	Min M _y	-4.14		-0.03	0.06	-0.01	-0.41	-0.00	LC 1-4				
	Max M _z	-5.20		0.03	-0.51	-0.01	-0.19	0.00	LC 1-5				
	Min M _z	-5.29		-0.09	-0.44	-0.01	-0.20	-0.01	LC 1-4				
0.182 Left	Max N	-3.62	▷	-0.04	-0.06	-0.01	-0.35	-0.00	LC 1-5				
	Min N	-6.86	▷	-0.02	-0.86	-0.01	-0.05	-0.00	LC 1-4				
	Max V _y	-5.22	▷	0.03	-0.48	-0.01	-0.20	0.00	LC 1-5				
	Min V _y	-5.27	▷	-0.09	-0.44	-0.01	-0.20	-0.01	LC 1-4				
	Max V _z	-4.06		-0.04	0.08	-0.01	-0.41	-0.00	LC 1-4				
	Min V _z	-6.43		-0.02	-1.00	-0.00	0.01	-0.00	LC 1-5				
	Max M _T	-5.71		-0.05	-0.83	-0.00	-0.04	-0.00	LC 1-4				
	Min M _T	-4.78		-0.00	-0.09	-0.01	-0.36	-0.00	LC 1-5				
	Max M _y	-6.34		-0.02	-1.00	-0.00	0.02	-0.00	LC 1-5				
	Min M _y	-4.14		-0.03	0.08	-0.01	-0.41	-0.00	LC 1-4				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
118	RC6		0.182 Right	Max M _z	-5.20	0.03	-0.50	-0.01	-0.19	0.00	LC 1-5
				Min M _z	-5.29	-0.09	-0.42	-0.01	-0.21	-0.01	LC 1-4
				Max N	-3.62	-0.04	-0.06	-0.01	-0.35	-0.00	LC 1-5
				Min N	-6.86	-0.02	-0.86	-0.01	-0.05	-0.00	LC 1-4
				Max V _y	-5.22	0.03	-0.48	-0.01	-0.20	0.00	LC 1-5
				Min V _y	-5.27	-0.09	-0.44	-0.01	-0.20	-0.01	LC 1-4
				Max V _z	-4.06	-0.04	0.08	-0.01	-0.41	-0.00	LC 1-4
				Min V _z	-6.43	-0.02	-1.00	-0.00	0.01	-0.00	LC 1-5
				Max M _T	-5.71	-0.05	-0.83	-0.00	-0.04	-0.00	LC 1-4
				Min M _T	-4.78	-0.00	-0.09	-0.01	-0.36	-0.00	LC 1-5
				Max M _y	-6.34	-0.02	-1.00	-0.00	0.02	-0.00	LC 1-5
				Min M _y	-4.14	-0.03	0.08	-0.01	-0.41	-0.00	LC 1-4
				Max M _z	-5.20	0.03	-0.50	-0.01	-0.19	0.00	LC 1-5
				Min M _z	-5.29	-0.09	-0.42	-0.01	-0.21	-0.01	LC 1-4
				Max N	-3.59	-0.04	0.82	-0.01	0.29	0.05	LC 1-5
				Min N	-6.83	-0.03	0.02	-0.01	-0.40	0.03	LC 1-4
				Max V _y	-5.19	0.02	0.40	-0.01	-0.08	-0.03	LC 1-5
				Min V _y	-5.24	-0.10	0.44	-0.01	-0.03	0.11	LC 1-4
				Max V _z	-4.03	-0.04	0.96	-0.01	0.40	0.05	LC 1-4
				Min V _z	-6.39	-0.03	-0.12	-0.00	-0.51	0.03	LC 1-5
				Max M _T	-5.68	-0.06	0.05	-0.00	-0.36	0.07	LC 1-4
				Min M _T	-4.75	-0.01	0.80	-0.01	0.25	0.01	LC 1-5
				Max M _y	-4.00	-0.04	0.96	-0.01	0.41	0.05	LC 1-4
				Min M _y	-6.43	-0.03	-0.12	-0.01	-0.51	0.03	LC 1-5
				Max M _z	-5.23	-0.10	0.44	-0.01	-0.03	0.11	LC 1-4
				Min M _z	-5.19	0.02	0.40	-0.01	-0.08	-0.03	LC 1-5
		73	1.422 Right	Max N	-3.59	-0.04	0.82	-0.01	0.29	0.05	LC 1-5
				Min N	-6.83	-0.03	0.02	-0.01	-0.40	0.03	LC 1-4
				Max V _y	-5.19	0.02	0.40	-0.01	-0.08	-0.03	LC 1-5
				Min V _y	-5.24	-0.10	0.44	-0.01	-0.03	0.11	LC 1-4
				Max V _z	-4.03	-0.04	0.96	-0.01	0.40	0.05	LC 1-4
				Min V _z	-6.39	-0.03	-0.12	-0.00	-0.51	0.03	LC 1-5
				Max M _T	-5.68	-0.06	0.05	-0.00	-0.36	0.07	LC 1-4
				Min M _T	-4.75	-0.01	0.80	-0.01	0.25	0.01	LC 1-5
				Max M _y	-4.00	-0.04	0.96	-0.01	0.41	0.05	LC 1-4
				Min M _y	-6.43	-0.03	-0.12	-0.01	-0.51	0.03	LC 1-5
				Max M _z	-5.23	-0.10	0.44	-0.01	-0.03	0.11	LC 1-4
				Min M _z	-5.19	0.02	0.40	-0.01	-0.08	-0.03	LC 1-5
		66	0.000 Left	Max N	4.90	0.02	-1.78	-0.00	0.32	0.01	CO 8
				Min N	0.85	0.00	-0.37	-0.00	0.10	0.00	CO 9
				Max V _y	4.89	0.02	-1.78	-0.00	0.32	0.01	CO 7
				Min V _y	0.86	0.00	-0.37	-0.00	0.10	0.00	CO 10
				Max V _z	0.88	0.00	-0.37	-0.00	0.10	0.00	CO 14
				Min V _z	4.86	0.02	-1.79	-0.00	0.32	0.01	CO 3
				Max M _T	0.86	0.00	-0.37	-0.00	0.10	0.00	CO 10
				Min M _T	4.89	0.02	-1.78	-0.00	0.32	0.01	CO 7
				Max M _y	4.89	0.02	-1.79	-0.00	0.32	0.01	CO 5
				Min M _y	0.88	0.00	-0.37	-0.00	0.10	0.00	CO 14
				Max M _z	4.89	0.02	-1.78	-0.00	0.32	0.01	CO 7
				Min M _z	0.86	0.00	-0.37	-0.00	0.10	0.00	CO 10
			0.000 Right	Max N	4.90	0.02	-1.78	-0.00	0.32	0.01	CO 8
				Min N	0.85	0.00	-0.37	-0.00	0.10	0.00	CO 9
				Max V _y	4.89	0.02	-1.78	-0.00	0.32	0.01	CO 7
				Min V _y	0.86	0.00	-0.37	-0.00	0.10	0.00	CO 10
				Max V _z	0.88	0.00	-0.37	-0.00	0.10	0.00	CO 14
				Min V _z	4.86	0.02	-1.79	-0.00	0.32	0.01	CO 3
				Max M _T	0.86	0.00	-0.37	-0.00	0.10	0.00	CO 10
				Min M _T	4.89	0.02	-1.78	-0.00	0.32	0.01	CO 7
				Max M _y	4.89	0.02	-1.79	-0.00	0.32	0.01	CO 5
				Min M _y	0.88	0.00	-0.37	-0.00	0.10	0.00	CO 14
				Max M _z	4.89	0.02	-1.78	-0.00	0.32	0.01	CO 7
				Min M _z	0.86	0.00	-0.37	-0.00	0.10	0.00	CO 10
			0.174 Left	Max N	4.91	0.02	-1.62	-0.00	0.02	0.00	CO 8
				Min N	0.85	0.00	-0.35	-0.00	0.04	0.00	CO 9
				Max V _y	4.90	0.02	-1.62	-0.00	0.02	0.00	CO 7
				Min V _y	0.86	0.00	-0.35	-0.00	0.04	0.00	CO 10
				Max V _z	0.89	0.00	-0.35	-0.00	0.04	0.00	CO 14
				Min V _z	4.87	0.02	-1.62	-0.00	0.02	0.00	CO 3
				Max M _T	0.86	0.00	-0.35	-0.00	0.04	0.00	CO 10
				Min M _T	4.90	0.02	-1.62	-0.00	0.02	0.00	CO 7
				Max M _y	4.88	0.00	-0.35	-0.00	0.04	0.00	CO 11
				Min M _y	4.88	0.02	-1.62	-0.00	0.02	0.00	CO 2
				Max M _z	4.90	0.02	-1.62	-0.00	0.02	0.00	CO 7
				Min M _z	0.86	0.00	-0.35	-0.00	0.04	0.00	CO 10
			0.174 Right	Max N	4.91	0.02	-1.62	-0.00	0.02	0.00	CO 8
				Min N	0.85	0.00	-0.35	-0.00	0.04	0.00	CO 9
				Max V _y	4.90	0.02	-1.62	-0.00	0.02	0.00	CO 7
				Min V _y	0.86	0.00	-0.35	-0.00	0.04	0.00	CO 10
				Max V _z	0.89	0.00	-0.35	-0.00	0.04	0.00	CO 14
				Min V _z	4.87	0.02	-1.62	-0.00	0.02	0.00	CO 3
				Max M _T	0.86	0.00	-0.35	-0.00	0.04	0.00	CO 10
				Min M _T	4.90	0.02	-1.62	-0.00	0.02	0.00	CO 7
				Max M _y	4.88	0.00	-0.35	-0.00	0.04	0.00	CO 11
				Min M _y	4.88	0.02	-1.62	-0.00	0.02	0.00	CO 2
				Max M _z	4.90	0.02	-1.62	-0.00	0.02	0.00	CO 7
				Min M _z	0.86	0.00	-0.35	-0.00	0.04	0.00	CO 10
			0.182 Left	Max N	4.91	0.02	-1.60	-0.00	0.01	0.00	CO 8
				Min N	0.85	0.00	-0.35	-0.00	0.04	0.00	CO 9
				Max V _y	4.90	0.02	-1.60	-0.00	0.01	0.00	CO 7
				Min V _y	0.86	0.00	-0.35	-0.00	0.04	0.00	CO 10
				Max V _z	0.89	0.00	-0.35	-0.00	0.04	0.00	CO 14
				Min V _z	4.87	0.02	-1.61	-0.00	0.01	0.00	CO 3

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding						
					N	V _y	V _z	M _T	M _y	M _z	Load Cases						
120	RC1			0.182 Right	Max M _T	0.86	0.00	-0.35	▷	-0.00	0.04	0.00	CO 10				
					Min M _T	4.90	0.02	-1.60	▷	-0.00	0.01	0.00	CO 7				
					Max M _y	0.88	0.00	-0.35	▷	-0.00	0.04	0.00	CO 11				
					Min M _y	4.88	0.02	-1.60	▷	-0.00	0.01	0.00	CO 2				
					Max M _z	4.90	0.02	-1.60	▷	-0.00	0.01	0.00	CO 7				
					Min M _z	0.86	0.00	-0.35	▷	-0.00	0.04	0.00	CO 10				
					Max N	4.91	0.02	-1.60	▷	-0.00	0.01	0.00	CO 8				
					Min N	0.85	0.00	-0.35	▷	-0.00	0.04	0.00	CO 9				
					Max V _y	4.90	0.02	-1.60	▷	-0.00	0.01	0.00	CO 7				
					Min V _y	0.86	0.00	-0.35	▷	-0.00	0.04	0.00	CO 10				
					Max V _z	0.89	0.00	-0.35	▷	-0.00	0.04	0.00	CO 14				
					Min V _z	4.87	0.02	-1.61	▷	-0.00	0.01	0.00	CO 3				
					Max M _T	0.86	0.00	-0.35	▷	-0.00	0.04	0.00	CO 10				
					Min M _T	4.90	0.02	-1.60	▷	-0.00	0.01	0.00	CO 7				
					Max M _y	0.88	0.00	-0.35	▷	-0.00	0.04	0.00	CO 11				
					Min M _y	4.88	0.02	-1.60	▷	-0.00	0.01	0.00	CO 2				
					Max M _z	4.90	0.02	-1.60	▷	-0.00	0.01	0.00	CO 7				
					Min M _z	0.86	0.00	-0.35	▷	-0.00	0.04	0.00	CO 10				
					1.422 Left	Max N	4.95	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 8			
						Min N	0.90	0.00	-0.24	▷	-0.00	-0.33	-0.00	CO 9			
						Max V _y	4.94	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 7			
						Min V _y	0.91	0.00	-0.24	▷	-0.00	-0.33	-0.00	CO 10			
						Max V _z	0.93	0.00	-0.24	▷	-0.00	-0.32	-0.00	CO 14			
						Min V _z	4.91	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 3			
						Max M _T	0.91	0.00	-0.24	▷	-0.00	-0.33	-0.00	CO 10			
						Min M _T	4.94	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 7			
						Max M _y	0.93	0.00	-0.24	▷	-0.00	-0.32	-0.00	CO 14			
						Min M _y	4.91	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 3			
						Max M _z	0.91	0.00	-0.24	▷	-0.00	-0.33	-0.00	CO 10			
				1.422 Right		Min M _z	4.94	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 7			
					Max N	4.95	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 8				
					Min N	0.90	0.00	-0.24	▷	-0.00	-0.33	-0.00	CO 9				
					Max V _y	4.94	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 7				
					Min V _y	0.91	0.00	-0.24	▷	-0.00	-0.33	-0.00	CO 10				
					Max V _z	0.93	0.00	-0.24	▷	-0.00	-0.32	-0.00	CO 14				
					Min V _z	4.91	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 3				
					Max M _T	0.91	0.00	-0.24	▷	-0.00	-0.33	-0.00	CO 10				
					Min M _T	4.94	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 7				
					Max M _y	0.93	0.00	-0.24	▷	-0.00	-0.32	-0.00	CO 14				
					Min M _y	4.91	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 3				
					Max M _z	0.91	0.00	-0.24	▷	-0.00	-0.33	-0.00	CO 10				
				RC2	66		0.000 Left	Min M _z	4.94	0.01	-0.45	▷	-0.00	-1.03	-0.01	CO 7	
								Max N	3.53	0.02	-1.30	▷	-0.00	0.23	0.00	CO 22	
								Min N	0.53	0.00	-0.25	▷	-0.00	0.07	0.00	CO 23	
								Max V _y	3.52	0.02	-1.30	▷	-0.00	0.23	0.01	CO 21	
								Min V _y	0.54	0.00	-0.25	▷	-0.00	0.07	0.00	CO 24	
								Max V _z	0.56	0.00	-0.25	▷	-0.00	0.07	0.00	CO 28	
								Min V _z	3.50	0.02	-1.30	▷	-0.00	0.23	0.01	CO 17	
								Max M _T	0.54	0.00	-0.25	▷	-0.00	0.07	0.00	CO 24	
								Min M _T	3.52	0.02	-1.30	▷	-0.00	0.23	0.01	CO 21	
								Max M _y	3.52	0.02	-1.30	▷	-0.00	0.23	0.01	CO 19	
								Min M _y	0.56	0.00	-0.25	▷	-0.00	0.07	0.00	CO 28	
								Max M _z	3.52	0.02	-1.30	▷	-0.00	0.23	0.01	CO 21	
								Min M _z	0.54	0.00	-0.25	▷	-0.00	0.07	0.01	CO 21	
								Min M _z	0.54	0.00	-0.25	▷	-0.00	0.07	0.00	CO 24	
								0.000 Right	Max N	3.53	0.02	-1.30	▷	-0.00	0.23	0.00	CO 22
									Min N	0.53	0.00	-0.25	▷	-0.00	0.07	0.00	CO 23
									Max V _y	3.52	0.02	-1.30	▷	-0.00	0.23	0.01	CO 21
									Min V _y	0.54	0.00	-0.25	▷	-0.00	0.07	0.00	CO 24
									Max V _z	0.56	0.00	-0.25	▷	-0.00	0.07	0.00	CO 28
									Min V _z	3.50	0.02	-1.30	▷	-0.00	0.23	0.01	CO 17
									Max M _T	0.54	0.00	-0.25	▷	-0.00	0.07	0.00	CO 24
									Min M _T	3.52	0.02	-1.30	▷	-0.00	0.23	0.01	CO 21
									Max M _y	3.52	0.02	-1.30	▷	-0.00	0.23	0.01	CO 19
									Min M _y	0.56	0.00	-0.25	▷	-0.00	0.07	0.00	CO 28
									Max M _z	3.52	0.02	-1.30	▷	-0.00	0.23	0.01	CO 21
									Min M _z	0.54	0.00	-0.25	▷	-0.00	0.07	0.00	CO 24
								0.174 Left	Max N	3.53	0.02	-1.17	▷	-0.00	0.01	0.00	CO 22
									Min N	0.54	0.00	-0.24	▷	-0.00	0.03	0.00	CO 23
									Max V _y	3.52	0.02	-1.18	▷	-0.00	0.01	0.00	CO 21
							Min V _y		0.54	0.00	-0.24	▷	-0.00	0.03	0.00	CO 24	
							Max V _z		0.56	0.00	-0.24	▷	-0.00	0.03	0.00	CO 28	
							Min V _z		3.51	0.02	-1.18	▷	-0.00	0.01	0.00	CO 17	
							Max M _T		0.54	0.00	-0.24	▷	-0.00	0.03	0.00	CO 24	
							Min M _T		3.52	0.02	-1.18	▷	-0.00	0.01	0.00	CO 21	
							Max M _y		0.55	0.00	-0.24	▷	-0.00	0.03	0.00	CO 25	
							Min M _y		3.51	0.02	-1.17	▷	-0.00	0.01	0.00	CO 16	
							Max M _z		3.52	0.02	-1.18	▷	-0.00	0.01	0.00	CO 21	
							Min M _z		0.54	0.00	-0.24	▷	-0.00	0.03	0.00	CO 24	
							0.174 Right	Max N	3.53	0.02	-1.17	▷	-0.00	0.01	0.00	CO 22	
								Min N	0.54	0.00	-0.24	▷	-0.00	0.03	0.00	CO 23	
								Max V _y	3.52	0.02	-1.18	▷	-0.00	0.01	0.00	CO 21	
								Min V _y	0.54	0.00	-0.24	▷	-0.00	0.03	0.00	CO 24	
								Max V _z	0.56	0.00	-0.24	▷	-0.00	0.03	0.00	CO 28	
								Min V _z	3.51	0.02	-1.18	▷	-0.00	0.01	0.00	CO 17	
								Max M _T	0.54	0.00	-0.24	▷	-0.00	0.03	0.00	CO 24	
								Min M _T	3.52	0.02	-1.18	▷	-0.00	0.01	0.00	CO 21	
								Max M _y	0.55	0.00	-0.24	▷	-0.00	0.03	0.00	CO 25	
								Min M _y	3.51	0.02	-1.17	▷	-0.00	0.01	0.00	CO 16	
								Max M _z	3.52	0.02	-1.18	▷	-0.00	0.01	0.00	CO 21	
								Min M _z	0.54	0.00	-0.24	▷	-0.00	0.03	0.00	CO 24	
							0.182 Left	Max N	3.53	0.02	-1.16	▷	-0.00	0.00	0.00	CO 22	
Min N	0.54	0.00	-0.24					▷	-0.00	0.03	0.00	CO 23					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
120	RC2	21	0.182 Right	Max V _y	3.52	▷	0.02	-1.16	-0.00	0.00	CO 21
				Min V _y	0.54	▷	0.00	-0.24	-0.00	0.03	CO 24
				Max V _z	0.56	▷	0.00	-0.24	-0.00	0.03	CO 28
				Min V _z	3.51	▷	0.02	-1.17	-0.00	0.00	CO 17
				Max M _T	0.54	▷	0.00	-0.24	-0.00	0.03	CO 24
				Min M _T	3.52	▷	0.02	-1.16	-0.00	0.00	CO 21
				Max M _y	0.55	▷	0.00	-0.24	-0.00	0.03	CO 25
				Min M _y	3.51	▷	0.02	-1.16	-0.00	0.00	CO 16
				Max M _z	3.52	▷	0.02	-1.16	-0.00	0.00	CO 21
				Min M _z	0.54	▷	0.00	-0.24	-0.00	0.03	CO 24
				Max N	3.53	▷	0.02	-1.16	-0.00	0.00	CO 22
				Min N	0.54	▷	0.00	-0.24	-0.00	0.03	CO 23
				Max V _y	3.52	▷	0.02	-1.16	-0.00	0.00	CO 21
				Min V _y	0.54	▷	0.00	-0.24	-0.00	0.03	CO 24
				Max V _z	0.56	▷	0.00	-0.24	-0.00	0.03	CO 28
				Min V _z	3.51	▷	0.02	-1.17	-0.00	0.00	CO 17
				Max M _T	0.54	▷	0.00	-0.24	-0.00	0.03	CO 24
				Min M _T	3.52	▷	0.02	-1.16	-0.00	0.00	CO 21
				Max M _y	0.55	▷	0.00	-0.24	-0.00	0.03	CO 25
				Min M _y	3.51	▷	0.02	-1.16	-0.00	0.00	CO 16
				Max M _z	3.52	▷	0.02	-1.16	-0.00	0.00	CO 21
				Min M _z	0.54	▷	0.00	-0.24	-0.00	0.03	CO 24
			1.422 Left	Max N	3.56	▷	0.01	-0.31	-0.00	-0.73	CO 22
				Min N	0.57	▷	0.00	-0.16	-0.00	-0.22	CO 23
				Max V _y	3.55	▷	0.01	-0.31	-0.00	-0.73	CO 21
				Min V _y	0.57	▷	0.00	-0.15	-0.00	-0.22	CO 24
				Max V _z	0.59	▷	0.00	-0.15	-0.00	-0.22	CO 28
				Min V _z	3.54	▷	0.01	-0.31	-0.00	-0.74	CO 17
				Max M _T	0.57	▷	0.00	-0.15	-0.00	-0.22	CO 24
				Min M _T	3.55	▷	0.01	-0.31	-0.00	-0.73	CO 21
				Max M _y	0.59	▷	0.00	-0.15	-0.00	-0.22	CO 28
				Min M _y	3.54	▷	0.01	-0.31	-0.00	-0.74	CO 17
				Max M _z	0.57	▷	0.00	-0.15	-0.00	-0.22	CO 24
				Min M _z	3.55	▷	0.01	-0.31	-0.00	-0.73	CO 21
			1.422 Right	Max N	3.56	▷	0.01	-0.31	-0.00	-0.73	CO 22
				Min N	0.57	▷	0.00	-0.16	-0.00	-0.22	CO 23
				Max V _y	3.55	▷	0.01	-0.31	-0.00	-0.73	CO 21
				Min V _y	0.57	▷	0.00	-0.15	-0.00	-0.22	CO 24
				Max V _z	0.59	▷	0.00	-0.15	-0.00	-0.22	CO 28
				Min V _z	3.54	▷	0.01	-0.31	-0.00	-0.74	CO 17
				Max M _T	0.57	▷	0.00	-0.15	-0.00	-0.22	CO 24
				Min M _T	3.55	▷	0.01	-0.31	-0.00	-0.73	CO 21
				Max M _y	0.59	▷	0.00	-0.15	-0.00	-0.22	CO 28
				Min M _y	3.54	▷	0.01	-0.31	-0.00	-0.74	CO 17
				Max M _z	0.57	▷	0.00	-0.15	-0.00	-0.22	CO 24
				Min M _z	3.55	▷	0.01	-0.31	-0.00	-0.73	CO 21
	RC6	66	0.000 Left	Max N	5.38	▷	0.01	-1.06	0.00	-0.03	LC 1-5
				Min N	-0.38	▷	0.02	-1.15	-0.00	0.40	LC 1-4
				Max V _y	2.27	▷	0.03	-1.13	-0.00	0.25	LC 1-5
				Min V _y	2.73	▷	0.00	-1.07	0.00	0.12	LC 1-4
				Max V _z	4.10	▷	0.01	-1.03	0.00	-0.03	LC 1-4
				Min V _z	0.89	▷	0.02	-1.18	-0.00	0.40	LC 1-5
				Max M _T	3.88	▷	0.01	-1.03	0.00	0.00	LC 1-4
				Min M _T	1.12	▷	0.02	-1.17	-0.00	0.37	LC 1-5
				Max M _y	-0.00	▷	0.02	-1.17	-0.00	0.43	LC 1-5
				Min M _y	5.00	▷	0.01	-1.04	0.00	-0.06	LC 1-4
				Max M _z	1.37	▷	0.02	-1.16	-0.00	0.34	LC 1-5
				Min M _z	3.63	▷	0.00	-1.04	0.00	0.03	LC 1-4
			0.000 Right	Max N	5.38	▷	0.01	-1.06	0.00	-0.03	LC 1-5
				Min N	-0.38	▷	0.02	-1.15	-0.00	0.40	LC 1-4
				Max V _y	2.27	▷	0.03	-1.13	-0.00	0.25	LC 1-5
				Min V _y	2.73	▷	0.00	-1.07	0.00	0.12	LC 1-4
				Max V _z	4.10	▷	0.01	-1.03	0.00	-0.03	LC 1-4
				Min V _z	0.89	▷	0.02	-1.18	-0.00	0.40	LC 1-5
				Max M _T	3.88	▷	0.01	-1.03	0.00	0.00	LC 1-4
				Min M _T	1.12	▷	0.02	-1.17	-0.00	0.37	LC 1-5
				Max M _y	-0.00	▷	0.02	-1.17	-0.00	0.43	LC 1-5
				Min M _y	5.00	▷	0.01	-1.04	0.00	-0.06	LC 1-4
				Max M _z	1.37	▷	0.02	-1.16	-0.00	0.34	LC 1-5
				Min M _z	3.63	▷	0.00	-1.04	0.00	0.03	LC 1-4
			0.174 Left	Max N	5.38	▷	0.01	-0.93	0.00	-0.21	LC 1-5
				Min N	-0.38	▷	0.02	-1.03	-0.00	0.21	LC 1-4
				Max V _y	2.27	▷	0.03	-1.01	-0.00	0.06	LC 1-5
				Min V _y	2.73	▷	0.00	-0.95	0.00	-0.06	LC 1-4
				Max V _z	4.10	▷	0.01	-0.90	0.00	-0.20	LC 1-4
				Min V _z	0.90	▷	0.02	-1.06	-0.00	0.20	LC 1-5
				Max M _T	3.88	▷	0.01	-0.91	0.00	-0.17	LC 1-4
				Min M _T	1.12	▷	0.02	-1.05	-0.00	0.17	LC 1-5
				Max M _y	-0.02	▷	0.02	-1.04	-0.00	0.24	LC 1-5
				Min M _y	5.03	▷	0.01	-0.92	0.00	-0.23	LC 1-4
				Max M _z	1.10	▷	0.02	-1.05	-0.00	0.17	LC 1-5
				Min M _z	3.91	▷	0.01	-0.91	0.00	-0.17	LC 1-4
			0.174 Right	Max N	5.38	▷	0.01	-0.93	0.00	-0.21	LC 1-5
				Min N	-0.38	▷	0.02	-1.03	-0.00	0.21	LC 1-4
				Max V _y	2.27	▷	0.03	-1.01	-0.00	0.06	LC 1-5
				Min V _y	2.73	▷	0.00	-0.95	0.00	-0.06	LC 1-4
				Max V _z	4.10	▷	0.01	-0.90	0.00	-0.20	LC 1-4
				Min V _z	0.90	▷	0.02	-1.06	-0.00	0.20	LC 1-5
				Max M _T	3.88	▷	0.01	-0.91	0.00	-0.17	LC 1-4
				Min M _T	1.12	▷	0.02	-1.05	-0.00	0.17	LC 1-5
				Max M _y	-0.02	▷	0.02	-1.04	-0.00	0.24	LC 1-5
				Min M _y	5.03	▷	0.01	-0.91	0.00	-0.23	LC 1-4

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding
					N	V _y	V _z	M _T	M _y	M _z	Load Cases
120	RC6		0.182 Left	Max M _z	1.10	0.02	-1.05	-0.00	0.17	0.01	LC 1-5
				Min M _z	3.91	0.01	-0.91	0.00	-0.17	-0.00	LC 1-4
				Max N	5.38	0.01	-0.92	0.00	-0.22	0.00	LC 1-5
				Min N	-0.38	0.02	-1.02	-0.00	0.20	0.00	LC 1-4
				Max V _y	2.27	0.03	-1.00	-0.00	0.05	0.01	LC 1-5
				Min V _y	2.73	0.00	-0.94	0.00	-0.07	-0.00	LC 1-4
				Max V _z	4.10	0.01	-0.89	0.00	-0.20	-0.00	LC 1-4
				Min V _z	0.90	0.02	-1.05	-0.00	0.19	0.01	LC 1-5
				Max M _T	3.88	0.01	-0.90	0.00	-0.18	-0.00	LC 1-4
				Min M _T	1.12	0.02	-1.04	-0.00	0.17	0.01	LC 1-5
				Max M _y	-0.02	0.02	-1.03	-0.00	0.23	0.00	LC 1-5
				Min M _y	5.03	0.01	-0.90	0.00	-0.24	-0.00	LC 1-4
				Max M _z	1.08	0.02	-1.04	-0.00	0.17	0.01	LC 1-5
				Min M _z	3.92	0.01	-0.90	0.00	-0.18	-0.00	LC 1-4
				Max N	5.38	0.01	-0.92	0.00	-0.22	0.00	LC 1-5
				Min N	-0.38	0.02	-1.02	-0.00	0.20	0.00	LC 1-4
				Max V _y	2.27	0.03	-1.00	-0.00	0.05	0.01	LC 1-5
				Min V _y	2.73	0.00	-0.94	0.00	-0.07	-0.00	LC 1-4
				Max V _z	4.10	0.01	-0.89	0.00	-0.20	-0.00	LC 1-4
				Min V _z	0.90	0.02	-1.05	-0.00	0.19	0.01	LC 1-5
				Max M _T	3.88	0.01	-0.90	0.00	-0.18	-0.00	LC 1-4
				Min M _T	1.12	0.02	-1.04	-0.00	0.17	0.01	LC 1-5
				Max M _y	-0.02	0.02	-1.03	-0.00	0.23	0.00	LC 1-5
				Min M _y	5.03	0.01	-0.90	0.00	-0.24	-0.00	LC 1-4
				Max M _z	1.08	0.02	-1.04	-0.00	0.17	0.01	LC 1-5
				Min M _z	3.92	0.01	-0.90	0.00	-0.18	-0.00	LC 1-4
				Max N	5.42	0.00	-0.06	0.00	-0.65	-0.01	LC 1-5
				Min N	-0.35	0.01	-0.15	-0.00	-0.35	-0.01	LC 1-4
				Max V _y	2.30	0.02	-0.14	-0.00	-0.48	-0.02	LC 1-5
				Min V _y	2.77	-0.01	-0.08	0.00	-0.52	0.00	LC 1-4
				Max V _z	4.14	0.00	-0.03	0.00	-0.60	-0.01	LC 1-4
				Min V _z	0.93	0.01	-0.18	-0.00	-0.39	-0.01	LC 1-5
				Max M _T	3.91	0.00	-0.04	0.00	-0.58	-0.01	LC 1-4
				Min M _T	1.16	0.01	-0.18	-0.00	-0.42	-0.01	LC 1-5
				Max M _y	-0.16	0.01	-0.16	-0.00	-0.34	-0.01	LC 1-5
				Min M _y	5.23	0.00	-0.05	0.00	-0.66	-0.01	LC 1-4
				Max M _z	2.46	-0.01	-0.09	0.00	-0.49	0.00	LC 1-5
				Min M _z	2.61	0.02	-0.12	-0.00	-0.50	-0.02	LC 1-4
				Max N	5.42	0.00	-0.06	0.00	-0.65	-0.01	LC 1-5
				Min N	-0.35	0.01	-0.15	-0.00	-0.35	-0.01	LC 1-4
				Max V _y	2.30	0.02	-0.14	-0.00	-0.48	-0.02	LC 1-5
				Min V _y	2.77	-0.01	-0.08	0.00	-0.52	0.00	LC 1-4
				Max V _z	4.14	0.00	-0.03	0.00	-0.60	-0.01	LC 1-4
				Min V _z	0.93	0.01	-0.18	-0.00	-0.39	-0.01	LC 1-5
				Max M _T	3.91	0.00	-0.04	0.00	-0.58	-0.01	LC 1-4
				Min M _T	1.16	0.01	-0.18	-0.00	-0.42	-0.01	LC 1-5
				Max M _y	-0.16	0.01	-0.16	-0.00	-0.34	-0.01	LC 1-5
				Min M _y	5.23	0.00	-0.05	0.00	-0.66	-0.01	LC 1-4
				Max M _z	2.46	-0.01	-0.09	0.00	-0.49	0.00	LC 1-5
				Min M _z	2.61	0.02	-0.12	-0.00	-0.50	-0.02	LC 1-4
124	RC1	73	0.000 Left	Max N	-5.07	0.01	0.39	0.01	-0.00	0.01	CO 9
				Min N	-11.49	0.12	-2.11	0.02	1.58	0.06	CO 8
				Max V _y	-11.49	0.12	-2.11	0.02	1.58	0.06	CO 8
				Min V _y	-5.07	0.01	0.39	0.01	-0.00	0.01	CO 9
				Max V _z	-5.19	0.01	0.41	0.01	-0.02	0.01	CO 14
				Min V _z	-11.37	0.12	-2.13	0.02	1.60	0.06	CO 3
				Max M _T	-11.47	0.12	-2.11	0.02	1.58	0.06	CO 7
				Min M _T	-5.09	0.01	0.39	0.01	-0.00	0.01	CO 10
				Max M _y	-11.37	0.12	-2.13	0.02	1.60	0.06	CO 3
				Min M _y	-5.19	0.01	0.41	0.01	-0.02	0.01	CO 14
				Max M _z	-11.44	0.12	-2.12	0.02	1.59	0.06	CO 6
				Min M _z	-5.07	0.01	0.39	0.01	-0.00	0.01	CO 9
				Max N	-5.07	0.01	0.39	0.01	-0.00	0.01	CO 9
				Min N	-11.49	0.12	-2.11	0.02	1.58	0.06	CO 8
				Max V _y	-11.49	0.12	-2.11	0.02	1.58	0.06	CO 8
				Min V _y	-5.07	0.01	0.39	0.01	-0.00	0.01	CO 9
				Max V _z	-5.19	0.01	0.41	0.01	-0.02	0.01	CO 14
				Min V _z	-11.37	0.12	-2.13	0.02	1.60	0.06	CO 3
				Max M _T	-11.47	0.12	-2.11	0.02	1.58	0.06	CO 7
				Min M _T	-5.09	0.01	0.39	0.01	-0.00	0.01	CO 10
				Max M _y	-11.37	0.12	-2.13	0.02	1.60	0.06	CO 3
				Min M _y	-5.19	0.01	0.41	0.01	-0.02	0.01	CO 14
				Max M _z	-11.44	0.12	-2.12	0.02	1.59	0.06	CO 6
				Min M _z	-5.07	0.01	0.39	0.01	-0.00	0.01	CO 9
				Max N	-5.06	0.01	0.41	0.01	0.07	0.00	CO 9
				Min N	-11.49	0.12	-1.95	0.02	1.22	0.04	CO 8
				Max V _y	-11.49	0.12	-1.95	0.02	1.22	0.04	CO 8
				Min V _y	-5.06	0.01	0.41	0.01	0.07	0.00	CO 9
				Max V _z	-5.19	0.01	0.43	0.01	0.05	0.00	CO 14
				Min V _z	-11.36	0.12	-1.97	0.02	1.24	0.04	CO 3
				Max M _T	-11.46	0.12	-1.95	0.02	1.22	0.04	CO 7
				Min M _T	-5.08	0.01	0.41	0.01	0.07	0.00	CO 10
				Max M _y	-11.36	0.12	-1.97	0.02	1.24	0.04	CO 3
				Min M _y	-5.19	0.01	0.43	0.01	0.05	0.00	CO 14
				Max M _z	-11.43	0.12	-1.96	0.02	1.23	0.04	CO 6
				Min M _z	-5.16	0.01	0.43	0.01	0.05	0.00	CO 13
				Max N	-5.06	0.01	0.41	0.01	0.07	0.00	CO 9
				Min N	-11.49	0.12	-1.95	0.02	1.22	0.04	CO 8
				Max V _y	-11.49	0.12	-1.95	0.02	1.22	0.04	CO 8
				Min V _y	-5.06	0.01	0.41	0.01	0.07	0.00	CO 9
				Max V _z	-5.19	0.01	0.43	0.01	0.05	0.00	CO 14
				Min V _z	-11.36	0.12	-1.97	0.02	1.24	0.04	CO 3

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases							
					N	V _y	V _z	M _T	M _y	M _z								
124	RC1			Max M _T	-11.46	0.12	-1.95	▷	0.02	1.22	0.04	CO 7						
					Min M _T	-5.08	0.01	0.41	▷	0.01	0.07	0.00	CO 10					
					Max M _y	-11.36	0.12	-1.97		0.02	1.24	0.04	CO 3					
					Min M _y	-5.19	0.01	0.43		0.01	0.05	0.00	CO 14					
					Max M _z	-11.43	0.12	-1.96		0.02	1.23	0.04	CO 6					
					Min M _z	-5.16	0.01	0.43		0.01	0.05	0.00	CO 13					
				0.182 Left	Max N	-5.06	0.01	0.41	▷	0.01	0.07	0.00	CO 9					
					Min N	-11.49	0.12	-1.94	▷	0.02	1.21	0.04	CO 8					
					Max V _y	-11.49	▷	0.12	-1.94	▷	0.02	1.21	0.04	CO 8				
					Min V _y	-5.06	▷	0.01	0.41		0.01	0.07	0.00	CO 9				
					Max V _z	-5.19	0.01	▷	0.43	0.01	0.06	0.00	CO 14					
					Min V _z	-11.36	0.12	▷	-1.96	0.02	1.22	0.04	CO 3					
					Max M _T	-11.46	0.12		-1.94	▷	0.02	1.21	0.04	CO 7				
					Min M _T	-5.08	0.01		0.41	▷	0.01	0.07	0.00	CO 10				
					Max M _y	-11.36	0.12		-1.96	0.02	1.22	0.04	CO 3					
					Min M _y	-5.19	0.01		0.43	▷	0.01	0.06	0.00	CO 14				
				0.182 Right	Max M _z	-11.43	0.12		-1.95	0.02	1.21	▷	0.04	CO 6				
					Min M _z	-5.16	0.01		0.43	0.01	0.06	▷	0.00	CO 13				
					Max N	-5.06	0.01	▷	0.41	0.01	0.07		0.00	CO 9				
					Min N	-11.49	0.12	▷	-1.94	0.02	1.21		0.04	CO 8				
					Max V _y	-11.49	▷	0.12	-1.94	0.02	1.21		0.04	CO 8				
					Min V _y	-5.06	▷	0.01	0.41	0.01	0.07		0.00	CO 9				
					Max V _z	-5.19	0.01	▷	0.43	0.01	0.06		0.00	CO 14				
					Min V _z	-11.36	0.12	▷	-1.96	0.02	1.22		0.04	CO 3				
					Max M _T	-11.46	0.12		-1.94	0.02	1.21		0.04	CO 7				
					Min M _T	-5.08	0.01		0.41	▷	0.01	0.07	0.00	CO 10				
				1.422 Left	Max M _y	-11.36	0.12		-1.96	0.02	1.22		0.04	CO 3				
					Min M _y	-5.19	0.01		0.43	▷	0.01	0.06	0.00	CO 14				
					Max M _z	-11.43	0.12		-1.95	0.02	1.21	▷	0.04	CO 6				
					Min M _z	-5.16	0.01		0.43	0.01	0.06	▷	0.00	CO 13				
					Max N	-5.02	0.01	▷	0.52	0.01	0.64		-0.01	CO 9				
					Min N	-11.44	0.10	▷	-0.74	0.02	-0.23		-0.10	CO 8				
					Max V _y	-11.44	▷	0.10	-0.74	0.02	-0.23		-0.10	CO 8				
					Min V _y	-5.02	▷	0.01	0.52	0.01	0.64		-0.01	CO 9				
					Max V _z	-5.15	0.01	▷	0.54	0.01	0.66		-0.01	CO 14				
					Min V _z	-11.32	0.10	▷	-0.77	0.02	-0.25		-0.10	CO 3				
				1.422 Right	Max M _T	-11.42	0.10		-0.74	▷	0.02	-0.23	-0.10	CO 7				
					Min M _T	-5.04	0.01		0.52	▷	0.01	0.64	-0.01	CO 10				
					Max M _y	-5.15	0.01		0.54	▷	0.01	0.66	-0.01	CO 14				
					Min M _y	-11.32	0.10		-0.77	▷	0.02	-0.25	-0.10	CO 3				
					Max M _z	-5.02	0.01		0.52	0.01	0.64	▷	-0.01	CO 9				
					Min M _z	-11.44	0.10		-0.74	0.02	-0.23	▷	-0.10	CO 8				
					Max N	-5.02	0.01	▷	0.52	0.01	0.64		-0.01	CO 9				
					Min N	-11.44	0.10	▷	-0.74	0.02	-0.23		-0.10	CO 8				
					Max V _y	-11.44	▷	0.10	-0.74	0.02	-0.23		-0.10	CO 8				
					Min V _y	-5.02	▷	0.01	0.52	0.01	0.64		-0.01	CO 9				
				89				Max V _z	-5.15	0.01	▷	0.54	0.01	0.66		-0.01	CO 14	
								Min V _z	-11.32	0.10	▷	-0.77	0.02	-0.25		-0.10	CO 3	
								Max M _T	-11.42	0.10		-0.74	▷	0.02	-0.23	-0.10	CO 7	
								Min M _T	-5.04	0.01		0.52	▷	0.01	0.64	-0.01	CO 10	
								Max M _y	-5.15	0.01		0.54	▷	0.01	0.66	-0.01	CO 14	
								Min M _y	-11.32	0.10		-0.77	▷	0.02	-0.25	-0.10	CO 3	
								Max M _z	-5.02	0.01		0.52	0.01	0.64	▷	-0.01	CO 9	
								Min M _z	-11.44	0.10		-0.74	0.02	-0.23	▷	-0.10	CO 8	
								Max N	-5.02	0.01	▷	0.52	0.01	0.64		-0.01	CO 9	
								Min N	-11.44	0.10	▷	-0.74	0.02	-0.23		-0.10	CO 8	
								Max V _y	-11.44	▷	0.10	-0.74	0.02	-0.23		-0.10	CO 8	
								Min V _y	-5.02	▷	0.01	0.52	0.01	0.64		-0.01	CO 9	
								Max V _z	-5.15	0.01	▷	0.54	0.01	0.66		-0.01	CO 14	
								Min V _z	-11.32	0.10	▷	-0.77	0.02	-0.25		-0.10	CO 3	
								Max M _T	-11.42	0.10		-0.74	▷	0.02	-0.23	-0.10	CO 7	
								Min M _T	-5.04	0.01		0.52	▷	0.01	0.64	-0.01	CO 10	
								Max M _y	-5.15	0.01		0.54	▷	0.01	0.66	-0.01	CO 14	
								Min M _y	-11.32	0.10		-0.77	▷	0.02	-0.25	-0.10	CO 3	
								Max M _z	-5.02	0.01		0.52	0.01	0.64	▷	-0.01	CO 9	
								Min M _z	-11.44	0.10		-0.74	0.02	-0.23	▷	-0.10	CO 8	
	RC2	73	0.000 Left						Max N	-3.62	0.01	▷	0.29	0.01	-0.03	0.00	CO 23	
									Min N	-8.37	0.09	▷	-1.57	0.01	1.15	0.05	CO 22	
									Max V _y	-8.37	▷	0.09	-1.57	0.01	1.15	0.05	CO 22	
									Min V _y	-3.62	▷	0.01	0.29	0.01	-0.03	0.00	CO 23	
									Max V _z	-3.71	0.01	▷	0.31	0.01	-0.04	0.00	CO 28	
									Min V _z	-8.28	0.09	▷	-1.59	0.01	1.16	0.05	CO 17	
									Max M _T	-8.36	0.09		-1.57	▷	0.01	1.15	0.05	CO 21
									Min M _T	-3.63	0.01		0.29	▷	0.01	-0.03	0.00	CO 24
				Max M _y	-8.28	0.09			-1.59	▷	0.01	1.16	0.05	CO 17				
				Min M _y	-3.71	0.01			0.31	▷	0.01	-0.04	0.00	CO 28				
				0.000 Right	Max M _z	-8.33	0.09		-1.58	0.01	1.15	▷	0.05	CO 20				
					Min M _z	-3.62	0.01	▷	0.29	0.01	-0.03	▷	0.00	CO 23				
					Max N	-3.62	0.01	▷	0.29	0.01	-0.03		0.00	CO 23				
					Min N	-8.37	0.09	▷	-1.57	0.01	1.15		0.05	CO 22				
					Max V _y	-8.37	▷	0.09	-1.57	0.01	1.15		0.05	CO 22				
					Min V _y	-3.62	▷	0.01	0.29	0.01	-0.03		0.00	CO 23				
					Max V _z	-3.71	0.01	▷	0.31	0.01	-0.04		0.00	CO 28				
					Min V _z	-8.28	0.09	▷	-1.59	0.01	1.16		0.05	CO 17				
					Max M _T	-8.36	0.09		-1.57	▷	0.01	1.15	0.05	CO 21				
					Min M _T	-3.63	0.01		0.29	▷	0.01	-0.03	0.00	CO 24				
				0.174 Left	Max M _y	-8.28	0.09		-1.59	▷	0.01	1.16	0.05	CO 17				
					Min M _y	-3.71	0.01		0.31	▷	0.01	-0.04	0.00	CO 28				
	Max M _z	-8.33	0.09			-1.58	0.01	1.15	▷	0.05	CO 20							
	Min M _z	-3.62	0.01			0.29	0.01	-0.03	▷	0.00	CO 23							
	Max N	-3.61	0.01		▷	0.30	0.01	0.03		0.00	CO 23							
	Min N	-8.37	0.09		▷	-1.45	0.01	0.88		0.03	CO 22							
	Max V _y	-8.37	▷		0.09	-1.45	0.01	0.88		0.03	CO 22							
	Min V _y	-3.61	▷		0.01	0.30	0.01	0.03		0.00	CO 23							
Max V _z	-3.71	0.01	▷		0.32	0.01	0.01		0.00	CO 28								
Min V _z	-8.28	0.09	▷		-1.47	0.01	0.89		0.03	CO 17								
Max M _T	-8.35	0.09			-1.45	▷	0.01	0.88	0.03	CO 21								
Min M _T	-3.63	0.01			0.30	▷	0.01	0.02	0.00	CO 24								
0.174 Right	Max M _y	-8.28	0.09		-1.47	▷	0.01	0.89	0.03	CO 17								
	Min M _y	-3.71	0.01		0.32	▷	0.01	0.01	0.00	CO 28								
	Max M _z	-8.32	0.09		-1.46	0.01	0.89	▷	0.03	CO 20								
	Min M _z	-3.69	0.01		0.32	0.01	0.02	▷	0.00	CO 27								
	Max N	-3.61	0.01	▷	0.30	0.01	0.03		0.00	CO 23								
	Min N	-8.37	0.09	▷	-1.45	0.01	0.88		0.03	CO 22								



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding							
					N	V _y	V _z	M _T	M _y	M _z	Load Cases							
124	RC2				Max V _y	-8.37	▷	0.09	-1.45	0.01	0.88	0.03	CO 22					
				Min V _y	-3.61		0.01	0.30	0.01	0.03	0.00	CO 23						
				Max V _z	-3.71	▷	0.01	0.32	0.01	0.01	0.00	CO 28						
				Min V _z	-8.28	▷	0.09	-1.47	0.01	0.89	0.03	CO 17						
				Max M _T	-8.35		0.09	-1.45	▷	0.01	0.88	0.03	CO 21					
				Min M _T	-3.63	▷	0.01	0.30	▷	0.01	0.02	0.00	CO 24					
				Max M _y	-8.28		0.09	-1.47	▷	0.01	▷	0.89	0.03	CO 17				
				Min M _y	-3.71	▷	0.01	0.32	▷	0.01	▷	0.01	0.00	CO 28				
				Max M _z	-8.32		0.09	-1.46	▷	0.01	▷	0.89	0.03	CO 20				
				Min M _z	-3.69		0.01	0.32	▷	0.01	▷	0.02	0.00	CO 27				
				0.182 Left	Max N	▷	-3.61	▷	0.01	0.30	▷	0.01	▷	0.03	0.00	CO 23		
					Min N	▷	-8.37	▷	0.09	-1.44	▷	0.01	▷	0.87	0.03	CO 22		
					Max V _y	▷	-8.37	▷	0.09	-1.44	▷	0.01	▷	0.87	0.03	CO 22		
					Min V _y	▷	-3.61	▷	0.01	0.30	▷	0.01	▷	0.03	0.00	CO 23		
					Max V _z	▷	-3.71	▷	0.01	0.32	▷	0.01	▷	0.02	0.00	CO 28		
					Min V _z	▷	-8.28	▷	0.09	-1.46	▷	0.01	▷	0.88	0.03	CO 17		
					Max M _T	▷	-8.35	▷	0.09	-1.44	▷	▷	0.01	0.87	0.03	CO 21		
					Min M _T	▷	-3.63	▷	0.01	0.30	▷	▷	0.01	0.03	0.00	CO 24		
					Max M _y	▷	-8.28	▷	0.09	-1.46	▷	▷	0.01	0.88	0.03	CO 17		
					Min M _y	▷	-3.71	▷	0.01	0.32	▷	▷	0.01	0.02	0.00	CO 28		
					Max M _z	▷	-8.32	▷	0.09	-1.45	▷	▷	0.01	0.87	▷	0.03	CO 20	
					Min M _z	▷	-3.69	▷	0.01	0.32	▷	▷	0.01	0.02	▷	0.00	CO 27	
				0.182 Right	Max N	▷	-3.61	▷	0.01	0.30	▷	▷	0.01	▷	0.03	0.00	CO 23	
					Min N	▷	-8.37	▷	0.09	-1.44	▷	▷	0.01	▷	0.87	0.03	CO 22	
					Max V _y	▷	-8.37	▷	0.09	-1.44	▷	▷	0.01	▷	0.87	0.03	CO 22	
					Min V _y	▷	-3.61	▷	0.01	0.30	▷	▷	0.01	▷	0.03	0.00	CO 23	
					Max V _z	▷	-3.71	▷	0.01	0.32	▷	▷	0.01	▷	0.02	0.00	CO 28	
					Min V _z	▷	-8.28	▷	0.09	-1.46	▷	▷	0.01	▷	0.88	0.03	CO 17	
					Max M _T	▷	-8.35	▷	0.09	-1.44	▷	▷	▷	0.01	0.87	0.03	CO 21	
					Min M _T	▷	-3.63	▷	0.01	0.30	▷	▷	▷	0.01	0.03	0.00	CO 24	
					Max M _y	▷	-8.28	▷	0.09	-1.46	▷	▷	▷	0.01	0.88	0.03	CO 17	
					Min M _y	▷	-3.71	▷	0.01	0.32	▷	▷	▷	0.01	0.02	0.00	CO 28	
					Max M _z	▷	-8.32	▷	0.09	-1.45	▷	▷	▷	0.01	0.87	▷	0.03	CO 20
					Min M _z	▷	-3.69	▷	0.01	0.32	▷	▷	▷	0.01	0.02	▷	0.00	CO 27
				1.422 Left	Max N	▷	-3.58	▷	0.01	0.38	▷	▷	▷	0.01	0.45	-0.00	CO 23	
					Min N	▷	-8.33	▷	0.08	-0.55	▷	▷	▷	0.01	-0.20	-0.07	CO 22	
					Max V _y	▷	-8.33	▷	0.08	-0.55	▷	▷	▷	0.01	-0.20	-0.07	CO 22	
					Min V _y	▷	-3.58	▷	0.01	0.38	▷	▷	▷	0.01	0.45	-0.00	CO 23	
					Max V _z	▷	-3.67	▷	0.01	0.40	▷	▷	▷	0.01	0.46	-0.01	CO 28	
					Min V _z	▷	-8.24	▷	0.08	-0.57	▷	▷	▷	0.01	-0.21	-0.07	CO 17	
					Max M _T	▷	-8.32	▷	0.08	-0.55	▷	▷	▷	0.01	-0.20	-0.07	CO 21	
					Min M _T	▷	-3.60	▷	0.01	0.38	▷	▷	▷	0.01	0.45	-0.00	CO 24	
					Max M _y	▷	-3.67	▷	0.01	0.40	▷	▷	▷	0.01	0.46	-0.01	CO 28	
					Min M _y	▷	-8.24	▷	0.08	-0.57	▷	▷	▷	0.01	-0.21	-0.07	CO 17	
					Max M _z	▷	-3.58	▷	0.01	0.38	▷	▷	▷	0.01	0.45	-0.00	CO 23	
					Min M _z	▷	-8.33	▷	0.08	-0.55	▷	▷	▷	0.01	-0.20	-0.07	CO 22	
				89	1.422 Right	Max N	▷	-3.58	▷	0.01	0.38	▷	▷	▷	0.01	0.45	-0.00	CO 23
						Min N	▷	-8.33	▷	0.08	-0.55	▷	▷	▷	0.01	-0.20	-0.07	CO 22
						Max V _y	▷	-8.33	▷	0.08	-0.55	▷	▷	▷	0.01	-0.20	-0.07	CO 22
						Min V _y	▷	-3.58	▷	0.01	0.38	▷	▷	▷	0.01	0.45	-0.00	CO 23
						Max V _z	▷	-3.67	▷	0.01	0.40	▷	▷	▷	0.01	0.46	-0.01	CO 28
						Min V _z	▷	-8.24	▷	0.08	-0.57	▷	▷	▷	0.01	-0.21	-0.07	CO 17
						Max M _T	▷	-8.32	▷	0.08	-0.55	▷	▷	▷	0.01	-0.20	-0.07	CO 21
						Min M _T	▷	-3.60	▷	0.01	0.38	▷	▷	▷	0.01	0.45	-0.00	CO 24
						Max M _y	▷	-3.67	▷	0.01	0.40	▷	▷	▷	0.01	0.46	-0.01	CO 28
						Min M _y	▷	-8.24	▷	0.08	-0.57	▷	▷	▷	0.01	-0.21	-0.07	CO 17
						Max M _z	▷	-3.58	▷	0.01	0.38	▷	▷	▷	0.01	0.45	-0.00	CO 23
						Min M _z	▷	-8.33	▷	0.08	-0.55	▷	▷	▷	0.01	-0.20	-0.07	CO 22
				RC6	73	0.000 Left	Max N	▷	-6.24	▷	0.08	-1.91	▷	0.00	1.07	0.05	LC 1-4	
							Min N	▷	-9.56	▷	0.09	-0.95	▷	0.01	0.57	0.04	LC 1-5	
Max V _y	▷	-8.22	▷				0.38	-1.42	▷	0.00	0.81	0.13	LC 1-4					
Min V _y	▷	-7.58	▷				-0.21	-1.44	▷	0.01	0.82	-0.04	LC 1-5					
Max V _z	▷	-9.36	▷				0.09	-0.77	▷	0.02	0.55	0.04	LC 1-5					
Min V _z	▷	-6.44	▷				0.08	-2.09	▷	-0.00	1.09	0.05	LC 1-4					
Max M _T	▷	-8.42	▷				-0.15	-1.05	▷	0.02	0.65	-0.03	LC 1-5					
Min M _T	▷	-7.38	▷				0.32	-1.81	▷	-0.00	0.98	0.12	LC 1-4					
Max M _y	▷	-6.64	▷				0.12	-2.05	▷	0.00	1.15	0.06	LC 1-4					
Min M _y	▷	-9.16	▷				0.05	-0.81	▷	0.01	0.48	0.02	LC 1-5					
Max M _z	▷	-8.05	▷				0.37	-1.48	▷	0.00	0.85	0.13	LC 1-4					
Min M _z	▷	-7.75	▷				-0.20	-1.38	▷	0.01	0.79	-0.05	LC 1-5					
0.000 Right	Max N	▷	-6.24			▷	0.08	-1.91	▷	0.00	1.07	0.05	LC 1-4					
	Min N	▷	-9.56			▷	0.09	-0.95	▷	0.01	0.57	0.04	LC 1-5					
	Max V _y	▷	-8.22			▷	0.38	-1.42	▷	0.00	0.81	0.13	LC 1-4					
	Min V _y	▷	-7.58			▷	-0.21	-1.44	▷	0.01	0.82	-0.04	LC 1-5					
	Max V _z	▷	-9.36			▷	0.09	-0.77	▷	0.02	0.55	0.04	LC 1-5					
	Min V _z	▷	-6.44			▷	0.08	-2.09	▷	-0.00	1.09	0.05	LC 1-4					
	Max M _T	▷	-8.42			▷	-0.15	-1.05	▷	0.02	0.65	-0.03	LC 1-5					
	Min M _T	▷	-7.38			▷	0.32	-1.81	▷	-0.00	0.98	0.12	LC 1-4					
	Max M _y	▷	-6.64			▷	0.12	-2.05	▷	0.00	1.15	0.06	LC 1-4					
	Min M _y	▷	-9.16			▷	0.05	-0.81	▷	0.01	0.48	0.02	LC 1-5					
	Max M _z	▷	-8.05			▷	0.37	-1.48	▷	0.00	0.85	0.13	LC 1-4					
	Min M _z	▷	-7.75			▷	-0.20	-1.38	▷	0.01	0.79	-0.05	LC 1-5					
0.174 Left	Max N	▷	-6.23			▷	0.08	-1.78	▷	0.00	0.74	0.04	LC 1-4					
	Min N	▷	-9.56			▷	0.09	-0.83	▷	0.01	0.41	0.02	LC 1-5					
	Max V _y	▷	-8.22			▷	0.38	-1.30	▷	0.00	0.57	0.07	LC 1-4					
	Min V _y	▷	-7.57			▷	-0.21	-1.31	▷	0.01	0.58	-0.01	LC 1-5					
	Max V _z	▷	-9.36			▷	0.09	-0.65	▷	0.02	0.42	0.03	LC 1-5					
	Min V _z	▷	-6.43			▷	0.08	-1.97	▷	-0.00	0.73	0.03	LC 1-4					
	Max M _T	▷	-8.42			▷	-0.15	-0.93	▷	0.02	0.48	-0.00	LC 1-5					
	Min M _T	▷	-7.37			▷	0.32	-1.69	▷	-0.00	0.68	0.06	LC 1-4					
	Max M _y	▷	-6.66			▷	0.10	-1.90	▷	0.00	0.81	0.04	LC 1-4					
	Min M _y	▷	-9.14			▷	0.07	-0.71	▷	0.01	0.35	0.02	LC 1-5					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
124	RC6		0.174 Right	Max M _z	-7.80	0.36	-1.44	0.00	0.63	0.07	LC 1-4
				Min M _z	-7.99	-0.19	-1.18	0.02	0.52	-0.01	LC 1-5
				Max N	-6.23	0.08	-1.78	0.00	0.74	0.04	LC 1-4
				Min N	-9.56	0.09	-0.83	0.01	0.41	0.02	LC 1-5
				Max V _y	-8.22	0.38	-1.30	0.00	0.57	0.07	LC 1-4
				Min V _y	-7.57	-0.21	-1.31	0.01	0.58	-0.01	LC 1-5
				Max V _z	-9.36	0.09	-0.65	0.02	0.42	0.03	LC 1-5
				Min V _z	-6.43	0.08	-1.97	-0.00	0.73	0.03	LC 1-4
				Max M _T	-8.42	-0.15	-0.92	0.02	0.48	-0.00	LC 1-5
				Min M _T	-7.37	0.32	-1.69	-0.00	0.68	0.06	LC 1-4
				Max M _y	-6.66	0.10	-1.90	0.00	0.81	0.04	LC 1-4
				Min M _y	-9.14	0.07	-0.71	0.01	0.35	0.02	LC 1-5
				Max M _z	-7.80	0.36	-1.44	0.00	0.63	0.07	LC 1-4
				Min M _z	-7.99	-0.19	-1.18	0.02	0.52	-0.01	LC 1-5
				Max N	-6.23	0.08	-1.77	0.00	0.73	0.04	LC 1-4
				Min N	-9.56	0.09	-0.82	0.01	0.40	0.02	LC 1-5
				Max V _y	-8.22	0.38	-1.29	0.00	0.56	0.06	LC 1-4
				Min V _y	-7.57	-0.21	-1.30	0.01	0.57	-0.01	LC 1-5
				Max V _z	-9.36	0.09	-0.64	0.02	0.41	0.03	LC 1-5
				Min V _z	-6.43	0.08	-1.96	-0.00	0.72	0.03	LC 1-4
				Max M _T	-8.42	-0.15	-0.91	0.02	0.47	-0.00	LC 1-5
				Min M _T	-7.37	0.32	-1.68	-0.00	0.66	0.06	LC 1-4
				Max M _y	-6.66	0.10	-1.89	0.00	0.79	0.04	LC 1-4
				Min M _y	-9.13	0.07	-0.70	0.01	0.34	0.02	LC 1-5
				Max M _z	-7.78	0.36	-1.43	0.00	0.62	0.07	LC 1-4
				Min M _z	-8.01	-0.19	-1.16	0.02	0.51	-0.01	LC 1-5
			0.182 Right	Max N	-6.23	0.08	-1.77	0.00	0.73	0.04	LC 1-4
				Min N	-9.56	0.09	-0.82	0.01	0.40	0.02	LC 1-5
				Max V _y	-8.22	0.38	-1.29	0.00	0.56	0.06	LC 1-4
				Min V _y	-7.57	-0.21	-1.30	0.01	0.57	-0.01	LC 1-5
				Max V _z	-9.36	0.09	-0.64	0.02	0.41	0.03	LC 1-5
				Min V _z	-6.43	0.08	-1.96	-0.00	0.72	0.03	LC 1-4
				Max M _T	-8.42	-0.15	-0.91	0.02	0.47	-0.00	LC 1-5
				Min M _T	-7.37	0.32	-1.68	-0.00	0.66	0.06	LC 1-4
				Max M _y	-6.66	0.10	-1.89	0.00	0.79	0.04	LC 1-4
				Min M _y	-9.13	0.07	-0.70	0.01	0.34	0.02	LC 1-5
				Max M _z	-7.78	0.36	-1.43	0.00	0.62	0.07	LC 1-4
				Min M _z	-8.01	-0.19	-1.16	0.02	0.51	-0.01	LC 1-5
			1.422 Left	Max N	-6.20	0.07	-0.88	0.00	-0.75	-0.06	LC 1-4
				Min N	-9.52	0.08	0.07	0.01	0.11	-0.08	LC 1-5
				Max V _y	-8.19	0.37	-0.40	0.00	-0.31	-0.40	LC 1-4
				Min V _y	-7.54	-0.22	-0.41	0.01	-0.32	0.26	LC 1-5
				Max V _z	-9.32	0.08	0.26	0.02	0.35	-0.08	LC 1-5
				Min V _z	-6.40	0.07	-1.06	-0.00	-0.99	-0.06	LC 1-4
				Max M _T	-8.39	-0.16	-0.02	0.02	0.06	0.19	LC 1-5
				Min M _T	-7.34	0.31	-0.79	-0.00	-0.70	-0.33	LC 1-4
				Max M _y	-9.29	0.07	0.25	0.02	0.35	-0.07	LC 1-5
				Min M _y	-6.43	0.08	-1.06	-0.00	-0.99	-0.07	LC 1-4
				Max M _z	-7.49	-0.21	-0.44	0.01	-0.34	0.26	LC 1-4
				Min M _z	-8.24	0.37	-0.37	0.00	-0.29	-0.40	LC 1-5
		89	1.422 Right	Max N	-6.20	0.07	-0.88	0.00	-0.75	-0.06	LC 1-4
				Min N	-9.52	0.08	0.07	0.01	0.11	-0.08	LC 1-5
				Max V _y	-8.19	0.37	-0.40	0.00	-0.31	-0.40	LC 1-4
				Min V _y	-7.54	-0.22	-0.41	0.01	-0.32	0.26	LC 1-5
				Max V _z	-9.32	0.08	0.26	0.02	0.35	-0.08	LC 1-5
				Min V _z	-6.40	0.07	-1.06	-0.00	-0.99	-0.06	LC 1-4
				Max M _T	-8.39	-0.16	-0.02	0.02	0.06	0.19	LC 1-5
				Min M _T	-7.34	0.31	-0.79	-0.00	-0.70	-0.33	LC 1-4
				Max M _y	-9.29	0.07	0.25	0.02	0.35	-0.07	LC 1-5
				Min M _y	-6.43	0.08	-1.06	-0.00	-0.99	-0.07	LC 1-4
				Max M _z	-7.49	-0.21	-0.44	0.01	-0.34	0.26	LC 1-4
				Min M _z	-8.24	0.37	-0.37	0.00	-0.29	-0.40	LC 1-5
127	RC1	77	0.000 Left	Max N	-5.57	-0.00	-0.24	0.00	-0.03	0.00	CO 13
				Min N	-10.65	0.04	-0.72	0.01	-0.22	0.01	CO 6
				Max V _y	-10.45	0.04	-0.72	0.01	-0.22	0.01	CO 2
				Min V _y	-5.75	-0.00	-0.23	0.00	-0.03	0.00	CO 11
				Max V _z	-5.86	-0.00	-0.21	0.00	-0.04	0.00	CO 10
				Min V _z	-10.34	0.04	-0.74	0.01	-0.21	0.01	CO 7
				Max M _T	-10.65	0.04	-0.72	0.01	-0.22	0.01	CO 6
				Min M _T	-5.57	-0.00	-0.24	0.00	-0.03	0.00	CO 13
				Max M _y	-5.57	-0.00	-0.24	0.00	-0.03	0.00	CO 13
				Min M _y	-10.64	0.04	-0.71	0.01	-0.22	0.01	CO 4
				Max M _z	-10.45	0.04	-0.72	0.01	-0.22	0.01	CO 2
				Min M _z	-5.75	-0.00	-0.23	0.00	-0.03	0.00	CO 11
			0.000 Right	Max N	-5.57	-0.00	-0.24	0.00	-0.03	0.00	CO 13
				Min N	-10.65	0.04	-0.72	0.01	-0.22	0.01	CO 6
				Max V _y	-10.45	0.04	-0.72	0.01	-0.22	0.01	CO 2
				Min V _y	-5.75	-0.00	-0.23	0.00	-0.03	0.00	CO 11
				Max V _z	-5.86	-0.00	-0.21	0.00	-0.04	0.00	CO 10
				Min V _z	-10.34	0.04	-0.74	0.01	-0.21	0.01	CO 7
				Max M _T	-10.65	0.04	-0.72	0.01	-0.22	0.01	CO 6
				Min M _T	-5.57	-0.00	-0.24	0.00	-0.03	0.00	CO 13
				Max M _y	-5.57	-0.00	-0.24	0.00	-0.03	0.00	CO 13
				Min M _y	-10.64	0.04	-0.71	0.01	-0.22	0.01	CO 4
				Max M _z	-10.45	0.04	-0.72	0.01	-0.22	0.01	CO 2
				Min M _z	-5.75	-0.00	-0.23	0.00	-0.03	0.00	CO 11
			0.174 Left	Max N	-5.56	-0.00	-0.22	0.00	-0.07	0.00	CO 13
				Min N	-10.64	0.04	-0.55	0.01	-0.34	0.01	CO 6
				Max V _y	-10.45	0.04	-0.55	0.01	-0.33	0.01	CO 2
				Min V _y	-5.75	-0.00	-0.21	0.00	-0.07	0.00	CO 11
				Max V _z	-5.86	-0.00	-0.20	0.00	-0.08	0.00	CO 10
				Min V _z	-10.33	0.04	-0.57	0.01	-0.33	0.01	CO 7



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases					
					N	V _y	V _z	M _T	M _y	M _z						
127	RC1			0.174 Right	Max M _T	-10.64	0.04	-0.55	▷	0.01	-0.34	0.01	CO 6			
					Min M _T	-5.56	-0.00	-0.22	▷	0.00	-0.07	0.00	CO 13			
					Max M _y	-5.56	-0.00	-0.22	▷	0.00	-0.07	0.00	CO 13			
					Min M _y	-10.63	0.04	-0.54	▷	0.01	-0.34	0.01	CO 4			
					Max M _z	-10.45	0.04	-0.55	▷	0.01	-0.33	0.01	CO 2			
					Min M _z	-5.75	-0.00	-0.21	▷	0.00	-0.07	0.00	CO 11			
					Max N	-5.56	-0.00	-0.22	▷	0.00	-0.07	0.00	CO 13			
					Min N	-10.64	0.04	-0.55	▷	0.01	-0.34	0.01	CO 6			
					Max V _y	-10.45	▷	0.04	-0.55	0.01	-0.33	0.01	CO 2			
					Min V _y	-5.75	▷	-0.00	-0.21	0.00	-0.07	0.00	CO 11			
					Max V _z	-5.86	-0.00	▷	-0.20	0.00	-0.08	0.00	CO 10			
					Min V _z	-10.33	0.04	▷	-0.57	0.01	-0.33	0.01	CO 7			
					Max M _T	-10.64	0.04	-0.55	▷	0.01	-0.34	0.01	CO 6			
					Min M _T	-5.56	-0.00	-0.22	▷	0.00	-0.07	0.00	CO 13			
					Max M _y	-5.56	-0.00	-0.22	▷	0.00	-0.07	0.00	CO 13			
					Min M _y	-10.63	0.04	-0.54	▷	0.01	-0.34	0.01	CO 4			
					Max M _z	-10.45	0.04	-0.55	▷	0.01	-0.33	▷	0.01	CO 2		
					0.177 Left	Min M _z	-5.75	-0.00	-0.21	▷	0.00	-0.07	▷	0.00	CO 11	
				Max N		-5.56	-0.00	-0.22	▷	0.00	-0.07	▷	0.00	CO 13		
				Min N		-10.64	0.04	-0.55	▷	0.01	-0.34	▷	0.01	CO 6		
				Max V _y		-10.45	▷	0.04	-0.55	0.01	-0.33	▷	0.01	CO 2		
				Min V _y		-5.75	▷	-0.00	-0.21	0.00	-0.07	▷	0.00	CO 11		
				Max V _z		-5.86	-0.00	▷	-0.20	0.00	-0.08	▷	0.00	CO 10		
				Min V _z		-10.33	0.04	▷	-0.57	0.01	-0.33	▷	0.01	CO 7		
				Max M _T		-10.64	0.04	-0.55	▷	0.01	-0.34	▷	0.01	CO 6		
				Min M _T		-5.56	-0.00	-0.22	▷	0.00	-0.07	▷	0.00	CO 13		
				Max M _y		-5.56	-0.00	-0.22	▷	0.00	-0.07	▷	0.00	CO 13		
				Min M _y		-10.63	0.04	-0.54	▷	0.01	-0.34	▷	0.01	CO 4		
				Max M _z		-10.45	0.04	-0.55	▷	0.01	-0.33	▷	0.01	CO 2		
				Min M _z		-5.75	-0.00	-0.21	▷	0.00	-0.07	▷	0.00	CO 11		
				Max N		-5.56	-0.00	-0.22	▷	0.00	-0.07	▷	0.00	CO 13		
				Min N		-10.64	0.04	-0.55	▷	0.01	-0.34	▷	0.01	CO 6		
				Max V _y		-10.45	▷	0.04	-0.55	0.01	-0.33	▷	0.01	CO 2		
				Min V _y		-5.75	▷	-0.00	-0.21	0.00	-0.07	▷	0.00	CO 11		
				0.177 Right		Max V _z	-5.86	-0.00	▷	-0.20	0.00	-0.08	▷	0.00	CO 10	
					Min V _z	-10.33	0.04	▷	-0.57	0.01	-0.33	▷	0.01	CO 7		
					Max M _T	-10.64	0.04	-0.55	▷	0.01	-0.34	▷	0.01	CO 6		
					Min M _T	-5.56	-0.00	-0.22	▷	0.00	-0.07	▷	0.00	CO 13		
					Max M _y	-5.56	-0.00	-0.22	▷	0.00	-0.07	▷	0.00	CO 13		
					Min M _y	-10.63	0.04	-0.54	▷	0.01	-0.34	▷	0.01	CO 4		
					Max M _z	-10.45	0.04	-0.55	▷	0.01	-0.33	▷	0.01	CO 2		
					Min M _z	-5.75	-0.00	-0.21	▷	0.00	-0.07	▷	0.00	CO 11		
					Max N	-5.56	-0.00	-0.22	▷	0.00	-0.07	▷	0.00	CO 13		
					Min N	-10.64	0.04	-0.55	▷	0.01	-0.34	▷	0.01	CO 6		
					Max V _y	-10.45	▷	0.04	-0.55	0.01	-0.33	▷	0.01	CO 2		
					Min V _y	-5.75	▷	-0.00	-0.21	0.00	-0.07	▷	0.00	CO 11		
					Max V _z	-5.86	-0.00	▷	-0.20	0.00	-0.08	▷	0.00	CO 10		
					Min V _z	-10.33	0.04	▷	-0.57	0.01	-0.33	▷	0.01	CO 7		
					Max M _T	-10.64	0.04	-0.55	▷	0.01	-0.34	▷	0.01	CO 6		
					Min M _T	-5.56	-0.00	-0.22	▷	0.00	-0.07	▷	0.00	CO 13		
					Max M _y	-5.56	-0.00	-0.22	▷	0.00	-0.07	▷	0.00	CO 13		
					1.407 Left	Min M _y	-10.63	0.04	-0.54	▷	0.01	-0.34	▷	0.01	CO 4	
				Max M _z		-10.45	0.04	-0.55	▷	0.01	-0.33	▷	0.01	CO 2		
				Min M _z		-5.75	-0.00	-0.21	▷	0.00	-0.07	▷	0.00	CO 11		
				Max N		-5.52	-0.00	-0.11	▷	0.00	-0.28	▷	0.00	CO 13		
				Min N		-10.60	0.04	0.64	▷	0.01	-0.05	▷	-0.05	CO 6		
				Max V _y		-10.40	▷	0.04	0.63	0.01	-0.06	▷	-0.05	CO 2		
				Min V _y		-5.70	-0.00	-0.10	▷	0.00	-0.27	▷	0.00	CO 11		
				Max V _z		-10.59	0.04	0.64	▷	0.01	-0.05	▷	-0.05	CO 4		
				Min V _z		-5.52	-0.00	-0.11	▷	0.00	-0.28	▷	0.00	CO 13		
				Max M _T		-10.60	0.04	0.64	▷	0.01	-0.05	▷	-0.05	CO 6		
				Min M _T		-5.52	-0.00	-0.11	▷	0.00	-0.28	▷	0.00	CO 13		
				Max M _y		-10.59	0.04	0.64	▷	0.01	-0.05	▷	-0.05	CO 4		
				Min M _y		-5.52	-0.00	-0.11	▷	0.00	-0.28	▷	0.00	CO 13		
				Max M _z		-5.70	-0.00	-0.10	▷	0.00	-0.27	▷	0.00	CO 11		
				Min M _z		-10.40	0.04	0.63	▷	0.01	-0.06	▷	-0.05	CO 2		
				1.407 Right		Max N	-5.52	-0.00	-0.11	▷	0.00	-0.28	▷	0.00	CO 13	
						Min N	-10.60	0.04	0.64	▷	0.01	-0.05	▷	-0.05	CO 6	
						Max V _y	-10.40	▷	0.04	0.63	0.01	-0.06	▷	-0.05	CO 2	
					Min V _y	-5.70	▷	-0.00	-0.10	0.00	-0.27	▷	0.00	CO 11		
					Max V _z	-10.59	0.04	0.64	▷	0.01	-0.05	▷	-0.05	CO 4		
					Min V _z	-5.52	-0.00	-0.11	▷	0.00	-0.28	▷	0.00	CO 13		
					Max M _T	-10.60	0.04	0.64	▷	0.01	-0.05	▷	-0.05	CO 6		
					Min M _T	-5.52	-0.00	-0.11	▷	0.00	-0.28	▷	0.00	CO 13		
					Max M _y	-10.59	0.04	0.64	▷	0.01	-0.05	▷	-0.05	CO 4		
					Min M _y	-5.52	-0.00	-0.11	▷	0.00	-0.28	▷	0.00	CO 13		
					Max M _z	-5.70	-0.00	-0.10	▷	0.00	-0.27	▷	0.00	CO 11		
					Min M _z	-10.40	0.04	0.63	▷	0.01	-0.06	▷	-0.05	CO 2		
					RC2 77	0.000 Left	Max N	-3.91	-0.00	-0.18	▷	0.00	-0.01	▷	0.00	CO 27
							Min N	-7.66	0.03	-0.53	▷	0.01	-0.16	▷	0.01	CO 20
							Max V _y	-7.51	▷	0.03	-0.53	0.01	-0.15	▷	0.01	CO 16
							Min V _y	-4.05	▷	-0.00	-0.17	0.00	-0.02	▷	0.00	CO 25
							Max V _z	-4.12	-0.00	▷	-0.16	0.00	-0.03	▷	0.00	CO 24
							Min V _z	-7.44	0.03	▷	-0.55	0.01	-0.15	▷	0.01	CO 21
				Max M _T			-7.66	0.03	-0.53	▷	0.01	-0.16	▷	0.01	CO 20	
				Min M _T			-3.91	-0.00	-0.18	▷	0.00	-0.01	▷	0.00	CO 27	
				Max M _y			-3.91	-0.00	-0.18	▷	0.00	-0.01	▷	0.00	CO 27	
Min M _y	-7.65	0.03	-0.53	▷			0.01	-0.16	▷	0.01	CO 18					
Max M _z	-7.51	0.03	-0.53	▷			0.01	-0.15	▷	0.01	CO 16					
Min M _z	-4.05	-0.00	-0.17	▷			0.00	-0.02	▷	0.00	CO 25					
Max N	-3.91	-0.00	-0.18	▷			0.00	-0.01	▷	0.00	CO 27					
Min N	-7.66	0.03	-0.53	▷			0.01	-0.16	▷	0.01	CO 20					
Max V _y	-7.51	▷	0.03	-0.53			0.01	-0.15	▷	0.01	CO 16					
Min V _y	-4.05	▷	-0.00	-0.17			0.00	-0.02	▷	0.00	CO 25					
0.000 Right	Max V _z	-4.12	-0.00	▷			-0.16	0.00	-0.03	▷	0.00	CO 24				
	Min V _z	-7.44	0.03	▷			-0.55	0.01	-0.15	▷	0.01	CO 21				
	Max M _T	-7.66	0.03	-0.53	▷	0.01	-0.16	▷	0.01	CO 20						
	Min M _T	-3.91	-0.00	-0.18	▷	0.00	-0.01	▷	0.00	CO 27						
	Max M _y	-3.91	-0.00	-0.18	▷	0.00	-0.01	▷	0.00	CO 27						
	Min M _y	-7.65	0.03	-0.53	▷	0.01	-0.16	▷	0.01	CO 18						
	Max M _z	-7.51	0.03	-0.53	▷	0.01	-0.15	▷	0.01	CO 16						
	Min M _z	-4.05	-0.00	-0.17	▷	0.00	-0.02	▷	0.00	CO 25						
	Max N	-3.91	-0.00	-0.17	▷	0.00	-0.04	▷	0.00	CO 27						
	Min N	-7.65	0.03	-0.41	▷	0.01	-0.24	▷	0.01	CO 20						



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
127	RC2		0.174 Right	Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16	
				Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25	
				Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24	
				Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21	
				Max M _T	-7.65	0.03	-0.41	0.01	-0.24	0.01	CO 20	
				Min M _T	-3.91	-0.00	-0.17	0.00	-0.04	0.00	CO 27	
				Max M _y	-3.91	-0.00	-0.17	0.00	-0.04	0.00	CO 27	
				Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.01	CO 18	
				Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16	
				Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25	
				Max N	-3.91	-0.00	-0.17	0.00	-0.04	0.00	CO 27	
				Min N	-7.65	0.03	-0.41	0.01	-0.24	0.01	CO 20	
				Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16	
				Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25	
				Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24	
				Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21	
				Max M _T	-7.65	0.03	-0.41	0.01	-0.24	0.01	CO 20	
				Min M _T	-3.91	-0.00	-0.17	0.00	-0.04	0.00	CO 27	
				Max M _y	-3.91	-0.00	-0.17	0.00	-0.04	0.00	CO 27	
				Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.01	CO 18	
				Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16	
				Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25	
				Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27	
				Min N	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20	
				Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16	
				Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25	
				Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24	
				Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21	
				Max M _T	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20	
				Min M _T	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27	
				Max M _y	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27	
				Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 18	
				Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16	
				Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25	
				Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27	
				Min N	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20	
				Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16	
				Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25	
				Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24	
				Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21	
				Max M _T	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20	
				Min M _T	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27	
				Max M _y	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27	
				Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 18	
				Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16	
				Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25	
				Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27	
				Min N	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20	
				Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16	
				Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25	
				Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24	
				Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21	
				Max M _T	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20	
				Min M _T	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27	
				Max M _y	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27	
				Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 18	
				Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16	
				Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25	
				Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27	
				Min N	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20	
Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24					
Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21					
Max M _T	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Min M _T	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Max M _y	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 18					
Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min N	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24					
Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21					
Max M _T	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Min M _T	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Max M _y	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 18					
Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min N	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24					
Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21					
Max M _T	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Min M _T	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Max M _y	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 18					
Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min N	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24					
Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21					
Max M _T	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Min M _T	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Max M _y	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 18					
Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min N	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24					
Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21					
Max M _T	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Min M _T	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Max M _y	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 18					
Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min N	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24					
Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21					
Max M _T	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Min M _T	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Max M _y	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 18					
Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min N	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24					
Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21					
Max M _T	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Min M _T	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Max M _y	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 18					
Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min N	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Max V _y	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min V _y	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max V _z	-4.12	-0.00	-0.15	0.00	-0.05	0.00	CO 24					
Min V _z	-7.44	0.03	-0.42	0.01	-0.24	0.00	CO 21					
Max M _T	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 20					
Min M _T	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Max M _y	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min M _y	-7.65	0.03	-0.40	0.01	-0.24	0.00	CO 18					
Max M _z	-7.51	0.03	-0.41	0.01	-0.24	0.01	CO 16					
Min M _z	-4.05	-0.00	-0.16	0.00	-0.05	0.00	CO 25					
Max N	-3.91	-0.00	-0.17	0.00	-0.05	0.00	CO 27					
Min N	-7.65											



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases			
				N	V _y	V _z	M _T	M _y	M _z						
127	RC6		0.174 Left	Max M _z	-5.78	0.09	-0.41	0.01	-0.17	0.03	LC 1-4				
				Min M _z	-7.14	-0.02	-0.78	0.01	0.03	-0.01	LC 1-5				
				Max N	-4.85	0.05	-0.19	0.01	-0.27	0.01	LC 1-4				
				Min N	-8.06	0.02	-0.75	0.00	-0.07	0.00	LC 1-5				
				Max V _y	-5.97	0.09	-0.33	0.01	-0.22	0.01	LC 1-4				
				Min V _y	-6.94	-0.03	-0.61	0.01	-0.12	-0.00	LC 1-5				
				Max V _z	-5.78	0.04	-0.07	0.01	-0.34	0.01	LC 1-4				
				Min V _z	-7.13	0.02	-0.87	0.00	-0.00	0.00	LC 1-5				
				Max M _T	-5.84	0.02	-0.18	0.01	-0.29	0.01	LC 1-5				
				Min M _T	-7.06	0.05	-0.76	0.00	-0.04	0.00	LC 1-4				
				Max M _y	-7.05	0.03	-0.87	0.00	-0.00	0.00	LC 1-5				
				Min M _y	-5.86	0.04	-0.07	0.01	-0.34	0.01	LC 1-4				
				Max M _z	-5.57	0.09	-0.23	0.01	-0.26	0.01	LC 1-4				
				Min M _z	-7.33	-0.02	-0.71	0.01	-0.08	-0.00	LC 1-5				
				Max N	-4.85	0.05	-0.19	0.01	-0.27	0.01	LC 1-4				
				Min N	-8.06	0.02	-0.75	0.00	-0.07	0.00	LC 1-5				
				Max V _y	-5.97	0.09	-0.33	0.01	-0.22	0.01	LC 1-4				
				Min V _y	-6.94	-0.03	-0.61	0.01	-0.12	-0.00	LC 1-5				
				Max V _z	-5.78	0.04	-0.07	0.01	-0.34	0.01	LC 1-4				
				Min V _z	-7.13	0.02	-0.87	0.00	-0.00	0.00	LC 1-5				
				Max M _T	-5.84	0.02	-0.18	0.01	-0.29	0.01	LC 1-5				
				Min M _T	-7.06	0.05	-0.76	0.00	-0.04	0.00	LC 1-4				
				Max M _y	-7.05	0.03	-0.87	0.00	-0.00	0.00	LC 1-5				
				Min M _y	-5.86	0.04	-0.07	0.01	-0.34	0.01	LC 1-4				
				Max M _z	-5.57	0.09	-0.23	0.01	-0.26	0.01	LC 1-4				
				Min M _z	-7.33	-0.02	-0.71	0.01	-0.08	-0.00	LC 1-5				
				Max N	-4.85	0.05	-0.19	0.01	-0.27	0.01	LC 1-4				
				Min N	-8.06	0.02	-0.75	0.00	-0.08	0.00	LC 1-5				
				Max V _y	-5.97	0.09	-0.33	0.01	-0.22	0.01	LC 1-4				
				Min V _y	-6.94	-0.03	-0.61	0.01	-0.12	-0.00	LC 1-5				
				Max V _z	-5.78	0.04	-0.07	0.01	-0.34	0.01	LC 1-4				
				Min V _z	-7.13	0.02	-0.87	0.00	-0.00	0.00	LC 1-5				
				Max M _T	-5.84	0.02	-0.18	0.01	-0.29	0.01	LC 1-5				
				Min M _T	-7.06	0.05	-0.76	0.00	-0.05	0.00	LC 1-4				
				Max M _y	-7.05	0.03	-0.87	0.00	-0.00	0.00	LC 1-5				
				Min M _y	-5.86	0.04	-0.07	0.01	-0.34	0.01	LC 1-4				
				Max M _z	-5.57	0.09	-0.23	0.01	-0.26	0.01	LC 1-4				
				Min M _z	-7.34	-0.02	-0.71	0.01	-0.08	-0.00	LC 1-5				
				Max N	-4.85	0.05	-0.19	0.01	-0.27	0.01	LC 1-4				
				Min N	-8.06	0.02	-0.75	0.00	-0.08	0.00	LC 1-5				
				Max V _y	-5.97	0.09	-0.33	0.01	-0.22	0.01	LC 1-4				
				Min V _y	-6.94	-0.03	-0.61	0.01	-0.12	-0.00	LC 1-5				
				Max V _z	-5.78	0.04	-0.07	0.01	-0.34	0.01	LC 1-4				
				Min V _z	-7.13	0.02	-0.87	0.00	-0.00	0.00	LC 1-5				
				Max M _T	-5.84	0.02	-0.18	0.01	-0.29	0.01	LC 1-5				
				Min M _T	-7.06	0.05	-0.76	0.00	-0.05	0.00	LC 1-4				
				Max M _y	-7.05	0.03	-0.87	0.00	-0.00	0.00	LC 1-5				
				Min M _y	-5.86	0.04	-0.07	0.01	-0.34	0.01	LC 1-4				
				Max M _z	-5.57	0.09	-0.23	0.01	-0.26	0.01	LC 1-4				
				Min M _z	-7.34	-0.02	-0.71	0.01	-0.08	-0.00	LC 1-5				
				Max N	-4.82	0.05	0.68	0.01	0.21	-0.05	LC 1-4				
				Min N	-8.02	0.02	0.12	0.00	-0.30	-0.02	LC 1-5				
				Max V _y	-5.93	0.09	0.54	0.01	0.08	-0.10	LC 1-4				
				Min V _y	-6.91	-0.03	0.26	0.01	-0.17	0.03	LC 1-5				
				Max V _z	-5.74	0.04	0.80	0.01	0.28	-0.05	LC 1-4				
				Min V _z	-7.10	0.02	-0.00	0.00	-0.37	-0.03	LC 1-5				
				Max M _T	-5.81	0.02	0.69	0.01	0.18	-0.01	LC 1-5				
				Min M _T	-7.03	0.05	0.11	0.00	-0.28	-0.06	LC 1-4				
				Max M _y	-5.71	0.05	0.80	0.01	0.28	-0.05	LC 1-4				
				Min M _y	-7.13	0.02	-0.00	0.00	-0.37	-0.03	LC 1-5				
				Max M _z	-6.85	-0.03	0.27	0.01	-0.16	0.03	LC 1-5				
				Min M _z	-5.99	0.09	0.53	0.01	0.07	-0.10	LC 1-4				
				130	RC1	81	1.407 Right	Max N	-4.82	0.05	0.68	0.01	0.21	-0.05	LC 1-4
								Min N	-8.02	0.02	0.12	0.00	-0.30	-0.02	LC 1-5
								Max V _y	-5.93	0.09	0.54	0.01	0.08	-0.10	LC 1-4
								Min V _y	-6.91	-0.03	0.26	0.01	-0.17	0.03	LC 1-5
								Max V _z	-5.74	0.04	0.80	0.01	0.28	-0.05	LC 1-4
								Min V _z	-7.10	0.02	-0.00	0.00	-0.37	-0.03	LC 1-5
								Max M _T	-5.81	0.02	0.69	0.01	0.18	-0.01	LC 1-5
								Min M _T	-7.03	0.05	0.11	0.00	-0.28	-0.06	LC 1-4
								Max M _y	-5.71	0.05	0.80	0.01	0.28	-0.05	LC 1-4
								Min M _y	-7.13	0.02	-0.00	0.00	-0.37	-0.03	LC 1-5
								Max M _z	-6.85	-0.03	0.27	0.01	-0.16	0.03	LC 1-5
								Min M _z	-5.99	0.09	0.53	0.01	0.07	-0.10	LC 1-4
0.000 Right	Max N	2.78	-0.01					-1.75	0.00	0.33	-0.00	CO 7			
	Min N	-1.54	-0.00					-0.36	0.00	0.11	-0.00	CO 10			
	Max V _y	-1.54	-0.00					-0.36	0.00	0.11	-0.00	CO 10			
	Min V _y	2.78	-0.01					-1.75	0.00	0.33	-0.00	CO 7			
	Max V _z	-1.28	-0.00					-0.36	0.00	0.10	-0.00	CO 14			
	Min V _z	2.52	-0.01					-1.76	0.00	0.33	-0.00	CO 3			
	Max M _T	2.78	-0.01					-1.75	0.00	0.33	-0.00	CO 7			
	Min M _T	-1.54	-0.00					-0.36	0.00	0.11	-0.00	CO 10			
	Max M _y	2.54	-0.01					-1.75	0.00	0.33	-0.00	CO 5			
	Min M _y	-1.28	-0.00					-0.36	0.00	0.10	-0.00	CO 14			
	Max M _z	-1.54	-0.00					-0.36	0.00	0.11	-0.00	CO 10			
	Min M _z	2.54	-0.01					-1.75	0.00	0.33	-0.00	CO 5			
	Max N	2.78	-0.01	-1.75	0.00	0.33	-0.00	CO 7							
	Min N	-1.54	-0.00	-0.36	0.00	0.11	-0.00	CO 10							
	Max V _y	-1.54	-0.00	-0.36	0.00	0.11	-0.00	CO 10							
	Min V _y	2.78	-0.01	-1.75	0.00	0.33	-0.00	CO 7							
	Max V _z	-1.28	-0.00	-0.36	0.00	0.10	-0.00	CO 14							
	Min V _z	2.52	-0.01	-1.76	0.00	0.33	-0.00	CO 3							



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding					
					N	V _y	V _z	M _T	M _y	M _z	Load Cases					
130	RC1	77	0.174	Left	Max M _T	2.78	-0.01	-1.75	▷	0.00	0.33	-0.00	CO 7			
					Min M _T	-1.54	-0.00	-0.36	▷	0.00	0.11	-0.00	CO 10			
					Max M _y	2.54	-0.01	-1.75		0.00	▷	0.33	-0.00	CO 5		
					Min M _y	-1.28	-0.00	-0.36		0.00	▷	0.10	-0.00	CO 14		
					Max M _z	-1.54	-0.00	-0.36		0.00		0.11	▷	-0.00	CO 10	
					Min M _z	2.54	-0.01	-1.75		0.00		0.33	▷	-0.00	CO 5	
				Left	Max N	2.79	-0.01	-1.58		0.00		0.04		-0.00	CO 7	
					Min N	-1.53	-0.00	-0.35		0.00		0.04		-0.00	CO 10	
					Max V _y	-1.53	▷	-0.00	-0.35		0.00		0.04		-0.00	CO 10
					Min V _y	2.79	▷	-0.01	-1.58		0.00		0.04		-0.00	CO 7
					Max V _z	-1.27	-0.00	▷	-0.34		0.00		0.04		-0.00	CO 14
					Min V _z	2.53	-0.01	▷	-1.59		0.00		0.04		-0.00	CO 3
					Max M _T	2.79	-0.01	-1.58	▷	0.00		0.04		-0.00	CO 7	
					Min M _T	-1.53	-0.00	-0.35	▷	0.00		0.04		-0.00	CO 10	
					Max M _y	-1.36	-0.00	-0.35		0.00	▷	0.05		-0.00	CO 11	
					Min M _y	2.62	-0.01	-1.58		0.00	▷	0.03		-0.00	CO 2	
					Max M _z	-1.27	-0.00	-0.34		0.00		0.04	▷	-0.00	CO 14	
					Min M _z	2.55	-0.01	-1.59		0.00		0.04	▷	-0.00	CO 5	
				Right	Max N	2.79	-0.01	-1.58		0.00		0.04		-0.00	CO 7	
					Min N	-1.53	-0.00	-0.35		0.00		0.04		-0.00	CO 10	
					Max V _y	-1.53	▷	-0.00	-0.35		0.00		0.04		-0.00	CO 10
					Min V _y	2.79	▷	-0.01	-1.58		0.00		0.04		-0.00	CO 7
					Max V _z	-1.27	-0.00	▷	-0.34		0.00		0.04		-0.00	CO 14
					Min V _z	2.53	-0.01	▷	-1.59		0.00		0.04		-0.00	CO 3
					Max M _T	2.79	-0.01	-1.58	▷	0.00		0.04		-0.00	CO 7	
					Min M _T	-1.53	-0.00	-0.35	▷	0.00		0.04		-0.00	CO 10	
					Max M _y	-1.36	-0.00	-0.35		0.00	▷	0.05		-0.00	CO 11	
					Min M _y	2.62	-0.01	-1.58		0.00	▷	0.03		-0.00	CO 2	
				Left	Max M _z	-1.27	-0.00	-0.34		0.00		0.04	▷	-0.00	CO 14	
					Min M _z	2.55	-0.01	-1.59		0.00		0.04	▷	-0.00	CO 5	
					Max N	2.79	-0.01	-1.58		0.00		0.03		-0.00	CO 7	
					Min N	-1.53	-0.00	-0.35		0.00		0.04		-0.00	CO 10	
					Max V _y	-1.53	▷	-0.00	-0.35		0.00		0.04		-0.00	CO 10
					Min V _y	2.79	▷	-0.01	-1.58		0.00		0.03		-0.00	CO 7
					Max V _z	-1.27	-0.00	▷	-0.34		0.00		0.04		-0.00	CO 14
					Min V _z	2.53	-0.01	▷	-1.59		0.00		0.03		-0.00	CO 3
					Max M _T	2.79	-0.01	-1.58	▷	0.00		0.03		-0.00	CO 7	
					Min M _T	-1.53	-0.00	-0.35	▷	0.00		0.04		-0.00	CO 10	
				Right	Max M _y	-1.36	-0.00	-0.35		0.00	▷	0.05		-0.00	CO 11	
					Min M _y	2.62	-0.01	-1.57		0.00	▷	0.02		-0.00	CO 2	
					Max M _z	-1.27	-0.00	-0.34		0.00		0.04	▷	-0.00	CO 14	
					Min M _z	2.55	-0.01	-1.58		0.00		0.03	▷	-0.00	CO 5	
					Max N	2.79	-0.01	-1.58		0.00		0.03		-0.00	CO 7	
					Min N	-1.53	-0.00	-0.35		0.00		0.04		-0.00	CO 10	
					Max V _y	-1.53	▷	-0.00	-0.35		0.00		0.04		-0.00	CO 10
					Min V _y	2.79	▷	-0.01	-1.58		0.00		0.03		-0.00	CO 7
					Max V _z	-1.27	-0.00	▷	-0.34		0.00		0.04		-0.00	CO 14
					Min V _z	2.53	-0.01	▷	-1.59		0.00		0.03		-0.00	CO 3
				Left	Max M _T	2.79	-0.01	-1.58	▷	0.00		0.03		-0.00	CO 7	
					Min M _T	-1.53	-0.00	-0.35	▷	0.00		0.04		-0.00	CO 10	
					Max M _y	-1.36	-0.00	-0.35		0.00	▷	0.05		-0.00	CO 11	
					Min M _y	2.62	-0.01	-1.57		0.00	▷	0.02		-0.00	CO 2	
					Max M _z	-1.27	-0.00	-0.34		0.00		0.04	▷	-0.00	CO 14	
					Min M _z	2.55	-0.01	-1.58		0.00		0.03	▷	-0.00	CO 5	
					Max N	2.83	-0.01	-0.44		0.00		-0.98		0.01	CO 7	
					Min N	-1.49	-0.00	-0.24		0.00		-0.32		0.00	CO 10	
					Max V _y	-1.49	▷	-0.00	-0.24		0.00		-0.32		0.00	CO 10
					Min V _y	2.83	▷	-0.01	-0.44		0.00		-0.98		0.01	CO 7
				Right	Max V _z	-1.23	-0.00	▷	-0.23		0.00		-0.31		0.00	CO 14
					Min V _z	2.57	-0.01	▷	-0.45		0.00		-0.99		0.01	CO 3
					Max M _T	2.83	-0.01	-0.44	▷	0.00		-0.98		0.01	CO 7	
					Min M _T	-1.49	-0.00	-0.24	▷	0.00		-0.32		0.00	CO 10	
					Max M _y	-1.08	-0.00	-0.23		0.00	▷	-0.31		0.00	CO 13	
					Min M _y	2.42	-0.01	-0.44		0.00	▷	-0.99		0.01	CO 4	
					Max M _z	2.68	-0.01	-0.43		0.00		-0.98	▷	0.01	CO 8	
					Min M _z	-1.34	-0.00	-0.24		0.00		-0.31	▷	0.00	CO 9	
					Max N	2.83	-0.01	-0.44		0.00		-0.98		0.01	CO 7	
					Min N	-1.49	-0.00	-0.24		0.00		-0.32		0.00	CO 10	
				Left	Max V _y	-1.49	▷	-0.00	-0.24		0.00		-0.32		0.00	CO 10
					Min V _y	2.83	▷	-0.01	-0.44		0.00		-0.98		0.01	CO 7
					Max V _z	-1.23	-0.00	▷	-0.23		0.00		-0.31		0.00	CO 14
					Min V _z	2.57	-0.01	▷	-0.45		0.00		-0.99		0.01	CO 3
					Max M _T	2.83	-0.01	-0.44	▷	0.00		-0.98		0.01	CO 7	
					Min M _T	-1.49	-0.00	-0.24	▷	0.00		-0.32		0.00	CO 10	
					Max M _y	-1.08	-0.00	-0.23		0.00	▷	-0.31		0.00	CO 13	
					Min M _y	2.42	-0.01	-0.44		0.00	▷	-0.99		0.01	CO 4	
					Max M _z	2.68	-0.01	-0.43		0.00		-0.98	▷	0.01	CO 8	
					Min M _z	-1.34	-0.00	-0.24		0.00		-0.31	▷	0.00	CO 9	
RC2	81	0.000 Left	Max N	2.03	-0.01	-1.27		0.00	0.24	-0.00	CO 21					
			Min N	-1.15	-0.00	-0.25		0.00	0.07	-0.00	CO 24					
			Max V _y	-1.15	▷	-0.00	-0.25		0.00	0.07	-0.00	CO 24				
			Min V _y	2.03	▷	-0.01	-1.27		0.00	0.24	-0.00	CO 21				
			Max V _z	-0.96	-0.00	▷	-0.24		0.00	0.07	-0.00	CO 28				
			Min V _z	1.84	-0.01	▷	-1.28		0.00	0.24	-0.00	CO 17				
			Max M _T	2.03	-0.01	-1.27	▷	0.00	0.24	-0.00	CO 21					
			Min M _T	-1.15	-0.00	-0.25	▷	0.00	0.07	-0.00	CO 24					
			Max M _y	1.85	-0.01	-1.28		0.00	▷	0.24	-0.00	CO 19				
			Min M _y	-0.96	-0.00	-0.24		0.00	▷	0.07	-0.00	CO 28				
			Max M _z	-1.15	-0.00	-0.25		0.00		0.07	▷	-0.00	CO 24			
			Min M _z	1.85	-0.01	-1.28		0.00		0.24	▷	-0.00	CO 19			
		0.000 Right	Max N	2.03	-0.01	-1.27		0.00	0.24	-0.00	CO 21					
Min N	-1.15	-0.00	-0.25		0.00	0.07	-0.00	CO 24								

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
130	RC2		0.174 Left	Max V _y	-1.15	▷	-0.00	-0.25	0.00	0.07	-0.00	CO 24
				Min V _y	2.03	▷	-0.01	-1.27	0.00	0.24	-0.00	CO 21
				Max V _z	-0.96	▷	-0.00	-0.24	0.00	0.07	-0.00	CO 28
				Min V _z	1.84	▷	-0.01	-1.28	0.00	0.24	-0.00	CO 17
				Max M _T	2.03	▷	-0.01	-1.27	0.00	0.24	-0.00	CO 21
				Min M _T	-1.15	▷	-0.00	-0.25	0.00	0.07	-0.00	CO 24
				Max M _y	1.85	▷	-0.01	-1.28	0.00	0.24	-0.00	CO 19
				Min M _y	-0.96	▷	-0.00	-0.24	0.00	0.07	-0.00	CO 28
				Max M _z	-1.15	▷	-0.00	-0.25	0.00	0.07	-0.00	CO 24
				Min M _z	1.85	▷	-0.01	-1.28	0.00	0.24	-0.00	CO 19
				Max N	2.03	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 21
				Min N	-1.15	▷	-0.00	-0.24	0.00	0.03	-0.00	CO 24
				Max V _y	-1.15	▷	-0.00	-0.24	0.00	0.03	-0.00	CO 24
				Min V _y	2.03	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 21
				Max V _z	-0.95	▷	-0.00	-0.23	0.00	0.03	-0.00	CO 28
				Min V _z	1.84	▷	-0.01	-1.15	0.00	0.03	-0.00	CO 17
				Max M _T	2.03	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 21
				Min M _T	-1.15	▷	-0.00	-0.24	0.00	0.03	-0.00	CO 24
				Max M _y	-1.03	▷	-0.00	-0.24	0.00	0.04	-0.00	CO 25
				Min M _y	1.92	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 16
				Max M _z	-0.95	▷	-0.00	-0.23	0.00	0.03	-0.00	CO 28
				Min M _z	1.86	▷	-0.01	-1.15	0.00	0.03	-0.00	CO 19
				Max N	2.03	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 21
				Min N	-1.15	▷	-0.00	-0.24	0.00	0.03	-0.00	CO 24
				Max V _y	-1.15	▷	-0.00	-0.24	0.00	0.03	-0.00	CO 24
				Min V _y	2.03	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 21
				Max V _z	-0.95	▷	-0.00	-0.23	0.00	0.03	-0.00	CO 28
				Min V _z	1.84	▷	-0.01	-1.15	0.00	0.03	-0.00	CO 17
				Max M _T	2.03	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 21
				Min M _T	-1.15	▷	-0.00	-0.24	0.00	0.03	-0.00	CO 24
				Max M _y	-1.03	▷	-0.00	-0.24	0.00	0.04	-0.00	CO 25
				Min M _y	1.92	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 16
				Max M _z	-0.95	▷	-0.00	-0.23	0.00	0.03	-0.00	CO 28
				Min M _z	1.86	▷	-0.01	-1.15	0.00	0.03	-0.00	CO 19
				Max N	2.03	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 21
				Min N	-1.15	▷	-0.00	-0.24	0.00	0.03	-0.00	CO 24
				Max V _y	-1.15	▷	-0.00	-0.24	0.00	0.03	-0.00	CO 24
				Min V _y	2.03	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 21
				Max V _z	-0.95	▷	-0.00	-0.23	0.00	0.03	-0.00	CO 28
				Min V _z	1.84	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 17
				Max M _T	2.03	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 21
				Min M _T	-1.15	▷	-0.00	-0.24	0.00	0.03	-0.00	CO 24
				Max M _y	-1.03	▷	-0.00	-0.24	0.00	0.04	-0.00	CO 25
				Min M _y	1.92	▷	-0.01	-1.14	0.00	0.01	-0.00	CO 16
				Max M _z	-0.95	▷	-0.00	-0.23	0.00	0.03	-0.00	CO 28
				Min M _z	1.86	▷	-0.01	-1.15	0.00	0.02	-0.00	CO 19
				Max N	2.07	▷	-0.01	-0.30	0.00	-0.70	0.01	CO 21
				Min N	-1.11	▷	-0.00	-0.15	0.00	-0.21	0.00	CO 24
				Max V _y	-1.11	▷	-0.00	-0.15	0.00	-0.21	0.00	CO 24
				Min V _y	2.07	▷	-0.01	-0.30	0.00	-0.70	0.01	CO 21
				Max V _z	-0.92	▷	-0.00	-0.15	0.00	-0.20	0.00	CO 28
				Min V _z	1.87	▷	-0.01	-0.31	0.00	-0.70	0.01	CO 17
				Max M _T	2.07	▷	-0.01	-0.30	0.00	-0.70	0.01	CO 21
				Min M _T	-1.11	▷	-0.00	-0.15	0.00	-0.21	0.00	CO 24
				Max M _y	-0.82	▷	-0.00	-0.15	0.00	-0.20	0.00	CO 27
				Min M _y	1.77	▷	-0.01	-0.30	0.00	-0.71	0.01	CO 18
				Max M _z	1.97	▷	-0.01	-0.30	0.00	-0.70	0.01	CO 22
				Min M _z	-1.01	▷	-0.00	-0.16	0.00	-0.21	0.00	CO 23
				Max N	3.19	▷	-0.01	-1.09	-0.00	0.09	0.00	LC 1-4
				Min N	-0.97	▷	-0.01	-1.07	0.00	0.31	-0.00	LC 1-5
				Max V _y	1.06	▷	0.01	-1.12	-0.00	0.23	0.00	LC 1-5
				Min V _y	1.16	▷	-0.02	-1.04	0.00	0.17	-0.01	LC 1-4
				Max V _z	2.12	▷	-0.02	-1.01	0.00	0.04	-0.01	LC 1-4
				Min V _z	0.11	▷	-0.00	-1.15	-0.00	0.36	0.00	LC 1-5
				Max M _T	0.26	▷	-0.02	-1.03	0.00	0.20	-0.01	LC 1-5
				Min M _T	1.96	▷	0.00	-1.13	-0.00	0.19	0.01	LC 1-4
				Max M _y	-0.69	▷	-0.00	-1.13	-0.00	0.39	0.00	LC 1-5
				Min M _y	2.92	▷	-0.01	-1.03	0.00	0.00	-0.00	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
130	RC6	77	0.000 Right	Max M _z	1.71	0.00	-1.13	-0.00	0.20	0.01	LC 1-4
				Min M _z	0.51	-0.02	-1.03	0.00	0.19	-0.01	LC 1-5
				Max N	3.19	-0.01	-1.09	-0.00	0.09	0.00	LC 1-4
				Min N	-0.97	-0.01	-1.07	0.00	0.31	-0.00	LC 1-5
				Max V _y	1.06	0.01	-1.12	-0.00	0.23	0.00	LC 1-5
				Min V _y	1.16	-0.02	-1.04	0.00	0.16	-0.01	LC 1-4
				Max V _z	2.12	-0.02	-1.01	0.00	0.04	-0.01	LC 1-4
				Min V _z	0.11	-0.00	-1.15	-0.00	0.36	0.00	LC 1-5
				Max M _T	0.26	-0.02	-1.03	0.00	0.20	-0.01	LC 1-5
				Min M _T	1.96	0.00	-1.13	-0.00	0.19	0.01	LC 1-4
				Max M _y	-0.69	-0.00	-1.13	-0.00	0.39	0.00	LC 1-5
				Min M _y	2.92	-0.01	-1.03	0.00	0.00	-0.00	LC 1-4
				Max M _z	1.71	0.00	-1.13	-0.00	0.20	0.01	LC 1-4
				Min M _z	0.51	-0.02	-1.03	0.00	0.19	-0.01	LC 1-5
				Max N	3.20	-0.01	-0.96	-0.00	-0.10	0.00	LC 1-4
				Min N	-0.96	-0.01	-0.95	0.00	0.13	-0.00	LC 1-5
				Max V _y	1.07	0.01	-0.99	-0.00	0.04	0.00	LC 1-5
				Min V _y	1.17	-0.02	-0.92	0.00	-0.01	-0.01	LC 1-4
				Max V _z	2.12	-0.02	-0.89	0.00	-0.13	-0.00	LC 1-4
				Min V _z	0.11	-0.00	-1.03	-0.00	0.16	0.00	LC 1-5
				Max M _T	0.26	-0.02	-0.91	0.00	0.03	-0.01	LC 1-5
				Min M _T	1.97	0.00	-1.01	-0.00	0.00	0.01	LC 1-4
				Max M _y	-0.71	-0.00	-1.01	-0.00	0.20	0.00	LC 1-5
				Min M _y	2.94	-0.01	-0.90	0.00	-0.17	-0.00	LC 1-4
				Max M _z	1.85	0.00	-1.01	-0.00	0.01	0.01	LC 1-4
				Min M _z	0.38	-0.02	-0.91	0.00	0.03	-0.01	LC 1-5
				Max N	3.20	-0.01	-0.96	-0.00	-0.10	0.00	LC 1-4
				Min N	-0.96	-0.01	-0.95	0.00	0.13	-0.00	LC 1-5
				Max V _y	1.07	0.01	-0.99	-0.00	0.04	0.00	LC 1-5
				Min V _y	1.17	-0.02	-0.92	0.00	-0.01	-0.01	LC 1-4
				Max V _z	2.12	-0.02	-0.89	0.00	-0.13	-0.00	LC 1-4
				Min V _z	0.11	-0.00	-1.03	-0.00	0.16	0.00	LC 1-5
				Max M _T	0.26	-0.02	-0.91	0.00	0.03	-0.01	LC 1-5
				Min M _T	1.97	0.00	-1.01	-0.00	0.00	0.01	LC 1-4
				Max M _y	-0.71	-0.00	-1.01	-0.00	0.20	0.00	LC 1-5
				Min M _y	2.94	-0.01	-0.90	0.00	-0.17	-0.00	LC 1-4
				Max M _z	1.85	0.00	-1.01	-0.00	0.01	0.01	LC 1-4
				Min M _z	0.38	-0.02	-0.91	0.00	0.03	-0.01	LC 1-5
				Max N	3.20	-0.01	-0.96	-0.00	-0.10	0.00	LC 1-4
				Min N	-0.96	-0.01	-0.95	0.00	0.13	-0.00	LC 1-5
				Max V _y	1.07	0.01	-0.99	-0.00	0.04	0.00	LC 1-5
				Min V _y	1.17	-0.02	-0.92	0.00	-0.01	-0.01	LC 1-4
				Max V _z	2.12	-0.02	-0.88	0.00	-0.13	-0.00	LC 1-4
				Min V _z	0.11	-0.00	-1.03	-0.00	0.16	0.00	LC 1-5
				Max M _T	0.26	-0.02	-0.91	0.00	0.03	-0.01	LC 1-5
				Min M _T	1.97	0.00	-1.00	-0.00	-0.00	0.01	LC 1-4
				Max M _y	-0.71	-0.00	-1.01	-0.00	0.20	0.00	LC 1-5
				Min M _y	2.94	-0.01	-0.90	0.00	-0.17	-0.00	LC 1-4
				Max M _z	1.85	0.00	-1.00	-0.00	0.00	0.01	LC 1-4
				Min M _z	0.38	-0.02	-0.91	0.00	0.02	-0.01	LC 1-5
				Max N	3.20	-0.01	-0.96	-0.00	-0.10	0.00	LC 1-4
				Min N	-0.96	-0.01	-0.95	0.00	0.13	-0.00	LC 1-5
				Max V _y	1.07	0.01	-0.99	-0.00	0.04	0.00	LC 1-5
				Min V _y	1.17	-0.02	-0.92	0.00	-0.01	-0.01	LC 1-4
				Max V _z	2.12	-0.02	-0.88	0.00	-0.13	-0.00	LC 1-4
				Min V _z	0.11	-0.00	-1.03	-0.00	0.16	0.00	LC 1-5
				Max M _T	0.26	-0.02	-0.91	0.00	0.03	-0.01	LC 1-5
				Min M _T	1.97	0.00	-1.00	-0.00	-0.00	0.01	LC 1-4
				Max M _y	-0.71	-0.00	-1.01	-0.00	0.20	0.00	LC 1-5
				Min M _y	2.94	-0.01	-0.90	0.00	-0.17	-0.00	LC 1-4
				Max M _z	1.85	0.00	-1.00	-0.00	0.00	0.01	LC 1-4
				Min M _z	0.38	-0.02	-0.91	0.00	0.02	-0.01	LC 1-5
				Max N	3.23	-0.01	-0.11	-0.00	-0.59	0.01	LC 1-4
				Min N	-0.93	-0.01	-0.10	0.00	-0.35	0.01	LC 1-5
				Max V _y	1.10	0.01	-0.14	-0.00	-0.49	-0.00	LC 1-5
				Min V _y	1.20	-0.02	-0.07	0.00	-0.45	0.02	LC 1-4
				Max V _z	2.15	-0.02	-0.04	0.00	-0.53	0.01	LC 1-4
				Min V _z	0.14	-0.00	-0.18	-0.00	-0.41	0.00	LC 1-5
				Max M _T	0.30	-0.02	-0.06	0.00	-0.39	0.01	LC 1-5
				Min M _T	2.00	0.00	-0.16	-0.00	-0.54	0.01	LC 1-4
				Max M _y	-0.76	-0.01	-0.10	0.00	-0.33	0.01	LC 1-5
				Min M _y	3.06	-0.00	-0.12	-0.00	-0.60	0.01	LC 1-4
				Max M _z	1.55	-0.02	-0.08	0.00	-0.48	0.02	LC 1-4
				Min M _z	0.75	0.00	-0.13	-0.00	-0.46	-0.00	LC 1-5
				Max N	3.23	-0.01	-0.11	-0.00	-0.59	0.01	LC 1-4
				Min N	-0.93	-0.01	-0.10	0.00	-0.35	0.01	LC 1-5
				Max V _y	1.10	0.01	-0.14	-0.00	-0.49	-0.00	LC 1-5
				Min V _y	1.20	-0.02	-0.07	0.00	-0.45	0.02	LC 1-4
				Max V _z	2.15	-0.02	-0.04	0.00	-0.53	0.01	LC 1-4
				Min V _z	0.14	-0.00	-0.18	-0.00	-0.41	0.00	LC 1-5
				Max M _T	0.30	-0.02	-0.06	0.00	-0.39	0.01	LC 1-5
				Min M _T	2.00	0.00	-0.16	-0.00	-0.54	0.01	LC 1-4
				Max M _y	-0.76	-0.01	-0.10	0.00	-0.33	0.01	LC 1-5
				Min M _y	3.06	-0.00	-0.12	-0.00	-0.60	0.01	LC 1-4
				Max M _z	1.55	-0.02	-0.08	0.00	-0.48	0.02	LC 1-4
				Min M _z	0.75	0.00	-0.13	-0.00	-0.46	-0.00	LC 1-5
133	RC1	85	0.000 Left	Max N	-7.01	0.02	-0.18	-0.00	0.18	0.01	CO 9
				Min N	-13.38	-0.09	-2.59	-0.01	1.73	-0.04	CO 6
				Max V _y	-7.01	0.02	-0.18	-0.00	0.18	0.01	CO 9
				Min V _y	-13.33	-0.09	-2.58	-0.01	1.72	-0.04	CO 8
				Max V _z	-7.02	0.02	-0.15	-0.00	0.16	0.01	CO 13
				Min V _z	-13.32	-0.09	-2.60	-0.01	1.74	-0.04	CO 4

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases			
					N	V _y	V _z	M _T	M _y	M _z				
133	RC1			0.000 Right	Max M _T	-7.01	0.02	-0.18	▷	-0.00	0.18	0.01	CO 9	
					Min M _T	-13.33	-0.09	-2.58	▷	-0.01	1.72	-0.04	CO 8	
					Max M _y	-13.32	-0.09	-2.60	▷	-0.01	1.74	-0.04	CO 4	
					Min M _y	-7.02	0.02	-0.15	-0.00	▷	0.16	0.01	CO 13	
					Max M _z	-7.07	0.02	-0.17	-0.00	▷	0.17	0.01	CO 11	
					Min M _z	-13.26	-0.09	-2.59	-0.01	▷	1.73	-0.04	CO 2	
					Max N	▷	-7.01	0.02	-0.18	-0.00	0.18	0.01	CO 9	
					Min N	▷	-13.38	-0.09	-2.59	-0.01	1.73	-0.04	CO 6	
					Max V _y	▷	-7.01	▷	0.02	-0.18	-0.00	0.18	0.01	CO 9
					Min V _y	▷	-13.33	▷	-0.09	-2.58	-0.01	1.72	-0.04	CO 8
					Max V _z	-7.02	0.02	▷	-0.15	-0.00	0.16	0.01	CO 13	
					Min V _z	-13.32	-0.09	▷	-2.60	-0.01	1.74	-0.04	CO 4	
					Max M _T	-7.01	0.02	-0.18	▷	-0.00	0.18	0.01	CO 9	
					Min M _T	-13.33	-0.09	-2.58	▷	-0.01	1.72	-0.04	CO 8	
					Max M _y	-13.32	-0.09	-2.60	-0.01	▷	1.74	-0.04	CO 4	
					Min M _y	-7.02	0.02	-0.15	-0.00	▷	0.16	0.01	CO 13	
					Max M _z	-7.07	0.02	-0.17	-0.00	▷	0.17	0.01	CO 11	
					Min M _z	-13.26	-0.09	-2.59	-0.01	▷	1.73	-0.04	CO 2	
					Max N	▷	-7.00	0.02	-0.16	-0.00	0.15	0.01	CO 9	
					Min N	▷	-13.37	-0.09	-2.43	-0.01	1.29	-0.03	CO 6	
					Max V _y	▷	-7.00	▷	0.02	-0.16	-0.00	0.15	0.01	CO 9
					Min V _y	▷	-13.32	▷	-0.09	-2.42	-0.01	1.28	-0.03	CO 8
					Max V _z	-7.01	0.02	▷	-0.14	-0.00	0.13	0.01	CO 13	
					Min V _z	-13.31	-0.09	▷	-2.44	-0.01	1.30	-0.03	CO 4	
				Max M _T	-7.00	0.02	-0.16	-0.00	0.15	0.01	CO 9			
				Min M _T	-13.32	-0.09	-2.42	▷	-0.01	1.28	-0.03	CO 8		
				Max M _y	-13.31	-0.09	-2.44	-0.01	▷	1.30	-0.03	CO 4		
				Min M _y	-7.01	0.02	-0.14	-0.00	▷	0.13	0.01	CO 13		
				Max M _z	-7.07	0.02	-0.15	-0.00	▷	0.14	0.01	CO 11		
				Min M _z	-13.26	-0.09	-2.43	-0.01	▷	1.29	-0.03	CO 2		
				Max N	▷	-7.00	0.02	-0.16	-0.00	0.15	0.01	CO 9		
				Min N	▷	-13.37	-0.09	-2.43	-0.01	1.29	-0.03	CO 6		
				Max V _y	▷	-7.00	▷	0.02	-0.16	-0.00	0.15	0.01	CO 9	
				Min V _y	▷	-13.32	▷	-0.09	-2.42	-0.01	1.28	-0.03	CO 8	
				Max V _z	-7.01	0.02	▷	-0.14	-0.00	0.13	0.01	CO 13		
				Min V _z	-13.31	-0.09	▷	-2.44	-0.01	1.30	-0.03	CO 4		
				Max M _T	-7.00	0.02	-0.16	-0.00	0.15	0.01	CO 9			
				Min M _T	-13.32	-0.09	-2.42	▷	-0.01	1.28	-0.03	CO 8		
				Max M _y	-13.31	-0.09	-2.44	-0.01	▷	1.30	-0.03	CO 4		
				Min M _y	-7.01	0.02	-0.14	-0.00	▷	0.13	0.01	CO 13		
				Max M _z	-7.07	0.02	-0.15	-0.00	▷	0.14	0.01	CO 11		
				Min M _z	-13.26	-0.09	-2.43	-0.01	▷	1.29	-0.03	CO 2		
				Max N	▷	-7.00	0.02	-0.16	-0.00	0.15	0.01	CO 9		
				Min N	▷	-13.37	-0.09	-2.43	-0.01	1.28	-0.03	CO 6		
				Max V _y	▷	-7.00	▷	0.02	-0.16	-0.00	0.15	0.01	CO 9	
				Min V _y	▷	-13.32	▷	-0.09	-2.41	-0.01	1.27	-0.03	CO 8	
				Max V _z	-7.01	0.02	▷	-0.14	-0.00	0.13	0.01	CO 13		
				Min V _z	-13.31	-0.09	▷	-2.44	-0.01	1.29	-0.03	CO 4		
				Max M _T	-7.00	0.02	-0.16	-0.00	0.15	0.01	CO 9			
				Min M _T	-13.32	-0.09	-2.41	▷	-0.01	1.27	-0.03	CO 8		
				Max M _y	-13.31	-0.09	-2.44	-0.01	▷	1.29	-0.03	CO 4		
				Min M _y	-7.01	0.02	-0.14	-0.00	▷	0.13	0.01	CO 13		
				Max M _z	-7.07	0.02	-0.15	-0.00	▷	0.14	0.01	CO 11		
				Min M _z	-13.26	-0.09	-2.43	-0.01	▷	1.28	-0.03	CO 2		
				Max N	▷	-7.00	0.02	-0.16	-0.00	0.15	0.01	CO 9		
				Min N	▷	-13.37	-0.09	-2.43	-0.01	1.28	-0.03	CO 6		
				Max V _y	▷	-7.00	▷	0.02	-0.16	-0.00	0.15	0.01	CO 9	
				Min V _y	▷	-13.32	▷	-0.09	-2.41	-0.01	1.27	-0.03	CO 8	
				Max V _z	-7.01	0.02	▷	-0.14	-0.00	0.13	0.01	CO 13		
				Min V _z	-13.31	-0.09	▷	-2.44	-0.01	1.29	-0.03	CO 4		
				Max M _T	-7.00	0.02	-0.16	-0.00	0.15	0.01	CO 9			
				Min M _T	-13.32	-0.09	-2.41	▷	-0.01	1.27	-0.03	CO 8		
				Max M _y	-13.31	-0.09	-2.44	-0.01	▷	1.29	-0.03	CO 4		
				Min M _y	-7.01	0.02	-0.14	-0.00	▷	0.13	0.01	CO 13		
				Max M _z	-7.07	0.02	-0.15	-0.00	▷	0.14	0.01	CO 11		
				Min M _z	-13.26	-0.09	-2.43	-0.01	▷	1.28	-0.03	CO 2		
				Max N	▷	-6.96	0.02	-0.05	-0.00	0.02	-0.02	CO 9		
				Min N	▷	-13.33	-0.08	-1.25	-0.01	-0.77	0.08	CO 6		
				Max V _y	▷	-6.96	▷	0.02	-0.05	-0.00	0.02	-0.02	CO 9	
				Min V _y	▷	-13.27	▷	-0.08	-1.24	-0.01	-0.76	0.08	CO 8	
				Max V _z	-6.97	0.02	▷	-0.03	-0.00	0.03	-0.02	CO 13		
				Min V _z	-13.27	-0.08	▷	-1.26	-0.01	-0.78	0.08	CO 4		
				Max M _T	-6.96	0.02	▷	-0.05	-0.00	0.02	-0.02	CO 9		
				Min M _T	-13.27	-0.08	▷	-1.24	-0.01	-0.76	0.08	CO 8		
				Max M _y	-6.97	0.02	▷	-0.03	-0.00	0.03	-0.02	CO 13		
				Min M _y	-13.27	-0.08	▷	-1.26	-0.01	-0.78	0.08	CO 4		
				Max M _z	-13.27	-0.08	▷	-1.24	-0.01	-0.76	0.08	CO 8		
				Min M _z	-6.96	0.02	▷	-0.05	-0.00	0.02	-0.02	CO 9		
				Max N	▷	-4.98	0.01	-0.10	-0.00	0.10	0.01	CO 23		
				Min N	▷	-9.69	-0.07	-1.89	-0.01	1.25	-0.03	CO 20		
	RC2	85	0.000 Left											

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
133	RC2				Max V _y	-4.98	0.01	-0.10	-0.00	0.10	0.01	CO 23	
					Min V _y	-9.64	-0.07	-1.88	-0.01	1.24	-0.03	CO 22	
					Max V _z	-4.98	0.01	-0.08	-0.00	0.09	0.01	CO 27	
					Min V _z	-9.64	-0.07	-1.89	-0.01	1.26	-0.03	CO 18	
					Max M _T	-4.98	0.01	-0.10	-0.00	0.10	0.01	CO 23	
					Min M _T	-9.64	-0.07	-1.88	-0.01	1.24	-0.03	CO 22	
					Max M _y	-9.64	-0.07	-1.89	-0.01	1.26	-0.03	CO 18	
					Min M _y	-4.98	0.01	-0.08	-0.00	0.09	0.01	CO 27	
					Max M _z	-5.02	0.01	-0.09	-0.00	0.09	0.01	CO 25	
					Min M _z	-9.60	-0.07	-1.88	-0.01	1.25	-0.03	CO 16	
			0.000 Right		Max N	-4.98	0.01	-0.10	-0.00	0.10	0.01	CO 23	
					Min N	-9.69	-0.07	-1.89	-0.01	1.25	-0.03	CO 20	
					Max V _y	-4.98	0.01	-0.10	-0.00	0.10	0.01	CO 23	
					Min V _y	-9.64	-0.07	-1.88	-0.01	1.24	-0.03	CO 22	
					Max V _z	-4.98	0.01	-0.08	-0.00	0.09	0.01	CO 27	
					Min V _z	-9.64	-0.07	-1.89	-0.01	1.26	-0.03	CO 18	
					Max M _T	-4.98	0.01	-0.10	-0.00	0.10	0.01	CO 23	
					Min M _T	-9.64	-0.07	-1.88	-0.01	1.24	-0.03	CO 22	
					Max M _y	-9.64	-0.07	-1.89	-0.01	1.26	-0.03	CO 18	
					Min M _y	-4.98	0.01	-0.08	-0.00	0.09	0.01	CO 27	
					Max M _z	-5.02	0.01	-0.09	-0.00	0.09	0.01	CO 25	
					Min M _z	-9.60	-0.07	-1.88	-0.01	1.25	-0.03	CO 16	
			0.174 Left		Max N	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min N	-9.68	-0.07	-1.77	-0.01	0.93	-0.02	CO 20	
					Max V _y	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min V _y	-9.64	-0.07	-1.76	-0.01	0.92	-0.02	CO 22	
					Max V _z	-4.98	0.01	-0.07	-0.00	0.07	0.01	CO 27	
					Min V _z	-9.63	-0.07	-1.77	-0.01	0.93	-0.02	CO 18	
					Max M _T	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min M _T	-9.64	-0.07	-1.76	-0.01	0.92	-0.02	CO 22	
					Max M _y	-9.63	-0.07	-1.77	-0.01	0.93	-0.02	CO 18	
					Min M _y	-4.98	0.01	-0.07	-0.00	0.07	0.01	CO 27	
					Max M _z	-5.02	0.01	-0.08	-0.00	0.08	0.01	CO 25	
					Min M _z	-9.59	-0.07	-1.76	-0.01	0.93	-0.02	CO 16	
			0.174 Right		Max N	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min N	-9.68	-0.07	-1.77	-0.01	0.93	-0.02	CO 20	
					Max V _y	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min V _y	-9.64	-0.07	-1.76	-0.01	0.92	-0.02	CO 22	
					Max V _z	-4.98	0.01	-0.07	-0.00	0.07	0.01	CO 27	
					Min V _z	-9.63	-0.07	-1.77	-0.01	0.93	-0.02	CO 18	
					Max M _T	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min M _T	-9.64	-0.07	-1.76	-0.01	0.92	-0.02	CO 22	
					Max M _y	-9.63	-0.07	-1.77	-0.01	0.93	-0.02	CO 18	
					Min M _y	-4.98	0.01	-0.07	-0.00	0.07	0.01	CO 27	
					Max M _z	-5.02	0.01	-0.08	-0.00	0.08	0.01	CO 25	
					Min M _z	-9.59	-0.07	-1.76	-0.01	0.93	-0.02	CO 16	
			0.177 Left		Max N	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min N	-9.68	-0.07	-1.76	-0.01	0.92	-0.02	CO 20	
					Max V _y	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min V _y	-9.64	-0.07	-1.75	-0.01	0.92	-0.02	CO 22	
					Max V _z	-4.98	0.01	-0.06	-0.00	0.07	0.01	CO 27	
					Min V _z	-9.63	-0.07	-1.77	-0.01	0.93	-0.02	CO 18	
					Max M _T	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min M _T	-9.64	-0.07	-1.75	-0.01	0.92	-0.02	CO 22	
					Max M _y	-9.63	-0.07	-1.77	-0.01	0.93	-0.02	CO 18	
					Min M _y	-4.98	0.01	-0.06	-0.00	0.07	0.01	CO 27	
					Max M _z	-5.02	0.01	-0.08	-0.00	0.08	0.01	CO 25	
					Min M _z	-9.59	-0.07	-1.76	-0.01	0.92	-0.02	CO 16	
			0.177 Right		Max N	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min N	-9.68	-0.07	-1.76	-0.01	0.92	-0.02	CO 20	
					Max V _y	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min V _y	-9.64	-0.07	-1.75	-0.01	0.92	-0.02	CO 22	
					Max V _z	-4.98	0.01	-0.06	-0.00	0.07	0.01	CO 27	
					Min V _z	-9.63	-0.07	-1.77	-0.01	0.93	-0.02	CO 18	
					Max M _T	-4.97	0.01	-0.08	-0.00	0.09	0.01	CO 23	
					Min M _T	-9.64	-0.07	-1.75	-0.01	0.92	-0.02	CO 22	
					Max M _y	-9.63	-0.07	-1.77	-0.01	0.93	-0.02	CO 18	
					Min M _y	-4.98	0.01	-0.06	-0.00	0.07	0.01	CO 27	
					Max M _z	-5.02	0.01	-0.08	-0.00	0.08	0.01	CO 25	
					Min M _z	-9.59	-0.07	-1.76	-0.01	0.92	-0.02	CO 16	
			1.407 Left		Max N	-4.94	0.01	-0.00	-0.00	0.03	-0.01	CO 23	
					Min N	-9.65	-0.06	-0.89	-0.01	-0.55	0.06	CO 20	
					Max V _y	-4.94	0.01	-0.00	-0.00	0.03	-0.01	CO 23	
					Min V _y	-9.61	-0.07	-0.88	-0.01	-0.54	0.06	CO 22	
					Max V _z	-4.94	0.01	0.02	-0.00	0.04	-0.01	CO 27	
					Min V _z	-9.60	-0.06	-0.90	-0.01	-0.55	0.06	CO 18	
					Max M _T	-4.94	0.01	-0.00	-0.00	0.03	-0.01	CO 23	
					Min M _T	-9.61	-0.07	-0.88	-0.01	-0.54	0.06	CO 22	
					Max M _y	-4.94	0.01	0.02	-0.00	0.04	-0.01	CO 27	
					Min M _y	-9.60	-0.06	-0.90	-0.01	-0.55	0.06	CO 18	
					Max M _z	-9.61	-0.07	-0.88	-0.01	-0.54	0.06	CO 22	
					Min M _z	-4.94	0.01	-0.00	-0.00	0.03	-0.01	CO 23	
		89	1.407 Right		Max N	-4.94	0.01	-0.00	-0.00	0.03	-0.01	CO 23	
					Min N	-9.65	-0.06	-0.89	-0.01	-0.55	0.06	CO 20	
					Max V _y	-4.94	0.01	-0.00	-0.00	0.03	-0.01	CO 23	
					Min V _y	-9.61	-0.07	-0.88	-0.01	-0.54	0.06	CO 22	
					Max V _z	-4.94	0.01	0.02	-0.00	0.04	-0.01	CO 27	
					Min V _z	-9.60	-0.06	-0.90	-0.01	-0.55	0.06	CO 18	
					Max M _T	-4.94	0.01	-0.00	-0.00	0.03	-0.01	CO 23	
					Min M _T	-9.61	-0.07	-0.88	-0.01	-0.54	0.06	CO 22	
					Max M _y	-4.94	0.01	0.02	-0.00	0.04	-0.01	CO 27	
					Min M _y	-9.60	-0.06	-0.90	-0.01	-0.55	0.06	CO 18	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
133	RC2	85	0.000 Left	Max M _z	-9.61	-0.07	-0.88	-0.01	-0.54	0.06	CO 22
				Min M _z	-4.94	0.01	-0.00	-0.00	0.03	-0.01	CO 23
				Max N	-6.78	-0.10	-1.66	-0.02	1.10	-0.04	LC 1-4
				Min N	-10.91	-0.06	-1.18	-0.01	0.63	-0.02	LC 1-5
				Max V _y	-9.00	0.21	-1.30	-0.02	0.81	0.06	LC 1-5
				Min V _y	-8.68	-0.38	-1.55	-0.00	0.92	-0.12	LC 1-4
				Max V _z	-9.44	-0.05	-0.86	-0.02	0.66	-0.01	LC 1-5
				Min V _z	-8.25	-0.12	-1.98	-0.00	1.07	-0.05	LC 1-4
				Max M _T	-9.26	-0.32	-1.63	0.00	0.87	-0.11	LC 1-4
				Min M _T	-8.42	0.16	-1.21	-0.03	0.86	0.04	LC 1-5
				Max M _y	-6.97	-0.14	-1.79	-0.01	1.13	-0.06	LC 1-4
				Min M _y	-10.71	-0.02	-1.06	-0.01	0.59	-0.01	LC 1-5
				Max M _z	-9.12	0.21	-1.19	-0.02	0.77	0.06	LC 1-5
				Min M _z	-8.56	-0.37	-1.65	-0.00	0.95	-0.12	LC 1-4
				Max N	-6.78	-0.10	-1.66	-0.02	1.10	-0.04	LC 1-4
				Min N	-10.91	-0.06	-1.18	-0.01	0.63	-0.02	LC 1-5
				Max V _y	-9.00	0.21	-1.30	-0.02	0.81	0.06	LC 1-5
				Min V _y	-8.68	-0.38	-1.55	-0.00	0.92	-0.12	LC 1-4
				Max V _z	-9.44	-0.05	-0.86	-0.02	0.66	-0.01	LC 1-5
				Min V _z	-8.25	-0.12	-1.98	-0.00	1.07	-0.05	LC 1-4
				Max M _T	-9.26	-0.32	-1.63	0.00	0.87	-0.11	LC 1-4
				Min M _T	-8.42	0.16	-1.21	-0.03	0.86	0.04	LC 1-5
				Max M _y	-6.97	-0.14	-1.79	-0.01	1.13	-0.06	LC 1-4
				Min M _y	-10.71	-0.02	-1.06	-0.01	0.59	-0.01	LC 1-5
				Max M _z	-9.12	0.21	-1.19	-0.02	0.77	0.06	LC 1-5
				Min M _z	-8.56	-0.37	-1.65	-0.00	0.95	-0.12	LC 1-4
			0.174 Left	Max N	-6.77	-0.10	-1.54	-0.02	0.81	-0.03	LC 1-4
				Min N	-10.90	-0.06	-1.06	-0.01	0.43	-0.01	LC 1-5
				Max V _y	-9.00	0.21	-1.17	-0.02	0.59	0.02	LC 1-5
				Min V _y	-8.68	-0.38	-1.42	-0.00	0.66	-0.06	LC 1-4
				Max V _z	-9.43	-0.05	-0.74	-0.02	0.52	-0.01	LC 1-5
				Min V _z	-8.24	-0.12	-1.86	-0.00	0.73	-0.03	LC 1-4
				Max M _T	-9.26	-0.32	-1.51	0.00	0.59	-0.05	LC 1-4
				Min M _T	-8.41	0.16	-1.08	-0.03	0.65	0.01	LC 1-5
				Max M _y	-6.95	-0.12	-1.60	-0.01	0.84	-0.03	LC 1-4
				Min M _y	-10.73	-0.05	-1.00	-0.01	0.41	-0.01	LC 1-5
			0.174 Right	Max M _z	-9.25	0.20	-1.02	-0.02	0.56	0.02	LC 1-5
				Min M _z	-8.43	-0.37	-1.57	-0.00	0.68	-0.06	LC 1-4
				Max N	-6.77	-0.10	-1.54	-0.02	0.81	-0.03	LC 1-4
				Min N	-10.90	-0.06	-1.06	-0.01	0.43	-0.01	LC 1-5
				Max V _y	-9.00	0.21	-1.17	-0.02	0.59	0.02	LC 1-5
				Min V _y	-8.68	-0.38	-1.42	-0.00	0.66	-0.06	LC 1-4
				Max V _z	-9.43	-0.05	-0.74	-0.02	0.52	-0.01	LC 1-5
				Min V _z	-8.24	-0.12	-1.86	-0.00	0.73	-0.03	LC 1-4
				Max M _T	-9.26	-0.32	-1.51	0.00	0.59	-0.05	LC 1-4
				Min M _T	-8.41	0.16	-1.08	-0.03	0.65	0.01	LC 1-5
			0.177 Left	Max M _y	-6.95	-0.12	-1.59	-0.01	0.83	-0.03	LC 1-4
				Min M _y	-10.73	-0.05	-1.00	-0.01	0.41	-0.01	LC 1-5
				Max M _z	-9.25	0.20	-1.02	-0.02	0.56	0.02	LC 1-5
				Min M _z	-8.43	-0.37	-1.57	-0.00	0.68	-0.06	LC 1-4
				Max N	-6.77	-0.10	-1.53	-0.02	0.81	-0.03	LC 1-4
				Min N	-10.90	-0.06	-1.06	-0.01	0.43	-0.01	LC 1-5
				Max V _y	-9.00	0.21	-1.17	-0.02	0.59	0.02	LC 1-5
				Min V _y	-8.68	-0.38	-1.42	-0.00	0.65	-0.06	LC 1-4
				Max V _z	-9.43	-0.05	-0.74	-0.02	0.51	-0.01	LC 1-5
				Min V _z	-8.24	-0.12	-1.85	-0.00	0.73	-0.03	LC 1-4
			0.177 Right	Max M _T	-9.26	-0.32	-1.85	-0.00	0.73	-0.03	LC 1-4
				Min M _T	-8.41	0.16	-1.51	0.00	0.59	-0.05	LC 1-4
				Max M _y	-6.95	-0.12	-1.08	-0.03	0.65	0.01	LC 1-5
				Min M _y	-10.73	-0.05	-1.59	-0.01	0.83	-0.03	LC 1-4
				Max M _z	-9.25	0.20	-1.02	-0.02	0.56	0.02	LC 1-5
				Min M _z	-8.43	-0.37	-1.57	-0.00	0.68	-0.06	LC 1-4
				Max N	-6.74	-0.10	-0.66	-0.02	-0.37	0.10	LC 1-4
				Min N	-10.87	-0.06	-0.18	-0.01	-0.16	0.07	LC 1-5
				Max V _y	-8.96	0.21	-0.29	-0.02	-0.14	-0.24	LC 1-5
				Min V _y	-8.65	-0.38	-0.54	-0.00	-0.39	0.41	LC 1-4
			1.407 Left	Max V _z	-9.40	-0.05	0.14	-0.02	0.32	0.05	LC 1-5
				Min V _z	-8.21	-0.12	-0.98	-0.00	-0.85	0.11	LC 1-4
				Max M _T	-9.23	-0.32	-0.63	0.00	-0.56	0.34	LC 1-4
				Min M _T	-8.38	0.16	-0.20	-0.03	0.03	-0.18	LC 1-5
				Max M _y	-9.16	-0.05	0.13	-0.02	0.33	0.05	LC 1-5
				Min M _y	-8.45	-0.12	-0.96	-0.00	-0.86	0.11	LC 1-4
				Max M _z	-8.68	-0.38	-0.48	-0.00	-0.32	0.41	LC 1-4
				Min M _z	-8.93	0.21	-0.36	-0.02	-0.21	-0.24	LC 1-5
				Max N	-6.74	-0.10	-0.66	-0.02	-0.37	0.10	LC 1-4
				Min N	-10.87	-0.06	-0.18	-0.01	-0.16	0.07	LC 1-5
			1.407 Right	Max V _y	-8.96	0.21	-0.29	-0.02	-0.14	-0.24	LC 1-5
				Min V _y	-8.65	-0.38	-0.54	-0.00	-0.39	0.41	LC 1-4
				Max V _z	-9.40	-0.05	0.14	-0.02	0.32	0.05	LC 1-5
				Min V _z	-8.21	-0.12	-0.98	-0.00	-0.85	0.11	LC 1-4

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases		
				N	V _y	V _z	M _T	M _y	M _z			
133	RC6			Max M _T	-9.23	-0.32	-0.63	▷ 0.00	-0.56	0.34	LC 1-4	
				Min M _T	-8.38	0.16	-0.20	▷ -0.03	0.03	-0.18	LC 1-5	
				Max M _y	-9.16	-0.05	0.13	▷ -0.02	0.33	0.05	LC 1-5	
				Min M _y	-8.45	-0.12	-0.96	▷ -0.00	-0.86	0.11	LC 1-4	
148	RC1	101	0.000 Left	Max M _z	-8.68	-0.38	-0.48	▷ -0.00	-0.32	0.41	LC 1-4	
				Min M _z	-8.93	0.21	-0.36	▷ -0.02	-0.21	-0.24	LC 1-5	
				Max N	-8.06	-0.00	0.00	0.00	-0.05	-0.00	CO 9	
				Min N	-14.65	0.57	-0.77	▷ 0.05	-0.34	0.27	CO 8	
				Max V _y	-14.65	▷ 0.57	-0.77	▷ 0.05	-0.34	0.27	CO 7	
				Min V _y	-8.07	▷ -0.00	0.00	▷ 0.00	-0.05	-0.00	CO 10	
				Max V _z	-8.06	-0.00	▷ 0.00	▷ 0.00	-0.05	-0.00	CO 9	
				Min V _z	-14.65	0.57	▷ -0.77	▷ 0.05	-0.34	0.27	CO 7	
				Max M _T	-14.57	0.57	-0.77	▷ 0.05	-0.34	0.27	CO 3	
				Min M _T	-8.14	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 14	
				Max M _y	-8.14	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 14	
				Min M _y	-14.57	0.57	-0.77	▷ 0.05	-0.34	0.27	CO 3	
				Max M _z	-14.65	0.57	-0.77	▷ 0.05	-0.34	▷ 0.27	CO 7	
				Min M _z	-8.07	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 10	
				Max N	-8.06	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 9	
				Min N	-14.65	0.57	-0.77	▷ 0.05	-0.34	0.27	CO 8	
				Max V _y	-14.65	▷ 0.57	-0.77	▷ 0.05	-0.34	0.27	CO 7	
				Min V _y	-8.07	▷ -0.00	0.00	▷ 0.00	-0.05	-0.00	CO 10	
				Max V _z	-8.06	-0.00	▷ 0.00	▷ 0.00	-0.05	-0.00	CO 9	
				Min V _z	-14.65	0.57	▷ -0.77	▷ 0.05	-0.34	0.27	CO 7	
				Max M _T	-14.57	0.57	-0.77	▷ 0.05	-0.34	0.27	CO 3	
				Min M _T	-8.14	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 14	
				Max M _y	-8.14	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 14	
				Min M _y	-14.57	0.57	-0.77	▷ 0.05	-0.34	0.27	CO 3	
			Max M _z	-14.65	0.57	-0.77	▷ 0.05	-0.34	▷ 0.27	CO 7		
			Min M _z	-8.07	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 10		
			1.832 Left	Max N	-8.06	-0.00	0.18	0.00	0.12	0.00	CO 9	
				Min N	-14.65	-0.29	1.09	0.05	-0.55	-0.27	CO 8	
				Max V _y	-8.14	-0.00	0.18	0.00	0.11	0.00	CO 13	
				Min V _y	-14.65	-0.29	1.09	0.05	-0.55	-0.27	CO 6	
				Max V _z	-14.57	-0.29	▷ 1.09	0.05	-0.55	-0.27	CO 3	
				Min V _z	-8.14	-0.00	▷ 0.18	0.00	0.12	0.00	CO 14	
				Max M _T	-14.57	-0.29	▷ 1.09	▷ 0.05	-0.55	-0.27	CO 3	
				Min M _T	-8.14	-0.00	0.18	▷ 0.00	0.12	0.00	CO 14	
				Max M _y	-8.07	-0.00	0.18	▷ 0.00	0.12	0.00	CO 10	
				Min M _y	-14.65	-0.29	1.09	▷ 0.05	-0.55	-0.27	CO 7	
				Max M _z	-8.14	-0.00	0.18	▷ 0.00	0.12	▷ 0.00	CO 14	
				Min M _z	-14.64	-0.29	1.09	▷ 0.05	-0.55	-0.27	CO 5	
				1.832 Right	Max N	-8.06	-0.00	0.18	0.00	0.12	0.00	CO 9
					Min N	-14.65	-0.29	1.09	0.05	-0.55	-0.27	CO 8
					Max V _y	-8.14	-0.00	0.18	0.00	0.11	0.00	CO 13
					Min V _y	-14.65	-0.29	1.09	0.05	-0.55	-0.27	CO 6
					Max V _z	-14.57	-0.29	▷ 1.09	0.05	-0.55	-0.27	CO 3
					Min V _z	-8.14	-0.00	▷ 0.18	0.00	0.12	0.00	CO 14
					Max M _T	-14.57	-0.29	▷ 1.09	▷ 0.05	-0.55	-0.27	CO 3
					Min M _T	-8.14	-0.00	0.18	▷ 0.00	0.12	0.00	CO 14
					Max M _y	-8.07	-0.00	0.18	▷ 0.00	0.12	0.00	CO 10
					Min M _y	-14.65	-0.29	1.09	▷ 0.05	-0.55	-0.27	CO 7
Max M _z	-8.14	-0.00			0.18	▷ 0.00	0.12	▷ 0.00	CO 14			
Min M _z	-14.64	-0.29			1.09	▷ 0.05	-0.55	-0.27	CO 5			
2.820 Left	Max N	-8.06	-0.00	0.27	0.00	0.34	0.00	CO 9				
	Min N	-14.65	-0.74	2.06	0.05	1.15	0.34	CO 8				
	Max V _y	-8.14	-0.00	0.27	0.00	0.34	0.00	CO 13				
	Min V _y	-14.64	▷ -0.74	2.06	0.05	1.15	0.34	CO 6				
	Max V _z	-14.57	-0.74	▷ 2.06	0.05	1.15	0.34	CO 3				
	Min V _z	-8.14	-0.00	▷ 0.27	0.00	0.34	0.00	CO 14				
	Max M _T	-14.64	-0.74	▷ 2.06	▷ 0.05	1.15	0.34	CO 5				
	Min M _T	-8.14	-0.00	0.27	▷ 0.00	0.34	0.00	CO 14				
	Max M _y	-14.57	-0.74	2.06	▷ 0.05	1.15	0.34	CO 4				
	Min M _y	-8.14	-0.00	0.27	▷ 0.00	0.34	0.00	CO 13				
	Max M _z	-14.57	-0.74	2.06	▷ 0.05	1.15	▷ 0.34	CO 4				
	Min M _z	-8.14	-0.00	0.27	▷ 0.00	0.34	▷ 0.00	CO 13				
	2.820 Right	Max N	-8.06	-0.00	0.27	0.00	0.34	0.00	CO 9			
		Min N	-14.65	-0.74	2.06	0.05	1.15	0.34	CO 8			
		Max V _y	-8.14	-0.00	0.27	0.00	0.34	0.00	CO 13			
		Min V _y	-14.64	▷ -0.74	2.06	0.05	1.15	0.34	CO 6			
		Max V _z	-14.57	-0.74	▷ 2.06	0.05	1.15	0.34	CO 3			
		Min V _z	-8.14	-0.00	▷ 0.27	0.00	0.34	0.00	CO 14			
		Max M _T	-14.64	-0.74	▷ 2.06	▷ 0.05	1.15	0.34	CO 5			
		Min M _T	-8.14	-0.00	0.27	▷ 0.00	0.34	0.00	CO 14			
		Max M _y	-14.57	-0.74	2.06	▷ 0.05	1.15	0.34	CO 4			
		Min M _y	-8.14	-0.00	0.27	▷ 0.00	0.34	0.00	CO 13			
		Max M _z	-14.57	-0.74	2.06	▷ 0.05	1.15	▷ 0.34	CO 4			
		Min M _z	-8.14	-0.00	0.27	▷ 0.00	0.34	▷ 0.00	CO 13			
0.000 Left	Max N	-5.74	-0.00	0.00	0.00	-0.05	-0.00	CO 23				
	Min N	-10.62	0.42	-0.56	▷ 0.04	-0.27	0.20	CO 22				
	Max V _y	-10.61	▷ 0.42	-0.56	▷ 0.04	-0.27	0.20	CO 21				
	Min V _y	-5.75	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 24				
	Max V _z	-5.74	-0.00	▷ 0.00	▷ 0.00	-0.05	-0.00	CO 23				
	Min V _z	-10.62	0.42	▷ -0.56	▷ 0.04	-0.27	0.20	CO 22				
	Max M _T	-10.56	0.42	-0.56	▷ 0.04	-0.27	0.20	CO 17				
	Min M _T	-5.80	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 28				
	Max M _y	-5.80	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 28				
	Min M _y	-10.56	0.42	-0.56	▷ 0.04	-0.27	0.20	CO 17				
	Max M _z	-10.61	0.42	-0.56	▷ 0.04	-0.27	0.20	CO 21				
	Min M _z	-5.75	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 24				
	0.000 Right	Max N	-5.74	-0.00	0.00	▷ 0.00	-0.05	-0.00	CO 23			
		Min N	-10.62	0.42	-0.56	▷ 0.04	-0.27	0.20	CO 22			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
148	RC2			Max V _y	-10.61	0.42	-0.56	0.04	-0.27	0.20	CO 21	
				Min V _y	-5.75	-0.00	0.00	0.00	-0.05	-0.00	CO 24	
				Max V _z	-5.74	-0.00	0.00	0.00	-0.05	-0.00	CO 23	
				Min V _z	-10.62	0.42	-0.56	0.04	-0.27	0.20	CO 22	
				Max M _T	-10.56	0.42	-0.56	0.04	-0.27	0.20	CO 17	
				Min M _T	-5.80	-0.00	0.00	0.00	-0.05	-0.00	CO 28	
				Max M _y	-5.80	-0.00	0.00	0.00	-0.05	-0.00	CO 28	
				Min M _y	-10.56	0.42	-0.56	0.04	-0.27	0.20	CO 17	
				Max M _z	-10.61	0.42	-0.56	0.04	-0.27	0.20	CO 21	
				Min M _z	-5.75	-0.00	0.00	0.00	-0.05	-0.00	CO 24	
			1.832 Left	Max N	-5.74	-0.00	0.14	0.00	0.08	0.00	CO 23	
				Min N	-10.62	-0.22	0.80	0.04	-0.41	-0.20	CO 22	
				Max V _y	-5.80	-0.00	0.14	0.00	0.08	0.00	CO 27	
				Min V _y	-10.56	-0.22	0.80	0.04	-0.41	-0.20	CO 18	
				Max V _z	-10.56	-0.22	0.80	0.04	-0.41	-0.20	CO 17	
				Min V _z	-5.80	-0.00	0.14	0.00	0.08	0.00	CO 28	
				Max M _T	-10.56	-0.22	0.80	0.04	-0.41	-0.20	CO 17	
				Min M _T	-5.80	-0.00	0.14	0.00	0.08	0.00	CO 28	
				Max M _y	-5.75	-0.00	0.14	0.00	0.08	0.00	CO 24	
				Min M _y	-10.61	-0.22	0.80	0.04	-0.41	-0.20	CO 21	
				Max M _z	-5.80	-0.00	0.14	0.00	0.08	0.00	CO 28	
				Min M _z	-10.61	-0.22	0.80	0.04	-0.41	-0.20	CO 19	
			1.832 Right	Max N	-5.74	-0.00	0.14	0.00	0.08	0.00	CO 23	
				Min N	-10.62	-0.22	0.80	0.04	-0.41	-0.20	CO 22	
				Max V _y	-5.80	-0.00	0.14	0.00	0.08	0.00	CO 27	
				Min V _y	-10.56	-0.22	0.80	0.04	-0.41	-0.20	CO 18	
				Max V _z	-10.56	-0.22	0.80	0.04	-0.41	-0.20	CO 17	
				Min V _z	-5.80	-0.00	0.14	0.00	0.08	0.00	CO 28	
				Max M _T	-10.56	-0.22	0.80	0.04	-0.41	-0.20	CO 17	
				Min M _T	-5.80	-0.00	0.14	0.00	0.08	0.00	CO 28	
				Max M _y	-5.75	-0.00	0.14	0.00	0.08	0.00	CO 24	
				Min M _y	-10.61	-0.22	0.80	0.04	-0.41	-0.20	CO 21	
				Max M _z	-5.80	-0.00	0.14	0.00	0.08	0.00	CO 28	
				Min M _z	-10.61	-0.22	0.80	0.04	-0.41	-0.20	CO 19	
			2.820 Left	Max N	-5.74	-0.00	0.21	0.00	0.25	0.00	CO 23	
				Min N	-10.62	-0.55	1.52	0.04	0.84	0.25	CO 22	
				Max V _y	-5.80	-0.00	0.21	0.00	0.25	0.00	CO 27	
				Min V _y	-10.56	-0.55	1.52	0.04	0.84	0.25	CO 18	
				Max V _z	-10.56	-0.55	1.52	0.04	0.84	0.25	CO 17	
				Min V _z	-5.80	-0.00	0.21	0.00	0.25	0.00	CO 28	
				Max M _T	-10.56	-0.55	1.52	0.04	0.84	0.25	CO 17	
				Min M _T	-5.80	-0.00	0.21	0.00	0.25	0.00	CO 28	
				Max M _y	-10.56	-0.55	1.52	0.04	0.84	0.25	CO 18	
				Min M _y	-5.80	-0.00	0.21	0.00	0.25	0.00	CO 27	
				Max M _z	-10.56	-0.55	1.52	0.04	0.84	0.25	CO 18	
				Min M _z	-5.80	-0.00	0.21	0.00	0.25	0.00	CO 27	
		2.820 Right	Max N	-5.74	-0.00	0.21	0.00	0.25	0.00	CO 23		
			Min N	-10.62	-0.55	1.52	0.04	0.84	0.25	CO 22		
			Max V _y	-5.80	-0.00	0.21	0.00	0.25	0.00	CO 27		
			Min V _y	-10.56	-0.55	1.52	0.04	0.84	0.25	CO 18		
			Max V _z	-10.56	-0.55	1.52	0.04	0.84	0.25	CO 17		
			Min V _z	-5.80	-0.00	0.21	0.00	0.25	0.00	CO 28		
			Max M _T	-10.56	-0.55	1.52	0.04	0.84	0.25	CO 17		
			Min M _T	-5.80	-0.00	0.21	0.00	0.25	0.00	CO 28		
			Max M _y	-10.56	-0.55	1.52	0.04	0.84	0.25	CO 18		
			Min M _y	-5.80	-0.00	0.21	0.00	0.25	0.00	CO 27		
			Max M _z	-10.56	-0.55	1.52	0.04	0.84	0.25	CO 18		
			Min M _z	-5.80	-0.00	0.21	0.00	0.25	0.00	CO 27		
	RC6	101	0.000 Left	Max N	-4.00	0.43	-0.56	0.03	-0.24	0.21	LC 1-4	
				Min N	-15.76	0.40	-0.41	0.03	-0.62	0.16	LC 1-5	
				Max V _y	-9.50	0.56	-0.51	0.02	-0.36	0.48	LC 1-5	
				Min V _y	-10.27	0.27	-0.46	0.04	-0.49	-0.10	LC 1-4	
				Max V _z	-11.25	0.40	-0.28	0.03	-0.87	0.16	LC 1-5	
				Min V _z	-8.52	0.43	-0.69	0.04	0.02	0.22	LC 1-4	
				Max M _T	-10.94	0.32	-0.59	0.04	-0.22	-0.00	LC 1-5	
				Min M _T	-8.83	0.51	-0.38	0.02	-0.64	0.38	LC 1-4	
				Max M _y	-8.39	0.44	-0.69	0.03	0.02	0.24	LC 1-4	
				Min M _y	-11.38	0.39	-0.28	0.03	-0.87	0.14	LC 1-5	
				Max M _z	-9.52	0.56	-0.51	0.02	-0.36	0.48	LC 1-5	
				Min M _z	-10.25	0.27	-0.46	0.04	-0.50	-0.10	LC 1-4	
			0.000 Right	Max N	-4.00	0.43	-0.56	0.03	-0.24	0.21	LC 1-4	
				Min N	-15.76	0.40	-0.41	0.03	-0.62	0.16	LC 1-5	
				Max V _y	-9.50	0.56	-0.51	0.02	-0.36	0.48	LC 1-5	
				Min V _y	-10.27	0.27	-0.46	0.04	-0.49	-0.10	LC 1-4	
				Max V _z	-11.25	0.40	-0.28	0.03	-0.87	0.16	LC 1-5	
				Min V _z	-8.52	0.43	-0.69	0.04	0.02	0.22	LC 1-4	
				Max M _T	-10.94	0.32	-0.59	0.04	-0.22	-0.00	LC 1-5	
				Min M _T	-8.83	0.51	-0.38	0.02	-0.64	0.38	LC 1-4	
				Max M _y	-8.39	0.44	-0.69	0.03	0.02	0.24	LC 1-4	
				Min M _y	-11.38	0.39	-0.28	0.03	-0.87	0.14	LC 1-5	
				Max M _z	-9.52	0.56	-0.51	0.02	-0.36	0.48	LC 1-5	
				Min M _z	-10.25	0.27	-0.46	0.04	-0.50	-0.10	LC 1-4	
			1.832 Left	Max N	-4.00	-0.20	0.78	0.03	-0.41	-0.18	LC 1-4	
				Min N	-15.76	-0.23	0.92	0.03	-0.52	-0.19	LC 1-5	
				Max V _y	-9.50	-0.07	0.83	0.02	-0.43	-0.16	LC 1-5	
				Min V _y	-10.27	-0.36	0.87	0.04	-0.49	-0.21	LC 1-4	
				Max V _z	-11.25	-0.23	1.05	0.03	-0.53	-0.19	LC 1-5	
				Min V _z	-8.52	-0.20	0.64	0.04	-0.39	-0.18	LC 1-4	
				Max M _T	-10.94	-0.31	0.74	0.04	-0.45	-0.21	LC 1-5	
				Min M _T	-8.83	-0.12	0.96	0.02	-0.48	-0.17	LC 1-4	
				Max M _y	-8.14	-0.16	0.67	0.03	-0.38	-0.17	LC 1-5	
				Min M _y	-11.63	-0.27	1.03	0.03	-0.54	-0.20	LC 1-4	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
148	RC6		1.832 Right	Max M _z	-9.75	-0.20	0.83	0.03	-0.45	-0.15	LC 1-4
				Min M _z	-10.01	-0.24	0.86	0.03	-0.47	-0.23	LC 1-5
				Max N	-4.00	-0.20	0.78	0.03	-0.41	-0.18	LC 1-4
				Min N	-15.76	-0.23	0.92	0.03	-0.52	-0.19	LC 1-5
				Max V _y	-9.50	-0.07	0.83	0.02	-0.43	-0.16	LC 1-5
				Min V _y	-10.27	-0.36	0.87	0.04	-0.49	-0.21	LC 1-4
				Max V _z	-11.25	-0.23	1.05	0.03	-0.53	-0.19	LC 1-5
				Min V _z	-8.52	-0.20	0.64	0.04	-0.39	-0.18	LC 1-4
				Max M _T	-10.94	-0.31	0.74	0.04	-0.45	-0.21	LC 1-5
				Min M _T	-8.83	-0.12	0.96	0.02	-0.48	-0.17	LC 1-4
				Max M _y	-8.14	-0.16	0.67	0.03	-0.38	-0.17	LC 1-5
				Min M _y	-11.63	-0.27	1.03	0.03	-0.54	-0.20	LC 1-4
				Max M _z	-9.75	-0.20	0.83	0.03	-0.45	-0.15	LC 1-4
				Min M _z	-10.01	-0.24	0.86	0.03	-0.47	-0.23	LC 1-5
				Max N	-4.00	-0.55	1.50	0.03	0.82	0.24	LC 1-4
				Min N	-15.76	-0.57	1.64	0.03	0.85	0.26	LC 1-5
				Max V _y	-9.50	-0.41	1.55	0.02	0.85	0.14	LC 1-5
				Min V _y	-10.27	-0.70	1.59	0.04	0.83	0.37	LC 1-4
				Max V _z	-11.25	-0.57	1.77	0.03	0.97	0.26	LC 1-5
				Min V _z	-8.52	-0.54	1.36	0.04	0.71	0.24	LC 1-4
				Max M _T	-10.94	-0.65	1.46	0.04	0.75	0.33	LC 1-5
				Min M _T	-8.83	-0.46	1.68	0.02	0.93	0.18	LC 1-4
				Max M _y	-10.56	-0.55	1.76	0.02	0.98	0.25	LC 1-5
				Min M _y	-9.21	-0.56	1.37	0.04	0.70	0.26	LC 1-4
				Max M _z	-10.30	-0.70	1.59	0.04	0.83	0.37	LC 1-4
				Min M _z	-9.46	-0.42	1.55	0.02	0.85	0.13	LC 1-5
		109	2.820 Right	Max N	-4.00	-0.55	1.50	0.03	0.82	0.24	LC 1-4
				Min N	-15.76	-0.57	1.64	0.03	0.85	0.26	LC 1-5
				Max V _y	-9.50	-0.41	1.55	0.02	0.85	0.14	LC 1-5
				Min V _y	-10.27	-0.70	1.59	0.04	0.83	0.37	LC 1-4
				Max V _z	-11.25	-0.57	1.77	0.03	0.97	0.26	LC 1-5
				Min V _z	-8.52	-0.54	1.36	0.04	0.71	0.24	LC 1-4
				Max M _T	-10.94	-0.65	1.46	0.04	0.75	0.33	LC 1-5
				Min M _T	-8.83	-0.46	1.68	0.02	0.93	0.18	LC 1-4
				Max M _y	-10.56	-0.55	1.76	0.02	0.98	0.25	LC 1-5
				Min M _y	-9.21	-0.56	1.37	0.04	0.70	0.26	LC 1-4
				Max M _z	-10.30	-0.70	1.59	0.04	0.83	0.37	LC 1-4
				Min M _z	-9.46	-0.42	1.55	0.02	0.85	0.13	LC 1-5
150	RC1	101	0.000 Left	Max N	-11.89	-0.07	-1.90	-0.00	1.64	-0.01	CO 13
				Min N	-23.21	-0.64	-6.15	-0.06	5.43	-0.45	CO 6
				Max V _y	-11.96	-0.07	-1.91	-0.00	1.64	-0.01	CO 9
				Min V _y	-23.10	-0.64	-6.15	-0.06	5.43	-0.45	CO 8
				Max V _z	-11.90	-0.07	-1.90	-0.00	1.64	-0.01	CO 14
				Min V _z	-23.17	-0.64	-6.15	-0.06	5.43	-0.45	CO 3
				Max M _T	-12.01	-0.07	-1.90	-0.00	1.64	-0.01	CO 12
				Min M _T	-23.06	-0.64	-6.15	-0.06	5.43	-0.45	CO 1
				Max M _y	-23.17	-0.64	-6.15	-0.06	5.43	-0.45	CO 3
				Min M _y	-11.90	-0.07	-1.90	-0.00	1.64	-0.01	CO 14
				Max M _z	-11.96	-0.07	-1.91	-0.00	1.64	-0.01	CO 9
				Min M _z	-23.21	-0.64	-6.15	-0.06	5.43	-0.45	CO 6
			0.000 Right	Max N	-11.89	-0.07	-1.90	-0.00	1.64	-0.01	CO 13
				Min N	-23.21	-0.64	-6.15	-0.06	5.43	-0.45	CO 6
				Max V _y	-11.96	-0.07	-1.91	-0.00	1.64	-0.01	CO 9
				Min V _y	-23.10	-0.64	-6.15	-0.06	5.43	-0.45	CO 8
				Max V _z	-11.90	-0.07	-1.90	-0.00	1.64	-0.01	CO 14
				Min V _z	-23.17	-0.64	-6.15	-0.06	5.43	-0.45	CO 3
				Max M _T	-12.01	-0.07	-1.90	-0.00	1.64	-0.01	CO 12
				Min M _T	-23.06	-0.64	-6.15	-0.06	5.43	-0.45	CO 1
				Max M _y	-23.17	-0.64	-6.15	-0.06	5.43	-0.45	CO 3
				Min M _y	-11.90	-0.07	-1.90	-0.00	1.64	-0.01	CO 14
				Max M _z	-11.96	-0.07	-1.91	-0.00	1.64	-0.01	CO 9
				Min M _z	-23.21	-0.64	-6.15	-0.06	5.43	-0.45	CO 6
			0.464 Left	Max N	-11.89	-0.07	-1.87	0.00	0.76	0.03	CO 13
				Min N	-23.18	-0.67	-5.86	-0.06	2.60	-0.14	CO 6
				Max V _y	-11.96	-0.06	-1.88	0.00	0.76	0.02	CO 9
				Min V _y	-23.07	-0.67	-5.86	-0.06	2.60	-0.14	CO 8
				Max V _z	-11.90	-0.07	-1.87	0.00	0.76	0.02	CO 14
				Min V _z	-23.14	-0.66	-5.86	-0.06	2.60	-0.14	CO 3
				Max M _T	-11.90	-0.07	-1.87	0.00	0.76	0.02	CO 14
				Min M _T	-23.03	-0.66	-5.86	-0.06	2.60	-0.14	CO 1
				Max M _y	-23.03	-0.66	-5.86	-0.06	2.60	-0.14	CO 1
				Min M _y	-12.00	-0.07	-1.88	0.00	0.76	0.02	CO 12
				Max M _z	-11.89	-0.07	-1.87	0.00	0.76	0.03	CO 13
				Min M _z	-23.18	-0.67	-5.86	-0.06	2.60	-0.14	CO 6
			0.464 Right	Max N	-11.89	-0.07	-1.87	0.00	0.76	0.03	CO 13
				Min N	-23.18	-0.67	-5.86	-0.06	2.60	-0.14	CO 6
				Max V _y	-11.96	-0.06	-1.88	0.00	0.76	0.02	CO 9
				Min V _y	-23.07	-0.67	-5.86	-0.06	2.60	-0.14	CO 8
				Max V _z	-11.90	-0.07	-1.87	0.00	0.76	0.02	CO 14
				Min V _z	-23.14	-0.66	-5.86	-0.06	2.60	-0.14	CO 3
				Max M _T	-11.90	-0.07	-1.87	0.00	0.76	0.02	CO 14
				Min M _T	-23.03	-0.66	-5.86	-0.06	2.60	-0.14	CO 1
				Max M _y	-23.03	-0.66	-5.86	-0.06	2.60	-0.14	CO 1
				Min M _y	-12.00	-0.07	-1.88	0.00	0.76	0.02	CO 12
				Max M _z	-11.89	-0.07	-1.87	0.00	0.76	0.03	CO 13
				Min M _z	-23.18	-0.67	-5.86	-0.06	2.60	-0.14	CO 6
			0.928 Left	Max N	-11.89	-0.06	-1.83	0.00	-0.10	0.06	CO 13
				Min N	-23.17	-0.66	-5.50	-0.06	-0.01	0.18	CO 6
				Max V _y	-11.96	-0.06	-1.84	0.00	-0.10	0.05	CO 9
				Min V _y	-23.07	-0.66	-5.49	-0.06	-0.01	0.18	CO 8
				Max V _z	-11.90	-0.07	-1.83	0.00	-0.10	0.06	CO 14
				Min V _z	-23.13	-0.66	-5.50	-0.06	-0.01	0.17	CO 3

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]				Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
150	RC1	105	0.928 Right	Max M _T	-11.90	-0.07	-1.83	▷	0.00	-0.10	0.06	CO 14
				Min M _T	-23.13	-0.66	-5.50	▷	-0.06	-0.01	0.17	CO 3
				Max M _y	-23.02	-0.66	-5.49	▷	-0.06	-0.01	0.18	CO 1
				Min M _y	-12.00	-0.07	-1.83	▷	0.00	-0.10	0.06	CO 12
				Max M _z	-23.07	-0.66	-5.49	▷	-0.06	-0.01	0.18	CO 8
				Min M _z	-11.96	-0.06	-1.84	▷	0.00	-0.10	0.05	CO 9
				Max N	-11.89	-0.06	-1.83	▷	0.00	-0.10	0.06	CO 13
				Min N	-23.17	-0.66	-5.50	▷	-0.06	-0.01	0.18	CO 6
				Max V _y	-11.96	▷	-0.06	-1.84	0.00	-0.10	0.05	CO 9
				Min V _y	-23.07	▷	-0.66	-5.49	-0.06	-0.01	0.18	CO 8
				Max V _z	-11.90	-0.07	▷	-1.83	0.00	-0.10	0.06	CO 14
				Min V _z	-23.13	-0.66	▷	-5.50	-0.06	-0.01	0.17	CO 3
				Max M _T	-11.90	-0.07	-1.83	▷	0.00	-0.10	0.06	CO 14
				Min M _T	-23.13	-0.66	-5.50	▷	-0.06	-0.01	0.17	CO 3
				Max M _y	-23.02	-0.66	-5.49	-0.06	-0.01	0.18	CO 1	
				Min M _y	-12.00	-0.07	-1.83	0.00	-0.10	0.06	CO 12	
				Max M _z	-23.07	-0.66	-5.49	-0.06	-0.01	0.18	CO 8	
				Min M _z	-11.96	-0.06	-1.84	0.00	-0.10	0.05	CO 9	
	RC2	101	0.000 Left	Max N	-8.36	-0.05	-1.29	▷	-0.00	1.10	-0.01	CO 27
				Min N	-16.73	-0.48	-4.45	▷	-0.04	3.90	-0.33	CO 20
				Max V _y	-8.41	▷	-0.05	-1.29	-0.00	1.10	-0.01	CO 23
				Min V _y	-16.65	▷	-0.48	-4.45	-0.04	3.90	-0.33	CO 22
				Max V _z	-8.37	-0.06	▷	-1.29	-0.00	1.10	-0.01	CO 28
				Min V _z	-16.73	-0.48	▷	-4.45	-0.04	3.90	-0.33	CO 19
				Max M _T	-8.37	-0.06	-1.29	▷	-0.00	1.10	-0.01	CO 28
				Min M _T	-16.62	-0.48	-4.45	▷	-0.04	3.90	-0.33	CO 15
				Max M _y	-16.73	-0.48	-4.45	-0.04	3.90	-0.33	CO 19	
				Min M _y	-8.45	-0.05	-1.29	-0.00	1.10	-0.01	CO 26	
				Max M _z	-8.41	-0.05	-1.29	-0.00	1.10	▷	-0.01	CO 23
				Min M _z	-16.73	-0.48	-4.45	-0.04	3.90	▷	-0.33	CO 20
			0.000 Right	Max N	-8.36	-0.05	-1.29	-0.00	1.10	-0.01	CO 27	
				Min N	-16.73	-0.48	-4.45	-0.04	3.90	-0.33	CO 20	
				Max V _y	-8.41	▷	-0.05	-1.29	-0.00	1.10	-0.01	CO 23
				Min V _y	-16.65	▷	-0.48	-4.45	-0.04	3.90	-0.33	CO 22
				Max V _z	-8.37	-0.06	▷	-1.29	-0.00	1.10	-0.01	CO 28
				Min V _z	-16.73	-0.48	▷	-4.45	-0.04	3.90	-0.33	CO 19
				Max M _T	-8.37	-0.06	-1.29	▷	-0.00	1.10	-0.01	CO 28
				Min M _T	-16.62	-0.48	-4.45	▷	-0.04	3.90	-0.33	CO 15
				Max M _y	-16.73	-0.48	-4.45	-0.04	3.90	-0.33	CO 19	
				Min M _y	-8.45	-0.05	-1.29	-0.00	1.10	-0.01	CO 26	
				Max M _z	-8.41	-0.05	-1.29	-0.00	1.10	▷	-0.01	CO 23
				Min M _z	-16.73	-0.48	-4.45	-0.04	3.90	▷	-0.33	CO 20
			0.464 Left	Max N	-8.36	-0.05	-1.26	0.00	0.51	0.02	CO 27	
				Min N	-16.72	-0.50	-4.21	-0.05	1.87	-0.10	CO 20	
				Max V _y	-8.41	▷	-0.05	-1.27	-0.00	0.51	0.02	CO 23
				Min V _y	-16.64	▷	-0.50	-4.21	-0.05	1.87	-0.10	CO 22
				Max V _z	-8.37	-0.05	▷	-1.26	0.00	0.51	0.02	CO 28
				Min V _z	-16.71	-0.49	▷	-4.21	-0.05	1.87	-0.10	CO 19
				Max M _T	-8.37	-0.05	-1.26	▷	0.00	0.51	0.02	CO 28
				Min M _T	-16.61	-0.49	-4.21	▷	-0.05	1.87	-0.10	CO 15
				Max M _y	-16.61	-0.49	-4.21	-0.05	1.87	-0.10	CO 15	
				Min M _y	-8.44	-0.05	-1.27	0.00	0.51	0.02	CO 26	
				Max M _z	-8.36	-0.05	-1.26	0.00	0.51	▷	0.02	CO 27
				Min M _z	-16.72	-0.50	-4.21	-0.05	1.87	▷	-0.10	CO 20
			0.464 Right	Max N	-8.36	-0.05	-1.26	0.00	0.51	0.02	CO 27	
				Min N	-16.72	-0.50	-4.21	-0.05	1.87	-0.10	CO 20	
				Max V _y	-8.41	▷	-0.05	-1.27	-0.00	0.51	0.02	CO 23
				Min V _y	-16.64	▷	-0.50	-4.21	-0.05	1.87	-0.10	CO 22
				Max V _z	-8.37	-0.05	▷	-1.26	0.00	0.51	0.02	CO 28
				Min V _z	-16.71	-0.49	▷	-4.21	-0.05	1.87	-0.10	CO 19
				Max M _T	-8.37	-0.05	-1.26	▷	0.00	0.51	0.02	CO 28
				Min M _T	-16.61	-0.49	-4.21	▷	-0.05	1.87	-0.10	CO 15
				Max M _y	-16.61	-0.49	-4.21	-0.05	1.87	-0.10	CO 15	
				Min M _y	-8.44	-0.05	-1.27	0.00	0.51	0.02	CO 26	
				Max M _z	-8.36	-0.05	-1.26	0.00	0.51	▷	0.02	CO 27
				Min M _z	-16.72	-0.50	-4.21	-0.05	1.87	▷	-0.10	CO 20
			0.928 Left	Max N	-8.36	-0.05	-1.23	0.00	-0.07	0.04	CO 27	
				Min N	-16.71	-0.49	-3.93	-0.05	-0.01	0.13	CO 20	
				Max V _y	-8.41	▷	-0.05	-1.23	0.00	-0.07	0.04	CO 23
				Min V _y	-16.63	▷	-0.49	-3.93	-0.05	-0.00	0.13	CO 22
				Max V _z	-8.36	-0.05	▷	-1.23	0.00	-0.07	0.04	CO 28
				Min V _z	-16.71	-0.49	▷	-3.93	-0.05	-0.01	0.13	CO 19
				Max M _T	-8.36	-0.05	-1.23	▷	-0.05	-0.07	0.04	CO 28
				Min M _T	-16.60	-0.49	-3.93	▷	-0.05	-0.00	0.13	CO 15
				Max M _y	-16.60	-0.49	-3.93	-0.05	-0.00	0.13	CO 15	
				Min M _y	-8.44	-0.05	-1.23	0.00	-0.07	0.04	CO 26	
				Max M _z	-16.63	-0.49	-3.93	-0.05	-0.00	0.13	CO 22	
				Min M _z	-8.41	-0.05	-1.23	0.00	-0.07	0.04	CO 23	
		105	0.928 Right	Max N	-8.36	-0.05	-1.23	0.00	-0.07	0.04	CO 27	
				Min N	-16.71	-0.49	-3.93	-0.05	-0.01	0.13	CO 20	
				Max V _y	-8.41	▷	-0.05	-1.23	0.00	-0.07	0.04	CO 23
				Min V _y	-16.63	▷	-0.49	-3.93	-0.05	-0.00	0.13	CO 22
				Max V _z	-8.36	-0.05	▷	-1.23	0.00	-0.07	0.04	CO 28
				Min V _z	-16.71	-0.49	▷	-3.93	-0.05	-0.01	0.13	CO 19
				Max M _T	-8.36	-0.05	-1.23	▷	-0.05	-0.07	0.04	CO 28
				Min M _T	-16.60	-0.49	-3.93	▷	-0.05	-0.00	0.13	CO 15
				Max M _y	-16.60	-0.49	-3.93	-0.05	-0.00	0.13	CO 15	
				Min M _y	-8.44	-0.05	-1.23	0.00	-0.07	0.04	CO 26	
				Max M _z	-16.63	-0.49	-3.93	-0.05	-0.00	0.13	CO 22	
				Min M _z	-8.41	-0.05	-1.23	0.00	-0.07	0.04	CO 23	
	RC6	101	0.000 Left	Max N	-7.09	-1.57	-3.56	-0.05	2.11	-0.76	LC 1-4	
				Min N	-21.11	0.49	-3.23	-0.05	3.65	0.05	LC 1-5	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding				
					N	V _y	V _z	M _T	M _y	M _z	Load Cases				
150	RC6		0.000 Right	Max V _y	-17.70	1.36	-3.61	-0.05	3.67	0.38	LC 1-4				
				Min V _y	-10.49	-2.45	-3.18	-0.04	2.09	-1.09	LC 1-5				
				Max V _z	-14.88	-0.85	-2.09	-0.03	1.80	-0.72	LC 1-4				
				Min V _z	-13.31	-0.24	-4.70	-0.06	3.96	0.01	LC 1-5				
				Max M _T	-14.72	-0.67	-3.11	0.02	2.55	-0.43	LC 1-5				
				Min M _T	-13.47	-0.42	-3.69	-0.11	3.21	-0.28	LC 1-4				
				Max M _y	-17.53	0.46	-4.34	-0.07	4.37	0.26	LC 1-4				
				Min M _y	-10.67	-1.55	-2.45	-0.03	1.39	-0.97	LC 1-5				
				Max M _z	-17.27	1.08	-3.94	-0.05	3.95	0.50	LC 1-4				
				Min M _z	-10.93	-2.17	-2.85	-0.04	1.82	-1.21	LC 1-5				
				Max N	-7.09	-1.57	-3.56	-0.05	2.11	-0.76	LC 1-4				
				Min N	-21.11	0.49	-3.23	-0.05	3.65	0.05	LC 1-5				
				Max V _y	-17.70	1.36	-3.61	-0.05	3.67	0.38	LC 1-4				
				Min V _y	-10.49	-2.45	-3.18	-0.04	2.09	-1.09	LC 1-5				
				Max V _z	-14.88	-0.85	-2.09	-0.03	1.80	-0.72	LC 1-4				
				Min V _z	-13.31	-0.24	-4.70	-0.06	3.96	0.01	LC 1-5				
				Max M _T	-14.72	-0.67	-3.11	0.02	2.55	-0.43	LC 1-5				
				Min M _T	-13.47	-0.42	-3.69	-0.11	3.21	-0.28	LC 1-4				
				Max M _y	-17.53	0.46	-4.34	-0.07	4.37	0.26	LC 1-4				
				Min M _y	-10.67	-1.55	-2.45	-0.03	1.39	-0.97	LC 1-5				
				Max M _z	-17.27	1.08	-3.94	-0.05	3.95	0.50	LC 1-4				
				Min M _z	-10.93	-2.17	-2.85	-0.04	1.82	-1.21	LC 1-5				
				Max N	-7.09	-1.58	-3.26	-0.05	0.51	-0.03	LC 1-4				
				Min N	-21.11	0.48	-2.94	-0.05	2.20	-0.17	LC 1-5				
				Max V _y	-17.70	1.35	-3.31	-0.05	2.04	-0.25	LC 1-4				
				Min V _y	-10.49	-2.45	-2.89	-0.04	0.66	0.04	LC 1-5				
				Max V _z	-14.88	-0.85	-1.80	-0.03	0.88	-0.32	LC 1-4				
				Min V _z	-13.31	-0.24	-4.40	-0.06	1.83	0.12	LC 1-5				
				Max M _T	-14.72	-0.67	-2.81	0.02	1.16	-0.12	LC 1-5				
				Min M _T	-13.47	-0.42	-3.39	-0.11	1.55	-0.09	LC 1-4				
				Max M _y	-19.13	0.61	-3.65	-0.06	2.48	-0.02	LC 1-4				
				Min M _y	-9.06	-1.71	-2.55	-0.03	0.23	-0.18	LC 1-5				
				Max M _z	-12.99	-1.13	-3.71	-0.05	1.55	0.37	LC 1-4				
				Min M _z	-15.20	0.03	-2.49	-0.04	1.16	-0.58	LC 1-5				
				Max N	-7.09	-1.58	-3.26	-0.05	0.51	-0.03	LC 1-4				
				Min N	-21.11	0.48	-2.94	-0.05	2.20	-0.17	LC 1-5				
				Max V _y	-17.70	1.35	-3.31	-0.05	2.04	-0.25	LC 1-4				
				Min V _y	-10.49	-2.45	-2.89	-0.04	0.66	0.04	LC 1-5				
				Max V _z	-14.88	-0.85	-1.80	-0.03	0.88	-0.32	LC 1-4				
				Min V _z	-13.31	-0.24	-4.40	-0.06	1.83	0.12	LC 1-5				
				Max M _T	-14.72	-0.67	-2.81	0.02	1.16	-0.12	LC 1-5				
				Min M _T	-13.47	-0.42	-3.39	-0.11	1.55	-0.09	LC 1-4				
				Max M _y	-19.13	0.61	-3.65	-0.06	2.48	-0.02	LC 1-4				
				Min M _y	-9.06	-1.71	-2.55	-0.03	0.23	-0.18	LC 1-5				
				Max M _z	-12.99	-1.13	-3.71	-0.05	1.55	0.37	LC 1-4				
				Min M _z	-15.20	0.03	-2.49	-0.04	1.16	-0.58	LC 1-5				
				Max N	-7.09	-1.58	-2.97	-0.05	-0.92	0.70	LC 1-4				
				Min N	-21.11	0.48	-2.64	-0.05	0.93	-0.40	LC 1-5				
				Max V _y	-17.70	1.35	-3.02	-0.05	0.60	-0.88	LC 1-4				
				Min V _y	-10.49	-2.46	-2.59	-0.04	-0.59	1.18	LC 1-5				
				Max V _z	-14.88	-0.86	-1.50	-0.03	0.13	0.07	LC 1-4				
				Min V _z	-13.31	-0.25	-4.11	-0.06	-0.12	0.23	LC 1-5				
				Max M _T	-14.72	-0.68	-2.52	0.02	-0.06	0.19	LC 1-5				
				Min M _T	-13.47	-0.43	-3.10	-0.11	0.07	0.11	LC 1-4				
				Max M _y	-20.14	0.54	-2.64	-0.05	1.04	-0.39	LC 1-4				
				Min M _y	-8.06	-1.64	-2.97	-0.04	-1.03	0.70	LC 1-5				
				Max M _z	-10.81	-2.30	-2.89	-0.04	-0.51	1.27	LC 1-5				
				Min M _z	-17.39	1.20	-2.73	-0.05	0.52	-0.97	LC 1-4				
				154	RC1	74	0.000 Left	Max N	-6.65	0.07	-0.51	-0.00	0.52	0.08	CO 9
								Min N	-8.69	0.22	-3.24	-0.04	2.87	0.33	CO 8
								Max V _y	-8.68	0.22	-3.24	-0.04	2.87	0.33	CO 6
								Min V _y	-6.70	0.07	-0.51	-0.00	0.52	0.08	CO 13
								Max V _z	-6.77	0.07	-0.51	-0.00	0.51	0.08	CO 12
								Min V _z	-8.57	0.22	-3.25	-0.04	2.88	0.33	CO 1
								Max M _T	-6.65	0.07	-0.51	-0.00	0.52	0.08	CO 9
								Min M _T	-8.68	0.22	-3.24	-0.04	2.87	0.33	CO 6
								Max M _y	-8.57	0.22	-3.25	-0.04	2.88	0.33	CO 1
								Min M _y	-6.77	0.07	-0.51	-0.00	0.51	0.08	CO 12
								Max M _z	-8.68	0.22	-3.24	-0.04	2.87	0.33	CO 6
								Min M _z	-6.70	0.07	-0.51	-0.00	0.52	0.08	CO 13
0.000 Right	Max N	-6.65	0.07				-0.51	-0.00	0.52	0.08	CO 9				
	Min N	-8.69	0.22				-3.24	-0.04	2.87	0.33	CO 8				
	Max V _y	-8.68	0.22				-3.24	-0.04	2.87	0.33	CO 6				
	Min V _y	-6.70	0.07				-0.51	-0.00	0.52	0.08	CO 13				
	Max V _z	-6.77	0.07				-0.51	-0.00	0.51	0.08	CO 12				
	Min V _z	-8.57	0.22				-3.25	-0.04	2.88	0.33	CO 1				
	Max M _T	-6.65	0.07				-0.51	-0.00	0.52	0.08	CO 9				
	Min M _T	-8.68	0.22				-3.24	-0.04	2.87	0.33	CO 6				
	Max M _y	-8.57	0.22				-3.25	-0.04	2.88	0.33	CO 1				
	Min M _y	-6.77	0.07				-0.51	-0.00	0.51	0.08	CO 12				

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases				
					N	V _y	V _z	M _T	M _y	M _z					
154	RC1		0.257 Left	Max M _z	-8.68	0.22	-3.24	-0.04	2.87	0.33	CO 6				
				Min M _z	-6.70	0.07	-0.51	-0.00	0.52	0.08	CO 13				
				Max N	-6.64	0.07	-0.49	-0.00	0.39	0.06	CO 9				
				Min N	-8.67	0.24	-3.05	-0.04	2.05	0.27	CO 8				
				Max V _y	-8.66	0.24	-3.05	-0.04	2.05	0.27	CO 6				
				Min V _y	-6.69	0.07	-0.49	-0.00	0.39	0.06	CO 13				
				Max V _z	-6.76	0.07	-0.49	-0.00	0.38	0.06	CO 12				
				Min V _z	-8.59	0.24	-3.05	-0.04	2.06	0.27	CO 7				
				Max M _T	-6.64	0.07	-0.49	-0.00	0.39	0.06	CO 9				
				Min M _T	-8.66	0.24	-3.05	-0.04	2.05	0.27	CO 6				
				Max M _y	-8.55	0.24	-3.05	-0.04	2.06	0.27	CO 1				
				Min M _y	-6.76	0.07	-0.49	-0.00	0.38	0.06	CO 12				
				Max M _z	-8.66	0.24	-3.05	-0.04	2.05	0.27	CO 6				
				Min M _z	-6.69	0.07	-0.49	-0.00	0.39	0.06	CO 13				
				Max N	-6.64	0.07	-0.49	-0.00	0.39	0.06	CO 9				
				Min N	-8.67	0.24	-3.05	-0.04	2.05	0.27	CO 8				
				Max V _y	-8.66	0.24	-3.05	-0.04	2.05	0.27	CO 6				
				Min V _y	-6.69	0.07	-0.49	-0.00	0.39	0.06	CO 13				
				Max V _z	-6.76	0.07	-0.49	-0.00	0.38	0.06	CO 12				
				Min V _z	-8.59	0.24	-3.05	-0.04	2.06	0.27	CO 7				
				Max M _T	-6.64	0.07	-0.49	-0.00	0.39	0.06	CO 9				
				Min M _T	-8.66	0.24	-3.05	-0.04	2.05	0.27	CO 6				
				Max M _y	-8.55	0.24	-3.05	-0.04	2.06	0.27	CO 1				
				Min M _y	-6.76	0.07	-0.49	-0.00	0.38	0.06	CO 12				
				Max M _z	-8.66	0.24	-3.05	-0.04	2.05	0.27	CO 6				
				Min M _z	-6.69	0.07	-0.49	-0.00	0.39	0.06	CO 13				
				Max N	-6.61	0.07	-0.43	-0.00	0.08	0.01	CO 9				
				Min N	-8.64	0.59	-1.79	-0.04	0.38	0.03	CO 8				
				Max V _y	-8.63	0.59	-1.79	-0.04	0.38	0.03	CO 6				
				Min V _y	-6.66	0.07	-0.44	-0.00	0.08	0.01	CO 13				
				Max V _z	-6.69	0.08	-0.43	-0.00	0.07	0.01	CO 10				
				Min V _z	-8.56	0.59	-1.80	-0.04	0.39	0.03	CO 7				
				Max M _T	-6.61	0.07	-0.43	-0.00	0.08	0.01	CO 9				
				Min M _T	-8.63	0.59	-1.79	-0.04	0.38	0.03	CO 6				
				Max M _y	-8.52	0.59	-1.80	-0.04	0.39	0.03	CO 1				
				Min M _y	-6.73	0.08	-0.43	-0.00	0.07	0.01	CO 12				
				Max M _z	-8.60	0.59	-1.79	-0.04	0.38	0.03	CO 2				
				Min M _z	-6.65	0.07	-0.43	-0.00	0.08	0.01	CO 11				
				Max N	-6.61	0.07	-0.43	-0.00	0.08	0.01	CO 9				
				Min N	-8.64	0.59	-1.79	-0.04	0.38	0.03	CO 8				
				Max V _y	-8.63	0.59	-1.79	-0.04	0.38	0.03	CO 6				
				Min V _y	-6.66	0.07	-0.44	-0.00	0.08	0.01	CO 13				
				Max V _z	-6.69	0.08	-0.43	-0.00	0.07	0.01	CO 10				
				Min V _z	-8.56	0.59	-1.80	-0.04	0.39	0.03	CO 7				
				Max M _T	-6.61	0.07	-0.43	-0.00	0.08	0.01	CO 9				
				Min M _T	-8.63	0.59	-1.79	-0.04	0.38	0.03	CO 6				
				Max M _y	-8.52	0.59	-1.80	-0.04	0.39	0.03	CO 1				
				Min M _y	-6.73	0.08	-0.43	-0.00	0.07	0.01	CO 12				
				Max M _z	-8.60	0.59	-1.79	-0.04	0.38	0.03	CO 2				
				Min M _z	-6.65	0.07	-0.43	-0.00	0.08	0.01	CO 11				
				Max N	-6.61	0.07	-0.42	-0.00	0.00	-0.00	CO 9				
				Min N	-8.63	0.75	-1.41	-0.04	0.11	-0.08	CO 8				
				Max V _y	-8.63	0.75	-1.41	-0.04	0.11	-0.08	CO 6				
				Min V _y	-6.65	0.07	-0.42	-0.00	0.00	-0.00	CO 13				
				Max V _z	-6.73	0.08	-0.42	-0.00	-0.00	-0.00	CO 12				
				Min V _z	-8.55	0.75	-1.42	-0.04	0.12	-0.08	CO 7				
				Max M _T	-6.61	0.07	-0.42	-0.00	0.00	-0.00	CO 9				
				Min M _T	-8.63	0.75	-1.41	-0.04	0.11	-0.08	CO 6				
				Max M _y	-8.51	0.75	-1.42	-0.04	0.12	-0.08	CO 1				
				Min M _y	-6.73	0.08	-0.42	-0.00	-0.00	-0.00	CO 12				
				Max M _z	-6.65	0.07	-0.42	-0.00	0.00	-0.00	CO 13				
				Min M _z	-8.63	0.75	-1.41	-0.04	0.11	-0.08	CO 6				
				RC2	74	0.000 Left		Max N	-4.73	0.05	-0.36	-0.00	0.36	0.05	CO 23
								Min N	-6.22	0.16	-2.38	-0.03	2.09	0.24	CO 22
								Max V _y	-6.22	0.16	-2.38	-0.03	2.09	0.24	CO 20
								Min V _y	-4.76	0.05	-0.36	-0.00	0.36	0.05	CO 27
								Max V _z	-4.81	0.05	-0.36	-0.00	0.35	0.05	CO 26
								Min V _z	-6.14	0.16	-2.39	-0.03	2.10	0.24	CO 15
								Max M _T	-4.76	0.05	-0.36	-0.00	0.36	0.05	CO 27
								Min M _T	-6.22	0.16	-2.38	-0.03	2.09	0.24	CO 20
								Max M _y	-6.14	0.16	-2.39	-0.03	2.10	0.24	CO 15
								Min M _y	-4.81	0.05	-0.36	-0.00	0.35	0.05	CO 26
								Max M _z	-6.22	0.16	-2.38	-0.03	2.09	0.24	CO 20
								Min M _z	-4.76	0.05	-0.36	-0.00	0.36	0.05	CO 27
	Max N	-4.73	0.05					-0.36	-0.00	0.36	0.05	CO 23			
	Min N	-6.22	0.16					-2.38	-0.03	2.09	0.24	CO 22			
	Max V _y	-6.22	0.16					-2.38	-0.03	2.09	0.24	CO 20			
	Min V _y	-4.76	0.05					-0.36	-0.00	0.36	0.05	CO 27			
	Max V _z	-4.81	0.05					-0.36	-0.00	0.35	0.05	CO 26			
	Min V _z	-6.14	0.16					-2.39	-0.03	2.10	0.24	CO 15			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
154	RC2	131	0.257 Left	Max M _T	-4.76	0.05	-0.36	▷	-0.00	0.36	0.05	CO 27
				Min M _T	-6.22	0.16	-2.38	▷	-0.03	2.09	0.24	CO 20
				Max M _y	-6.14	0.16	-2.39	▷	-0.03	2.10	0.24	CO 15
				Min M _y	-4.81	0.05	-0.36	▷	-0.00	0.35	0.05	CO 26
				Max M _z	-6.22	0.16	-2.38	▷	-0.03	2.09	0.24	CO 20
				Min M _z	-4.76	0.05	-0.36	▷	-0.00	0.36	0.05	CO 27
				Max N	-4.72	0.05	-0.34	▷	-0.00	0.27	0.04	CO 23
				Min N	-6.21	0.18	-2.24	▷	-0.03	1.49	0.20	CO 22
				Max V _y	-6.21	▷	0.18	▷	-0.03	1.49	0.20	CO 20
				Min V _y	-4.75	▷	0.05	▷	-0.00	0.27	0.04	CO 27
				Max V _z	-4.80	0.05	▷	-0.34	-0.00	0.26	0.04	CO 26
				Min V _z	-6.15	0.18	▷	-2.24	-0.03	1.50	0.20	CO 21
				Max M _T	-4.75	0.05	-0.34	▷	-0.00	0.27	0.04	CO 27
				Min M _T	-6.21	0.18	-2.24	▷	-0.03	1.49	0.20	CO 20
				Max M _y	-6.13	0.18	-2.24	▷	-0.03	1.50	0.20	CO 15
				Min M _y	-4.80	0.05	-0.34	▷	-0.00	0.26	0.04	CO 26
				Max M _z	-6.21	0.18	-2.24	▷	-0.03	1.49	0.20	CO 20
				Min M _z	-4.75	0.05	-0.34	▷	-0.00	0.27	0.04	CO 27
				Max N	-4.72	0.05	-0.34	▷	-0.00	0.27	0.04	CO 23
				Min N	-6.21	0.18	-2.24	▷	-0.03	1.49	0.20	CO 22
				Max V _y	-6.21	▷	0.18	▷	-0.03	1.49	0.20	CO 20
				Min V _y	-4.75	▷	0.05	▷	-0.00	0.27	0.04	CO 27
				Max V _z	-4.80	0.05	▷	-0.34	-0.00	0.26	0.04	CO 26
				Min V _z	-6.15	0.18	▷	-2.24	-0.03	1.50	0.20	CO 21
				Max M _T	-4.75	0.05	-0.34	▷	-0.00	0.27	0.04	CO 27
				Min M _T	-6.21	0.18	-2.24	▷	-0.03	1.49	0.20	CO 20
				Max M _y	-6.13	0.18	-2.24	▷	-0.03	1.50	0.20	CO 15
				Min M _y	-4.80	0.05	-0.34	▷	-0.00	0.26	0.04	CO 26
				Max M _z	-6.21	0.18	-2.24	▷	-0.03	1.49	0.20	CO 20
				Min M _z	-4.75	0.05	-0.34	▷	-0.00	0.27	0.04	CO 27
				Max N	-4.70	0.05	-0.30	▷	-0.00	0.05	0.01	CO 23
				Min N	-6.19	0.43	-1.30	▷	-0.03	0.27	0.02	CO 22
				Max V _y	-6.18	▷	0.43	▷	-0.03	0.27	0.02	CO 20
				Min V _y	-4.73	▷	0.05	▷	-0.00	0.05	0.01	CO 27
				Max V _z	-4.78	0.05	▷	-0.30	-0.00	0.05	0.01	CO 26
				Min V _z	-6.13	0.43	▷	-1.31	-0.03	0.28	0.02	CO 21
				Max M _T	-4.73	0.05	-0.30	▷	-0.00	0.05	0.01	CO 27
				Min M _T	-6.18	0.43	-1.30	▷	-0.03	0.27	0.02	CO 20
				Max M _y	-6.10	0.43	-1.31	▷	-0.03	0.28	0.02	CO 15
				Min M _y	-4.78	0.05	-0.30	▷	-0.00	0.05	0.01	CO 26
				Max M _z	-6.16	0.43	-1.30	▷	-0.03	0.27	0.02	CO 16
				Min M _z	-4.73	0.05	-0.30	▷	-0.00	0.05	0.01	CO 25
				Max N	-4.70	0.05	-0.30	▷	-0.00	0.05	0.01	CO 23
				Min N	-6.19	0.43	-1.30	▷	-0.03	0.27	0.02	CO 22
				Max V _y	-6.18	▷	0.43	▷	-0.03	0.27	0.02	CO 20
				Min V _y	-4.73	▷	0.05	▷	-0.00	0.05	0.01	CO 27
				Max V _z	-4.78	0.05	▷	-0.30	-0.00	0.05	0.01	CO 26
				Min V _z	-6.13	0.43	▷	-1.31	-0.03	0.28	0.02	CO 21
				Max M _T	-4.73	0.05	-0.30	▷	-0.00	0.05	0.01	CO 27
				Min M _T	-6.18	0.43	-1.30	▷	-0.03	0.27	0.02	CO 20
				Max M _y	-6.10	0.43	-1.31	▷	-0.03	0.28	0.02	CO 15
				Min M _y	-4.78	0.05	-0.30	▷	-0.00	0.05	0.01	CO 26
				Max M _z	-6.16	0.43	-1.30	▷	-0.03	0.27	0.02	CO 16
				Min M _z	-4.73	0.05	-0.30	▷	-0.00	0.05	0.01	CO 25
				Max N	-4.69	0.05	-0.29	▷	-0.00	0.00	-0.00	CO 23
				Min N	-6.18	▷	0.55	▷	-0.03	0.08	-0.06	CO 22
				Max V _y	-6.18	▷	0.55	▷	-0.03	0.08	-0.06	CO 20
				Min V _y	-4.72	▷	0.05	▷	-0.00	0.00	-0.00	CO 27
				Max V _z	-4.78	0.05	▷	-0.29	-0.00	-0.00	-0.00	CO 26
				Min V _z	-6.13	0.55	▷	-1.02	-0.03	0.08	-0.06	CO 21
				Max M _T	-4.72	0.05	-0.29	▷	-0.00	0.00	-0.00	CO 27
				Min M _T	-6.18	0.55	-1.02	▷	-0.03	0.08	-0.06	CO 20
				Max M _y	-6.10	0.55	-1.02	▷	-0.03	0.08	-0.06	CO 15
				Min M _y	-4.78	0.05	-0.29	▷	-0.00	-0.00	-0.00	CO 26
				Max M _z	-4.72	0.05	-0.29	▷	-0.00	0.00	-0.00	CO 27
				Min M _z	-6.18	0.55	-1.02	▷	-0.03	0.08	-0.06	CO 20
				Max N	-0.63	0.16	-1.96	▷	-0.04	1.47	0.22	LC 1-4
				Min N	-10.10	0.13	-2.49	▷	-0.02	2.25	0.20	LC 1-5
				Max V _y	-5.49	▷	0.31	▷	-0.06	3.10	0.40	LC 1-5
				Min V _y	-5.23	▷	-0.02	▷	0.00	0.62	0.02	LC 1-4
				Max V _z	-4.64	0.30	-1.04	▷	0.00	0.56	0.03	LC 1-5
				Min V _z	-6.08	0.30	-3.40	▷	-0.06	3.17	0.39	LC 1-4
				Max M _T	-5.82	-0.02	-1.12	▷	0.00	0.68	0.02	LC 1-5
				Min M _T	-4.90	0.31	-3.33	▷	-0.06	3.05	0.39	LC 1-4
				Max M _y	-6.29	0.30	-3.39	▷	-0.05	3.18	0.39	LC 1-4
				Min M _y	-4.43	-0.01	-1.05	▷	0.00	0.55	0.03	LC 1-5
				Max M _z	-5.61	0.31	-3.37	▷	-0.06	3.13	0.40	LC 1-5
				Min M _z	-5.11	-0.02	-1.08	▷	0.00	0.60	0.02	LC 1-4
				Max N	-0.63	0.16	-1.96	▷	-0.04	1.47	0.22	LC 1-4
				Min N	-10.10	0.13	-2.49	▷	-0.02	2.25	0.20	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases							
					N	V _y	V _z	M _T	M _y	M _z								
154	RC6		0.257 Left	Max V _y	-5.49	▷	0.31	-3.37	-0.06	3.10	0.40	LC 1-5						
				Min V _y	-5.23	▷	-0.02	-1.08	0.00	0.62	0.02	LC 1-4						
				Max V _z	-4.64		-0.02	▷	-1.04	0.00	0.56	0.03	LC 1-5					
				Min V _z	-6.08		0.30	▷	-3.40	-0.06	3.17	0.39	LC 1-4					
				Max M _T	-5.82		-0.02		-1.12	▷	0.00	0.68	0.02	LC 1-5				
				Min M _T	-4.90		0.31		-3.33	▷	-0.06	3.05	0.39	LC 1-4				
				Max M _y	-6.29		0.30		-3.39		-0.05	▷	3.18	0.39	LC 1-4			
				Min M _y	-4.43		-0.01		-1.05		0.00	▷	0.55	0.03	LC 1-5			
				Max M _z	-5.61		0.31		-3.37		-0.06	▷	3.13	▷	0.40	LC 1-5		
				Min M _z	-5.11		-0.02		-1.08		0.00	▷	0.60	▷	0.02	LC 1-4		
				Max N	-0.62		0.17		-1.80		-0.04		0.99		0.18	LC 1-4		
				Min N	-10.09		0.13		-2.34		-0.02		1.63		0.16	LC 1-5		
				Max V _y	-5.48		0.32		-3.21		-0.06		2.26		0.32	LC 1-5		
				Min V _y	-5.22		-0.02		-0.93		0.00		0.36		0.02	LC 1-4		
				Max V _z	-4.63		-0.01		-0.89		0.00		0.31		0.03	LC 1-5		
				Min V _z	-6.07		0.31		-3.25		-0.06		2.31		0.31	LC 1-4		
				Max M _T	-5.81		-0.01		-0.97		0.00		0.41		0.03	LC 1-5		
				Min M _T	-4.89		0.31		-3.17		-0.06		2.21		0.31	LC 1-4		
				Max M _y	-6.34		0.31		-3.23		-0.05		▷	2.32	0.31	LC 1-4		
				Min M _y	-4.36		-0.00		-0.91		-0.00		▷	0.29	0.03	LC 1-5		
				Max M _z	-5.64		0.32		-3.22		-0.06		▷	2.28	0.32	LC 1-5		
				Min M _z	-5.07		-0.02		-0.92		0.00		▷	0.34	▷	0.02	LC 1-4	
				Max N	-0.62		0.17		-1.80		-0.04			0.99		0.18	LC 1-4	
				Min N	-10.09		0.13		-2.34		-0.02			1.63		0.16	LC 1-5	
				Max V _y	-5.48		0.32		-3.21		-0.06			2.26		0.32	LC 1-5	
				Min V _y	-5.22		-0.02		-0.93		0.00			0.36		0.02	LC 1-4	
				Max V _z	-4.63		-0.01		-0.89		0.00			0.31		0.03	LC 1-5	
				Min V _z	-6.07		0.31		-3.25		-0.06			2.31		0.31	LC 1-4	
				Max M _T	-5.81		-0.01		-0.97		0.00			0.41		0.03	LC 1-5	
				Min M _T	-4.89		0.31		-3.17		-0.06			2.21		0.31	LC 1-4	
				Max M _y	-6.34		0.31		-3.23		-0.05			▷	2.32	0.31	LC 1-4	
				Min M _y	-4.36		-0.00		-0.91		-0.00			▷	0.29	0.03	LC 1-5	
				Max M _z	-5.64		0.32		-3.22		-0.06			▷	2.28	0.32	LC 1-5	
				Min M _z	-5.07		-0.02		-0.92		0.00			▷	0.34	▷	0.02	LC 1-4
				Max N	-0.60		0.42		-0.86		-0.04			0.06		0.01	LC 1-4	
				Min N	-10.06		0.38		-1.40		-0.02			0.35		0.01	LC 1-5	
				Max V _y	-5.46		0.57		-2.27		-0.06			0.38		0.05	LC 1-5	
				Min V _y	-5.20		0.23		0.01		0.00			0.02		-0.02	LC 1-4	
				Max V _z	-4.61		0.24		0.05		0.00			-0.00		-0.02	LC 1-5	
				Min V _z	-6.05		0.56		-2.31		-0.06			0.41		0.05	LC 1-4	
				Max M _T	-5.79		0.24		-0.03		0.00			0.04		-0.02	LC 1-5	
				Min M _T	-4.87		0.56		-2.23		-0.06			0.36		0.04	LC 1-4	
				Max M _y	-6.93		0.51		-2.02		-0.05			▷	0.47	0.05	LC 1-4	
				Min M _y	-3.73		0.29		-0.24		-0.01			▷	-0.07	-0.02	LC 1-5	
				Max M _z	-5.89		0.55		-2.20		-0.05			▷	0.45	0.05	LC 1-4	
				Min M _z	-4.77		0.25		-0.06		-0.00			▷	-0.04	-0.03	LC 1-5	
				Max N	-0.60		0.42		-0.86		-0.04			0.06		0.01	LC 1-4	
				Min N	-10.06		0.38		-1.40		-0.02			0.35		0.01	LC 1-5	
				Max V _y	-5.46		0.57		-2.27		-0.06			0.38		0.05	LC 1-5	
				Min V _y	-5.20		0.23		0.01		0.00			0.02		-0.02	LC 1-4	
				Max V _z	-4.61		0.24		0.05		0.00			-0.00		-0.02	LC 1-5	
				Min V _z	-6.05		0.56		-2.31		-0.06			0.41		0.05	LC 1-4	
				Max M _T	-5.79		0.24		-0.03		0.00			0.04		-0.02	LC 1-5	
				Min M _T	-4.87		0.56		-2.23		-0.06			0.36		0.04	LC 1-4	
				Max M _y	-6.93		0.51		-2.02		-0.05			▷	0.47	0.05	LC 1-4	
				Min M _y	-3.73		0.29		-0.24		-0.01			▷	-0.07	-0.02	LC 1-5	
				Max M _z	-5.89		0.55		-2.20		-0.05			▷	0.45	0.05	LC 1-4	
				Min M _z	-4.77		0.25		-0.06		-0.00			▷	-0.04	-0.03	LC 1-5	
				Max N	-0.59		0.54		-0.58		-0.04			-0.06		-0.07	LC 1-4	
				Min N	-10.06		0.50		-1.12		-0.02			0.14		-0.06	LC 1-5	
Max V _y	-5.46		0.69		-1.99		-0.06			0.03		-0.06	LC 1-5					
Min V _y	-5.19		0.35		0.30		0.00			0.05		-0.07	LC 1-4					
Max V _z	-4.61		0.36		0.33		0.00			0.03		-0.07	LC 1-5					
Min V _z	-6.04		0.68		-2.03		-0.06			0.05		-0.06	LC 1-4					
Max M _T	-5.79		0.36		0.25		0.00			0.06		-0.07	LC 1-5					
Min M _T	-4.86		0.68		-1.95		-0.06			0.01		-0.06	LC 1-4					
Max M _y	-7.12		0.51		-0.91		-0.02			▷	0.21	-0.05	LC 1-4					
Min M _y	-3.53		0.53		-0.78		-0.03			▷	-0.14	-0.08	LC 1-5					
Max M _z	-6.53		0.57		-1.33		-0.04			▷	0.20	-0.05	LC 1-4					
Min M _z	-4.12		0.46		-0.36		-0.02			▷	-0.12	-0.08	LC 1-5					
Max N	-7.59		-0.03		-0.75		-0.00			0.72		-0.04	CO 13					
Min N	-10.73		0.12		-3.01		0.02			2.31		-0.07	CO 4					
Max V _y	-10.68		0.12		-3.01		0.02			2.31		-0.07	CO 8					
Min V _y	-7.64		-0.03		-0.75		-0.00			0.72		-0.04	CO 9					
Max V _z	-7.65		-0.02		-0.75		-0.00			0.72		-0.04	CO 10					
Min V _z	-10.66		0.12		-3.01		0.02			2.31		-0.07	CO 7					
Max M _T	-10.68		0.12		-3.01		0.02			2.31		-0.07	CO 1					
Min M _T	-7.64		-0.02		-0.75		-0.00			0.72		-0.04	CO 12					
Max M _y	-10.68		0.12		-3.01		0.02			2.31		-0.07	CO 8					
Min M _y	-7.64		-0.03		-0.75		-0.00			0.72		-0.04	CO 9					
155	RC1	72	0.000 Left															



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z		
155	RC1		0.000 Right	Max M _z	-7.64	-0.02	-0.75	-0.00	0.72	-0.04	CO 12
				Min M _z	-10.68	0.12	-3.01	0.02	2.31	-0.07	CO 1
				Max N	-7.59	-0.03	-0.75	-0.00	0.72	-0.04	CO 13
				Min N	-10.73	0.12	-3.01	0.02	2.31	-0.07	CO 4
				Max V _y	-10.68	0.12	-3.01	0.02	2.31	-0.07	CO 8
				Min V _y	-7.64	-0.03	-0.75	-0.00	0.72	-0.04	CO 9
				Max V _z	-7.65	-0.02	-0.75	-0.00	0.72	-0.04	CO 10
				Min V _z	-10.66	0.12	-3.01	0.02	2.31	-0.07	CO 7
				Max M _T	-10.68	0.12	-3.01	0.02	2.31	-0.07	CO 1
				Min M _T	-7.64	-0.02	-0.75	-0.00	0.72	-0.04	CO 12
				Max M _y	-10.68	0.12	-3.01	0.02	2.31	-0.07	CO 8
				Min M _y	-7.64	-0.03	-0.75	-0.00	0.72	-0.04	CO 9
				Max M _z	-7.64	-0.02	-0.75	-0.00	0.72	-0.04	CO 12
				Min M _z	-10.68	0.12	-3.01	0.02	2.31	-0.07	CO 1
				Max N	-7.55	-0.03	-0.70	-0.00	0.24	-0.03	CO 13
				Min N	-10.70	-0.13	-2.27	0.02	0.48	-0.09	CO 4
				Max V _y	-7.57	-0.03	-0.70	-0.00	0.24	-0.03	CO 14
				Min V _y	-10.68	-0.13	-2.27	0.02	0.48	-0.09	CO 3
				Max V _z	-7.62	-0.03	-0.70	-0.00	0.24	-0.03	CO 10
				Min V _z	-10.63	-0.13	-2.27	0.02	0.48	-0.09	CO 7
				Max M _T	-10.64	-0.13	-2.27	0.02	0.48	-0.09	CO 1
				Min M _T	-7.61	-0.03	-0.70	-0.00	0.24	-0.03	CO 12
				Max M _y	-10.65	-0.13	-2.27	0.02	0.48	-0.09	CO 8
				Min M _y	-7.60	-0.03	-0.70	-0.00	0.24	-0.03	CO 9
				Max M _z	-7.61	-0.03	-0.70	-0.00	0.24	-0.03	CO 12
				Min M _z	-10.64	-0.13	-2.27	0.02	0.48	-0.09	CO 1
				Max N	-7.55	-0.03	-0.70	-0.00	0.24	-0.03	CO 13
				Min N	-10.70	-0.13	-2.27	0.02	0.48	-0.09	CO 4
				Max V _y	-7.57	-0.03	-0.70	-0.00	0.24	-0.03	CO 14
				Min V _y	-10.68	-0.13	-2.27	0.02	0.48	-0.09	CO 3
				Max V _z	-7.62	-0.03	-0.70	-0.00	0.24	-0.03	CO 10
				Min V _z	-10.63	-0.13	-2.27	0.02	0.48	-0.09	CO 7
				Max M _T	-10.64	-0.13	-2.27	0.02	0.48	-0.09	CO 1
				Min M _T	-7.61	-0.03	-0.70	-0.00	0.24	-0.03	CO 12
				Max M _y	-10.65	-0.13	-2.27	0.02	0.48	-0.09	CO 8
				Min M _y	-7.60	-0.03	-0.70	-0.00	0.24	-0.03	CO 9
				Max M _z	-7.61	-0.03	-0.70	-0.00	0.24	-0.03	CO 12
				Min M _z	-10.64	-0.13	-2.27	0.02	0.48	-0.09	CO 1
				Max N	-7.54	-0.03	-0.66	-0.00	-0.05	-0.02	CO 13
				Min N	-10.68	-0.41	-1.42	0.02	-0.29	0.02	CO 4
				Max V _y	-7.55	-0.03	-0.66	-0.00	-0.05	-0.02	CO 14
				Min V _y	-10.66	-0.41	-1.42	0.02	-0.29	0.02	CO 3
				Max V _z	-7.60	-0.03	-0.66	-0.00	-0.05	-0.02	CO 10
				Min V _z	-10.61	-0.41	-1.42	0.02	-0.29	0.02	CO 7
				Max M _T	-10.63	-0.41	-1.42	0.02	-0.29	0.02	CO 1
				Min M _T	-7.59	-0.03	-0.66	-0.00	-0.05	-0.02	CO 12
				Max M _y	-7.55	-0.03	-0.66	-0.00	-0.05	-0.02	CO 14
				Min M _y	-10.66	-0.41	-1.42	0.02	-0.29	0.02	CO 3
				Max M _z	-10.66	-0.41	-1.42	0.02	-0.29	0.02	CO 3
				Min M _z	-7.55	-0.03	-0.66	-0.00	-0.05	-0.02	CO 14
				Max N	-7.54	-0.03	-0.66	-0.00	-0.05	-0.02	CO 13
				Min N	-10.68	-0.41	-1.42	0.02	-0.29	0.02	CO 4
				Max V _y	-7.55	-0.03	-0.66	-0.00	-0.05	-0.02	CO 14
				Min V _y	-10.66	-0.41	-1.42	0.02	-0.29	0.02	CO 3
				Max V _z	-7.60	-0.03	-0.66	-0.00	-0.05	-0.02	CO 10
				Min V _z	-10.61	-0.41	-1.42	0.02	-0.29	0.02	CO 7
				Max M _T	-10.63	-0.41	-1.42	0.02	-0.29	0.02	CO 1
				Min M _T	-7.59	-0.03	-0.66	-0.00	-0.05	-0.02	CO 12
				Max M _y	-7.55	-0.03	-0.66	-0.00	-0.05	-0.02	CO 14
				Min M _y	-10.66	-0.41	-1.42	0.02	-0.29	0.02	CO 3
				Max M _z	-10.66	-0.41	-1.42	0.02	-0.29	0.02	CO 3
				Min M _z	-7.55	-0.03	-0.66	-0.00	-0.05	-0.02	CO 14
				Max N	-5.43	-0.02	-0.52	-0.00	0.49	-0.03	CO 27
				Min N	-7.75	0.09	-2.19	0.01	1.67	-0.05	CO 18
				Max V _y	-7.72	0.09	-2.20	0.01	1.67	-0.05	CO 22
				Min V _y	-5.46	-0.02	-0.52	-0.00	0.49	-0.03	CO 23
				Max V _z	-5.48	-0.02	-0.52	-0.00	0.49	-0.03	CO 24
				Min V _z	-7.70	0.09	-2.20	0.01	1.67	-0.05	CO 21
				Max M _T	-7.71	0.09	-2.20	0.01	1.67	-0.05	CO 15
				Min M _T	-5.47	-0.02	-0.52	-0.00	0.49	-0.03	CO 26
				Max M _y	-7.72	0.09	-2.20	0.01	1.67	-0.05	CO 22
				Min M _y	-5.46	-0.02	-0.52	-0.00	0.49	-0.03	CO 23
				Max M _z	-5.47	-0.02	-0.52	-0.00	0.49	-0.03	CO 26
				Min M _z	-7.71	0.09	-2.20	0.01	1.67	-0.05	CO 15
				Max N	-5.40	-0.02	-0.48	-0.00	0.16	-0.02	CO 27
				Min N	-7.73	-0.10	-1.64	0.01	0.34	-0.07	CO 18
				Max V _y	-5.42	-0.02	-0.48	-0.00	0.16	-0.02	CO 28
				Min V _y	-7.71	-0.10	-1.64	0.01	0.34	-0.07	CO 17
				Max V _z	-5.45	-0.02	-0.48	-0.00	0.16	-0.02	CO 24
				Min V _z	-7.68	-0.10	-1.64	0.01	0.34	-0.07	CO 21

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding		
				N	V _y	V _z	M _T	M _y	M _z	Load Cases			
155	RC2		0.662 Right	Max M _T	-7.69	-0.10	-1.64	▷	0.01	0.34	-0.07	CO 15	
				Min M _T	-5.44	-0.02	-0.48	▷	-0.00	0.16	-0.02	CO 26	
				Max M _y	-7.69	-0.10	-1.64	▷	0.01	0.34	-0.07	CO 22	
				Min M _y	-5.44	-0.02	-0.48	▷	-0.00	0.16	-0.02	CO 23	
				Max M _z	-5.44	-0.02	-0.48	▷	-0.00	0.16	-0.02	CO 26	
				Min M _z	-7.69	-0.10	-1.64	▷	0.01	0.34	-0.07	CO 15	
				Max N	-5.40	-0.02	-0.48	▷	-0.00	0.16	-0.02	CO 27	
				Min N	-7.73	-0.10	-1.64	▷	0.01	0.34	-0.07	CO 18	
				Max V _y	-5.42	▷	-0.02	-0.48	▷	-0.00	0.16	-0.02	CO 28
				Min V _y	-7.71	▷	-0.10	-1.64	▷	0.01	0.34	-0.07	CO 17
				Max V _z	-5.45	-0.02	▷	-0.48	▷	-0.00	0.16	-0.02	CO 24
				Min V _z	-7.68	-0.10	▷	-1.64	▷	0.01	0.34	-0.07	CO 21
				Max M _T	-7.69	-0.10	-1.64	▷	0.01	0.34	-0.07	CO 15	
				Min M _T	-5.44	-0.02	-0.48	▷	-0.00	0.16	-0.02	CO 26	
				Max M _y	-7.69	-0.10	-1.64	▷	0.01	0.34	-0.07	CO 22	
				Min M _y	-5.44	-0.02	-0.48	▷	-0.00	0.16	-0.02	CO 23	
				Max M _z	-5.44	-0.02	-0.48	▷	-0.00	0.16	-0.02	CO 26	
				Min M _z	-7.69	-0.10	-1.64	▷	0.01	0.34	-0.07	CO 15	
				Max N	-5.39	-0.02	-0.45	▷	-0.00	-0.03	-0.01	CO 27	
				Min N	-7.71	-0.30	-1.01	▷	0.01	-0.21	0.02	CO 18	
				Max V _y	-5.40	▷	-0.02	-0.45	▷	-0.00	-0.03	-0.01	CO 28
				Min V _y	-7.70	▷	-0.31	-1.01	▷	0.01	-0.21	0.02	CO 17
				Max V _z	-5.44	-0.02	▷	-0.45	▷	-0.00	-0.03	-0.01	CO 24
				Min V _z	-7.66	-0.31	▷	-1.01	▷	0.01	-0.21	0.02	CO 21
				Max M _T	-7.68	-0.31	-1.01	▷	0.01	-0.21	0.02	CO 15	
				Min M _T	-5.43	-0.02	-0.45	▷	-0.00	-0.03	-0.01	CO 26	
				Max M _y	-5.40	-0.02	-0.45	▷	-0.00	-0.03	-0.01	CO 28	
				Min M _y	-7.70	-0.31	-1.01	▷	0.01	-0.21	0.02	CO 17	
				Max M _z	-7.70	-0.31	-1.01	▷	0.01	-0.21	0.02	CO 17	
				Min M _z	-5.40	-0.02	-0.45	▷	-0.00	-0.03	-0.01	CO 28	
		Max N	-5.39	-0.02	-0.45	▷	-0.00	-0.03	-0.01	CO 27			
		Min N	-7.71	-0.30	-1.01	▷	0.01	-0.21	0.02	CO 18			
		Max V _y	-5.40	▷	-0.02	-0.45	▷	-0.00	-0.03	-0.01	CO 28		
		Min V _y	-7.70	▷	-0.31	-1.01	▷	0.01	-0.21	0.02	CO 17		
		Max V _z	-5.44	-0.02	▷	-0.45	▷	-0.00	-0.03	-0.01	CO 24		
		Min V _z	-7.66	-0.31	▷	-1.01	▷	0.01	-0.21	0.02	CO 21		
		Max M _T	-7.68	-0.31	-1.01	▷	0.01	-0.21	0.02	CO 15			
		Min M _T	-5.43	-0.02	-0.45	▷	-0.00	-0.03	-0.01	CO 26			
		Max M _y	-5.40	-0.02	-0.45	▷	-0.00	-0.03	-0.01	CO 28			
		Min M _y	-7.70	-0.31	-1.01	▷	0.01	-0.21	0.02	CO 17			
		Max M _z	-7.70	-0.31	-1.01	▷	0.01	-0.21	0.02	CO 17			
		Min M _z	-5.40	-0.02	-0.45	▷	-0.00	-0.03	-0.01	CO 28			
		Max N	-4.31	0.13	-1.75	0.01	1.23	-0.02	LC 1-5				
		Min N	-10.04	0.05	-2.01	0.01	1.38	-0.05	LC 1-4				
		Max V _y	-4.60	0.13	-1.75	0.02	1.23	-0.02	LC 1-5				
		Min V _y	-9.75	0.05	-2.01	0.01	1.38	-0.05	LC 1-4				
		Max V _z	-5.71	0.11	-1.56	0.01	1.10	-0.02	LC 1-5				
		Min V _z	-8.64	0.07	-2.20	0.02	1.51	-0.05	LC 1-4				
		Max M _T	-6.38	0.11	-2.15	▷	1.39	-0.03	LC 1-4				
		Min M _T	-7.97	0.07	-1.61	▷	1.23	-0.03	LC 1-5				
		Max M _y	-8.11	0.08	-2.14	0.02	1.56	-0.05	LC 1-5				
		Min M _y	-6.24	0.10	-1.61	▷	1.06	-0.02	LC 1-4				
		Max M _z	-4.85	0.12	-1.63	0.01	1.12	▷	LC 1-5				
		Min M _z	-9.50	0.06	-2.12	0.01	1.50	▷	LC 1-4				
		Max N	-4.31	0.13	-1.75	0.01	1.23	-0.02	LC 1-5				
		Min N	-10.04	0.05	-2.01	0.01	1.38	-0.05	LC 1-4				
		Max V _y	-4.60	0.13	-1.75	0.02	1.23	-0.02	LC 1-5				
		Min V _y	-9.75	0.05	-2.01	0.01	1.38	-0.05	LC 1-4				
		Max V _z	-5.71	0.11	-1.56	0.01	1.10	-0.02	LC 1-5				
		Min V _z	-8.64	0.07	-2.20	0.02	1.51	-0.05	LC 1-4				
		Max M _T	-6.38	0.11	-2.15	▷	1.39	-0.03	LC 1-4				
		Min M _T	-7.97	0.07	-1.61	▷	1.23	-0.03	LC 1-5				
		Max M _y	-8.11	0.08	-2.14	0.02	1.56	-0.05	LC 1-5				
		Min M _y	-6.24	0.10	-1.61	▷	1.06	-0.02	LC 1-4				
		Max M _z	-4.85	0.12	-1.63	0.01	1.12	▷	LC 1-5				
		Min M _z	-9.50	0.06	-2.12	0.01	1.50	▷	LC 1-4				
		Max N	-4.29	-0.06	-1.18	0.01	0.21	-0.06	LC 1-5				
		Min N	-10.02	-0.13	-1.44	0.01	0.19	-0.04	LC 1-4				
		Max V _y	-4.58	▷	-0.05	-1.18	0.01	-0.04	LC 1-4				
		Min V _y	-9.73	▷	-0.13	-1.44	0.01	-0.04	LC 1-4				
		Max V _z	-5.69	-0.08	▷	-0.99	0.01	-0.04	LC 1-5				
		Min V _z	-8.62	-0.11	▷	-1.63	0.02	-0.06	LC 1-4				
		Max M _T	-6.36	-0.07	-1.58	▷	0.10	-0.07	LC 1-4				
		Min M _T	-7.95	-0.12	-1.04	▷	0.30	-0.04	LC 1-5				
		Max M _y	-7.66	-0.11	-1.20	▷	0.36	-0.05	LC 1-5				
		Min M _y	-6.65	-0.08	-1.42	▷	0.04	-0.06	LC 1-4				
		Max M _z	-8.36	-0.12	-1.07	0.00	0.24	▷	LC 1-5				
		Min M _z	-5.94	-0.06	-1.55	0.02	0.16	▷	LC 1-4				
		Max N	-4.29	-0.06	-1.18	0.01	0.21	-0.06	LC 1-5				
		Min N	-10.02	-0.13	-1.44	0.01	0.19	-0.04	LC 1-4				
		Max V _y	-4.58	▷	-0.05	-1.18	0.02	-0.06	LC 1-5				
		Min V _y	-9.73	▷	-0.13	-1.44	0.01	-0.04	LC 1-4				
		Max V _z	-5.69	-0.08	▷	-0.99	0.01	-0.04	LC 1-5				
		Min V _z	-8.62	-0.11	▷	-1.63	0.02	-0.06	LC 1-4				
		Max M _T	-6.36	-0.07	-1.58	▷	0.10	-0.07	LC 1-4				
		Min M _T	-7.95	-0.12	-1.04	▷	0.30	-0.04	LC 1-5				
		Max M _y	-7.66	-0.11	-1.20	▷	0.36	-0.05	LC 1-5				
		Min M _y	-6.65	-0.08	-1.42	▷	0.04	-0.06	LC 1-4				
		Max M _z	-8.36	-0.12	-1.07	0.00	0.24	▷	LC 1-5				
		Min M _z	-5.94	-0.06	-1.55	0.02	0.16	▷	LC 1-4				
		Max N	-4.27	-0.26	-0.55	0.01	-0.15	0.01	LC 1-5				
		Min N	-10.01	-0.34	-0.81	0.01	-0.28	0.05	LC 1-4				



4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases				
					N	V _y	V _z	M _T	M _y	M _z					
155	RC6	137	1.082 Right	Max V _y	-4.56	▷	-0.26	-0.55	0.02	-0.15	0.01	LC 1-5			
				Min V _y	-9.72	▷	-0.34	-0.81	0.01	-0.28	0.06	LC 1-4			
				Max V _z	-5.68		-0.28	▷	-0.36	0.01	-0.07	0.03	LC 1-5		
				Min V _z	-8.60		-0.32	▷	-1.00	0.02	-0.36	0.03	LC 1-4		
				Max M _T	-6.35		-0.28		-0.95	▷	0.02	-0.42	0.01	LC 1-4	
				Min M _T	-7.93		-0.32		-0.41	▷	0.00	-0.01	0.06	LC 1-5	
				Max M _y	-7.41		-0.32		-0.43	0.00	▷	0.02	0.05	LC 1-5	
				Min M _y	-6.87		-0.29		-0.93	0.02	▷	-0.45	0.02	LC 1-4	
				Max M _z	-8.82		-0.34		-0.51	0.00		-0.08	▷	0.06	LC 1-4
				Min M _z	-5.46		-0.27		-0.85	0.02		-0.35	▷	0.00	LC 1-5
				Max N	-4.27	▷	-0.26		-0.55	0.01		-0.15		0.01	LC 1-5
				Min N	-10.01	▷	-0.34		-0.81	0.01		-0.28		0.05	LC 1-4
				Max V _y	-4.56	▷	-0.26		-0.55	0.02		-0.15		0.01	LC 1-5
				Min V _y	-9.72	▷	-0.34		-0.81	0.01		-0.28		0.06	LC 1-4
				Max V _z	-5.68		-0.28	▷	-0.36	0.01		-0.07		0.03	LC 1-5
				Min V _z	-8.60		-0.32	▷	-1.00	0.02		-0.36		0.03	LC 1-4
				Max M _T	-6.35		-0.28		-0.95	▷	0.02	-0.42		0.01	LC 1-4
				Min M _T	-7.93		-0.32		-0.41	▷	0.00	-0.01		0.06	LC 1-5
				Max M _y	-7.41		-0.32		-0.43	0.00	▷	0.02		0.05	LC 1-5
				Min M _y	-6.87		-0.29		-0.93	0.02	▷	-0.45		0.02	LC 1-4
				Max M _z	-8.82		-0.34		-0.51	0.00		-0.08	▷	0.06	LC 1-4
				Min M _z	-5.46		-0.27		-0.85	0.02		-0.35	▷	0.00	LC 1-5
157	RC1	101	0.000 Left	Max N	3.47	▷	-0.05	0.25	-0.01	-0.09	-0.11	CO 12			
				Min N	-3.10	▷	-0.20	0.22	-0.02	-1.13	-0.48	CO 1			
				Max V _y	3.45	▷	-0.05	0.25	-0.01	-0.09	-0.11	CO 14			
				Min V _y	-3.03	▷	-0.20	0.22	-0.02	-1.13	-0.48	CO 5			
				Max V _z	3.43		-0.05	▷	0.25	-0.01	-0.09	-0.11	CO 13		
				Min V _z	-3.06		-0.20	▷	0.22	-0.02	-1.13	-0.48	CO 4		
				Max M _T	3.45		-0.05	▷	0.25	-0.01	-0.09	-0.11	CO 11		
				Min M _T	-3.03		-0.20	▷	0.22	-0.02	-1.13	-0.48	CO 8		
				Max M _y	3.42		-0.05	▷	0.25	-0.01	-0.09	-0.11	CO 10		
				Min M _y	-3.05		-0.20	▷	0.22	-0.02	-1.13	-0.48	CO 7		
				Max M _z	3.45		-0.05	▷	0.25	-0.01	-0.09	-0.11	CO 14		
				Min M _z	-3.08		-0.20	▷	0.22	-0.02	-1.13	-0.48	CO 3		
			0.000 Right	Max N	3.47	▷	-0.05	0.25	-0.01	-0.09	-0.11	CO 12			
				Min N	-3.10	▷	-0.20	0.22	-0.02	-1.13	-0.48	CO 1			
				Max V _y	3.45	▷	-0.05	0.25	-0.01	-0.09	-0.11	CO 14			
				Min V _y	-3.03	▷	-0.20	0.22	-0.02	-1.13	-0.48	CO 5			
				Max V _z	3.43		-0.05	▷	0.25	-0.01	-0.09	-0.11	CO 13		
				Min V _z	-3.06		-0.20	▷	0.22	-0.02	-1.13	-0.48	CO 4		
				Max M _T	3.45		-0.05	▷	0.25	-0.01	-0.09	-0.11	CO 11		
				Min M _T	-3.03		-0.20	▷	0.22	-0.02	-1.13	-0.48	CO 8		
				Max M _y	3.42		-0.05	▷	0.25	-0.01	-0.09	-0.11	CO 10		
				Min M _y	-3.05		-0.20	▷	0.22	-0.02	-1.13	-0.48	CO 7		
				Max M _z	3.45		-0.05	▷	0.25	-0.01	-0.09	-0.11	CO 14		
				Min M _z	-3.08		-0.20	▷	0.22	-0.02	-1.13	-0.48	CO 3		
			0.464 Left	Max N	3.44	▷	-0.05	0.29	-0.01	0.03	-0.09	CO 12			
				Min N	-3.13	▷	-0.21	0.47	-0.02	-0.99	-0.39	CO 1			
				Max V _y	3.42	▷	-0.05	0.29	-0.01	0.03	-0.09	CO 14			
				Min V _y	-3.06	▷	-0.21	0.47	-0.02	-0.99	-0.39	CO 5			
				Max V _z	-3.08		-0.21	▷	0.47	-0.02	-0.99	-0.39	CO 7		
				Min V _z	3.39		-0.05	▷	0.29	-0.01	0.03	-0.09	CO 10		
				Max M _T	3.42		-0.05	▷	0.29	-0.01	0.03	-0.09	CO 11		
				Min M _T	-3.06		-0.21	▷	0.47	-0.02	-0.99	-0.39	CO 8		
				Max M _y	3.37		-0.05	▷	0.29	-0.01	0.03	-0.09	CO 9		
				Min M _y	-3.06		-0.21	▷	0.47	-0.02	-0.99	-0.39	CO 8		
				Max M _z	3.42		-0.05	▷	0.29	-0.01	0.03	-0.09	CO 14		
				Min M _z	-3.11		-0.21	▷	0.47	-0.02	-0.99	-0.39	CO 3		
			0.464 Right	Max N	3.44	▷	-0.05	0.29	-0.01	0.03	-0.09	CO 12			
				Min N	-3.13	▷	-0.21	0.47	-0.02	-0.99	-0.39	CO 1			
				Max V _y	3.42	▷	-0.05	0.29	-0.01	0.03	-0.09	CO 14			
				Min V _y	-3.06	▷	-0.21	0.47	-0.02	-0.99	-0.39	CO 5			
				Max V _z	-3.08		-0.21	▷	0.47	-0.02	-0.99	-0.39	CO 7		
				Min V _z	3.39		-0.05	▷	0.29	-0.01	0.03	-0.09	CO 10		
				Max M _T	3.42		-0.05	▷	0.29	-0.01	0.03	-0.09	CO 11		
				Min M _T	-3.06		-0.21	▷	0.47	-0.02	-0.99	-0.39	CO 8		
				Max M _y	3.37		-0.05	▷	0.29	-0.01	0.03	-0.09	CO 9		
				Min M _y	-3.06		-0.21	▷	0.47	-0.02	-0.99	-0.39	CO 8		
				Max M _z	3.42		-0.05	▷	0.29	-0.01	0.03	-0.09	CO 14		
				Min M _z	-3.11		-0.21	▷	0.47	-0.02	-0.99	-0.39	CO 3		
			1.729 Left	Max N	3.37	▷	-0.05	0.39	-0.01	0.47	-0.02	CO 12			
				Min N	-3.20	▷	-0.22	1.76	-0.02	0.42	-0.12	CO 1			
				Max V _y	3.35	▷	-0.05	0.39	-0.01	0.47	-0.02	CO 14			
				Min V _y	-3.18	▷	-0.22	1.76	-0.02	0.43	-0.12	CO 3			
				Max V _z	-3.15		-0.22	▷	1.76	-0.02	0.42	-0.12	CO 7		
				Min V _z	3.32		-0.05	▷	0.39	-0.01	0.47	-0.02	CO 10		
				Max M _T	3.35		-0.05	▷	0.39	-0.01	0.47	-0.02	CO 11		
				Min M _T	-3.13		-0.21	▷	1.76	-0.02	0.42	-0.12	CO 8		
				Max M _y	3.30		-0.05	▷	0.39	-0.01	0.47	-0.02	CO 9		
				Min M _y	-3.18		-0.21	▷	1.76	-0.02	0.42	-0.12	CO 2		
				Max M _z	3.35		-0.05	▷	0.39	-0.01	0.47	-0.02	CO 14		
				Min M _z	-3.18		-0.22	▷	1.76	-0.02	0.43	-0.12	CO 3		
		1.729 Right	Max N	3.37	▷	-0.05	0.39	-0.01	0.47	-0.02	CO 12				
			Min N	-3.20	▷	-0.22	1.76	-0.02	0.42	-0.12	CO 1				
			Max V _y	3.35	▷	-0.05	0.39	-0.01	0.47	-0.02	CO 14				
			Min V _y	-3.18	▷	-0.22	1.76	-0.02	0.43	-0.12	CO 3				
			Max V _z	-3.15		-0.22	▷	1.76	-0.02	0.42	-0.12	CO 7			
			Min V _z	3.32		-0.05	▷	0.39	-0.01	0.47	-0.02	CO 10			
			Max M _T	3.35		-0.05	▷	0.39	-0.01	0.47	-0.02	CO 11			
			Min M _T	-3.13		-0.21	▷	1.76	-0.02	0.42	-0.12	CO 8			
			Max M _y	3.30		-0.05	▷	0.39	-0.01	0.47	-0.02	CO 9			
			Min M _y	-3.18		-0.21	▷	1.76	-0.02	0.42	-0.12	CO 2			
			Max M _z	3.35		-0.05	▷	0.39	-0.01	0.47	-0.02	CO 14			
			Min M _z	-3.18		-0.22	▷	1.76	-0.02	0.43	-0.12	CO 3			

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
157	RC1	101	0.000 Left	Max M _z	3.35	-0.05	0.39	-0.01	0.47	-0.02	CO 14
	Min M _z			-3.18	-0.22	1.76	-0.02	0.43	-0.12	CO 3	
	Max N			2.82	-0.04	0.16	-0.00	-0.05	-0.08	CO 26	
	Min N			-2.04	-0.15	0.13	-0.02	-0.82	-0.35	CO 15	
	Max V _y			2.81	-0.04	0.16	-0.00	-0.05	-0.08	CO 28	
	Min V _y			-1.99	-0.15	0.13	-0.02	-0.82	-0.35	CO 19	
	Max V _z			2.79	-0.04	0.16	-0.00	-0.05	-0.08	CO 27	
	Min V _z			-2.01	-0.15	0.13	-0.02	-0.82	-0.35	CO 18	
	Max M _T			2.81	-0.04	0.16	-0.00	-0.05	-0.08	CO 25	
	Min M _T			-1.99	-0.15	0.13	-0.02	-0.82	-0.35	CO 22	
	Max M _y			2.78	-0.04	0.16	-0.00	-0.05	-0.08	CO 24	
	Min M _y			-2.00	-0.15	0.13	-0.02	-0.82	-0.35	CO 21	
	Max M _z			2.81	-0.04	0.16	-0.00	-0.05	-0.08	CO 28	
	Min M _z			-1.99	-0.15	0.13	-0.02	-0.82	-0.35	CO 19	
	Max N			2.82	-0.04	0.16	-0.00	-0.05	-0.08	CO 26	
	Min N			-2.04	-0.15	0.13	-0.02	-0.82	-0.35	CO 15	
	Max V _y			2.81	-0.04	0.16	-0.00	-0.05	-0.08	CO 28	
	Min V _y			-1.99	-0.15	0.13	-0.02	-0.82	-0.35	CO 19	
	Max V _z			2.79	-0.04	0.16	-0.00	-0.05	-0.08	CO 27	
	Min V _z			-2.01	-0.15	0.13	-0.02	-0.82	-0.35	CO 18	
	Max M _T			2.81	-0.04	0.16	-0.00	-0.05	-0.08	CO 25	
	Min M _T			-1.99	-0.15	0.13	-0.02	-0.82	-0.35	CO 22	
	Max M _y			2.78	-0.04	0.16	-0.00	-0.05	-0.08	CO 24	
	Min M _y			-2.00	-0.15	0.13	-0.02	-0.82	-0.35	CO 21	
	Max M _z			2.81	-0.04	0.16	-0.00	-0.05	-0.08	CO 28	
	Min M _z			-1.99	-0.15	0.13	-0.02	-0.82	-0.35	CO 19	
	Max N			2.80	-0.04	0.19	-0.00	0.03	-0.06	CO 26	
	Min N			-2.06	-0.15	0.32	-0.02	-0.73	-0.28	CO 15	
	Max V _y			2.79	-0.04	0.19	-0.00	0.03	-0.06	CO 28	
	Min V _y			-2.01	-0.15	0.32	-0.02	-0.73	-0.28	CO 19	
	Max V _z			-2.02	-0.15	0.32	-0.02	-0.73	-0.28	CO 21	
	Min V _z			2.76	-0.04	0.19	-0.00	0.03	-0.06	CO 24	
	Max M _T			2.79	-0.04	0.19	-0.00	0.03	-0.06	CO 25	
	Min M _T			-2.01	-0.15	0.32	-0.02	-0.73	-0.28	CO 22	
	Max M _y			2.75	-0.04	0.19	-0.00	0.03	-0.06	CO 23	
	Min M _y			-2.01	-0.15	0.32	-0.02	-0.73	-0.28	CO 22	
	Max M _z			2.79	-0.04	0.19	-0.00	0.03	-0.06	CO 28	
	Min M _z			-2.04	-0.15	0.32	-0.02	-0.73	-0.28	CO 17	
	Max N			2.80	-0.04	0.19	-0.00	0.03	-0.06	CO 26	
	Min N			-2.06	-0.15	0.32	-0.02	-0.73	-0.28	CO 15	
	Max V _y			2.79	-0.04	0.19	-0.00	0.03	-0.06	CO 28	
	Min V _y			-2.01	-0.15	0.32	-0.02	-0.73	-0.28	CO 19	
	Max V _z			-2.02	-0.15	0.32	-0.02	-0.73	-0.28	CO 21	
	Min V _z			2.76	-0.04	0.19	-0.00	0.03	-0.06	CO 24	
	Max M _T			2.79	-0.04	0.19	-0.00	0.03	-0.06	CO 25	
	Min M _T			-2.01	-0.15	0.32	-0.02	-0.73	-0.28	CO 22	
	Max M _y			2.75	-0.04	0.19	-0.00	0.03	-0.06	CO 23	
	Min M _y			-2.01	-0.15	0.32	-0.02	-0.73	-0.28	CO 22	
	Max M _z			2.79	-0.04	0.19	-0.00	0.03	-0.06	CO 28	
	Min M _z			-2.04	-0.15	0.32	-0.02	-0.73	-0.28	CO 17	
	Max N			2.75	-0.03	0.26	-0.00	0.31	-0.02	CO 26	
	Min N			-2.11	-0.16	1.27	-0.01	0.28	-0.09	CO 15	
	Max V _y			2.73	-0.03	0.26	-0.00	0.31	-0.02	CO 28	
	Min V _y			-2.11	-0.16	1.27	-0.01	0.28	-0.09	CO 15	
	Max V _z			-2.07	-0.16	1.27	-0.01	0.28	-0.09	CO 21	
	Min V _z			2.71	-0.03	0.26	-0.00	0.31	-0.02	CO 24	
	Max M _T			2.73	-0.03	0.26	-0.00	0.31	-0.02	CO 25	
	Min M _T			-2.10	-0.16	1.27	-0.01	0.28	-0.09	CO 16	
	Max M _y			2.73	-0.03	0.26	-0.00	0.31	-0.02	CO 25	
	Min M _y			-2.10	-0.16	1.27	-0.01	0.28	-0.09	CO 16	
Max M _z	2.72	-0.03	0.26	-0.00	0.31	-0.02	CO 27				
Min M _z	-2.10	-0.16	1.27	-0.01	0.28	-0.09	CO 17				
Max N	2.75	-0.03	0.26	-0.00	0.31	-0.02	CO 26				
Min N	-2.11	-0.16	1.27	-0.01	0.28	-0.09	CO 15				
Max V _y	2.73	-0.03	0.26	-0.00	0.31	-0.02	CO 28				
Min V _y	-2.11	-0.16	1.27	-0.01	0.28	-0.09	CO 15				
Max V _z	-2.07	-0.16	1.27	-0.01	0.28	-0.09	CO 21				
Min V _z	2.71	-0.03	0.26	-0.00	0.31	-0.02	CO 24				
Max M _T	2.73	-0.03	0.26	-0.00	0.31	-0.02	CO 25				
Min M _T	-2.10	-0.16	1.27	-0.01	0.28	-0.09	CO 16				
Max M _y	2.73	-0.03	0.26	-0.00	0.31	-0.02	CO 25				
Min M _y	-2.10	-0.16	1.27	-0.01	0.28	-0.09	CO 16				
Max M _z	2.72	-0.03	0.26	-0.00	0.31	-0.02	CO 27				
Min M _z	-2.10	-0.16	1.27	-0.01	0.28	-0.09	CO 17				
Max N	9.03	-0.12	-0.38	-0.01	-0.56	-0.29	LC 1-5				
Min N	-4.69	-0.14	0.10	-0.01	-0.72	-0.29	LC 1-4				
Max V _y	1.65	0.34	-0.13	-0.02	-0.60	0.12	LC 1-5				
Min V _y	2.70	-0.59	-0.15	-0.00	-0.68	-0.70	LC 1-4				
Max V _z	-3.83	-0.14	0.13	-0.01	-0.76	-0.31	LC 1-4				
Min V _z	8.17	-0.12	-0.41	-0.01	-0.52	-0.27	LC 1-5				
Max M _T	5.36	-0.32	-0.20	0.00	-0.56	-0.49	LC 1-5				
Min M _T	-1.01	0.06	-0.08	-0.02	-0.72	-0.09	LC 1-4				
Max M _y	5.27	-0.08	-0.29	-0.01	-0.32	-0.18	LC 1-5				
Min M _y	-0.92	-0.18	0.01	-0.01	-0.96	-0.41	LC 1-4				
Max M _z	1.66	0.32	-0.15	-0.02	-0.55	0.13	LC 1-5				
Min M _z	2.69	-0.58	-0.13	-0.00	-0.73	-0.71	LC 1-4				
Max N	9.03	-0.12	-0.38	-0.01	-0.56	-0.29	LC 1-5				
Min N	-4.69	-0.14	0.10	-0.01	-0.72	-0.29	LC 1-4				
Max V _y	1.65	0.34	-0.13	-0.02	-0.60	0.12	LC 1-5				
Min V _y	2.70	-0.59	-0.15	-0.00	-0.68	-0.70	LC 1-4				
Max V _z	-3.83	-0.14	0.13	-0.01	-0.76	-0.31	LC 1-4				
Min V _z	8.17	-0.12	-0.41	-0.01	-0.52	-0.27	LC 1-5				

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]				Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z				
157	RC6		0.464 Left	Max M _T	5.36	-0.32	-0.20	0.00	-0.56	-0.49	LC 1-5		
				Min M _T	-1.01	0.06	-0.08	-0.02	-0.72	-0.09	LC 1-4		
				Max M _y	5.27	-0.08	-0.29	-0.01	-0.32	-0.48	LC 1-5		
				Min M _y	-0.92	-0.18	0.01	-0.01	-0.96	-0.41	LC 1-4		
				Max M _z	1.66	0.32	-0.15	-0.02	-0.55	0.13	LC 1-5		
				Min M _z	2.69	-0.58	-0.13	-0.00	-0.73	-0.71	LC 1-4		
				Max N	9.01	-0.12	-0.19	-0.01	-0.71	-0.23	LC 1-5		
				Min N	-4.71	-0.14	0.29	-0.01	-0.64	-0.23	LC 1-4		
				Max V _y	1.63	0.34	0.06	-0.02	-0.63	-0.04	LC 1-5		
				Min V _y	2.68	-0.59	0.04	-0.00	-0.72	-0.42	LC 1-4		
				Max V _z	-3.85	-0.14	0.31	-0.01	-0.67	-0.25	LC 1-4		
				Min V _z	8.15	-0.12	-0.22	-0.01	-0.68	-0.22	LC 1-5		
				Max M _T	5.34	-0.32	-0.01	0.00	-0.62	-0.34	LC 1-5		
				Min M _T	-1.03	0.06	0.10	-0.02	-0.73	-0.12	LC 1-4		
				Max M _y	2.64	-0.06	0.00	-0.01	-0.40	-0.13	LC 1-4		
				Min M _y	1.67	-0.20	0.09	-0.01	-0.95	-0.33	LC 1-5		
				Max M _z	1.66	0.29	0.02	-0.02	-0.55	-0.02	LC 1-5		
				Min M _z	2.64	-0.54	0.07	-0.00	-0.80	-0.45	LC 1-4		
				Max N	9.01	-0.12	-0.19	-0.01	-0.71	-0.23	LC 1-5		
				Min N	-4.71	-0.14	0.29	-0.01	-0.64	-0.23	LC 1-4		
			Max V _y	1.63	0.34	0.06	-0.02	-0.63	-0.04	LC 1-5			
			Min V _y	2.68	-0.59	0.04	-0.00	-0.72	-0.42	LC 1-4			
			Max V _z	-3.85	-0.14	0.31	-0.01	-0.67	-0.25	LC 1-4			
			Min V _z	8.15	-0.12	-0.22	-0.01	-0.68	-0.22	LC 1-5			
			Max M _T	5.34	-0.32	-0.01	0.00	-0.62	-0.34	LC 1-5			
			Min M _T	-1.03	0.06	0.10	-0.02	-0.73	-0.12	LC 1-4			
			Max M _y	2.64	-0.06	0.00	-0.01	-0.40	-0.13	LC 1-4			
			Min M _y	1.67	-0.20	0.09	-0.01	-0.95	-0.33	LC 1-5			
			Max M _z	1.66	0.29	0.02	-0.02	-0.55	-0.02	LC 1-5			
			Min M _z	2.64	-0.54	0.07	-0.00	-0.80	-0.45	LC 1-4			
			Max N	8.96	-0.12	0.76	-0.01	-0.35	-0.08	LC 1-5			
			Min N	-4.76	-0.14	1.24	-0.01	0.32	-0.06	LC 1-4			
			Max V _y	1.57	0.34	1.01	-0.02	0.04	-0.46	LC 1-5			
			Min V _y	2.63	-0.59	0.99	-0.00	-0.07	0.33	LC 1-4			
			Max V _z	-3.90	-0.14	1.26	-0.01	0.32	-0.08	LC 1-4			
			Min V _z	8.10	-0.12	0.73	-0.01	-0.36	-0.06	LC 1-5			
			Max M _T	5.28	-0.32	0.94	0.00	-0.04	0.05	LC 1-5			
			Min M _T	-1.09	0.06	1.06	-0.02	0.01	-0.19	LC 1-4			
			Max M _y	-3.09	-0.11	1.22	-0.01	0.39	-0.07	LC 1-4			
			Min M _y	7.29	-0.15	0.78	-0.01	-0.42	-0.07	LC 1-5			
			Max M _z	2.80	-0.58	0.97	-0.01	-0.05	0.34	LC 1-5			
		Min M _z	1.40	0.32	1.03	-0.01	0.02	-0.48	LC 1-4				
		Max N	8.96	-0.12	0.76	-0.01	-0.35	-0.08	LC 1-5				
		Min N	-4.76	-0.14	1.24	-0.01	0.32	-0.06	LC 1-4				
		Max V _y	1.57	0.34	1.01	-0.02	0.04	-0.46	LC 1-5				
		Min V _y	2.63	-0.59	0.99	-0.00	-0.07	0.33	LC 1-4				
		Max V _z	-3.90	-0.14	1.26	-0.01	0.32	-0.08	LC 1-4				
		Min V _z	8.10	-0.12	0.73	-0.01	-0.36	-0.06	LC 1-5				
		Max M _T	5.28	-0.32	0.94	0.00	-0.04	0.05	LC 1-5				
		Min M _T	-1.09	0.06	1.06	-0.02	0.01	-0.19	LC 1-4				
		Max M _y	-3.09	-0.11	1.22	-0.01	0.39	-0.07	LC 1-4				
		Min M _y	7.29	-0.15	0.78	-0.01	-0.42	-0.07	LC 1-5				
		Max M _z	2.80	-0.58	0.97	-0.01	-0.05	0.34	LC 1-5				
Min M _z	1.40	0.32	1.03	-0.01	0.02	-0.48	LC 1-4						
164	1.729 Right	Max N	8.96	-0.12	0.76	-0.01	-0.35	-0.08	LC 1-5				
		Min N	-4.76	-0.14	1.24	-0.01	0.32	-0.06	LC 1-4				
		Max V _y	1.57	0.34	1.01	-0.02	0.04	-0.46	LC 1-5				
		Min V _y	2.63	-0.59	0.99	-0.00	-0.07	0.33	LC 1-4				
		Max V _z	-3.90	-0.14	1.26	-0.01	0.32	-0.08	LC 1-4				
		Min V _z	8.10	-0.12	0.73	-0.01	-0.36	-0.06	LC 1-5				
		Max M _T	5.28	-0.32	0.94	0.00	-0.04	0.05	LC 1-5				
		Min M _T	-1.09	0.06	1.06	-0.02	0.01	-0.19	LC 1-4				
		Max M _y	-3.09	-0.11	1.22	-0.01	0.39	-0.07	LC 1-4				
		Min M _y	7.29	-0.15	0.78	-0.01	-0.42	-0.07	LC 1-5				
		Max M _z	2.80	-0.58	0.97	-0.01	-0.05	0.34	LC 1-5				
		Min M _z	1.40	0.32	1.03	-0.01	0.02	-0.48	LC 1-4				
158	RC1	105	0.000 Left	Max N	-11.88	0.08	-0.15	-0.00	-0.10	0.06	CO 13		
				Min N	-23.18	0.22	-0.80	-0.01	-0.01	0.17	CO 6		
				Max V _y	-23.07	0.22	-0.81	-0.01	-0.01	0.17	CO 8		
				Min V _y	-11.96	0.08	-0.15	-0.00	-0.10	0.06	CO 9		
				Max V _z	-11.96	0.08	-0.15	-0.00	-0.10	0.06	CO 9		
				Min V _z	-23.07	0.22	-0.81	-0.01	-0.01	0.17	CO 8		
				Max M _T	-11.99	0.08	-0.15	-0.00	-0.10	0.06	CO 11		
				Min M _T	-23.02	0.22	-0.80	-0.01	-0.01	0.17	CO 1		
				Max M _y	-23.02	0.22	-0.80	-0.01	-0.01	0.17	CO 1		
				Min M _y	-12.00	0.08	-0.15	-0.00	-0.10	0.06	CO 12		
				Max M _z	-23.07	0.22	-0.81	-0.01	-0.01	0.17	CO 8		
				Min M _z	-11.96	0.08	-0.15	-0.00	-0.10	0.06	CO 9		
				0.000 Right	Max N	-11.88	0.08	-0.15	-0.00	-0.10	0.06	CO 13	
			Min N		-23.18	0.22	-0.80	-0.01	-0.01	0.17	CO 6		
			Max V _y		-23.07	0.22	-0.81	-0.01	-0.01	0.17	CO 8		
			Min V _y		-11.96	0.08	-0.15	-0.00	-0.10	0.06	CO 9		
			Max V _z		-11.96	0.08	-0.15	-0.00	-0.10	0.06	CO 9		
			Min V _z		-23.07	0.22	-0.81	-0.01	-0.01	0.17	CO 8		
			Max M _T		-11.99	0.08	-0.15	-0.00	-0.10	0.06	CO 11		
			Min M _T		-23.02	0.22	-0.80	-0.01	-0.01	0.17	CO 1		
			Max M _y		-23.02	0.22	-0.80	-0.01	-0.01	0.17	CO 1		
			Min M _y		-12.00	0.08	-0.15	-0.00	-0.10	0.06	CO 12		
			Max M _z		-23.07	0.22	-0.81	-0.01	-0.01	0.17	CO 8		
			Min M _z		-11.96	0.08	-0.15	-0.00	-0.10	0.06	CO 9		
			0.464 Left	Max N	-11.88	0.08	-0.10	-0.00	-0.16	0.03	CO 13		
				Min N	-23.18	0.22	-0.40	-0.01	-0.32	0.07	CO 6		
				Max V _y	-23.07	0.22	-0.40	-0.01	-0.32	0.07	CO 8		
				Min V _y	-11.96	0.08	-0.10	-0.00	-0.16	0.03	CO 9		
				Max V _z	-11.96	0.08	-0.10	-0.00	-0.16	0.03	CO 9		
				Min V _z	-23.07	0.22	-0.40	-0.01	-0.32	0.07	CO 8		
				Max M _T	-11.99	0.08	-0.10	-0.00	-0.16	0.03	CO 11		
				Min M _T	-23.02	0.22	-0.40	-0.01	-0.32	0.07	CO 1		
				Max M _y	-11.88	0.08	-0.10	-0.00	-0.16	0.03	CO 13		
				Min M _y	-23.18	0.22	-0.40	-0.01	-0.32	0.07	CO 6		
				Max M _z	-23.07	0.22	-0.40	-0.01	-0.32	0.07	CO 8		
				Min M _z	-11.96	0.08	-0.10	-0.00	-0.16	0.03	CO 9		
				0.464 Right	Max N	-11.88	0.08	-0.10	-0.00	-0.16	0.03	CO 13	
					Min N	-23.18	0.22	-0.40	-0.01	-0.32	0.07	CO 6	

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding	
				N	V _y	V _z	M _T	M _y	M _z	Load Cases			
158	RC1			Max V _y	-23.07	0.22	-0.40	-0.01	-0.32	0.07	CO 8		
				Min V _y	-11.96	0.08	-0.10	-0.00	-0.16	0.03	CO 9		
				Max V _z	-11.96	0.08	-0.10	-0.00	-0.16	0.03	CO 9		
				Min V _z	-23.07	0.22	-0.40	-0.01	-0.32	0.07	CO 8		
				Max M _T	-11.99	0.08	-0.10	-0.00	-0.16	0.03	CO 11		
				Min M _T	-23.02	0.22	-0.40	-0.01	-0.32	0.07	CO 1		
				Max M _y	-11.88	0.08	-0.10	-0.00	-0.16	0.03	CO 13		
				Min M _y	-23.18	0.22	-0.40	-0.01	-0.32	0.07	CO 6		
				Max M _z	-23.07	0.22	-0.40	-0.01	-0.32	0.07	CO 8		
				Min M _z	-11.96	0.08	-0.10	-0.00	-0.16	0.03	CO 9		
				106	0.928 Left	Max N	-11.88	0.08	-0.05	-0.00	-0.19	-0.01	CO 13
						Min N	-23.18	0.22	0.01	-0.01	-0.38	-0.03	CO 6
						Max V _y	-23.07	0.22	0.00	-0.01	-0.38	-0.03	CO 8
						Min V _y	-11.96	0.08	-0.05	-0.00	-0.19	-0.01	CO 9
						Max V _z	-23.13	0.22	0.01	-0.01	-0.38	-0.03	CO 3
						Min V _z	-11.89	0.08	-0.05	-0.00	-0.20	-0.01	CO 14
						Max M _T	-11.99	0.08	-0.05	-0.00	-0.20	-0.01	CO 11
						Min M _T	-23.02	0.22	0.01	-0.01	-0.38	-0.03	CO 1
						Max M _y	-11.88	0.08	-0.05	-0.00	-0.19	-0.01	CO 13
						Min M _y	-23.18	0.22	0.01	-0.01	-0.38	-0.03	CO 6
						Max M _z	-11.97	0.08	-0.05	-0.00	-0.20	-0.01	CO 10
						Min M _z	-23.06	0.22	0.01	-0.01	-0.38	-0.03	CO 7
				106	0.928 Right	Max N	-11.88	0.08	-0.05	-0.00	-0.19	-0.01	CO 13
						Min N	-23.18	0.22	0.01	-0.01	-0.38	-0.03	CO 6
						Max V _y	-23.07	0.22	0.00	-0.01	-0.38	-0.03	CO 8
						Min V _y	-11.96	0.08	-0.05	-0.00	-0.19	-0.01	CO 9
						Max V _z	-23.13	0.22	0.01	-0.01	-0.38	-0.03	CO 3
						Min V _z	-11.89	0.08	-0.05	-0.00	-0.20	-0.01	CO 14
						Max M _T	-11.99	0.08	-0.05	-0.00	-0.20	-0.01	CO 11
						Min M _T	-23.02	0.22	0.01	-0.01	-0.38	-0.03	CO 1
						Max M _y	-11.88	0.08	-0.05	-0.00	-0.19	-0.01	CO 13
						Min M _y	-23.18	0.22	0.01	-0.01	-0.38	-0.03	CO 6
						Max M _z	-11.97	0.08	-0.05	-0.00	-0.20	-0.01	CO 10
						Min M _z	-23.06	0.22	0.01	-0.01	-0.38	-0.03	CO 7
	RC2	105	0.000 Left	Max N	-8.36	0.06	-0.10	-0.00	-0.07	0.05	CO 27		
				Min N	-16.71	0.16	-0.59	-0.01	-0.00	0.13	CO 20		
				Max V _y	-16.64	0.16	-0.59	-0.01	-0.00	0.13	CO 22		
				Min V _y	-8.41	0.06	-0.10	-0.00	-0.07	0.05	CO 23		
				Max V _z	-8.41	0.06	-0.10	-0.00	-0.07	0.05	CO 23		
				Min V _z	-16.64	0.16	-0.59	-0.01	-0.00	0.13	CO 22		
				Max M _T	-8.43	0.06	-0.10	-0.00	-0.07	0.05	CO 25		
				Min M _T	-16.61	0.16	-0.59	-0.01	-0.00	0.13	CO 16		
				Max M _y	-16.60	0.16	-0.59	-0.01	-0.00	0.13	CO 15		
				Min M _y	-8.44	0.06	-0.10	-0.00	-0.07	0.05	CO 26		
				Max M _z	-16.64	0.16	-0.59	-0.01	-0.00	0.13	CO 22		
				Min M _z	-8.41	0.06	-0.10	-0.00	-0.07	0.05	CO 23		
				0.000 Right	Max N	-8.36	0.06	-0.10	-0.00	-0.07	0.05	CO 27	
					Min N	-16.71	0.16	-0.59	-0.01	-0.00	0.13	CO 20	
					Max V _y	-16.64	0.16	-0.59	-0.01	-0.00	0.13	CO 22	
					Min V _y	-8.41	0.06	-0.10	-0.00	-0.07	0.05	CO 23	
					Max V _z	-8.41	0.06	-0.10	-0.00	-0.07	0.05	CO 23	
					Min V _z	-16.64	0.16	-0.59	-0.01	-0.00	0.13	CO 22	
					Max M _T	-8.43	0.06	-0.10	-0.00	-0.07	0.05	CO 25	
					Min M _T	-16.61	0.16	-0.59	-0.01	-0.00	0.13	CO 16	
					Max M _y	-16.60	0.16	-0.59	-0.01	-0.00	0.13	CO 15	
					Min M _y	-8.44	0.06	-0.10	-0.00	-0.07	0.05	CO 26	
					Max M _z	-16.64	0.16	-0.59	-0.01	-0.00	0.13	CO 22	
					Min M _z	-8.41	0.06	-0.10	-0.00	-0.07	0.05	CO 23	
				0.464 Left	Max N	-8.36	0.06	-0.07	-0.00	-0.11	0.02	CO 27	
					Min N	-16.71	0.16	-0.29	-0.01	-0.23	0.05	CO 20	
					Max V _y	-16.64	0.16	-0.29	-0.01	-0.23	0.05	CO 22	
					Min V _y	-8.41	0.06	-0.07	-0.00	-0.11	0.02	CO 23	
					Max V _z	-8.41	0.06	-0.07	-0.00	-0.11	0.02	CO 23	
					Min V _z	-16.64	0.16	-0.29	-0.01	-0.23	0.05	CO 22	
					Max M _T	-8.43	0.06	-0.07	-0.00	-0.11	0.02	CO 25	
					Min M _T	-16.61	0.16	-0.29	-0.01	-0.23	0.05	CO 16	
					Max M _y	-8.36	0.06	-0.07	-0.00	-0.11	0.02	CO 27	
					Min M _y	-16.71	0.16	-0.29	-0.01	-0.23	0.05	CO 20	
					Max M _z	-16.64	0.16	-0.29	-0.01	-0.23	0.05	CO 22	
					Min M _z	-8.41	0.06	-0.07	-0.00	-0.11	0.02	CO 23	
				0.464 Right	Max N	-8.36	0.06	-0.07	-0.00	-0.11	0.02	CO 27	
					Min N	-16.71	0.16	-0.29	-0.01	-0.23	0.05	CO 20	
					Max V _y	-16.64	0.16	-0.29	-0.01	-0.23	0.05	CO 22	
					Min V _y	-8.41	0.06	-0.07	-0.00	-0.11	0.02	CO 23	
					Max V _z	-8.41	0.06	-0.07	-0.00	-0.11	0.02	CO 23	
					Min V _z	-16.64	0.16	-0.29	-0.01	-0.23	0.05	CO 22	
					Max M _T	-8.43	0.06	-0.07	-0.00	-0.11	0.02	CO 25	
					Min M _T	-16.61	0.16	-0.29	-0.01	-0.23	0.05	CO 16	
					Max M _y	-8.36	0.06	-0.07	-0.00	-0.11	0.02	CO 27	
					Min M _y	-16.71	0.16	-0.29	-0.01	-0.23	0.05	CO 20	
Max M _z	-16.64	0.16	-0.29		-0.01	-0.23	0.05	CO 22					
Min M _z	-8.41	0.06	-0.07		-0.00	-0.11	0.02	CO 23					
0.928 Left	Max N	-8.36	0.06	-0.03	-0.00	-0.14	-0.01	CO 27					
	Min N	-16.71	0.16	0.01	-0.01	-0.28	-0.02	CO 20					
	Max V _y	-16.64	0.16	0.01	-0.01	-0.27	-0.02	CO 22					
	Min V _y	-8.41	0.06	-0.03	-0.00	-0.14	-0.01	CO 23					
	Max V _z	-16.68	0.16	0.01	-0.01	-0.27	-0.02	CO 17					
	Min V _z	-8.36	0.06	-0.04	-0.00	-0.14	-0.01	CO 28					
	Max M _T	-8.43	0.06	-0.03	-0.00	-0.14	-0.01	CO 25					
	Min M _T	-16.61	0.16	0.01	-0.01	-0.27	-0.02	CO 16					
	Max M _y	-8.36	0.06	-0.03	-0.00	-0.14	-0.01	CO 27					
	Min M _y	-16.71	0.16	0.01	-0.01	-0.28	-0.02	CO 20					

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
158	RC2	106	0.928 Right	Max M _z	-8.42	0.06	-0.03	-0.00	-0.14	-0.01	CO 24
				Min M _z	-16.63	0.16	0.01	-0.01	-0.27	-0.02	CO 21
				Max N	-8.36	0.06	-0.03	-0.00	-0.14	-0.01	CO 27
				Min N	-16.71	0.16	0.01	-0.01	-0.28	-0.02	CO 20
				Max V _y	-16.64	0.16	0.01	-0.01	-0.27	-0.02	CO 22
				Min V _y	-8.41	0.06	-0.03	-0.00	-0.14	-0.01	CO 23
				Max V _z	-16.68	0.16	0.01	-0.01	-0.27	-0.02	CO 17
				Min V _z	-8.36	0.06	-0.04	-0.00	-0.14	-0.01	CO 28
				Max M _T	-8.43	0.06	-0.03	-0.00	-0.14	-0.01	CO 25
				Min M _T	-16.61	0.16	0.01	-0.01	-0.27	-0.02	CO 16
				Max M _y	-8.36	0.06	-0.03	-0.00	-0.14	-0.01	CO 27
				Min M _y	-16.71	0.16	0.01	-0.01	-0.28	-0.02	CO 20
				Max M _z	-8.42	0.06	-0.03	-0.00	-0.14	-0.01	CO 24
				Min M _z	-16.63	0.16	0.01	-0.01	-0.27	-0.02	CO 21
				Max N	-10.32	-0.77	-2.14	-0.01	0.81	-0.34	LC 1-4
				Min N	-17.86	1.16	1.06	-0.01	-0.81	0.63	LC 1-5
				Max V _y	-15.91	2.39	0.80	-0.01	-0.71	1.31	LC 1-5
				Min V _y	-12.28	-2.00	-1.88	-0.01	0.72	-1.01	LC 1-4
				Max V _z	-16.83	1.55	1.63	-0.01	-1.10	0.81	LC 1-5
				Min V _z	-11.35	-1.16	-2.70	-0.01	1.11	-0.51	LC 1-4
	RC6	105	0.000 Left	Max M _T	-14.45	0.25	-0.58	0.01	0.03	0.17	LC 1-4
				Min M _T	-13.73	0.14	-0.49	-0.03	-0.03	0.12	LC 1-5
				Max M _y	-11.50	-1.18	-2.63	-0.01	1.15	-0.47	LC 1-4
				Min M _y	-16.69	1.57	1.55	-0.01	-1.14	0.77	LC 1-5
				Max M _z	-15.77	2.28	0.64	-0.01	-0.58	1.37	LC 1-5
				Min M _z	-12.42	-1.89	-1.72	-0.01	0.59	-1.07	LC 1-4
			0.000 Right	Max N	-10.32	-0.77	-2.14	-0.01	0.81	-0.34	LC 1-4
				Min N	-17.86	1.16	1.06	-0.01	-0.81	0.63	LC 1-5
				Max V _y	-15.91	2.39	0.80	-0.01	-0.71	1.31	LC 1-5
				Min V _y	-12.28	-2.00	-1.88	-0.01	0.72	-1.01	LC 1-4
				Max V _z	-16.83	1.55	1.63	-0.01	-1.10	0.81	LC 1-5
				Min V _z	-11.35	-1.16	-2.70	-0.01	1.11	-0.51	LC 1-4
				Max M _T	-14.45	0.25	-0.58	0.01	0.03	0.17	LC 1-4
				Min M _T	-13.73	0.14	-0.49	-0.03	-0.03	0.12	LC 1-5
				Max M _y	-11.50	-1.18	-2.63	-0.01	1.15	-0.47	LC 1-4
				Min M _y	-16.69	1.57	1.55	-0.01	-1.14	0.77	LC 1-5
				Max M _z	-15.77	2.28	0.64	-0.01	-0.58	1.37	LC 1-5
				Min M _z	-12.42	-1.89	-1.72	-0.01	0.59	-1.07	LC 1-4
			0.464 Left	Max N	-10.32	-0.78	-1.84	-0.01	-0.13	0.02	LC 1-4
				Min N	-17.86	1.15	1.36	-0.01	-0.26	0.10	LC 1-5
				Max V _y	-15.91	2.38	1.10	-0.01	-0.29	0.20	LC 1-5
				Min V _y	-12.28	-2.00	-1.58	-0.01	-0.10	-0.08	LC 1-4
				Max V _z	-16.83	1.54	1.92	-0.01	-0.30	0.09	LC 1-5
				Min V _z	-11.35	-1.17	-2.40	-0.01	-0.10	0.03	LC 1-4
				Max M _T	-14.45	0.24	-0.29	0.01	-0.19	0.06	LC 1-4
				Min M _T	-13.73	0.14	-0.20	-0.03	-0.21	0.06	LC 1-5
				Max M _y	-13.47	-0.46	-0.91	-0.01	0.12	0.23	LC 1-4
				Min M _y	-14.72	0.84	0.43	-0.01	-0.51	-0.11	LC 1-5
				Max M _z	-14.58	0.98	-0.07	-0.01	-0.06	0.46	LC 1-5
				Min M _z	-13.61	-0.60	-0.42	-0.01	-0.33	-0.34	LC 1-4
			0.464 Right	Max N	-10.32	-0.78	-1.84	-0.01	-0.13	0.02	LC 1-4
				Min N	-17.86	1.15	1.36	-0.01	-0.26	0.10	LC 1-5
				Max V _y	-15.91	2.38	1.10	-0.01	-0.29	0.20	LC 1-5
				Min V _y	-12.28	-2.00	-1.58	-0.01	-0.10	-0.08	LC 1-4
				Max V _z	-16.83	1.54	1.92	-0.01	-0.30	0.09	LC 1-5
				Min V _z	-11.35	-1.17	-2.40	-0.01	-0.10	0.03	LC 1-4
				Max M _T	-14.45	0.24	-0.29	0.01	-0.19	0.06	LC 1-4
				Min M _T	-13.73	0.14	-0.19	-0.03	-0.21	0.06	LC 1-5
				Max M _y	-13.47	-0.46	-0.91	-0.01	0.12	0.23	LC 1-4
				Min M _y	-14.72	0.84	0.43	-0.01	-0.51	-0.11	LC 1-5
				Max M _z	-14.58	0.98	-0.07	-0.01	-0.06	0.46	LC 1-5
				Min M _z	-13.61	-0.60	-0.42	-0.01	-0.33	-0.34	LC 1-4
			0.928 Left	Max N	-10.32	-0.78	-1.55	-0.01	-0.89	0.38	LC 1-4
				Min N	-17.86	1.15	1.65	-0.01	0.45	-0.44	LC 1-5
				Max V _y	-15.91	2.38	1.39	-0.01	0.31	-0.90	LC 1-5
				Min V _y	-12.28	-2.01	-1.29	-0.01	-0.75	0.85	LC 1-4
				Max V _z	-16.83	1.54	2.21	-0.01	0.68	-0.62	LC 1-5
				Min V _z	-11.35	-1.17	-2.11	-0.01	-1.12	0.57	LC 1-4
				Max M _T	-14.45	0.24	0.01	0.01	-0.23	-0.05	LC 1-4
				Min M _T	-13.73	0.13	0.10	-0.03	-0.21	-0.00	LC 1-5
				Max M _y	-16.54	1.39	2.10	-0.01	0.73	-0.50	LC 1-4
				Min M _y	-11.64	-1.02	-2.00	-0.01	-1.17	0.44	LC 1-5
				Max M _z	-12.31	-1.83	-1.31	-0.01	-0.69	0.92	LC 1-4
				Min M _z	-15.88	2.20	1.41	-0.01	0.25	-0.98	LC 1-5
			0.928 Right	Max N	-10.32	-0.78	-1.55	-0.01	-0.89	0.38	LC 1-4
				Min N	-17.86	1.15	1.65	-0.01	0.45	-0.44	LC 1-5
				Max V _y	-15.91	2.38	1.39	-0.01	0.31	-0.90	LC 1-5
				Min V _y	-12.28	-2.01	-1.29	-0.01	-0.75	0.85	LC 1-4
				Max V _z	-16.83	1.54	2.21	-0.01	0.68	-0.62	LC 1-5
				Min V _z	-11.35	-1.17	-2.11	-0.01	-1.12	0.57	LC 1-4
				Max M _T	-14.45	0.24	0.01	0.01	-0.23	-0.05	LC 1-4
				Min M _T	-13.73	0.13	0.10	-0.03	-0.21	-0.00	LC 1-5
				Max M _y	-16.54	1.39	2.10	-0.01	0.73	-0.50	LC 1-4
				Min M _y	-11.64	-1.02	-2.00	-0.01	-1.17	0.44	LC 1-5
				Max M _z	-12.31	-1.83	-1.31	-0.01	-0.69	0.92	LC 1-4
				Min M _z	-15.88	2.20	1.41	-0.01	0.25	-0.98	LC 1-5
159	RC1	106	0.000 Left	Max N	-11.87	0.05	-0.06	-0.00	-0.20	0.01	CO 13
				Min N	-23.17	0.00	-0.30	-0.00	-0.39	-0.01	CO 6
				Max V _y	-11.95	0.05	-0.06	-0.00	-0.20	0.01	CO 9
				Min V _y	-23.06	0.00	-0.30	-0.00	-0.39	-0.01	CO 8
				Max V _z	-11.87	0.05	-0.06	-0.00	-0.20	0.01	CO 13
				Min V _z	-23.17	0.00	-0.30	-0.00	-0.39	-0.01	CO 6

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
159	RC1			0.000 Right	Max M _T	-23.16	0.00	-0.30	▷	-0.00	-0.39	-0.01	CO 5
					Min M _T	-11.89	0.05	-0.06	▷	-0.00	-0.21	0.01	CO 14
					Max M _y	-11.87	0.05	-0.06	▷	-0.00	-0.20	0.01	CO 13
					Min M _y	-23.17	0.00	-0.30	▷	-0.00	-0.39	-0.01	CO 6
					Max M _z	-11.96	0.05	-0.06	▷	-0.00	-0.21	0.01	CO 10
					Min M _z	-23.05	0.00	-0.30	▷	-0.00	-0.39	-0.01	CO 7
					Max N	-11.87	0.05	-0.06	▷	-0.00	-0.20	0.01	CO 13
					Min N	-23.17	0.00	-0.30	▷	-0.00	-0.39	-0.01	CO 6
					Max V _y	-11.95	▷	0.05	-0.06	-0.00	-0.20	0.01	CO 9
					Min V _y	-23.06	▷	0.00	-0.30	-0.00	-0.39	-0.01	CO 8
					Max V _z	-11.87	0.05	▷	-0.06	-0.00	-0.20	0.01	CO 13
					Min V _z	-23.17	0.00	▷	-0.30	-0.00	-0.39	-0.01	CO 6
					Max M _T	-23.16	0.00	-0.30	▷	-0.00	-0.39	-0.01	CO 5
					Min M _T	-11.89	0.05	-0.06	▷	-0.00	-0.21	0.01	CO 14
					Max M _y	-11.87	0.05	-0.06	▷	-0.00	-0.20	0.01	CO 13
					Min M _y	-23.17	0.00	-0.30	▷	-0.00	-0.39	-0.01	CO 6
					Max M _z	-11.96	0.05	-0.06	▷	-0.00	-0.21	0.01	CO 10
					Min M _z	-23.05	0.00	-0.30	▷	-0.00	-0.39	-0.01	CO 7
				0.464 Left	Max N	-11.87	0.05	-0.01	-0.00	-0.22	-0.02	CO 13	
					Min N	-23.17	-0.01	0.11	-0.00	-0.47	-0.01	CO 6	
					Max V _y	-11.95	▷	0.05	-0.01	-0.00	-0.22	CO 9	
					Min V _y	-23.06	▷	-0.01	0.11	-0.00	-0.46	-0.01	CO 8
					Max V _z	-23.02	-0.01	▷	0.11	-0.00	-0.46	-0.01	CO 1
					Min V _z	-11.99	0.05	▷	-0.02	-0.00	-0.23	-0.02	CO 12
					Max M _T	-23.16	-0.01	0.11	▷	-0.00	-0.46	-0.01	CO 5
					Min M _T	-11.89	0.04	-0.01	▷	-0.00	-0.22	-0.02	CO 14
					Max M _y	-11.87	0.05	-0.01	-0.00	-0.22	-0.02	CO 13	
					Min M _y	-23.17	-0.01	0.11	-0.00	-0.47	-0.01	CO 6	
					Max M _z	-23.06	-0.01	0.11	-0.00	-0.46	-0.01	CO 8	
					Min M _z	-11.95	0.05	-0.01	-0.00	-0.22	-0.02	CO 9	
					Max N	-11.87	0.05	-0.01	-0.00	-0.22	-0.02	CO 13	
					Min N	-23.17	-0.01	0.11	-0.00	-0.47	-0.01	CO 6	
					Max V _y	-11.95	▷	0.05	-0.01	-0.00	-0.22	CO 9	
					Min V _y	-23.06	▷	-0.01	0.11	-0.00	-0.46	-0.01	CO 8
					Max V _z	-23.02	-0.01	▷	0.11	-0.00	-0.46	-0.01	CO 1
					Min V _z	-11.99	0.05	▷	-0.02	-0.00	-0.23	-0.02	CO 12
				0.464 Right	Max M _T	-23.16	-0.01	0.11	▷	-0.00	-0.46	-0.01	CO 5
					Min M _T	-11.89	0.04	-0.01	▷	-0.00	-0.22	-0.02	CO 14
					Max M _y	-11.87	0.05	-0.01	-0.00	-0.22	-0.02	CO 13	
					Min M _y	-23.17	-0.01	0.11	-0.00	-0.47	-0.01	CO 6	
					Max M _z	-23.06	-0.01	0.11	-0.00	-0.46	-0.01	CO 8	
					Min M _z	-11.95	0.05	-0.01	-0.00	-0.22	-0.02	CO 9	
					Max N	-11.87	0.05	-0.01	-0.00	-0.22	-0.02	CO 13	
					Min N	-23.17	-0.01	0.11	-0.00	-0.47	-0.01	CO 6	
					Max V _y	-11.95	▷	0.05	-0.01	-0.00	-0.22	CO 9	
					Min V _y	-23.06	▷	-0.01	0.11	-0.00	-0.46	-0.01	CO 8
					Max V _z	-23.02	-0.01	▷	0.11	-0.00	-0.46	-0.01	CO 1
					Min V _z	-11.99	0.05	▷	-0.02	-0.00	-0.23	-0.02	CO 12
					Max M _T	-23.16	-0.01	0.11	▷	-0.00	-0.46	-0.01	CO 5
					Min M _T	-11.89	0.04	-0.01	▷	-0.00	-0.22	-0.02	CO 14
					Max M _y	-11.87	0.05	-0.01	-0.00	-0.22	-0.02	CO 13	
					Min M _y	-23.17	-0.01	0.11	-0.00	-0.47	-0.01	CO 6	
					Max M _z	-23.06	-0.01	0.11	-0.00	-0.46	-0.01	CO 8	
					Min M _z	-11.95	0.05	-0.01	-0.00	-0.22	-0.02	CO 9	
				0.928 Left	Max N	-11.87	0.04	0.04	-0.00	-0.21	-0.04	CO 13	
					Min N	-23.17	-0.01	0.51	-0.00	-0.29	-0.01	CO 6	
					Max V _y	-11.95	▷	0.05	0.03	-0.00	-0.22	-0.04	CO 9
					Min V _y	-23.06	-0.01	0.52	-0.00	-0.29	-0.01	CO 8	
					Max V _z	-23.02	-0.01	▷	0.52	-0.00	-0.29	-0.01	CO 1
					Min V _z	-11.99	0.04	▷	0.03	-0.00	-0.22	-0.04	CO 12
					Max M _T	-23.16	-0.01	0.52	▷	-0.00	-0.29	-0.01	CO 5
					Min M _T	-11.88	0.04	0.03	▷	-0.00	-0.22	-0.04	CO 14
					Max M _y	-11.87	0.04	0.04	-0.00	-0.21	-0.04	CO 13	
					Min M _y	-23.17	-0.01	0.51	-0.00	-0.29	-0.01	CO 6	
					Max M _z	-23.06	-0.01	0.52	-0.00	-0.29	-0.01	CO 8	
					Min M _z	-11.95	0.05	0.03	-0.00	-0.22	-0.04	CO 9	
Max N	-11.87	0.04	0.04		-0.00	-0.21	-0.04	CO 13					
Min N	-23.17	-0.01	0.51		-0.00	-0.29	-0.01	CO 6					
Max V _y	-11.95	▷	0.05		0.03	-0.00	-0.22	-0.04	CO 9				
Min V _y	-23.06	▷	-0.01		0.52	-0.00	-0.29	-0.01	CO 8				
Max V _z	-23.02	-0.01	▷		0.52	-0.00	-0.29	-0.01	CO 1				
Min V _z	-11.99	0.04	▷		0.03	-0.00	-0.22	-0.04	CO 12				
0.928 Right	Max M _T	-23.16	-0.01	0.52	▷	-0.00	-0.29	-0.01	CO 5				
	Min M _T	-11.88	0.04	0.03	▷	-0.00	-0.22	-0.04	CO 14				
	Max M _y	-11.87	0.04	0.04	-0.00	-0.21	-0.04	CO 13					
	Min M _y	-23.17	-0.01	0.51	-0.00	-0.29	-0.01	CO 6					
	Max M _z	-23.06	-0.01	0.52	-0.00	-0.29	-0.01	CO 8					
	Min M _z	-11.95	0.05	0.03	-0.00	-0.22	-0.04	CO 9					
	Max N	-11.87	0.04	0.04	-0.00	-0.21	-0.04	CO 13					
	Min N	-23.17	-0.01	0.51	-0.00	-0.29	-0.01	CO 6					
	Max V _y	-11.95	▷	0.05	0.03	-0.00	-0.22	-0.04	CO 9				
	Min V _y	-23.06	▷	-0.01	0.52	-0.00	-0.29	-0.01	CO 8				
	Max V _z	-23.02	-0.01	▷	0.52	-0.00	-0.29	-0.01	CO 1				
	Min V _z	-11.99	0.04	▷	0.03	-0.00	-0.22	-0.04	CO 12				
	Max M _T	-23.16	-0.01	0.52	▷	-0.00	-0.29	-0.01	CO 5				
	Min M _T	-11.88	0.04	0.03	▷	-0.00	-0.22	-0.04	CO 14				
	Max M _y	-11.87	0.04	0.04	-0.00	-0.21	-0.04	CO 13					
	Min M _y	-23.17	-0.01	0.51	-0.00	-0.29	-0.01	CO 6					
	Max M _z	-23.06	-0.01	0.52	-0.00	-0.29	-0.01	CO 8					
	Min M _z	-11.95	0.05	0.03	-0.00	-0.22	-0.04	CO 9					
RC2	106	0.000 Left	Max N	-8.35	0.03	-0.04	▷	-0.00	-0.14	CO 27			
			Min N	-16.71	0.00	-0.22	▷	-0.00	-0.28	-0.01	CO 20		
			Max V _y	-8.40	▷	0.03	-0.05	-0.00	-0.14	0.00	CO 23		
			Min V _y	-16.63	▷	0.00	-0.22	-0.00	-0.28	-0.01	CO 22		
			Max V _z	-8.35	0.03	▷	-0.04	-0.00	-0.14	0.00	CO 27		
			Min V _z	-16.71	0.00	▷	-0.22	-0.00	-0.28	-0.01	CO 20		
			Max M _T	-16.70	0.00	-0.22	▷	-0.00	-0.28	-0.01	CO 19		
			Min M _T	-8.36	0.03	-0.05	▷	-0.00	-0.14	0.00	CO 28		
			Max M _y	-8.35	0.03	-0.04	-0.00	-0.14	0.00	CO 27			
			Min M _y	-16.71	0.00	-0.22	▷	-0.00	-0.28	-0.01	CO 20		
			Max M _z	-8.41	0.03	-0.05	-0.00	-0.14	0.00	CO 24			
			Min M _z	-16.62	0.00	-0.22	-0.00	-0.28	-0.01	CO 21			
			Max N	-8.35	0.03	-0.04	-0.00	-0.14	0.00	CO 27			
			Min N	-16.71	0.00	-0.22	▷	-0.00	-0.28	-0.01	CO 20		
			Max V _y	-8.40	▷	0.03	-0.05	-0.00	-0.14	0.00	CO 23		
			Min V _y	-16.63	▷	0.00	-0.22	-0.00	-0.28	-0.01	CO 22		
			Max V _z	-8.35	0.03	▷	-0.04	-0.00	-0.14	0.00	CO 27		
			Min V _z	-16.71	0.00	▷	-0.22	-0.00	-0.28	-0.01	CO 20		
			Max M _T	-16.70	0.00	-0.22	▷	-0.00	-0.28	-0.01	CO 19		
			Min M _T	-8.36	0.03	-0.05	▷	-0.00	-0.14	0.00	CO 28		
			Max M _y	-8.35	0.03	-0.04	-0.00	-0.14	0.00	CO 27			
			Min M _y	-16.71	0.00	-0.22	▷	-0.00	-0.28	-0.01	CO 20		
			Max M _z	-8.41	0.03	-0.05	-0.00	-0.14	0.00	CO 24			
			Min M _z	-16.62	0.00	-0.22	-0.00	-0.28	-0.01	CO 21			
			0.464 Left	Max N	-8.35	0.03	-0.01	-0.00	-0.16	-0.01	CO 27		
				Min N	-16.71	-0.00	0.08	-0.00	-0.34	-0.01	CO 20		



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
159	RC2		0.464 Right	Max V _y	-8.40	0.03	-0.01	-0.00	-0.16	-0.01	CO 23	
				Min V _y	-16.63	-0.00	0.08	-0.00	-0.33	-0.01	CO 22	
				Max V _z	-16.60	-0.00	0.08	-0.00	-0.33	-0.01	CO 15	
				Min V _z	-8.43	0.03	-0.01	-0.00	-0.16	-0.01	CO 26	
				Max M _T	-16.70	-0.00	0.08	-0.00	-0.33	-0.01	CO 19	
				Min M _T	-8.36	0.03	-0.01	-0.00	-0.16	-0.01	CO 28	
				Max M _y	-8.35	0.03	-0.01	-0.00	-0.16	-0.01	CO 27	
				Min M _y	-16.71	-0.00	0.08	-0.00	-0.34	-0.01	CO 20	
				Max M _z	-16.63	-0.00	0.08	-0.00	-0.33	-0.01	CO 22	
				Min M _z	-8.40	0.03	-0.01	-0.00	-0.16	-0.01	CO 23	
				Max N	-8.35	0.03	-0.01	-0.00	-0.16	-0.01	CO 27	
				Min N	-16.71	-0.00	0.08	-0.00	-0.34	-0.01	CO 20	
				Max V _y	-8.40	0.03	-0.01	-0.00	-0.16	-0.01	CO 23	
				Min V _y	-16.63	-0.00	0.08	-0.00	-0.33	-0.01	CO 22	
				Max V _z	-16.60	-0.00	0.08	-0.00	-0.33	-0.01	CO 15	
				Min V _z	-8.43	0.03	-0.01	-0.00	-0.16	-0.01	CO 26	
				Max M _T	-16.70	-0.00	0.08	-0.00	-0.33	-0.01	CO 19	
				Min M _T	-8.36	0.03	-0.01	-0.00	-0.16	-0.01	CO 28	
				Max M _y	-8.35	0.03	-0.01	-0.00	-0.16	-0.01	CO 27	
				Min M _y	-16.71	-0.00	0.08	-0.00	-0.34	-0.01	CO 20	
				Max M _z	-16.63	-0.00	0.08	-0.00	-0.33	-0.01	CO 22	
				Min M _z	-8.40	0.03	-0.01	-0.00	-0.16	-0.01	CO 23	
				Max N	-8.35	0.03	0.03	-0.00	-0.15	-0.03	CO 27	
				Min N	-16.71	-0.01	0.38	-0.00	-0.21	-0.01	CO 20	
				Max V _y	-8.40	0.03	0.02	-0.00	-0.15	-0.03	CO 23	
				Min V _y	-16.63	-0.01	0.38	-0.00	-0.21	-0.01	CO 22	
				Max V _z	-16.60	-0.01	0.38	-0.00	-0.20	-0.01	CO 15	
				Min V _z	-8.43	0.03	0.02	-0.00	-0.16	-0.03	CO 26	
				Max M _T	-16.70	-0.01	0.38	-0.00	-0.21	-0.01	CO 19	
				Min M _T	-8.36	0.03	0.02	-0.00	-0.15	-0.03	CO 28	
				Max M _y	-8.35	0.03	0.03	-0.00	-0.15	-0.03	CO 27	
				Min M _y	-16.71	-0.01	0.38	-0.00	-0.21	-0.01	CO 20	
				Max M _z	-16.63	-0.01	0.38	-0.00	-0.21	-0.01	CO 22	
				Min M _z	-8.40	0.03	0.02	-0.00	-0.15	-0.03	CO 23	
				Max N	-8.35	0.03	0.03	-0.00	-0.15	-0.03	CO 27	
				Min N	-16.71	-0.01	0.38	-0.00	-0.21	-0.01	CO 20	
				Max V _y	-8.40	0.03	0.02	-0.00	-0.15	-0.03	CO 23	
				Min V _y	-16.63	-0.01	0.38	-0.00	-0.21	-0.01	CO 22	
				Max V _z	-16.60	-0.01	0.38	-0.00	-0.20	-0.01	CO 15	
				Min V _z	-8.43	0.03	0.02	-0.00	-0.16	-0.03	CO 26	
				Max M _T	-16.70	-0.01	0.38	-0.00	-0.21	-0.01	CO 19	
				Min M _T	-8.36	0.03	0.02	-0.00	-0.15	-0.03	CO 28	
				Max M _y	-8.35	0.03	0.03	-0.00	-0.15	-0.03	CO 27	
				Min M _y	-16.71	-0.01	0.38	-0.00	-0.21	-0.01	CO 20	
	Max M _z	-16.63	-0.01	0.38	-0.00	-0.21	-0.01	CO 22				
	Min M _z	-8.40	0.03	0.02	-0.00	-0.15	-0.03	CO 23				
	Max N	-11.60	0.32	-0.01	-0.00	-0.39	0.01	LC 1-4				
	Min N	-16.57	-0.31	-0.46	-0.00	-0.07	-0.03	LC 1-5				
	Max V _y	-13.81	2.30	1.16	-0.00	-0.74	0.88	LC 1-4				
	Min V _y	-14.36	-2.29	-1.62	-0.00	0.29	-0.90	LC 1-5				
	Max V _z	-13.84	1.35	2.12	-0.00	-1.14	0.56	LC 1-4				
	Min V _z	-14.33	-1.34	-2.58	-0.00	0.68	-0.58	LC 1-5				
	Max M _T	-14.00	0.01	-0.24	0.02	-0.22	-0.00	LC 1-4				
	Min M _T	-14.17	0.00	-0.22	-0.02	-0.24	-0.02	LC 1-5				
	Max M _y	-14.26	-1.22	-2.47	-0.00	0.72	-0.46	LC 1-4				
	Min M _y	-13.91	1.23	2.01	-0.00	-1.18	0.44	LC 1-5				
	Max M _z	-14.07	2.12	1.16	-0.00	-0.68	0.95	LC 1-4				
	Min M _z	-14.09	-2.11	-1.63	-0.00	0.22	-0.97	LC 1-5				
	Max N	-11.60	0.32	-0.01	-0.00	-0.39	0.01	LC 1-4				
	Min N	-16.57	-0.31	-0.46	-0.00	-0.07	-0.03	LC 1-5				
	Max V _y	-13.81	2.30	1.16	-0.00	-0.74	0.88	LC 1-4				
	Min V _y	-14.36	-2.29	-1.62	-0.00	0.29	-0.90	LC 1-5				
	Max V _z	-13.84	1.35	2.12	-0.00	-1.14	0.56	LC 1-4				
	Min V _z	-14.33	-1.34	-2.58	-0.00	0.68	-0.58	LC 1-5				
	Max M _T	-14.00	0.01	-0.24	0.02	-0.22	-0.00	LC 1-4				
	Min M _T	-14.17	0.00	-0.22	-0.02	-0.24	-0.02	LC 1-5				
	Max M _y	-14.26	-1.22	-2.47	-0.00	0.72	-0.46	LC 1-4				
	Min M _y	-13.91	1.23	2.01	-0.00	-1.18	0.44	LC 1-5				
	Max M _z	-14.07	2.12	1.16	-0.00	-0.68	0.95	LC 1-4				
	Min M _z	-14.09	-2.11	-1.63	-0.00	0.22	-0.97	LC 1-5				
	Max N	-11.60	0.32	0.29	-0.00	-0.34	-0.14	LC 1-4				
	Min N	-16.57	-0.31	-0.16	-0.00	-0.24	0.11	LC 1-5				
	Max V _y	-13.81	2.29	1.45	-0.00	-0.16	-0.19	LC 1-4				
	Min V _y	-14.36	-2.29	-1.33	-0.00	-0.42	0.17	LC 1-5				
	Max V _z	-13.84	1.35	2.42	-0.00	-0.11	-0.07	LC 1-4				
	Min V _z	-14.33	-1.34	-2.29	-0.00	-0.47	0.05	LC 1-5				
	Max M _T	-14.00	0.01	0.05	0.02	-0.29	-0.00	LC 1-4				
	Min M _T	-14.17	-0.00	0.07	-0.02	-0.29	-0.02	LC 1-5				
	Max M _y	-14.33	0.88	1.33	-0.00	0.05	0.14	LC 1-4				
	Min M _y	-13.84	-0.87	-1.21	-0.00	-0.63	-0.16	LC 1-5				
	Max M _z	-14.90	-0.98	-0.26	-0.00	-0.17	0.40	LC 1-5				
	Min M _z	-13.26	0.98	0.39	-0.00	-0.41	-0.42	LC 1-4				
	Max N	-11.60	0.32	0.29	-0.00	-0.34	-0.14	LC 1-4				
	Min N	-16.57	-0.31	-0.16	-0.00	-0.24	0.11	LC 1-5				
	Max V _y	-13.81	2.29	1.45	-0.00	-0.16	-0.19	LC 1-4				
	Min V _y	-14.36	-2.29	-1.33	-0.00	-0.42	0.17	LC 1-5				
	Max V _z	-13.84	1.35	2.42	-0.00	-0.11	-0.07	LC 1-4				
	Min V _z	-14.33	-1.34	-2.29	-0.00	-0.47	0.05	LC 1-5				
	Max M _T	-14.00	0.01	0.05	0.02	-0.29	-0.00	LC 1-4				
	Min M _T	-14.17	-0.00	0.07	-0.02	-0.29	-0.02	LC 1-5				
	Max M _y	-14.33	0.88	1.33	-0.00	0.05	0.14	LC 1-4				
	Min M _y	-13.84	-0.87	-1.21	-0.00	-0.63	-0.16	LC 1-5				

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
159	RC6	107	0.928 Left	Max M _z	-14.90	-0.98	-0.26	-0.00	-0.17	0.40	LC 1-5
				Min M _z	-13.26	0.98	0.39	-0.00	-0.41	-0.42	LC 1-4
				Max N	-11.60	0.31	0.58	-0.00	-0.12	-0.28	LC 1-4
				Min N	-16.57	-0.32	0.13	-0.00	-0.23	0.26	LC 1-5
				Max V _y	-13.81	2.29	1.75	-0.00	0.60	-1.25	LC 1-4
				Min V _y	-14.36	-2.30	-1.03	-0.00	-0.95	1.23	LC 1-5
				Max V _z	-13.84	1.34	2.71	-0.00	1.10	-0.69	LC 1-4
				Min V _z	-14.33	-1.35	-2.00	-0.00	-1.44	0.67	LC 1-5
				Max M _T	-14.00	0.00	0.35	0.02	-0.17	-0.01	LC 1-4
				Min M _T	-14.17	-0.01	0.37	-0.02	-0.17	-0.01	LC 1-5
				Max M _y	-13.95	1.35	2.65	-0.00	1.13	-0.65	LC 1-4
				Min M _y	-14.22	-1.36	-1.94	-0.00	-1.48	0.63	LC 1-5
			0.928 Right	Max M _z	-14.54	-2.20	-0.89	-0.00	-0.82	1.28	LC 1-5
				Min M _z	-13.63	2.19	1.61	-0.00	0.48	-1.30	LC 1-4
				Max N	-11.60	0.31	0.58	-0.00	-0.12	-0.28	LC 1-4
				Min N	-16.57	-0.32	0.13	-0.00	-0.23	0.26	LC 1-5
				Max V _y	-13.81	2.29	1.75	-0.00	0.60	-1.25	LC 1-4
				Min V _y	-14.36	-2.30	-1.03	-0.00	-0.95	1.23	LC 1-5
				Max V _z	-13.84	1.34	2.71	-0.00	1.10	-0.69	LC 1-4
				Min V _z	-14.33	-1.35	-2.00	-0.00	-1.44	0.67	LC 1-5
				Max M _T	-14.00	0.00	0.35	0.02	-0.17	-0.01	LC 1-4
				Min M _T	-14.17	-0.01	0.37	-0.02	-0.17	-0.01	LC 1-5
				Max M _y	-13.95	1.35	2.65	-0.00	1.13	-0.65	LC 1-4
				Min M _y	-14.22	-1.36	-1.94	-0.00	-1.48	0.63	LC 1-5
160	RC1	107	0.000 Left	Max N	-11.86	-0.06	1.46	0.00	-0.23	-0.03	CO 13
				Min N	-23.14	0.18	3.09	0.04	-0.32	0.01	CO 6
				Max V _y	-23.04	0.18	3.08	0.04	-0.32	0.01	CO 8
				Min V _y	-11.93	-0.06	1.47	0.00	-0.24	-0.03	CO 9
				Max V _z	-23.14	0.18	3.09	0.04	-0.32	0.01	CO 6
				Min V _z	-11.86	-0.06	1.46	0.00	-0.23	-0.03	CO 13
				Max M _T	-23.10	0.17	3.08	0.04	-0.32	0.01	CO 3
				Min M _T	-11.87	-0.06	1.47	0.00	-0.24	-0.02	CO 14
				Max M _y	-11.86	-0.06	1.46	0.00	-0.23	-0.03	CO 13
				Min M _y	-23.14	0.18	3.09	0.04	-0.32	0.01	CO 6
				Max M _z	-23.04	0.18	3.08	0.04	-0.32	0.01	CO 8
				Min M _z	-11.93	-0.06	1.47	0.00	-0.24	-0.03	CO 9
			0.000 Right	Max N	-11.86	-0.06	1.46	0.00	-0.23	-0.03	CO 13
				Min N	-23.14	0.18	3.09	0.04	-0.32	0.01	CO 6
				Max V _y	-23.04	0.18	3.08	0.04	-0.32	0.01	CO 8
				Min V _y	-11.93	-0.06	1.47	0.00	-0.24	-0.03	CO 9
				Max V _z	-23.14	0.18	3.09	0.04	-0.32	0.01	CO 6
				Min V _z	-11.86	-0.06	1.46	0.00	-0.23	-0.03	CO 13
				Max M _T	-23.10	0.17	3.08	0.04	-0.32	0.01	CO 3
				Min M _T	-11.87	-0.06	1.47	0.00	-0.24	-0.02	CO 14
				Max M _y	-11.86	-0.06	1.46	0.00	-0.23	-0.03	CO 13
				Min M _y	-23.14	0.18	3.09	0.04	-0.32	0.01	CO 6
				Max M _z	-23.04	0.18	3.08	0.04	-0.32	0.01	CO 8
				Min M _z	-11.93	-0.06	1.47	0.00	-0.24	-0.03	CO 9
			0.464 Left	Max N	-11.86	-0.06	1.51	0.00	0.46	0.00	CO 13
				Min N	-23.15	0.17	3.48	0.04	1.18	-0.08	CO 6
				Max V _y	-23.04	0.17	3.47	0.04	1.18	-0.08	CO 8
				Min V _y	-11.93	-0.07	1.51	0.00	0.46	0.00	CO 9
				Max V _z	-23.15	0.17	3.48	0.04	1.18	-0.08	CO 6
				Min V _z	-11.86	-0.06	1.51	0.00	0.46	0.00	CO 13
				Max M _T	-23.11	0.17	3.47	0.04	1.18	-0.08	CO 4
				Min M _T	-11.87	-0.06	1.51	0.00	0.46	0.00	CO 14
				Max M _y	-23.10	0.17	3.47	0.04	1.18	-0.08	CO 3
				Min M _y	-11.87	-0.06	1.51	0.00	0.46	0.00	CO 14
				Max M _z	-11.94	-0.06	1.52	0.00	0.46	0.00	CO 10
				Min M _z	-23.04	0.17	3.47	0.04	1.18	-0.08	CO 8
			0.464 Right	Max N	-11.86	-0.06	1.51	0.00	0.46	0.00	CO 13
				Min N	-23.15	0.17	3.48	0.04	1.18	-0.08	CO 6
				Max V _y	-23.04	0.17	3.47	0.04	1.18	-0.08	CO 8
				Min V _y	-11.93	-0.07	1.51	0.00	0.46	0.00	CO 9
				Max V _z	-23.15	0.17	3.48	0.04	1.18	-0.08	CO 6
				Min V _z	-11.86	-0.06	1.51	0.00	0.46	0.00	CO 13
				Max M _T	-23.11	0.17	3.47	0.04	1.18	-0.08	CO 4
				Min M _T	-11.87	-0.06	1.51	0.00	0.46	0.00	CO 14
				Max M _y	-23.10	0.17	3.47	0.04	1.18	-0.08	CO 3
				Min M _y	-11.87	-0.06	1.51	0.00	0.46	0.00	CO 14
				Max M _z	-11.94	-0.06	1.52	0.00	0.46	0.00	CO 10
				Min M _z	-23.04	0.17	3.47	0.04	1.18	-0.08	CO 8
			0.928 Left	Max N	-11.86	-0.06	1.54	0.00	1.17	0.03	CO 13
				Min N	-23.15	0.16	3.82	0.04	2.91	-0.15	CO 6
				Max V _y	-23.05	0.16	3.81	0.04	2.90	-0.15	CO 8
				Min V _y	-11.93	-0.06	1.55	0.00	1.17	0.03	CO 9
				Max V _z	-23.15	0.16	3.82	0.04	2.91	-0.15	CO 6
				Min V _z	-11.86	-0.06	1.54	0.00	1.17	0.03	CO 13
				Max M _T	-23.12	0.15	3.82	0.04	2.91	-0.15	CO 4
				Min M _T	-11.87	-0.06	1.55	0.00	1.17	0.03	CO 14
				Max M _y	-23.15	0.16	3.82	0.04	2.91	-0.15	CO 6
				Min M _y	-11.86	-0.06	1.54	0.00	1.17	0.03	CO 13
				Max M _z	-11.93	-0.06	1.55	0.00	1.17	0.03	CO 9
				Min M _z	-23.05	0.16	3.81	0.04	2.90	-0.15	CO 8
		103	0.928 Right	Max N	-11.86	-0.06	1.54	0.00	1.17	0.03	CO 13
				Min N	-23.15	0.16	3.82	0.04	2.91	-0.15	CO 6
				Max V _y	-23.05	0.16	3.81	0.04	2.90	-0.15	CO 8
				Min V _y	-11.93	-0.06	1.55	0.00	1.17	0.03	CO 9
				Max V _z	-23.15	0.16	3.82	0.04	2.91	-0.15	CO 6
				Min V _z	-11.86	-0.06	1.54	0.00	1.17	0.03	CO 13

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
160	RC1	107	0.000 Left	Max M _T	-23.12	0.15	3.82	▷ 0.04	2.91	-0.15	CO 4
				Min M _T	-11.87	-0.06	1.55	▷ 0.00	1.17	0.03	CO 14
				Max M _y	-23.15	0.16	3.82	▷ 0.04	2.91	-0.15	CO 6
				Min M _y	-11.86	-0.06	1.54	▷ 0.00	1.17	0.03	CO 13
				Max M _z	-11.93	-0.06	1.55	▷ 0.00	1.17	0.03	CO 9
				Min M _z	-23.05	0.16	3.81	▷ 0.04	2.90	-0.15	CO 8
				Max N	-8.34	-0.04	1.03	▷ 0.00	-0.16	-0.02	CO 27
				Min N	-16.69	0.13	2.22	▷ 0.03	-0.23	0.01	CO 20
				Max V _y	-16.61	▷ 0.13	2.22	▷ 0.03	-0.23	0.01	CO 22
				Min V _y	-8.39	▷ -0.05	1.03	▷ 0.00	-0.17	-0.02	CO 23
	RC2	107	0.000 Left	Max V _z	-16.69	0.13	▷ 2.22	▷ 0.03	-0.23	0.01	CO 20
				Min V _z	-8.34	-0.04	▷ 1.03	▷ 0.00	-0.16	-0.02	CO 27
				Max M _T	-16.66	0.13	2.22	▷ 0.03	-0.23	0.00	CO 17
				Min M _T	-8.34	-0.04	1.03	▷ 0.00	-0.17	-0.02	CO 28
				Max M _y	-8.34	-0.04	1.03	▷ 0.00	-0.16	-0.02	CO 27
				Min M _y	-16.69	0.13	2.22	▷ 0.03	-0.23	0.01	CO 20
				Max M _z	-16.61	0.13	2.22	▷ 0.03	-0.23	0.01	CO 22
				Min M _z	-8.39	-0.05	1.03	▷ 0.00	-0.17	-0.02	CO 23
			0.000 Right	Max N	-8.34	-0.04	1.03	▷ 0.00	-0.16	-0.02	CO 27
				Min N	-16.69	0.13	2.22	▷ 0.03	-0.23	0.01	CO 20
				Max V _y	-16.61	▷ 0.13	2.22	▷ 0.03	-0.23	0.01	CO 22
				Min V _y	-8.39	▷ -0.05	1.03	▷ 0.00	-0.17	-0.02	CO 23
				Max V _z	-16.69	0.13	▷ 2.22	▷ 0.03	-0.23	0.01	CO 20
				Min V _z	-8.34	-0.04	▷ 1.03	▷ 0.00	-0.16	-0.02	CO 27
				Max M _T	-16.66	0.13	2.22	▷ 0.03	-0.23	0.00	CO 17
				Min M _T	-8.34	-0.04	1.03	▷ 0.00	-0.17	-0.02	CO 28
				Max M _y	-8.34	-0.04	1.03	▷ 0.00	-0.16	-0.02	CO 27
				Min M _y	-16.69	0.13	2.22	▷ 0.03	-0.23	0.01	CO 20
	RC2	107	0.464 Left	Max M _z	-16.61	0.13	2.22	▷ 0.03	-0.23	0.01	CO 22
				Min M _z	-8.39	-0.05	1.03	▷ 0.00	-0.17	-0.02	CO 23
				Max N	-8.34	-0.04	1.06	▷ 0.00	0.32	0.00	CO 27
				Min N	-16.69	0.13	2.51	▷ 0.03	0.85	-0.06	CO 20
				Max V _y	-16.61	▷ 0.13	2.51	▷ 0.03	0.85	-0.06	CO 22
				Min V _y	-8.39	▷ -0.05	1.07	▷ 0.00	0.32	0.00	CO 23
				Max V _z	-16.69	0.13	▷ 2.51	▷ 0.03	0.85	-0.06	CO 20
				Min V _z	-8.34	-0.04	▷ 1.06	▷ 0.00	0.32	0.00	CO 27
				Max M _T	-16.67	0.13	▷ 2.51	▷ 0.03	0.85	-0.06	CO 18
				Min M _T	-8.34	-0.04	1.06	▷ 0.00	0.32	0.00	CO 28
	RC2	107	0.464 Right	Max M _y	-16.66	0.13	2.51	▷ 0.03	0.85	-0.06	CO 17
				Min M _y	-8.34	-0.04	1.06	▷ 0.00	0.32	0.00	CO 28
				Max M _z	-8.40	-0.04	1.07	▷ 0.00	0.32	0.00	CO 24
				Min M _z	-16.61	0.13	2.51	▷ 0.03	0.85	-0.06	CO 22
				Max N	-8.34	-0.04	1.06	▷ 0.00	0.32	0.00	CO 27
				Min N	-16.69	0.13	2.51	▷ 0.03	0.85	-0.06	CO 20
				Max V _y	-16.61	▷ 0.13	2.51	▷ 0.03	0.85	-0.06	CO 22
				Min V _y	-8.39	-0.05	1.07	▷ 0.00	0.32	0.00	CO 23
				Max V _z	-16.69	0.13	▷ 2.51	▷ 0.03	0.85	-0.06	CO 20
				Min V _z	-8.34	-0.04	▷ 1.06	▷ 0.00	0.32	0.00	CO 27
	RC2	107	0.928 Left	Max M _T	-16.67	0.13	2.51	▷ 0.03	0.85	-0.06	CO 18
				Min M _T	-8.34	-0.04	1.06	▷ 0.00	0.32	0.00	CO 28
				Max M _y	-16.66	0.13	2.51	▷ 0.03	0.85	-0.06	CO 17
				Min M _y	-8.34	-0.04	1.06	▷ 0.00	0.32	0.00	CO 28
				Max M _z	-8.40	-0.04	1.07	▷ 0.00	0.32	0.00	CO 24
				Min M _z	-16.61	0.13	2.51	▷ 0.03	0.85	-0.06	CO 22
				Max N	-8.34	-0.04	1.09	▷ 0.00	0.82	0.02	CO 27
				Min N	-16.70	0.12	2.78	▷ 0.03	2.11	-0.11	CO 20
				Max V _y	-16.62	▷ 0.12	2.77	▷ 0.03	2.10	-0.11	CO 22
				Min V _y	-8.39	▷ -0.04	1.09	▷ 0.00	0.82	0.02	CO 23
	RC2	107	0.928 Left	Max V _z	-16.70	0.12	▷ 2.78	▷ 0.03	2.11	-0.11	CO 20
				Min V _z	-8.34	-0.04	▷ 1.09	▷ 0.00	0.82	0.02	CO 27
				Max M _T	-16.67	0.12	2.78	▷ 0.03	2.10	-0.11	CO 18
				Min M _T	-8.34	-0.04	1.09	▷ 0.00	0.82	0.02	CO 28
				Max M _y	-16.70	0.12	2.78	▷ 0.03	2.11	-0.11	CO 20
				Min M _y	-8.34	-0.04	1.09	▷ 0.00	0.82	0.02	CO 27
				Max M _z	-8.39	-0.04	1.09	▷ 0.00	0.82	0.02	CO 23
				Min M _z	-16.62	0.12	2.77	▷ 0.03	2.10	-0.11	CO 22
			0.928 Right	Max N	-8.34	-0.04	1.09	▷ 0.00	0.82	0.02	CO 27
				Min N	-16.70	0.12	2.78	▷ 0.03	2.11	-0.11	CO 20
				Max V _y	-16.62	▷ 0.12	2.77	▷ 0.03	2.10	-0.11	CO 22
				Min V _y	-8.39	▷ -0.04	1.09	▷ 0.00	0.82	0.02	CO 23
				Max V _z	-16.70	0.12	▷ 2.78	▷ 0.03	2.11	-0.11	CO 20
				Min V _z	-8.34	-0.04	▷ 1.09	▷ 0.00	0.82	0.02	CO 27
				Max M _T	-16.67	0.12	2.78	▷ 0.03	2.10	-0.11	CO 18
				Min M _T	-8.34	-0.04	1.09	▷ 0.00	0.82	0.02	CO 28
				Max M _y	-16.70	0.12	2.78	▷ 0.03	2.11	-0.11	CO 20
				Min M _y	-8.34	-0.04	1.09	▷ 0.00	0.82	0.02	CO 27
	RC6	107	0.000 Left	Max M _z	-8.39	-0.04	1.09	▷ 0.00	0.82	0.02	CO 23
				Min M _z	-16.62	0.12	2.77	▷ 0.03	2.10	-0.11	CO 22
				Max N	-9.34	0.64	2.33	▷ 0.03	-0.96	0.45	LC 1-4
				Min N	-18.80	-0.34	1.41	▷ 0.02	0.57	-0.44	LC 1-5
				Max V _y	-13.01	▷ 1.96	2.26	▷ 0.03	-0.49	1.00	LC 1-5
				Min V _y	-15.12	▷ -1.66	1.48	▷ 0.03	0.11	-0.99	LC 1-4
				Max V _z	-12.43	0.70	▷ 3.11	▷ 0.04	-0.84	0.29	LC 1-5
				Min V _z	-15.71	-0.41	▷ 0.63	▷ 0.02	0.46	-0.28	LC 1-4
				Max M _T	-13.40	0.13	2.02	▷ 0.08	-0.14	-0.08	LC 1-4
				Min M _T	-14.74	0.17	1.72	▷ -0.02	-0.24	0.08	LC 1-5
				Max M _y	-17.78	-0.45	0.99	▷ 0.03	0.72	-0.42	LC 1-4
	RC6	107	0.000 Left	Min M _y	-10.36	0.74	2.75	▷ 0.02	-1.10	0.43	LC 1-5
				Max M _z	-12.52	1.76	2.21	▷ 0.02	-0.54	1.13	LC 1-5
				Min M _z	-15.61	-1.46	1.53	▷ 0.03	0.16	-1.12	LC 1-4
				Max N	-9.34	0.64	2.33	▷ 0.03	-0.96	0.45	LC 1-4
				Min N	-18.80	-0.34	1.41	▷ 0.02	0.57	-0.44	LC 1-5

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z		
160	RC6		0.464 Left	Max V _y	-13.01	1.96	2.26	0.03	-0.49	1.00	LC 1-5
				Min V _y	-15.12	-1.66	1.48	0.03	0.11	-0.99	LC 1-4
				Max V _z	-12.43	0.70	3.11	0.04	-0.84	0.29	LC 1-5
				Min V _z	-15.71	-0.41	0.63	0.02	0.46	-0.28	LC 1-4
				Max M _T	-13.40	0.13	2.02	0.08	-0.14	-0.08	LC 1-4
				Min M _T	-14.74	0.17	1.72	-0.02	-0.24	0.08	LC 1-5
				Max M _y	-17.78	-0.45	0.99	0.03	0.72	-0.42	LC 1-4
				Min M _y	-10.36	0.74	2.75	0.02	-1.10	0.43	LC 1-5
				Max M _z	-12.52	1.76	2.21	0.02	-0.54	1.13	LC 1-5
				Min M _z	-15.61	-1.46	1.53	0.03	0.16	-1.12	LC 1-4
				Max N	-9.34	0.63	2.63	0.03	0.17	0.15	LC 1-4
				Min N	-18.80	-0.35	1.70	0.02	1.27	-0.28	LC 1-5
				Max V _y	-13.01	1.95	2.56	0.03	0.61	0.09	LC 1-5
				Min V _y	-15.12	-1.67	1.77	0.03	0.84	-0.22	LC 1-4
				Max V _z	-12.43	0.70	3.40	0.04	0.65	-0.03	LC 1-5
				Min V _z	-15.71	-0.41	0.93	0.02	0.80	-0.09	LC 1-4
				Max M _T	-13.40	0.12	2.31	0.08	0.84	-0.14	LC 1-4
				Min M _T	-14.74	0.16	2.02	-0.02	0.60	0.01	LC 1-5
				Max M _y	-17.90	-0.19	2.02	0.04	1.37	-0.25	LC 1-4
				Min M _y	-10.23	0.48	2.31	0.02	0.08	0.12	LC 1-5
				Max M _z	-12.29	0.63	2.21	0.02	0.50	0.48	LC 1-5
				Min M _z	-15.84	-0.34	2.12	0.04	0.95	-0.61	LC 1-4
				Max N	-9.34	0.63	2.63	0.03	0.17	0.15	LC 1-4
				Min N	-18.80	-0.35	1.70	0.02	1.27	-0.28	LC 1-5
				Max V _y	-13.01	1.95	2.56	0.03	0.61	0.09	LC 1-5
				Min V _y	-15.12	-1.67	1.77	0.03	0.84	-0.22	LC 1-4
				Max V _z	-12.43	0.70	3.40	0.04	0.65	-0.03	LC 1-5
				Min V _z	-15.71	-0.41	0.93	0.02	0.80	-0.09	LC 1-4
				Max M _T	-13.40	0.12	2.31	0.08	0.84	-0.14	LC 1-4
				Min M _T	-14.74	0.16	2.02	-0.02	0.60	0.01	LC 1-5
				Max M _y	-17.90	-0.19	2.02	0.04	1.37	-0.25	LC 1-4
				Min M _y	-10.23	0.48	2.31	0.02	0.08	0.12	LC 1-5
				Max M _z	-12.29	0.63	2.21	0.02	0.50	0.48	LC 1-5
				Min M _z	-15.84	-0.34	2.12	0.04	0.95	-0.61	LC 1-4
				Max N	-9.34	0.63	2.92	0.03	1.48	-0.14	LC 1-4
				Min N	-18.80	-0.35	2.00	0.02	2.15	-0.12	LC 1-5
				Max V _y	-13.01	1.95	2.85	0.03	1.88	-0.81	LC 1-5
				Min V _y	-15.12	-1.67	2.07	0.03	1.75	0.55	LC 1-4
				Max V _z	-12.43	0.69	3.70	0.04	2.32	-0.36	LC 1-5
				Min V _z	-15.71	-0.42	1.22	0.02	1.32	0.10	LC 1-4
				Max M _T	-13.40	0.12	2.60	0.08	2.00	-0.19	LC 1-4
				Min M _T	-14.74	0.16	2.31	-0.02	1.63	-0.07	LC 1-5
				Max M _y	-16.09	0.25	3.22	0.04	2.63	-0.31	LC 1-5
				Min M _y	-12.05	0.02	1.70	0.01	1.01	0.05	LC 1-4
				Max M _z	-14.01	-1.29	2.13	0.02	1.64	0.73	LC 1-4
				Min M _z	-14.12	1.57	2.79	0.04	1.99	-0.99	LC 1-5
				Max N	-9.34	0.63	2.92	0.03	1.48	-0.14	LC 1-4
				Min N	-18.80	-0.35	2.00	0.02	2.15	-0.12	LC 1-5
				Max V _y	-13.01	1.95	2.85	0.03	1.88	-0.81	LC 1-5
				Min V _y	-15.12	-1.67	2.07	0.03	1.75	0.55	LC 1-4
Max V _z	-12.43	0.69	3.70	0.04	2.32	-0.36	LC 1-5				
Min V _z	-15.71	-0.42	1.22	0.02	1.32	0.10	LC 1-4				
Max M _T	-13.40	0.12	2.60	0.08	2.00	-0.19	LC 1-4				
Min M _T	-14.74	0.16	2.31	-0.02	1.63	-0.07	LC 1-5				
Max M _y	-16.09	0.25	3.22	0.04	2.63	-0.31	LC 1-5				
Min M _y	-12.05	0.02	1.70	0.01	1.01	0.05	LC 1-4				
Max M _z	-14.01	-1.29	2.13	0.02	1.64	0.73	LC 1-4				
Min M _z	-14.12	1.57	2.79	0.04	1.99	-0.99	LC 1-5				
173	RC1	90	0.000 Left	Max N	-6.43	-0.08	-0.77	0.00	1.03	-0.10	CO 9
				Min N	-7.73	-0.41	-3.84	0.05	4.90	-0.43	CO 8
				Max V _y	-6.43	-0.08	-0.77	0.00	1.03	-0.10	CO 9
				Min V _y	-7.73	-0.41	-3.84	0.05	4.90	-0.43	CO 8
				Max V _z	-6.46	-0.08	-0.77	0.00	1.03	-0.11	CO 13
				Min V _z	-7.70	-0.41	-3.85	0.05	4.90	-0.43	CO 4
				Max M _T	-7.73	-0.41	-3.84	0.05	4.90	-0.43	CO 8
				Min M _T	-6.43	-0.08	-0.77	0.00	1.03	-0.10	CO 9
				Max M _y	-7.70	-0.41	-3.85	0.05	4.90	-0.43	CO 6
				Min M _y	-6.46	-0.08	-0.77	0.00	1.03	-0.11	CO 13
				Max M _z	-6.43	-0.08	-0.77	0.00	1.03	-0.10	CO 9
				Min M _z	-7.73	-0.41	-3.84	0.05	4.90	-0.43	CO 8
				Max N	-6.43	-0.08	-0.77	0.00	1.03	-0.10	CO 9
				Min N	-7.73	-0.41	-3.84	0.05	4.90	-0.43	CO 8
				Max V _y	-6.43	-0.08	-0.77	0.00	1.03	-0.10	CO 9
				Min V _y	-7.73	-0.41	-3.84	0.05	4.90	-0.43	CO 8
				Max V _z	-6.46	-0.08	-0.77	0.00	1.03	-0.11	CO 13
				Min V _z	-7.70	-0.41	-3.85	0.05	4.90	-0.43	CO 4
				Max M _T	-7.73	-0.41	-3.84	0.05	4.90	-0.43	CO 8
				Min M _T	-6.43	-0.08	-0.77	0.00	1.03	-0.10	CO 9
				Max M _y	-7.70	-0.41	-3.85	0.05	4.90	-0.43	CO 6
				Min M _y	-6.46	-0.08	-0.77	0.00	1.03	-0.11	CO 13
				Max M _z	-6.43	-0.08	-0.77	0.00	1.03	-0.10	CO 9
				Min M _z	-7.73	-0.41	-3.84	0.05	4.90	-0.43	CO 8
				Max N	-6.42	-0.08	-0.75	0.00	0.87	-0.09	CO 9
				Min N	-7.71	-0.39	-3.76	0.05	4.10	-0.35	CO 8
				Max V _y	-6.42	-0.08	-0.75	0.00	0.87	-0.09	CO 9
				Min V _y	-7.71	-0.39	-3.76	0.05	4.10	-0.35	CO 8
				Max V _z	-6.45	-0.08	-0.75	0.00	0.87	-0.09	CO 13
				Min V _z	-7.68	-0.39	-3.76	0.05	4.10	-0.35	CO 4
				Max M _T	-7.71	-0.39	-3.76	0.05	4.10	-0.35	CO 8
				Min M _T	-6.42	-0.08	-0.75	0.00	0.87	-0.09	CO 9
				Max M _y	-7.68	-0.39	-3.76	0.05	4.10	-0.35	CO 6
				Min M _y	-6.45	-0.08	-0.75	0.00	0.87	-0.09	CO 13

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
173	RC1		0.211 Right	Max M _z	-6.42	-0.08	-0.75	0.00	0.87	-0.09	CO 9
				Min M _z	-7.71	-0.39	-3.76	0.05	4.10	-0.35	CO 8
				Max N	-6.42	-0.08	-0.75	0.00	0.87	-0.09	CO 9
				Min N	-7.71	-0.39	-3.76	0.05	4.10	-0.35	CO 8
				Max V _y	-6.42	-0.08	-0.75	0.00	0.87	-0.09	CO 9
				Min V _y	-7.71	-0.39	-3.76	0.05	4.10	-0.35	CO 8
				Max V _z	-6.45	-0.08	-0.75	0.00	0.87	-0.09	CO 13
				Min V _z	-7.68	-0.39	-3.76	0.05	4.10	-0.35	CO 4
				Max M _T	-7.71	-0.39	-3.76	0.05	4.10	-0.35	CO 8
				Min M _T	-6.42	-0.08	-0.75	0.00	0.87	-0.09	CO 9
				Max M _y	-7.68	-0.39	-3.76	0.05	4.10	-0.35	CO 6
				Min M _y	-6.45	-0.08	-0.75	0.00	0.87	-0.09	CO 13
				Max M _z	-6.42	-0.08	-0.75	0.00	0.87	-0.09	CO 9
				Min M _z	-7.71	-0.39	-3.76	0.05	4.10	-0.35	CO 8
				Max N	-6.38	-0.09	-0.66	0.00	0.11	0.00	CO 9
				Min N	-7.66	-0.19	-2.93	0.05	0.50	-0.04	CO 8
				Max V _y	-6.38	-0.09	-0.66	0.00	0.11	0.00	CO 9
				Min V _y	-7.66	-0.19	-2.93	0.05	0.50	-0.04	CO 8
				Max V _z	-6.41	-0.09	-0.66	0.00	0.11	0.00	CO 13
				Min V _z	-7.62	-0.19	-2.93	0.05	0.50	-0.04	CO 4
				Max M _T	-7.64	-0.19	-2.93	0.05	0.50	-0.04	CO 7
				Min M _T	-6.39	-0.09	-0.66	0.00	0.11	0.01	CO 10
				Max M _y	-7.62	-0.19	-2.93	0.05	0.50	-0.04	CO 6
				Min M _y	-6.41	-0.09	-0.66	0.00	0.11	0.00	CO 13
				Max M _z	-6.42	-0.09	-0.66	0.00	0.11	0.01	CO 14
				Min M _z	-7.61	-0.19	-2.93	0.05	0.50	-0.04	CO 3
		151	1.284 Right	Max N	-6.38	-0.09	-0.66	0.00	0.11	0.00	CO 9
				Min N	-7.66	-0.19	-2.93	0.05	0.50	-0.04	CO 8
				Max V _y	-6.38	-0.09	-0.66	0.00	0.11	0.00	CO 9
				Min V _y	-7.66	-0.19	-2.93	0.05	0.50	-0.04	CO 8
				Max V _z	-6.41	-0.09	-0.66	0.00	0.11	0.00	CO 13
				Min V _z	-7.62	-0.19	-2.93	0.05	0.50	-0.04	CO 4
				Max M _T	-7.64	-0.19	-2.93	0.05	0.50	-0.04	CO 7
				Min M _T	-6.39	-0.09	-0.66	0.00	0.11	0.01	CO 10
				Max M _y	-7.62	-0.19	-2.93	0.05	0.50	-0.04	CO 6
				Min M _y	-6.41	-0.09	-0.66	0.00	0.11	0.00	CO 13
				Max M _z	-6.42	-0.09	-0.66	0.00	0.11	0.01	CO 14
				Min M _z	-7.61	-0.19	-2.93	0.05	0.50	-0.04	CO 3
	RC2	90	0.000 Left	Max N	-4.77	-0.06	-0.53	0.00	0.71	-0.07	CO 23
				Min N	-5.74	-0.30	-2.82	0.03	3.57	-0.32	CO 22
				Max V _y	-4.77	-0.06	-0.53	0.00	0.71	-0.07	CO 23
				Min V _y	-5.74	-0.30	-2.82	0.03	3.57	-0.32	CO 22
				Max V _z	-4.80	-0.06	-0.53	0.00	0.71	-0.07	CO 27
				Min V _z	-5.72	-0.30	-2.82	0.03	3.57	-0.32	CO 18
				Max M _T	-5.74	-0.30	-2.82	0.03	3.57	-0.32	CO 22
				Min M _T	-4.78	-0.06	-0.53	0.00	0.71	-0.08	CO 24
				Max M _y	-5.72	-0.30	-2.82	0.03	3.57	-0.32	CO 18
				Min M _y	-4.80	-0.06	-0.53	0.00	0.71	-0.07	CO 27
				Max M _z	-4.77	-0.06	-0.53	0.00	0.71	-0.07	CO 23
				Min M _z	-5.74	-0.30	-2.82	0.03	3.57	-0.32	CO 22
			0.000 Right	Max N	-4.77	-0.06	-0.53	0.00	0.71	-0.07	CO 23
				Min N	-5.74	-0.30	-2.82	0.03	3.57	-0.32	CO 22
				Max V _y	-4.77	-0.06	-0.53	0.00	0.71	-0.07	CO 23
				Min V _y	-5.74	-0.30	-2.82	0.03	3.57	-0.32	CO 22
				Max V _z	-4.80	-0.06	-0.53	0.00	0.71	-0.07	CO 27
				Min V _z	-5.72	-0.30	-2.82	0.03	3.57	-0.32	CO 18
				Max M _T	-5.74	-0.30	-2.82	0.03	3.57	-0.32	CO 22
				Min M _T	-4.78	-0.06	-0.53	0.00	0.71	-0.08	CO 24
				Max M _y	-5.72	-0.30	-2.82	0.03	3.57	-0.32	CO 18
				Min M _y	-4.80	-0.06	-0.53	0.00	0.71	-0.07	CO 27
				Max M _z	-4.77	-0.06	-0.53	0.00	0.71	-0.07	CO 23
				Min M _z	-5.74	-0.30	-2.82	0.03	3.57	-0.32	CO 22
			0.211 Left	Max N	-4.77	-0.06	-0.52	0.00	0.60	-0.06	CO 23
				Min N	-5.73	-0.29	-2.75	0.03	2.98	-0.25	CO 22
				Max V _y	-4.77	-0.06	-0.52	0.00	0.60	-0.06	CO 23
				Min V _y	-5.73	-0.29	-2.75	0.03	2.98	-0.25	CO 22
				Max V _z	-4.79	-0.06	-0.52	0.00	0.60	-0.06	CO 27
				Min V _z	-5.71	-0.29	-2.75	0.03	2.98	-0.25	CO 18
				Max M _T	-5.73	-0.29	-2.75	0.03	2.98	-0.25	CO 22
				Min M _T	-4.77	-0.06	-0.52	0.00	0.60	-0.06	CO 24
				Max M _y	-5.71	-0.29	-2.75	0.03	2.98	-0.25	CO 20
				Min M _y	-4.79	-0.06	-0.52	0.00	0.60	-0.06	CO 27
				Max M _z	-4.77	-0.06	-0.52	0.00	0.60	-0.06	CO 23
				Min M _z	-5.73	-0.29	-2.75	0.03	2.98	-0.25	CO 22
			0.211 Right	Max N	-4.77	-0.06	-0.52	0.00	0.60	-0.06	CO 23
				Min N	-5.73	-0.29	-2.75	0.03	2.98	-0.25	CO 22
				Max V _y	-4.77	-0.06	-0.52	0.00	0.60	-0.06	CO 23
				Min V _y	-5.73	-0.29	-2.75	0.03	2.98	-0.25	CO 22
				Max V _z	-4.79	-0.06	-0.52	0.00	0.60	-0.06	CO 27
				Min V _z	-5.71	-0.29	-2.75	0.03	2.98	-0.25	CO 18
				Max M _T	-5.73	-0.29	-2.75	0.03	2.98	-0.25	CO 22
				Min M _T	-4.77	-0.06	-0.52	0.00	0.60	-0.06	CO 24
				Max M _y	-5.71	-0.29	-2.75	0.03	2.98	-0.25	CO 20
				Min M _y	-4.79	-0.06	-0.52	0.00	0.60	-0.06	CO 27
				Max M _z	-4.77	-0.06	-0.52	0.00	0.60	-0.06	CO 23
				Min M _z	-5.73	-0.29	-2.75	0.03	2.98	-0.25	CO 22
		1.284 Left		Max N	-4.74	-0.06	-0.45	0.00	0.07	0.00	CO 23
				Min N	-5.70	-0.13	-2.13	0.03	0.36	-0.03	CO 22
				Max V _y	-4.74	-0.06	-0.45	0.00	0.07	0.00	CO 23
				Min V _y	-5.70	-0.13	-2.13	0.03	0.36	-0.03	CO 22
				Max V _z	-4.76	-0.06	-0.45	0.00	0.07	0.00	CO 27
				Min V _z	-5.67	-0.13	-2.13	0.03	0.36	-0.03	CO 18

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z			
173	RC2	151	1.284 Right	Max M _T	-5.69	-0.13	-2.13	▷	0.03	0.36	-0.03	CO 21
				Min M _T	-4.74	-0.06	-0.45		0.00	0.08	0.00	CO 24
				Max M _y	-5.67	-0.13	-2.13	▷	0.03	0.36	-0.03	CO 20
				Min M _y	-4.76	-0.06	-0.45		0.00	0.07	0.00	CO 27
				Max M _z	-4.77	-0.06	-0.45		0.00	0.08	0.00	CO 28
				Min M _z	-5.66	-0.13	-2.13	▷	0.03	0.36	-0.03	CO 17
				Max N	-4.74	-0.06	-0.45		0.00	0.07	0.00	CO 23
				Min N	-5.70	-0.13	-2.13	▷	0.03	0.36	-0.03	CO 22
				Max V _y	-4.74	-0.06	-0.45		0.00	0.07	0.00	CO 23
				Min V _y	-5.70	-0.13	-2.13	▷	0.03	0.36	-0.03	CO 22
				Max V _z	-4.76	-0.06	-0.45		0.00	0.07	0.00	CO 27
				Min V _z	-5.67	-0.13	-2.13	▷	0.03	0.36	-0.03	CO 18
				Max M _T	-5.69	-0.13	-2.13	▷	0.03	0.36	-0.03	CO 21
				Min M _T	-4.74	-0.06	-0.45		0.00	0.08	0.00	CO 24
				Max M _y	-5.67	-0.13	-2.13	▷	0.03	0.36	-0.03	CO 20
				Min M _y	-4.76	-0.06	-0.45		0.00	0.07	0.00	CO 27
				Max M _z	-4.77	-0.06	-0.45		0.00	0.08	0.00	CO 28
				RC6	90	0.000 Left	Min M _z	-5.66	-0.13	-2.13		0.03
	Max N	-0.03	-0.28				-2.52	▷	0.04	3.04	-0.27	LC 1-5
	Min N	-14.67	-0.31				-2.55	▷	0.03	3.18	-0.31	LC 1-4
	Max V _y	-3.72	-0.23				-1.77	▷	0.02	2.00	-0.19	LC 1-5
	Min V _y	-10.98	-0.35				-3.30	▷	0.05	4.21	-0.39	LC 1-4
	Max V _z	-6.67	-0.25				-1.56	▷	0.01	1.80	-0.20	LC 1-5
	Min V _z	-8.02	-0.34				-3.51	▷	0.06	4.41	-0.38	LC 1-4
	Max M _T	-7.24	-0.34				-3.50	▷	0.06	4.38	-0.37	LC 1-5
	Min M _T	-7.45	-0.25				-1.58	▷	0.01	1.83	-0.21	LC 1-4
	Max M _y	-8.34	-0.34				-3.50	▷	0.06	4.42	-0.38	LC 1-5
	Min M _y	-6.35	-0.24				-1.57	▷	0.01	1.79	-0.20	LC 1-4
	Max M _z	-4.12	-0.23				-1.70	▷	0.01	1.91	-0.19	LC 1-5
	0.000 Right	Min M _z	-10.58		-0.35	-3.38	▷	0.05	4.30	-0.39	LC 1-4	
		Max N	-0.03		-0.28	-2.52	▷	0.04	3.04	-0.27	LC 1-5	
		Min N	-14.67		-0.31	-2.55	▷	0.03	3.18	-0.31	LC 1-4	
		Max V _y	-3.72		-0.23	-1.77	▷	0.02	2.00	-0.19	LC 1-5	
		Min V _y	-10.98		-0.35	-3.30	▷	0.05	4.21	-0.39	LC 1-4	
		Max V _z	-6.67		-0.25	-1.56	▷	0.01	1.80	-0.20	LC 1-5	
		Min V _z	-8.02		-0.34	-3.51	▷	0.06	4.41	-0.38	LC 1-4	
		Max M _T	-7.24		-0.34	-3.50	▷	0.06	4.38	-0.37	LC 1-5	
		Min M _T	-7.45		-0.25	-1.58	▷	0.01	1.83	-0.21	LC 1-4	
		Max M _y	-8.34		-0.34	-3.50	▷	0.06	4.42	-0.38	LC 1-5	
		Min M _y	-6.35		-0.24	-1.57	▷	0.01	1.79	-0.20	LC 1-4	
		Max M _z	-4.12		-0.23	-1.70	▷	0.01	1.91	-0.19	LC 1-5	
	0.211 Left	Min M _z	-10.58		-0.35	-3.38	▷	0.05	4.30	-0.39	LC 1-4	
		Max N	-0.02		-0.26	-2.45	▷	0.04	2.51	-0.21	LC 1-5	
		Min N	-14.66		-0.29	-2.48	▷	0.03	2.64	-0.25	LC 1-4	
		Max V _y	-3.71		-0.21	-1.69	▷	0.02	1.63	-0.14	LC 1-5	
		Min V _y	-10.97		-0.34	-3.23	▷	0.05	3.52	-0.31	LC 1-4	
		Max V _z	-6.67		-0.23	-1.49	▷	0.01	1.48	-0.15	LC 1-5	
		Min V _z	-8.02		-0.32	-3.43	▷	0.06	3.68	-0.30	LC 1-4	
		Max M _T	-7.24		-0.32	-3.42	▷	0.06	3.65	-0.30	LC 1-5	
		Min M _T	-7.45		-0.23	-1.50	▷	0.01	1.50	-0.16	LC 1-4	
		Max M _y	-8.41		-0.33	-3.43	▷	0.06	3.69	-0.31	LC 1-5	
		Min M _y	-6.28		-0.22	-1.50	▷	0.01	1.47	-0.15	LC 1-4	
		Max M _z	-4.19		-0.22	-1.61	▷	0.01	1.55	-0.14	LC 1-5	
	0.211 Right	Min M _z	-10.49		-0.34	-3.31	▷	0.05	3.60	-0.32	LC 1-4	
		Max N	-0.02		-0.26	-2.45	▷	0.04	2.51	-0.21	LC 1-5	
		Min N	-14.66		-0.29	-2.48	▷	0.03	2.64	-0.25	LC 1-4	
		Max V _y	-3.71		-0.21	-1.69	▷	0.02	1.63	-0.14	LC 1-5	
		Min V _y	-10.97		-0.34	-3.23	▷	0.05	3.52	-0.31	LC 1-4	
		Max V _z	-6.67		-0.23	-1.49	▷	0.01	1.48	-0.15	LC 1-5	
		Min V _z	-8.02		-0.32	-3.43	▷	0.06	3.68	-0.30	LC 1-4	
		Max M _T	-7.24		-0.32	-3.42	▷	0.06	3.65	-0.30	LC 1-5	
		Min M _T	-7.45		-0.23	-1.50	▷	0.01	1.50	-0.16	LC 1-4	
		Max M _y	-8.41		-0.33	-3.43	▷	0.06	3.69	-0.31	LC 1-5	
		Min M _y	-6.28		-0.22	-1.50	▷	0.01	1.47	-0.15	LC 1-4	
		Max M _z	-4.19		-0.22	-1.61	▷	0.01	1.55	-0.14	LC 1-5	
	1.284 Left	Min M _z	-10.49		-0.34	-3.31	▷	0.05	3.60	-0.32	LC 1-4	
		Max N	0.01		-0.09	-1.80	▷	0.04	0.24	-0.02	LC 1-5	
		Min N	-14.63		-0.13	-1.83	▷	0.03	0.34	-0.02	LC 1-4	
		Max V _y	-3.68		-0.05	-1.05	▷	0.02	0.17	-0.00	LC 1-5	
		Min V _y	-10.94		-0.17	-2.58	▷	0.05	0.41	-0.04	LC 1-4	
		Max V _z	-6.64		-0.06	-0.84	▷	0.01	0.23	0.00	LC 1-5	
		Min V _z	-7.99		-0.16	-2.78	▷	0.06	0.35	-0.05	LC 1-4	
		Max M _T	-7.21		-0.15	-2.77	▷	0.06	0.33	-0.05	LC 1-5	
		Min M _T	-7.42		-0.06	-0.85	▷	0.01	0.24	0.00	LC 1-4	
		Max M _y	-10.00		-0.16	-2.24	▷	0.04	0.44	-0.04	LC 1-5	
		Min M _y	-4.62		-0.06	-1.38	▷	0.03	0.14	-0.01	LC 1-4	
		Max M _z	-6.64		-0.06	-0.85	▷	0.01	0.22	0.00	LC 1-4	
	151	1.284 Right	Min M _z		-7.99	-0.16	-2.77	▷	0.06	0.35	-0.05	LC 1-5
			Max N		0.01	-0.09	-1.80	▷	0.04	0.24	-0.02	LC 1-5
			Min N		-14.63	-0.13	-1.83	▷	0.03	0.34	-0.02	LC 1-4
Max V _y			-3.68		-0.05	-1.05	▷	0.02	0.17	-0.00	LC 1-5	
Min V _y			-10.94		-0.17	-2.58	▷	0.05	0.41	-0.04	LC 1-4	
Max V _z			-6.64		-0.06	-0.84	▷	0.01	0.23	0.00	LC 1-5	
Min V _z			-7.99		-0.16	-2.78	▷	0.06	0.35	-0.05	LC 1-4	
Max M _T			-7.21		-0.15	-2.77	▷	0.06	0.33	-0.05	LC 1-5	
Min M _T			-7.42		-0.06	-0.85	▷	0.01	0.24	0.00	LC 1-4	
Max M _y			-10.00		-0.16	-2.24	▷	0.04	0.44	-0.04	LC 1-5	
Min M _y			-4.62		-0.06	-1.38	▷	0.03	0.14	-0.01	LC 1-4	
Max M _z			-6.64		-0.06	-0.85	▷	0.01	0.22	0.00	LC 1-4	
RC1	109	0.000 Left	Min M _z		-7.99	-0.16	-2.77	▷	0.06	0.35	-0.05	LC 1-5
			Max N		-8.06	0.00	-0.45	-0.04	0.34	0.00	CO 9	
			Min N		-14.65	0.34	-1.53	-0.22	1.15	0.31	CO 8	
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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding			
				N	V _y	V _z	M _T	M _y	M _z	Load Cases				
175	RC1			Max V _y	-14.58	0.34	-1.53	-0.22	1.15	0.31	CO 2			
				Min V _y	-8.13	0.00	-0.45	-0.04	0.34	0.00	CO 11			
				Max V _z	-8.14	0.00	-0.45	-0.04	0.34	0.00	CO 13			
				Min V _z	-14.57	0.34	-1.53	-0.22	1.15	0.31	CO 4			
				Max M _T	-8.14	0.00	-0.45	-0.04	0.34	0.00	CO 12			
				Min M _T	-14.58	0.34	-1.53	-0.22	1.15	0.31	CO 1			
				Max M _y	-14.57	0.34	-1.53	-0.22	1.15	0.31	CO 4			
				Min M _y	-8.14	0.00	-0.45	-0.04	0.34	0.00	CO 13			
				Max M _z	-14.57	0.34	-1.53	-0.22	1.15	0.31	CO 4			
				Min M _z	-8.14	0.00	-0.45	-0.04	0.34	0.00	CO 13			
				0.000 Right	Max N	-8.06	0.00	-0.45	-0.04	0.34	0.00	CO 9		
					Min N	-14.65	0.34	-1.53	-0.22	1.15	0.31	CO 8		
					Max V _y	-14.58	0.34	-1.53	-0.22	1.15	0.31	CO 2		
					Min V _y	-8.13	0.00	-0.45	-0.04	0.34	0.00	CO 11		
					Max V _z	-8.14	0.00	-0.45	-0.04	0.34	0.00	CO 13		
					Min V _z	-14.57	0.34	-1.53	-0.22	1.15	0.31	CO 4		
					Max M _T	-8.14	0.00	-0.45	-0.04	0.34	0.00	CO 12		
					Min M _T	-14.58	0.34	-1.53	-0.22	1.15	0.31	CO 1		
					Max M _y	-14.57	0.34	-1.53	-0.22	1.15	0.31	CO 4		
					Min M _y	-8.14	0.00	-0.45	-0.04	0.34	0.00	CO 13		
					Max M _z	-14.57	0.34	-1.53	-0.22	1.15	0.31	CO 4		
					Min M _z	-8.14	0.00	-0.45	-0.04	0.34	0.00	CO 13		
				0.504 Left	Max N	-8.06	0.00	-0.41	-0.04	0.13	0.00	CO 9		
					Min N	-14.65	0.37	-1.05	-0.22	0.46	0.13	CO 8		
					Max V _y	-14.65	0.37	-1.05	-0.22	0.46	0.13	CO 8		
					Min V _y	-8.13	0.00	-0.41	-0.04	0.13	0.00	CO 11		
					Max V _z	-8.14	0.00	-0.40	-0.04	0.13	0.00	CO 13		
					Min V _z	-14.57	0.37	-1.05	-0.22	0.46	0.13	CO 4		
					Max M _T	-8.14	0.00	-0.41	-0.04	0.13	0.00	CO 12		
					Min M _T	-14.57	0.37	-1.05	-0.22	0.46	0.13	CO 1		
					Max M _y	-14.64	0.37	-1.05	-0.22	0.46	0.13	CO 6		
					Min M _y	-8.14	0.00	-0.40	-0.04	0.13	0.00	CO 13		
					Max M _z	-14.57	0.37	-1.05	-0.22	0.46	0.13	CO 3		
					Min M _z	-8.15	0.00	-0.40	-0.04	0.13	0.00	CO 14		
				0.504 Right	Max N	-8.06	0.00	-0.41	-0.04	0.13	0.00	CO 9		
					Min N	-14.65	0.37	-1.05	-0.22	0.46	0.13	CO 8		
					Max V _y	-14.65	0.37	-1.05	-0.22	0.46	0.13	CO 8		
					Min V _y	-8.13	0.00	-0.41	-0.04	0.13	0.00	CO 11		
					Max V _z	-8.14	0.00	-0.40	-0.04	0.13	0.00	CO 13		
					Min V _z	-14.57	0.37	-1.05	-0.22	0.46	0.13	CO 4		
					Max M _T	-8.14	0.00	-0.41	-0.04	0.13	0.00	CO 12		
					Min M _T	-14.57	0.37	-1.05	-0.22	0.46	0.13	CO 1		
					Max M _y	-14.64	0.37	-1.05	-0.22	0.46	0.13	CO 6		
					Min M _y	-8.14	0.00	-0.40	-0.04	0.13	0.00	CO 13		
					Max M _z	-14.57	0.37	-1.05	-0.22	0.46	0.13	CO 3		
					Min M _z	-8.15	0.00	-0.40	-0.04	0.13	0.00	CO 14		
				1.007 Left	Max N	-8.06	0.00	-0.36	-0.04	-0.07	0.00	CO 9		
					Min N	-14.65	0.38	-0.55	-0.22	0.09	-0.06	CO 8		
					Max V _y	-14.65	0.38	-0.55	-0.22	0.09	-0.06	CO 8		
					Min V _y	-8.13	0.00	-0.36	-0.04	-0.07	0.00	CO 11		
					Max V _z	-8.15	0.00	-0.36	-0.04	-0.07	-0.00	CO 14		
					Min V _z	-14.57	0.38	-0.56	-0.22	0.09	-0.06	CO 4		
					Max M _T	-8.14	0.00	-0.36	-0.04	-0.07	-0.00	CO 12		
					Min M _T	-14.57	0.38	-0.55	-0.22	0.09	-0.06	CO 1		
					Max M _y	-14.64	0.38	-0.56	-0.22	0.09	-0.06	CO 6		
					Min M _y	-8.14	0.00	-0.36	-0.04	-0.07	0.00	CO 13		
					Max M _z	-8.06	0.00	-0.36	-0.04	-0.07	0.00	CO 9		
					Min M _z	-14.65	0.38	-0.55	-0.22	0.09	-0.06	CO 8		
				1.007 Right	Max N	-8.06	0.00	-0.36	-0.04	-0.07	0.00	CO 9		
					Min N	-14.65	0.38	-0.55	-0.22	0.09	-0.06	CO 8		
					Max V _y	-14.65	0.38	-0.55	-0.22	0.09	-0.06	CO 8		
					Min V _y	-8.13	0.00	-0.36	-0.04	-0.07	0.00	CO 11		
					Max V _z	-8.15	0.00	-0.36	-0.04	-0.07	-0.00	CO 14		
					Min V _z	-14.57	0.38	-0.56	-0.22	0.09	-0.06	CO 4		
					Max M _T	-8.14	0.00	-0.36	-0.04	-0.07	-0.00	CO 12		
					Min M _T	-14.57	0.38	-0.55	-0.22	0.09	-0.06	CO 1		
					Max M _y	-14.64	0.38	-0.56	-0.22	0.09	-0.06	CO 6		
					Min M _y	-8.14	0.00	-0.36	-0.04	-0.07	0.00	CO 13		
					Max M _z	-8.06	0.00	-0.36	-0.04	-0.07	0.00	CO 9		
					Min M _z	-14.65	0.38	-0.55	-0.22	0.09	-0.06	CO 8		
				RC2	109	0.000 Left	Max N	-5.74	-0.00	-0.32	-0.03	0.25	0.00	CO 23
							Min N	-10.62	0.25	-1.12	-0.16	0.84	0.23	CO 22
							Max V _y	-10.56	0.25	-1.12	-0.16	0.84	0.23	CO 16
							Min V _y	-5.80	-0.00	-0.32	-0.03	0.25	0.00	CO 25
							Max V _z	-5.80	-0.00	-0.32	-0.03	0.25	0.00	CO 27
							Min V _z	-10.56	0.25	-1.12	-0.16	0.84	0.23	CO 18
							Max M _T	-5.80	0.00	-0.32	-0.03	0.25	0.00	CO 26
							Min M _T	-10.56	0.25	-1.12	-0.16	0.84	0.23	CO 17
							Max M _y	-10.56	0.25	-1.12	-0.16	0.84	0.23	CO 18
							Min M _y	-5.80	-0.00	-0.32	-0.03	0.25	0.00	CO 27
							Max M _z	-10.56	0.25	-1.12	-0.16	0.84	0.23	CO 18
							Min M _z	-5.80	-0.00	-0.32	-0.03	0.25	0.00	CO 27
							Max N	-5.74	-0.00	-0.32	-0.03	0.25	0.00	CO 23
							Min N	-10.62	0.25	-1.12	-0.16	0.84	0.23	CO 22
Max V _y	-10.56	0.25	-1.12				-0.16	0.84	0.23	CO 16				
Min V _y	-5.80	-0.00	-0.32				-0.03	0.25	0.00	CO 25				
Max V _z	-5.80	-0.00	-0.32				-0.03	0.25	0.00	CO 27				
Min V _z	-10.56	0.25	-1.12				-0.16	0.84	0.23	CO 18				
Max M _T	-5.80	0.00	-0.32				-0.03	0.25	0.00	CO 26				
Min M _T	-10.56	0.25	-1.12				-0.16	0.84	0.23	CO 17				
Max M _y	-10.56	0.25	-1.12				-0.16	0.84	0.23	CO 18				
Min M _y	-5.80	-0.00	-0.32				-0.03	0.25	0.00	CO 27				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]				Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
175	RC2		0.504 Left	Max M _z	-10.56	0.25	-1.12	-0.16	0.84	0.23	CO 18	
				Min M _z	-5.80	-0.00	-0.32	-0.03	0.25	0.00	CO 27	
				Max N	-5.74	0.00	-0.29	-0.03	0.10	0.00	CO 23	
				Min N	-10.62	0.27	-0.76	-0.16	0.34	0.10	CO 22	
				Max V _y	-10.62	0.27	-0.76	-0.16	0.34	0.10	CO 22	
				Min V _y	-5.80	0.00	-0.29	-0.03	0.10	0.00	CO 25	
				Max V _z	-5.80	0.00	-0.28	-0.03	0.09	0.00	CO 27	
				Min V _z	-10.56	0.27	-0.76	-0.16	0.34	0.10	CO 18	
				Max M _T	-5.80	0.00	-0.29	-0.03	0.10	0.00	CO 26	
				Min M _T	-10.55	0.27	-0.76	-0.16	0.34	0.10	CO 17	
				Max M _y	-10.56	0.27	-0.76	-0.16	0.34	0.10	CO 18	
				Min M _y	-5.80	0.00	-0.28	-0.03	0.09	0.00	CO 27	
				Max M _z	-10.55	0.27	-0.76	-0.16	0.34	0.10	CO 17	
				Min M _z	-5.80	0.00	-0.28	-0.03	0.09	0.00	CO 28	
				Max N	-5.74	0.00	-0.29	-0.03	0.10	0.00	CO 23	
				Min N	-10.62	0.27	-0.76	-0.16	0.34	0.10	CO 22	
				Max V _y	-10.62	0.27	-0.76	-0.16	0.34	0.10	CO 22	
				Min V _y	-5.80	0.00	-0.29	-0.03	0.10	0.00	CO 25	
				Max V _z	-5.80	0.00	-0.28	-0.03	0.09	0.00	CO 27	
				Min V _z	-10.56	0.27	-0.76	-0.16	0.34	0.10	CO 18	
			Max M _T	-5.80	0.00	-0.29	-0.03	0.10	0.00	CO 26		
			Min M _T	-10.55	0.27	-0.76	-0.16	0.34	0.10	CO 17		
			Max M _y	-10.56	0.27	-0.76	-0.16	0.34	0.10	CO 18		
			Min M _y	-5.80	0.00	-0.28	-0.03	0.09	0.00	CO 27		
			Max M _z	-10.55	0.27	-0.76	-0.16	0.34	0.10	CO 17		
			Min M _z	-5.80	0.00	-0.28	-0.03	0.09	0.00	CO 28		
			Max N	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23		
			Min N	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22		
			Max V _y	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22		
			Min V _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 25		
			Max V _z	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27		
			Min V _z	-10.56	0.28	-0.39	-0.16	0.08	-0.04	CO 18		
			Max M _T	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 26		
			Min M _T	-10.55	0.28	-0.39	-0.16	0.08	-0.04	CO 17		
			Max M _y	-10.61	0.28	-0.39	-0.16	0.08	-0.04	CO 20		
			Min M _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27		
			Max M _z	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23		
			Min M _z	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22		
			Max N	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23		
			Min N	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22		
			Max V _y	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22		
			Min V _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 25		
			Max V _z	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27		
			Min V _z	-10.56	0.28	-0.39	-0.16	0.08	-0.04	CO 18		
			Max M _T	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 26		
			Min M _T	-10.55	0.28	-0.39	-0.16	0.08	-0.04	CO 17		
			Max M _y	-10.61	0.28	-0.39	-0.16	0.08	-0.04	CO 20		
			Min M _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27		
			Max M _z	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23		
			Min M _z	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22		
	Max N	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23				
	Min N	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22				
	Max V _y	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22				
	Min V _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 25				
	Max V _z	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27				
	Min V _z	-10.56	0.28	-0.39	-0.16	0.08	-0.04	CO 18				
	Max M _T	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 26				
	Min M _T	-10.55	0.28	-0.39	-0.16	0.08	-0.04	CO 17				
	Max M _y	-10.61	0.28	-0.39	-0.16	0.08	-0.04	CO 20				
	Min M _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27				
	Max M _z	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23				
	Min M _z	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22				
	Max N	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23				
	Min N	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22				
	Max V _y	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22				
	Min V _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 25				
	Max V _z	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27				
	Min V _z	-10.56	0.28	-0.39	-0.16	0.08	-0.04	CO 18				
	Max M _T	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 26				
	Min M _T	-10.55	0.28	-0.39	-0.16	0.08	-0.04	CO 17				
	Max M _y	-10.61	0.28	-0.39	-0.16	0.08	-0.04	CO 20				
	Min M _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27				
	Max M _z	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23				
	Min M _z	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22				
	Max N	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23				
	Min N	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22				
	Max V _y	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22				
	Min V _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 25				
	Max V _z	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27				
	Min V _z	-10.56	0.28	-0.39	-0.16	0.08	-0.04	CO 18				
	Max M _T	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 26				
	Min M _T	-10.55	0.28	-0.39	-0.16	0.08	-0.04	CO 17				
	Max M _y	-10.61	0.28	-0.39	-0.16	0.08	-0.04	CO 20				
	Min M _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27				
	Max M _z	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23				
	Min M _z	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22				
	Max N	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23				
	Min N	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22				
	Max V _y	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22				
	Min V _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 25				
	Max V _z	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27				
	Min V _z	-10.56	0.28	-0.39	-0.16	0.08	-0.04	CO 18				
Max M _T	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 26					
Min M _T	-10.55	0.28	-0.39	-0.16	0.08	-0.04	CO 17					
Max M _y	-10.61	0.28	-0.39	-0.16	0.08	-0.04	CO 20					
Min M _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27					
Max M _z	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23					
Min M _z	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Max N	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23					
Min N	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Max V _y	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Min V _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 25					
Max V _z	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27					
Min V _z	-10.56	0.28	-0.39	-0.16	0.08	-0.04	CO 18					
Max M _T	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 26					
Min M _T	-10.55	0.28	-0.39	-0.16	0.08	-0.04	CO 17					
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Min M _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27					
Max M _z	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23					
Min M _z	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Max N	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23					
Min N	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Max V _y	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Min V _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 25					
Max V _z	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27					
Min V _z	-10.56	0.28	-0.39	-0.16	0.08	-0.04	CO 18					
Max M _T	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 26					
Min M _T	-10.55	0.28	-0.39	-0.16	0.08	-0.04	CO 17					
Max M _y	-10.61	0.28	-0.39	-0.16	0.08	-0.04	CO 20					
Min M _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27					
Max M _z	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23					
Min M _z	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Max N	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23					
Min N	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Max V _y	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Min V _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 25					
Max V _z	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27					
Min V _z	-10.56	0.28	-0.39	-0.16	0.08	-0.04	CO 18					
Max M _T	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 26					
Min M _T	-10.55	0.28	-0.39	-0.16	0.08	-0.04	CO 17					
Max M _y	-10.61	0.28	-0.39	-0.16	0.08	-0.04	CO 20					
Min M _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27					
Max M _z	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23					
Min M _z	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Max N	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23					
Min N	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Max V _y	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Min V _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 25					
Max V _z	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27					
Min V _z	-10.56	0.28	-0.39	-0.16	0.08	-0.04	CO 18					
Max M _T	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 26					
Min M _T	-10.55	0.28	-0.39	-0.16	0.08	-0.04	CO 17					
Max M _y	-10.61	0.28	-0.39	-0.16	0.08	-0.04	CO 20					
Min M _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27					
Max M _z	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23					
Min M _z	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Max N	-5.74	0.00	-0.25	-0.03	-0.04	0.00	CO 23					
Min N	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Max V _y	-10.62	0.28	-0.39	-0.16	0.08	-0.04	CO 22					
Min V _y	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 25					
Max V _z	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 27					
Min V _z	-10.56	0.28	-0.39	-0.16	0.08	-0.04	CO 18					
Max M _T	-5.80	0.00	-0.25	-0.03	-0.04	0.00	CO 26					
Min M _T	-10.55	0.28	-0.39	-0.16	0.08	-0.04	CO 17					
Max M _y	-10.61											

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases			
				N	V _y	V _z	M _T	M _y	M _z					
175	RC6		1.007 Left	Max M _T	-9.90	0.20	-0.72	▷	-0.07	0.41	0.08	LC 1-4		
				Min M _T	-9.85	0.31	-0.59	▷	-0.17	0.35	0.11	LC 1-5		
				Max M _y	-10.74	0.51	-0.30	▷	-0.11	0.59	-0.00	LC 1-5		
				Min M _y	-9.02	-0.00	-1.00	▷	-0.13	0.17	0.19	LC 1-4		
				Max M _z	-9.60	-0.28	-0.83	▷	-0.13	0.30	0.31	LC 1-5		
				Min M _z	-10.16	0.79	-0.48	▷	-0.11	0.47	-0.13	LC 1-4		
				Max N	-6.88	0.17	-0.37	▷	-0.12	0.08	0.04	LC 1-4		
				Min N	-12.88	0.35	-0.20	▷	-0.12	0.26	-0.11	LC 1-5		
				Max V _y	-10.18	0.86	-0.11	▷	-0.13	0.35	-0.54	LC 1-4		
				Min V _y	-9.58	-0.35	-0.47	▷	-0.11	-0.00	0.47	LC 1-5		
				Max V _z	-10.35	0.52	0.14	▷	-0.13	0.55	-0.26	LC 1-4		
				Min V _z	-9.41	-0.01	-0.71	▷	-0.11	-0.20	0.19	LC 1-5		
				Max M _T	-9.90	0.20	-0.35	▷	-0.07	0.17	-0.02	LC 1-4		
				Min M _T	-9.85	0.31	-0.22	▷	-0.17	0.18	-0.05	LC 1-5		
				Max M _y	-10.35	0.52	0.08	▷	-0.12	0.56	-0.26	LC 1-4		
				Min M _y	-9.41	-0.00	-0.66	▷	-0.12	-0.22	0.19	LC 1-5		
				Max M _z	-9.54	-0.34	-0.47	▷	-0.11	-0.00	0.47	LC 1-5		
				Min M _z	-10.22	0.86	-0.10	▷	-0.13	0.35	-0.54	LC 1-4		
				117	1.007 Right	Max N	-6.88	0.17	-0.37	▷	-0.12	0.08	0.04	LC 1-4
						Min N	-12.88	0.35	-0.20	▷	-0.12	0.26	-0.11	LC 1-5
						Max V _y	-10.18	0.86	-0.11	▷	-0.13	0.35	-0.54	LC 1-4
						Min V _y	-9.58	-0.35	-0.47	▷	-0.11	-0.00	0.47	LC 1-5
						Max V _z	-10.35	0.52	0.14	▷	-0.13	0.55	-0.26	LC 1-4
						Min V _z	-9.41	-0.01	-0.71	▷	-0.11	-0.20	0.19	LC 1-5
						Max M _T	-9.90	0.20	-0.35	▷	-0.07	0.17	-0.02	LC 1-4
						Min M _T	-9.85	0.31	-0.22	▷	-0.17	0.18	-0.05	LC 1-5
						Max M _y	-10.35	0.52	0.08	▷	-0.12	0.56	-0.26	LC 1-4
						Min M _y	-9.41	-0.00	-0.66	▷	-0.12	-0.22	0.19	LC 1-5
						Max M _z	-9.54	-0.34	-0.47	▷	-0.11	-0.00	0.47	LC 1-5
						Min M _z	-10.22	0.86	-0.10	▷	-0.13	0.35	-0.54	LC 1-4
177	RC1	117	0.000 Left	Max N	-8.07	-0.03	-0.15	-0.00	-0.06	-0.01	CO 9			
				Min N	-14.66	-0.09	-0.74	-0.01	0.10	-0.06	CO 8			
				Max V _y	-8.14	-0.03	-0.15	-0.00	-0.06	-0.01	CO 11			
				Min V _y	-14.59	-0.09	-0.74	-0.01	0.10	-0.06	CO 2			
				Max V _z	-8.15	-0.03	-0.15	-0.00	-0.06	-0.01	CO 13			
				Min V _z	-14.65	-0.09	-0.74	-0.01	0.10	-0.06	CO 6			
				Max M _T	-8.15	-0.03	-0.15	-0.00	-0.06	-0.01	CO 14			
				Min M _T	-14.65	-0.09	-0.74	-0.01	0.10	-0.06	CO 5			
				Max M _y	-14.65	-0.09	-0.74	-0.01	0.10	-0.06	CO 6			
				Min M _y	-8.15	-0.03	-0.15	-0.00	-0.06	-0.01	CO 13			
				Max M _z	-8.07	-0.03	-0.15	-0.00	-0.06	-0.01	CO 9			
				Min M _z	-14.66	-0.09	-0.74	-0.01	0.10	-0.06	CO 8			
				0.000 Right	Max N	-8.07	-0.03	-0.15	-0.00	-0.06	-0.01	CO 9		
					Min N	-14.66	-0.09	-0.74	-0.01	0.10	-0.06	CO 8		
					Max V _y	-8.14	-0.03	-0.15	-0.00	-0.06	-0.01	CO 11		
					Min V _y	-14.59	-0.09	-0.74	-0.01	0.10	-0.06	CO 2		
					Max V _z	-8.15	-0.03	-0.15	-0.00	-0.06	-0.01	CO 13		
					Min V _z	-14.65	-0.09	-0.74	-0.01	0.10	-0.06	CO 6		
					Max M _T	-8.15	-0.03	-0.15	-0.00	-0.06	-0.01	CO 14		
					Min M _T	-14.65	-0.09	-0.74	-0.01	0.10	-0.06	CO 5		
					Max M _y	-14.65	-0.09	-0.74	-0.01	0.10	-0.06	CO 6		
					Min M _y	-8.15	-0.03	-0.15	-0.00	-0.06	-0.01	CO 13		
					Max M _z	-8.07	-0.03	-0.15	-0.00	-0.06	-0.01	CO 9		
					Min M _z	-14.66	-0.09	-0.74	-0.01	0.10	-0.06	CO 8		
			0.504 Left	Max N	-8.07	-0.03	-0.10	-0.00	-0.12	0.01	CO 9			
				Min N	-14.66	-0.09	-0.25	-0.01	-0.19	-0.01	CO 8			
				Max V _y	-8.14	-0.03	-0.10	-0.00	-0.12	0.01	CO 11			
				Min V _y	-14.66	-0.09	-0.25	-0.01	-0.19	-0.01	CO 8			
				Max V _z	-8.15	-0.03	-0.10	-0.00	-0.12	0.01	CO 13			
				Min V _z	-14.65	-0.09	-0.25	-0.01	-0.19	-0.01	CO 6			
Max M _T	-8.15	-0.03		-0.10	-0.00	-0.12	0.01	CO 14						
Min M _T	-14.65	-0.09		-0.25	-0.01	-0.19	-0.01	CO 5						
Max M _y	-8.07	-0.03		-0.10	-0.00	-0.12	0.01	CO 9						
Min M _y	-14.66	-0.09		-0.25	-0.01	-0.19	-0.01	CO 8						
Max M _z	-8.07	-0.03		-0.10	-0.00	-0.12	0.01	CO 9						
Min M _z	-14.66	-0.09		-0.25	-0.01	-0.19	-0.01	CO 8						
0.504 Right	Max N	-8.07		-0.03	-0.10	-0.00	-0.12	0.01	CO 9					
	Min N	-14.66		-0.09	-0.25	-0.01	-0.19	-0.01	CO 8					
	Max V _y	-8.14		-0.03	-0.10	-0.00	-0.12	0.01	CO 11					
	Min V _y	-14.66		-0.09	-0.25	-0.01	-0.19	-0.01	CO 8					
	Max V _z	-8.15		-0.03	-0.10	-0.00	-0.12	0.01	CO 13					
	Min V _z	-14.65		-0.09	-0.25	-0.01	-0.19	-0.01	CO 6					
	Max M _T	-8.15		-0.03	-0.10	-0.00	-0.12	0.01	CO 14					
	Min M _T	-14.65		-0.09	-0.25	-0.01	-0.19	-0.01	CO 5					
	Max M _y	-8.07		-0.03	-0.10	-0.00	-0.12	0.01	CO 9					
	Min M _y	-14.66		-0.09	-0.25	-0.01	-0.19	-0.01	CO 8					
	Max M _z	-8.07		-0.03	-0.10	-0.00	-0.12	0.01	CO 9					
	Min M _z	-14.66		-0.09	-0.25	-0.01	-0.19	-0.01	CO 8					
1.007 Left	Max N	-8.07	-0.02	-0.05	-0.00	-0.16	0.02	CO 9						
	Min N	-14.66	-0.09	0.25	-0.01	-0.15	0.03	CO 8						
	Max V _y	-8.14	-0.02	-0.05	-0.00	-0.16	0.02	CO 11						
	Min V _y	-14.66	-0.09	0.25	-0.01	-0.15	0.03	CO 8						
	Max V _z	-14.58	-0.09	0.25	-0.01	-0.15	0.03	CO 1						
	Min V _z	-8.15	-0.03	-0.05	-0.00	-0.16	0.02	CO 12						
	Max M _T	-8.15	-0.03	-0.05	-0.00	-0.16	0.02	CO 14						
	Min M _T	-14.65	-0.09	0.25	-0.01	-0.15	0.03	CO 5						
	Max M _y	-14.58	-0.09	0.25	-0.01	-0.15	0.03	CO 1						
	Min M _y	-8.15	-0.03	-0.05	-0.00	-0.16	0.02	CO 12						
	Max M _z	-14.58	-0.09	0.25	-0.01	-0.15	0.03	CO 1						
	Min M _z	-8.15	-0.03	-0.05	-0.00	-0.16	0.02	CO 12						
	118	1.007 Right	Max N	-8.07	-0.02	-0.05	-0.00	-0.16	0.02	CO 9				
			Min N	-14.66	-0.09	0.25	-0.01	-0.15	0.03	CO 8				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases					
				N	V _y	V _z	M _T	M _y	M _z								
177	RC1			Max V _y	-8.14	▷	-0.02	-0.05	-0.00	-0.16	0.02	CO 11					
				Min V _y	-14.66	▷	-0.09	0.25	-0.01	-0.15	0.03	CO 8					
				Max V _z	-14.58		-0.09	▷	0.25	-0.01	-0.15	0.03	CO 1				
				Min V _z	-8.15		-0.03	▷	-0.05	-0.00	-0.16	0.02	CO 12				
				Max M _T	-8.15		-0.03	-0.05	▷	-0.00	-0.16	0.02	CO 14				
				Min M _T	-14.65		-0.09	0.25	▷	-0.01	-0.15	0.03	CO 5				
				Max M _y	-14.58		-0.09	0.25		-0.01	▷	-0.15	0.03	CO 1			
				Min M _y	-8.15		-0.03	-0.05		-0.00	▷	-0.16	0.02	CO 12			
				Max M _z	-14.58		-0.09	0.25		-0.01	▷	-0.15	0.03	CO 1			
				Min M _z	-8.15		-0.03	-0.05		-0.00	▷	-0.16	0.02	CO 12			
	RC2	117	0.000 Left	Max N	-5.75	▷	-0.02	-0.12	-0.00	-0.03	-0.00	CO 23					
				Min N	-10.62	▷	-0.07	-0.56	-0.01	0.09	-0.04	CO 22					
				Max V _y	-5.80	▷	-0.02	-0.12	-0.00	-0.03	-0.00	CO 25					
				Min V _y	-10.57	▷	-0.07	-0.56	-0.01	0.09	-0.04	CO 16					
				Max V _z	-5.81		-0.02	▷	-0.12	-0.00	-0.03	-0.01	CO 27				
				Min V _z	-10.62		-0.07	▷	-0.56	-0.01	0.09	-0.04	CO 20				
				Max M _T	-5.81		-0.02	-0.12	▷	-0.00	-0.03	-0.01	CO 28				
				Min M _T	-10.62		-0.07	-0.56	▷	-0.01	0.09	-0.04	CO 19				
				Max M _y	-10.62		-0.07	-0.56	-0.01	▷	0.09	-0.04	CO 20				
				Min M _y	-5.81		-0.02	-0.12	-0.00	▷	-0.03	-0.01	CO 27				
				Max M _z	-5.75		-0.02	-0.12	-0.00		▷	-0.03	-0.00	CO 23			
				Min M _z	-10.62		-0.07	-0.56	-0.01	0.09	▷	-0.04	CO 22				
				0.000 Right	Max N	-5.75	▷	-0.02	-0.12	-0.00	-0.03	-0.00	CO 23				
					Min N	-10.62	▷	-0.07	-0.56	-0.01	0.09	-0.04	CO 22				
					Max V _y	-5.80	▷	-0.02	-0.12	-0.00	-0.03	-0.00	CO 25				
					Min V _y	-10.57	▷	-0.07	-0.56	-0.01	0.09	-0.04	CO 16				
					Max V _z	-5.81		-0.02	▷	-0.12	-0.00	-0.03	-0.01	CO 27			
					Min V _z	-10.62		-0.07	▷	-0.56	-0.01	0.09	-0.04	CO 20			
					Max M _T	-5.81		-0.02	-0.12	▷	-0.00	-0.03	-0.01	CO 28			
					Min M _T	-10.62		-0.07	-0.56	▷	-0.01	0.09	-0.04	CO 19			
					Max M _y	-10.62		-0.07	-0.56	-0.01	▷	0.09	-0.04	CO 20			
					Min M _y	-5.81		-0.02	-0.12	-0.00	▷	-0.03	-0.01	CO 27			
					Max M _z	-5.75		-0.02	-0.12	-0.00		▷	-0.03	-0.00	CO 23		
					Min M _z	-10.62		-0.07	-0.56	-0.01	0.09	▷	-0.04	CO 22			
					0.504 Left	Max N	-5.75	▷	-0.02	-0.08	-0.00	-0.08	0.00	CO 23			
						Min N	-10.62	▷	-0.07	-0.19	-0.01	-0.13	-0.01	CO 22			
						Max V _y	-5.80	▷	-0.02	-0.08	-0.00	-0.08	0.00	CO 25			
						Min V _y	-10.62	▷	-0.07	-0.19	-0.01	-0.13	-0.01	CO 22			
						Max V _z	-5.81		-0.02	▷	-0.08	-0.00	-0.08	0.00	CO 27		
						Min V _z	-10.62		-0.07	▷	-0.19	-0.01	-0.13	-0.01	CO 20		
						Max M _T	-5.81		-0.02	-0.08	▷	-0.00	-0.08	0.00	CO 28		
						Min M _T	-10.62		-0.06	-0.19	▷	-0.01	-0.13	-0.01	CO 19		
						Max M _y	-5.75		-0.02	-0.08	-0.00	▷	-0.08	0.00	CO 23		
						Min M _y	-10.62		-0.07	-0.19	-0.01	▷	-0.13	-0.01	CO 22		
						Max M _z	-5.75		-0.02	-0.08	-0.00		▷	-0.08	0.00	CO 23	
						Min M _z	-10.62		-0.07	-0.19	-0.01		▷	-0.13	-0.01	CO 22	
						0.504 Right	Max N	-5.75	▷	-0.02	-0.08	-0.00	-0.08	0.00	CO 23		
							Min N	-10.62	▷	-0.07	-0.19	-0.01	-0.13	-0.01	CO 22		
							Max V _y	-5.80	▷	-0.02	-0.08	-0.00	-0.08	0.00	CO 25		
							Min V _y	-10.62	▷	-0.07	-0.19	-0.01	-0.13	-0.01	CO 22		
							Max V _z	-5.81		-0.02	▷	-0.08	-0.00	-0.08	0.00	CO 27	
							Min V _z	-10.62		-0.07	▷	-0.19	-0.01	-0.13	-0.01	CO 20	
							Max M _T	-5.81		-0.02	-0.08	▷	-0.00	-0.08	0.00	CO 28	
							Min M _T	-10.62		-0.06	-0.19	▷	-0.01	-0.13	-0.01	CO 19	
							Max M _y	-5.75		-0.02	-0.08	-0.00	▷	-0.08	0.00	CO 23	
							Min M _y	-10.62		-0.07	-0.19	-0.01	▷	-0.13	-0.01	CO 22	
							Max M _z	-5.75		-0.02	-0.08	-0.00		▷	-0.08	0.00	CO 23
							Min M _z	-10.62		-0.07	-0.19	-0.01		▷	-0.13	-0.01	CO 22
							1.007 Left	Max N	-5.75	▷	-0.02	-0.04	-0.00	-0.11	0.01	CO 23	
								Min N	-10.63	▷	-0.06	0.18	-0.01	-0.11	0.02	CO 22	
Max V _y								-5.80	▷	-0.02	-0.04	-0.00	-0.11	0.01	CO 25		
Min V _y								-10.63	▷	-0.06	0.18	-0.01	-0.11	0.02	CO 22		
Max V _z								-10.57		-0.06	▷	0.18	-0.01	-0.11	0.02	CO 15	
Min V _z								-5.81		-0.02	▷	-0.04	-0.00	-0.11	0.01	CO 26	
Max M _T								-5.81		-0.02	-0.04	▷	-0.00	-0.11	0.01	CO 28	
Min M _T								-10.62		-0.06	0.18	▷	-0.01	-0.11	0.02	CO 19	
Max M _y								-10.57		-0.06	0.18		-0.01	▷	-0.11	0.02	CO 15
Min M _y								-5.81		-0.02	-0.04	-0.00	▷	-0.11	0.01	CO 26	
Max M _z								-10.57		-0.06	0.18	-0.01	▷	-0.11	0.02	CO 15	
Min M _z								-5.81		-0.02	-0.04	-0.00		▷	-0.11	0.01	CO 26
1.007 Right	Max N	-5.75	▷					-0.02	-0.04	-0.00	-0.11	0.01	CO 23				
	Min N	-10.63	▷					-0.06	0.18	-0.01	-0.11	0.02	CO 22				
	Max V _y	-10.63	▷					-0.06	-0.04	-0.00	-0.11	0.01	CO 25				
	Min V _y	-10.63	▷					-0.06	0.18	-0.01	-0.11	0.02	CO 22				
	Max V _z	-10.57						-0.06	▷	0.18	-0.01	-0.11	0.02	CO 15			
	Min V _z	-5.81						-0.02	▷	-0.04	-0.00	-0.11	0.01	CO 26			
	Max M _T	-5.81						-0.02	-0.04	▷	-0.00	-0.11	0.01	CO 28			
	Min M _T	-10.62						-0.06	0.18	▷	-0.01	-0.11	0.02	CO 19			
	Max M _y	-10.57						-0.06	0.18		-0.01	▷	-0.11	0.02	CO 15		
	Min M _y	-5.81						-0.02	-0.04	-0.00	▷	-0.11	0.01	CO 26			
	Max M _z	-10.57						-0.06	0.18	-0.01	▷	-0.11	0.02	CO 15			
	Min M _z	-5.81						-0.02	-0.04	-0.00		▷	-0.11	0.01	CO 26		
	RC6	117	0.000 Left	Max N				-7.66	▷	-0.00	-0.65	-0.01	0.02	0.03	LC 1-4		
				Min N				-12.11	▷	-0.13	-0.68	-0.00	0.34	-0.11	LC 1-5		
				Max V _y				-9.86	▷	0.72	-0.53	0.01	0.05	0.46	LC 1-5		
				Min V _y				-9.92	▷	-0.85	-0.80	-0.02	0.31	-0.54	LC 1-4		
				Max V _z				-9.73		0.12	▷	-0.05	-0.01	-0.27	0.10	LC 1-4	
				Min V _z				-10.05		-0.25	▷	-1.29	-0.00	0.63	-0.18	LC 1-5	
				Max M _T				-9.88		-0.02	-0.70	▷	0.06	0.21	-0.01	LC 1-4	
				Min M _T				-9.90		-0.11	-0.63	▷	-0.07	0.16	-0.07	LC 1-5	
				Max M _y				-10.70		-0.30	-1.24	-0.00	▷	0.67	-0.22	LC 1-5	
				Min M _y				-9.08		0.16	-0.09	-0.00	▷	-0.30	0.14	LC 1-4	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
177	RC6		0.000 Right	Max M _z	-9.75	0.66	-0.51	0.01	0.03	0.50	LC 1-5
				Min M _z	-10.03	-0.80	-0.82	-0.02	0.34	-0.58	LC 1-4
				Max N	-7.66	-0.00	-0.65	-0.01	0.02	0.03	LC 1-4
				Min N	-12.11	-0.13	-0.68	-0.00	0.34	-0.11	LC 1-5
				Max V _y	-9.86	0.72	-0.53	0.01	0.05	0.46	LC 1-5
				Min V _y	-9.92	-0.85	-0.80	-0.02	0.31	-0.54	LC 1-4
				Max V _z	-9.73	0.12	-0.05	-0.01	-0.27	0.10	LC 1-4
				Min V _z	-10.05	-0.25	-1.29	-0.00	0.63	-0.18	LC 1-5
				Max M _T	-9.88	-0.02	-0.70	0.06	0.21	-0.01	LC 1-4
				Min M _T	-9.90	-0.11	-0.63	-0.07	0.16	-0.07	LC 1-5
				Max M _y	-10.70	-0.30	-1.24	-0.00	0.67	-0.22	LC 1-5
				Min M _y	-9.08	0.16	-0.09	-0.00	-0.30	0.14	LC 1-4
				Max M _z	-9.75	0.66	-0.51	0.01	0.03	0.50	LC 1-5
				Min M _z	-10.03	-0.80	-0.82	-0.02	0.34	-0.58	LC 1-4
				Max N	-7.66	-0.00	-0.28	-0.01	-0.24	0.03	LC 1-4
				Min N	-12.11	-0.13	-0.32	-0.00	0.06	-0.05	LC 1-5
				Max V _y	-9.86	0.72	-0.17	0.01	-0.15	0.10	LC 1-5
				Min V _y	-9.92	-0.85	-0.43	-0.02	-0.03	-0.11	LC 1-4
				Max V _z	-9.73	0.12	0.32	-0.01	-0.22	0.04	LC 1-4
				Min V _z	-10.05	-0.25	-0.92	-0.00	0.05	-0.06	LC 1-5
				Max M _T	-9.88	-0.02	-0.34	0.06	-0.08	-0.00	LC 1-4
				Min M _T	-9.90	-0.11	-0.26	-0.07	-0.09	-0.01	LC 1-5
				Max M _y	-11.18	-0.30	-0.68	-0.01	0.14	-0.08	LC 1-4
				Min M _y	-8.60	0.17	0.08	-0.00	-0.31	0.07	LC 1-5
				Max M _z	-9.64	0.31	-0.16	0.01	-0.16	0.21	LC 1-5
				Min M _z	-10.14	-0.44	-0.44	-0.01	-0.01	-0.23	LC 1-4
				Max N	-7.66	-0.00	-0.28	-0.01	-0.24	0.03	LC 1-4
				Min N	-12.11	-0.13	-0.32	-0.00	0.06	-0.05	LC 1-5
				Max V _y	-9.86	0.72	-0.17	0.01	-0.15	0.10	LC 1-5
				Min V _y	-9.92	-0.85	-0.43	-0.02	-0.03	-0.11	LC 1-4
				Max V _z	-9.73	0.12	0.32	-0.01	-0.22	0.04	LC 1-4
				Min V _z	-10.05	-0.25	-0.92	-0.00	0.05	-0.06	LC 1-5
				Max M _T	-9.88	-0.02	-0.34	0.06	-0.08	-0.00	LC 1-4
				Min M _T	-9.90	-0.11	-0.26	-0.07	-0.09	-0.01	LC 1-5
				Max M _y	-11.18	-0.30	-0.68	-0.01	0.14	-0.08	LC 1-4
				Min M _y	-8.60	0.17	0.08	-0.00	-0.31	0.07	LC 1-5
				Max M _z	-9.64	0.31	-0.16	0.01	-0.16	0.21	LC 1-5
				Min M _z	-10.14	-0.44	-0.44	-0.01	-0.01	-0.23	LC 1-4
				Max N	-7.66	-0.00	0.08	-0.01	-0.26	0.03	LC 1-4
				Min N	-12.11	-0.13	0.05	-0.00	0.02	0.02	LC 1-5
				Max V _y	-9.86	0.72	0.20	0.01	-0.12	-0.26	LC 1-5
				Min V _y	-9.92	-0.85	-0.07	-0.02	-0.12	0.32	LC 1-4
				Max V _z	-9.73	0.12	0.69	-0.01	0.06	-0.02	LC 1-4
				Min V _z	-10.05	-0.25	-0.56	-0.00	-0.30	0.07	LC 1-5
				Max M _T	-9.88	-0.02	0.03	0.06	-0.14	0.01	LC 1-4
				Min M _T	-9.90	-0.11	0.10	-0.07	-0.11	0.04	LC 1-5
				Max M _y	-10.95	-0.05	0.51	-0.01	0.13	0.02	LC 1-4
				Min M _y	-8.82	-0.08	-0.38	-0.00	-0.37	0.04	LC 1-5
				Max M _z	-9.71	-0.72	0.01	-0.01	-0.12	0.37	LC 1-4
				Min M _z	-10.07	0.59	0.12	0.01	-0.12	-0.32	LC 1-5
		118	1.007 Right	Max N	-7.66	-0.00	0.08	-0.01	-0.26	0.03	LC 1-4
				Min N	-12.11	-0.13	0.05	-0.00	0.02	0.02	LC 1-5
				Max V _y	-9.86	0.72	0.20	0.01	-0.12	-0.26	LC 1-5
				Min V _y	-9.92	-0.85	-0.07	-0.02	-0.12	0.32	LC 1-4
				Max V _z	-9.73	0.12	0.69	-0.01	0.06	-0.02	LC 1-4
				Min V _z	-10.05	-0.25	-0.56	-0.00	-0.30	0.07	LC 1-5
				Max M _T	-9.88	-0.02	0.03	0.06	-0.14	0.01	LC 1-4
				Min M _T	-9.90	-0.11	0.10	-0.07	-0.11	0.04	LC 1-5
				Max M _y	-10.95	-0.05	0.51	-0.01	0.13	0.02	LC 1-4
				Min M _y	-8.82	-0.08	-0.38	-0.00	-0.37	0.04	LC 1-5
				Max M _z	-9.71	-0.72	0.01	-0.01	-0.12	0.37	LC 1-4
				Min M _z	-10.07	0.59	0.12	0.01	-0.12	-0.32	LC 1-5
178	RC1	118	0.000 Left	Max N	-8.07	-0.00	-0.10	-0.00	-0.15	0.02	CO 9
				Min N	-14.67	0.00	-0.61	-0.00	-0.14	0.03	CO 8
				Max V _y	-14.58	0.00	-0.60	-0.00	-0.14	0.03	CO 3
				Min V _y	-8.16	-0.00	-0.10	-0.00	-0.15	0.02	CO 14
				Max V _z	-8.07	-0.00	-0.10	-0.00	-0.15	0.02	CO 9
				Min V _z	-14.66	0.00	-0.61	-0.00	-0.14	0.03	CO 6
				Max M _T	-8.16	-0.00	-0.10	-0.00	-0.15	0.02	CO 14
				Min M _T	-14.65	0.00	-0.61	-0.00	-0.14	0.03	CO 5
				Max M _y	-14.58	0.00	-0.60	-0.00	-0.14	0.03	CO 3
				Min M _y	-8.16	-0.00	-0.10	-0.00	-0.15	0.02	CO 14
				Max M _z	-14.65	0.00	-0.61	-0.00	-0.14	0.03	CO 5
				Min M _z	-8.16	-0.00	-0.10	-0.00	-0.15	0.02	CO 14
			0.000 Right	Max N	-8.07	-0.00	-0.10	-0.00	-0.15	0.02	CO 9
				Min N	-14.67	0.00	-0.61	-0.00	-0.14	0.03	CO 8
				Max V _y	-14.58	0.00	-0.60	-0.00	-0.14	0.03	CO 3
				Min V _y	-8.16	-0.00	-0.10	-0.00	-0.15	0.02	CO 14
				Max V _z	-8.07	-0.00	-0.10	-0.00	-0.15	0.02	CO 9
				Min V _z	-14.66	0.00	-0.61	-0.00	-0.14	0.03	CO 6
				Max M _T	-8.16	-0.00	-0.10	-0.00	-0.15	0.02	CO 14
				Min M _T	-14.65	0.00	-0.61	-0.00	-0.14	0.03	CO 5
				Max M _y	-14.58	0.00	-0.60	-0.00	-0.14	0.03	CO 3
				Min M _y	-8.16	-0.00	-0.10	-0.00	-0.15	0.02	CO 14
				Max M _z	-14.65	0.00	-0.61	-0.00	-0.14	0.03	CO 5
				Min M _z	-8.16	-0.00	-0.10	-0.00	-0.15	0.02	CO 14
			0.504 Left	Max N	-8.07	-0.00	-0.05	-0.00	-0.19	0.02	CO 9
				Min N	-14.67	0.01	-0.11	-0.00	-0.36	0.02	CO 8
				Max V _y	-14.58	0.01	-0.11	-0.00	-0.36	0.02	CO 3
				Min V _y	-8.16	-0.00	-0.05	-0.00	-0.19	0.02	CO 14
				Max V _z	-8.07	-0.00	-0.05	-0.00	-0.19	0.02	CO 9
				Min V _z	-14.66	0.01	-0.11	-0.00	-0.36	0.02	CO 6

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases			
				N	V _y	V _z	M _T	M _y	M _z				
178	RC1	119	0.504 Right	Max M _T	-8.16	-0.00	-0.05	▷	-0.00	-0.19	0.02	CO 14	
				Min M _T	-14.65	0.01	-0.11	▷	-0.00	-0.36	0.02	CO 5	
				Max M _y	-8.07	-0.00	-0.05	-0.00	▷	-0.19	0.02	CO 9	
				Min M _y	-14.66	0.01	-0.11	-0.00	▷	-0.36	0.02	CO 6	
				Max M _z	-14.65	0.01	-0.11	-0.00	-0.00	-0.36	0.02	CO 5	
				Min M _z	-8.16	-0.00	-0.05	-0.00	-0.00	-0.19	0.02	CO 14	
				Max N	-8.07	-0.00	-0.05	-0.00	-0.00	-0.19	0.02	CO 9	
				Min N	-14.67	0.01	-0.11	-0.00	-0.00	-0.36	0.02	CO 8	
				Max V _y	-14.58	▷	0.01	-0.00	-0.00	-0.36	0.02	CO 3	
				Min V _y	-8.16	▷	-0.00	-0.05	-0.00	-0.19	0.02	CO 14	
				Max V _z	-8.07	-0.00	▷	-0.05	-0.00	-0.19	0.02	CO 9	
				Min V _z	-14.66	0.01	▷	-0.11	-0.00	-0.36	0.02	CO 6	
				Max M _T	-8.16	-0.00	-0.05	▷	-0.00	-0.19	0.02	CO 14	
				Min M _T	-14.65	0.01	-0.11	▷	-0.00	-0.36	0.02	CO 5	
				Max M _y	-8.07	-0.00	-0.05	-0.00	-0.00	-0.19	0.02	CO 9	
				Min M _y	-14.66	0.01	-0.11	-0.00	▷	-0.36	0.02	CO 6	
				Max M _z	-14.65	0.01	-0.11	-0.00	-0.00	-0.36	0.02	CO 5	
				Min M _z	-8.16	-0.00	-0.05	-0.00	-0.00	-0.19	▷	0.02	CO 14
				Max N	-8.07	0.00	-0.00	-0.00	-0.00	-0.21	0.02	CO 9	
				Min N	-14.67	0.01	0.39	-0.00	-0.00	-0.25	0.02	CO 8	
				Max V _y	-14.58	▷	0.01	0.39	-0.00	-0.25	0.02	CO 3	
				Min V _y	-8.16	▷	0.00	-0.00	-0.00	-0.21	0.02	CO 14	
				Max V _z	-14.59	0.01	▷	0.39	-0.00	-0.25	0.02	CO 1	
				Min V _z	-8.15	0.00	▷	-0.00	-0.00	-0.21	0.02	CO 12	
				Max M _T	-8.16	0.00	-0.00	-0.00	-0.00	-0.21	0.02	CO 14	
				Min M _T	-14.65	0.01	0.39	▷	-0.00	-0.25	0.02	CO 5	
				Max M _y	-8.07	0.00	-0.00	-0.00	▷	-0.21	0.02	CO 9	
				Min M _y	-14.66	0.01	0.39	-0.00	▷	-0.25	0.02	CO 6	
				Max M _z	-14.67	0.01	0.39	-0.00	-0.00	-0.25	▷	0.02	CO 8
				Min M _z	-8.07	0.00	-0.00	-0.00	-0.00	-0.21	▷	0.02	CO 9
				Max N	-8.07	0.00	-0.00	-0.00	-0.00	-0.21	0.02	CO 9	
				Min N	-14.67	0.01	0.39	-0.00	-0.00	-0.25	0.02	CO 8	
				Max V _y	-14.58	▷	0.01	0.39	-0.00	-0.25	0.02	CO 3	
				Min V _y	-8.16	▷	0.00	-0.00	-0.00	-0.21	0.02	CO 14	
				Max V _z	-14.59	0.01	▷	0.39	-0.00	-0.25	0.02	CO 1	
				Min V _z	-8.15	0.00	▷	-0.00	-0.00	-0.21	0.02	CO 12	
			Max M _T	-8.16	0.00	-0.00	-0.00	-0.00	-0.21	0.02	CO 14		
			Min M _T	-14.65	0.01	0.39	▷	-0.00	-0.25	0.02	CO 5		
			Max M _y	-8.07	0.00	-0.00	-0.00	-0.00	-0.21	0.02	CO 9		
			Min M _y	-14.66	0.01	0.39	-0.00	▷	-0.25	0.02	CO 6		
			Max M _z	-14.67	0.01	0.39	-0.00	-0.00	-0.25	▷	0.02	CO 8	
			Min M _z	-8.07	0.00	-0.00	-0.00	-0.00	-0.21	▷	0.02	CO 9	
			Max N	-8.07	0.00	-0.00	-0.08	-0.00	-0.11	0.01	CO 23		
			Min N	-10.63	0.00	-0.45	-0.00	-0.10	0.02	CO 22			
			Max V _y	-10.57	▷	0.00	-0.45	-0.10	0.02	CO 17			
			Min V _y	-5.81	▷	-0.00	-0.08	-0.11	0.01	CO 28			
			Max V _z	-5.75	-0.00	▷	-0.08	-0.11	0.01	CO 23			
			Min V _z	-10.62	0.00	▷	-0.45	-0.10	0.02	CO 20			
			Max M _T	-5.81	-0.00	-0.08	▷	-0.11	0.01	CO 28			
			Min M _T	-10.62	0.00	-0.45	▷	-0.10	0.02	CO 19			
			Max M _y	-10.57	0.00	-0.45	-0.00	-0.10	0.02	CO 17			
			Min M _y	-5.81	-0.00	-0.08	-0.00	-0.11	0.01	CO 28			
			Max M _z	-10.57	0.00	-0.45	-0.00	-0.10	0.02	CO 17			
			Min M _z	-10.57	0.00	-0.45	-0.00	-0.11	0.01	CO 28			
			Max N	-5.75	-0.00	-0.08	-0.00	-0.11	0.01	CO 28			
			Min N	-10.63	-0.00	-0.08	-0.00	-0.11	0.01	CO 28			
			Max V _y	-10.57	▷	0.00	-0.45	-0.10	0.02	CO 17			
			Min V _y	-5.81	▷	-0.00	-0.08	-0.11	0.01	CO 28			
			Max V _z	-5.75	-0.00	▷	-0.08	-0.11	0.01	CO 23			
			Min V _z	-10.62	0.00	▷	-0.45	-0.10	0.02	CO 20			
			Max M _T	-5.81	-0.00	-0.08	▷	-0.11	0.01	CO 28			
			Min M _T	-10.62	0.00	-0.45	▷	-0.10	0.02	CO 19			
			Max M _y	-10.57	0.00	-0.45	-0.00	-0.10	0.02	CO 17			
			Min M _y	-5.81	-0.00	-0.08	-0.00	-0.11	0.01	CO 28			
			Max M _z	-10.57	0.00	-0.45	-0.00	-0.10	0.02	CO 17			
			Min M _z	-5.81	-0.00	-0.08	-0.00	-0.11	0.01	CO 28			
			Max N	-5.75	0.00	-0.04	-0.00	-0.14	0.01	CO 23			
			Min N	-10.63	0.01	-0.08	-0.00	-0.26	0.02	CO 22			
			Max V _y	-10.57	▷	0.01	-0.08	-0.26	0.02	CO 17			
			Min V _y	-5.81	▷	-0.00	-0.04	-0.14	0.01	CO 28			
			Max V _z	-5.75	0.00	▷	-0.04	-0.14	0.01	CO 23			
			Min V _z	-10.62	0.01	▷	-0.08	-0.26	0.02	CO 20			
			Max M _T	-5.81	-0.00	-0.04	▷	-0.14	0.01	CO 28			
			Min M _T	-10.62	0.01	-0.08	▷	-0.26	0.02	CO 19			
			Max M _y	-5.75	0.00	-0.04	-0.00	-0.14	0.01	CO 23			
			Min M _y	-10.62	0.01	-0.08	-0.00	-0.26	0.02	CO 20			
			Max M _z	-10.62	0.01	-0.08	-0.00	-0.26	0.02	CO 19			
			Min M _z	-5.81	-0.00	-0.04	-0.00	-0.14	0.01	CO 28			
			Max N	-5.75	0.00	-0.00	-0.00	-0.15	0.01	CO 23			
			Min N	-10.63	0.01	0.29	-0.00	-0.18	0.01	CO 22			



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
178	RC2	119	1.007 Right	Max V _y	-10.57	0.01	0.29	-0.00	-0.18	0.01	CO 17
				Min V _y	-5.81	0.00	-0.00	-0.00	-0.15	0.01	CO 28
				Max V _z	-10.57	0.01	0.29	-0.00	-0.18	0.01	CO 15
				Min V _z	-5.81	0.00	-0.00	-0.00	-0.15	0.01	CO 26
				Max M _T	-5.81	0.00	-0.00	-0.00	-0.15	0.01	CO 28
				Min M _T	-10.62	0.01	0.29	-0.00	-0.18	0.01	CO 19
				Max M _y	-5.75	0.00	-0.00	-0.00	-0.15	0.01	CO 23
				Min M _y	-10.62	0.01	0.29	-0.00	-0.18	0.01	CO 20
				Max M _z	-10.63	0.01	0.29	-0.00	-0.18	0.01	CO 22
				Min M _z	-5.75	0.00	-0.00	-0.00	-0.15	0.01	CO 23
				Max N	-5.75	0.00	-0.00	-0.00	-0.15	0.01	CO 23
				Min N	-10.63	0.01	0.29	-0.00	-0.18	0.01	CO 22
				Max V _y	-10.57	0.01	0.29	-0.00	-0.18	0.01	CO 17
				Min V _y	-5.81	0.00	-0.00	-0.00	-0.15	0.01	CO 28
				Max V _z	-10.57	0.01	0.29	-0.00	-0.18	0.01	CO 15
				Min V _z	-5.81	0.00	-0.00	-0.00	-0.15	0.01	CO 26
				Max M _T	-5.81	0.00	-0.00	-0.00	-0.15	0.01	CO 28
				Min M _T	-10.62	0.01	0.29	-0.00	-0.18	0.01	CO 19
				Max M _y	-5.75	0.00	-0.00	-0.00	-0.15	0.01	CO 23
				Min M _y	-10.62	0.01	0.29	-0.00	-0.18	0.01	CO 20
				Max M _z	-10.63	0.01	0.29	-0.00	-0.18	0.01	CO 22
				Min M _z	-5.75	0.00	-0.00	-0.00	-0.15	0.01	CO 23
	RC6	118	0.000 Left	Max N	-8.28	0.07	-0.96	0.00	0.06	0.02	LC 1-4
				Min N	-11.51	-0.06	0.06	-0.00	-0.29	0.02	LC 1-5
				Max V _y	-9.90	1.25	-0.51	0.00	-0.11	0.55	LC 1-5
				Min V _y	-9.89	-1.24	-0.39	-0.00	-0.12	-0.51	LC 1-4
				Max V _z	-10.77	-0.05	0.32	-0.00	-0.42	0.01	LC 1-4
				Min V _z	-9.01	0.06	-1.22	0.00	0.20	0.03	LC 1-5
				Max M _T	-9.71	0.03	-0.51	0.03	-0.08	0.03	LC 1-4
				Min M _T	-10.08	-0.03	-0.39	-0.03	-0.15	0.01	LC 1-5
				Max M _y	-9.01	-0.05	-1.14	0.00	0.23	0.01	LC 1-4
				Min M _y	-10.78	0.06	0.24	-0.00	-0.46	0.03	LC 1-5
				Max M _z	-9.98	1.22	-0.49	0.00	-0.11	0.56	LC 1-5
				Min M _z	-9.81	-1.21	-0.42	-0.00	-0.12	-0.52	LC 1-4
			0.000 Right	Max N	-8.28	0.07	-0.96	0.00	0.06	0.02	LC 1-4
				Min N	-11.51	-0.06	0.06	-0.00	-0.29	0.02	LC 1-5
				Max V _y	-9.90	1.25	-0.51	0.00	-0.11	0.55	LC 1-5
				Min V _y	-9.89	-1.24	-0.39	-0.00	-0.12	-0.51	LC 1-4
				Max V _z	-10.77	-0.05	0.32	-0.00	-0.42	0.01	LC 1-4
				Min V _z	-9.01	0.06	-1.22	0.00	0.20	0.03	LC 1-5
				Max M _T	-9.71	0.03	-0.51	0.03	-0.08	0.03	LC 1-4
				Min M _T	-10.08	-0.03	-0.39	-0.03	-0.15	0.01	LC 1-5
				Max M _y	-9.01	-0.05	-1.14	0.00	0.23	0.01	LC 1-4
				Min M _y	-10.78	0.06	0.24	-0.00	-0.46	0.03	LC 1-5
				Max M _z	-9.98	1.22	-0.49	0.00	-0.11	0.56	LC 1-5
				Min M _z	-9.81	-1.21	-0.42	-0.00	-0.12	-0.52	LC 1-4
			0.504 Left	Max N	-8.28	0.07	-0.60	0.00	-0.36	-0.02	LC 1-4
				Min N	-11.51	-0.06	0.43	-0.00	-0.20	0.05	LC 1-5
				Max V _y	-9.90	1.25	-0.14	0.00	-0.31	-0.07	LC 1-5
				Min V _y	-9.89	-1.24	-0.03	-0.00	-0.25	0.11	LC 1-4
				Max V _z	-10.77	-0.05	0.68	-0.00	-0.20	0.04	LC 1-4
				Min V _z	-9.01	0.06	-0.85	0.00	-0.35	-0.00	LC 1-5
				Max M _T	-9.71	0.04	-0.14	0.03	-0.27	0.02	LC 1-4
				Min M _T	-10.08	-0.03	-0.03	-0.03	-0.28	0.02	LC 1-5
				Max M _y	-10.45	-0.23	0.24	0.00	-0.11	0.10	LC 1-4
				Min M _y	-9.34	0.24	-0.41	-0.00	-0.44	-0.06	LC 1-5
				Max M _z	-10.33	-0.80	0.01	-0.00	-0.19	0.17	LC 1-5
				Min M _z	-9.46	0.81	-0.18	0.00	-0.37	-0.13	LC 1-4
			0.504 Right	Max N	-8.28	0.07	-0.60	0.00	-0.36	-0.02	LC 1-4
				Min N	-11.51	-0.06	0.43	-0.00	-0.20	0.05	LC 1-5
				Max V _y	-9.90	1.25	-0.14	0.00	-0.31	-0.07	LC 1-5
				Min V _y	-9.89	-1.24	-0.03	-0.00	-0.25	0.11	LC 1-4
				Max V _z	-10.77	-0.05	0.68	-0.00	-0.20	0.04	LC 1-4
				Min V _z	-9.01	0.06	-0.85	0.00	-0.35	-0.00	LC 1-5
				Max M _T	-9.71	0.04	-0.14	0.03	-0.27	0.02	LC 1-4
				Min M _T	-10.08	-0.03	-0.03	-0.03	-0.28	0.02	LC 1-5
				Max M _y	-10.45	-0.23	0.24	0.00	-0.11	0.10	LC 1-4
				Min M _y	-9.34	0.24	-0.41	-0.00	-0.44	-0.06	LC 1-5
				Max M _z	-10.33	-0.80	0.01	-0.00	-0.19	0.17	LC 1-5
				Min M _z	-9.46	0.81	-0.18	0.00	-0.37	-0.13	LC 1-4
			1.007 Left	Max N	-8.28	0.07	-0.23	0.00	-0.54	-0.05	LC 1-4
				Min N	-11.51	-0.06	0.79	-0.00	0.14	0.08	LC 1-5
				Max V _y	-9.90	1.25	0.22	0.00	-0.26	-0.70	LC 1-5
				Min V _y	-9.89	-1.23	0.34	-0.00	-0.14	0.73	LC 1-4
				Max V _z	-10.77	-0.05	1.05	-0.00	0.26	0.07	LC 1-4
				Min V _z	-9.01	0.06	-0.48	0.00	-0.66	-0.03	LC 1-5
				Max M _T	-9.71	0.04	0.22	0.03	-0.22	-0.00	LC 1-4
				Min M _T	-10.08	-0.02	0.34	-0.03	-0.18	0.04	LC 1-5
				Max M _y	-10.82	-0.12	1.01	-0.00	0.28	0.12	LC 1-4
				Min M _y	-8.97	0.13	-0.45	0.00	-0.68	-0.09	LC 1-5
				Max M _z	-10.18	-1.22	0.35	-0.01	-0.12	0.74	LC 1-5
				Min M _z	-9.61	1.23	0.21	0.01	-0.28	-0.71	LC 1-4
	119	1.007 Right		Max N	-8.28	0.07	-0.23	0.00	-0.54	-0.05	LC 1-4
				Min N	-11.51	-0.06	0.79	-0.00	0.14	0.08	LC 1-5
				Max V _y	-9.90	1.25	0.22	0.00	-0.26	-0.70	LC 1-5
				Min V _y	-9.89	-1.23	0.34	-0.00	-0.14	0.73	LC 1-4
				Max V _z	-10.77	-0.05	1.05	-0.00	0.26	0.07	LC 1-4
				Min V _z	-9.01	0.06	-0.48	0.00	-0.66	-0.03	LC 1-5
				Max M _T	-9.71	0.04	0.22	0.03	-0.22	-0.00	LC 1-4
				Min M _T	-10.08	-0.02	0.34	-0.03	-0.18	0.04	LC 1-5
				Max M _y	-10.82	-0.12	1.01	-0.00	0.28	0.12	LC 1-4
				Min M _y	-8.97	0.13	-0.45	0.00	-0.68	-0.09	LC 1-5

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
178	RC6				Max M _z	-10.18	-1.22	0.35	-0.01	-0.12	0.74	LC 1-5	
179	RC1	119	0.000 Left		Min M _z	-9.61	1.23	0.21	0.01	-0.28	-0.71	LC 1-4	
				Max N	-8.07	0.04	-0.06	-0.00	-0.21	0.02	CO 9		
				Min N	-14.66	0.04	-0.56	-0.00	-0.25	0.02	CO 8		
				Max V _y	-8.14	0.04	-0.06	-0.00	-0.21	0.02	CO 11		
				Min V _y	-14.59	0.04	-0.56	-0.00	-0.25	0.02	CO 2		
				Max V _z	-8.16	0.04	-0.05	-0.00	-0.21	0.02	CO 14		
				Min V _z	-14.65	0.04	-0.56	-0.00	-0.25	0.02	CO 5		
				Max M _T	-8.16	0.04	-0.05	-0.00	-0.21	0.02	CO 14		
				Min M _T	-14.65	0.04	-0.56	-0.00	-0.25	0.02	CO 5		
				Max M _y	-8.07	0.04	-0.06	-0.00	-0.21	0.02	CO 9		
				Min M _y	-14.66	0.04	-0.56	-0.00	-0.25	0.02	CO 6		
				Max M _z	-14.65	0.04	-0.56	-0.00	-0.25	0.02	CO 5		
				Min M _z	-8.16	0.04	-0.05	-0.00	-0.21	0.02	CO 14		
				Max N	-8.07	0.04	-0.06	-0.00	-0.21	0.02	CO 9		
				Min N	-14.66	0.04	-0.56	-0.00	-0.25	0.02	CO 8		
				Max V _y	-8.14	0.04	-0.06	-0.00	-0.21	0.02	CO 11		
				Min V _y	-14.59	0.04	-0.56	-0.00	-0.25	0.02	CO 2		
				Max V _z	-8.16	0.04	-0.05	-0.00	-0.21	0.02	CO 14		
				Min V _z	-14.65	0.04	-0.56	-0.00	-0.25	0.02	CO 5		
				Max M _T	-8.16	0.04	-0.05	-0.00	-0.21	0.02	CO 14		
				Min M _T	-14.65	0.04	-0.56	-0.00	-0.25	0.02	CO 5		
				Max M _y	-8.07	0.04	-0.06	-0.00	-0.21	0.02	CO 9		
				Min M _y	-14.66	0.04	-0.56	-0.00	-0.25	0.02	CO 6		
				Max M _z	-14.65	0.04	-0.56	-0.00	-0.25	0.02	CO 5		
			Min M _z	-8.16	0.04	-0.05	-0.00	-0.21	0.02	CO 14			
			0.504 Left		Max N	-8.07	0.04	-0.00	-0.00	-0.22	0.00	CO 9	
				Min N	-14.66	0.04	-0.05	-0.00	-0.44	0.00	CO 8		
				Max V _y	-14.65	0.04	-0.06	-0.00	-0.44	0.00	CO 5		
				Min V _y	-8.16	0.04	-0.00	-0.00	-0.22	0.00	CO 14		
				Max V _z	-8.16	0.04	-0.00	-0.00	-0.22	0.00	CO 14		
				Min V _z	-14.65	0.04	-0.06	-0.00	-0.44	0.00	CO 5		
				Max M _T	-8.16	0.04	-0.00	-0.00	-0.22	0.00	CO 14		
				Min M _T	-14.65	0.04	-0.06	-0.00	-0.44	0.00	CO 5		
				Max M _y	-8.15	0.04	-0.00	-0.00	-0.22	0.00	CO 13		
				Min M _y	-14.66	0.04	-0.06	-0.00	-0.44	0.00	CO 6		
				Max M _z	-14.59	0.04	-0.05	-0.00	-0.44	0.00	CO 2		
				Min M _z	-8.14	0.04	-0.00	-0.00	-0.22	0.00	CO 11		
				0.504 Right		Max N	-8.07	0.04	-0.00	-0.00	-0.22	0.00	CO 9
					Min N	-14.66	0.04	-0.05	-0.00	-0.44	0.00	CO 8	
					Max V _y	-14.65	0.04	-0.06	-0.00	-0.44	0.00	CO 5	
					Min V _y	-8.16	0.04	-0.00	-0.00	-0.22	0.00	CO 14	
					Max V _z	-8.16	0.04	-0.00	-0.00	-0.22	0.00	CO 14	
					Min V _z	-14.65	0.04	-0.06	-0.00	-0.44	0.00	CO 5	
					Max M _T	-8.16	0.04	-0.00	-0.00	-0.22	0.00	CO 14	
					Min M _T	-14.65	0.04	-0.06	-0.00	-0.44	0.00	CO 5	
					Max M _y	-8.15	0.04	-0.00	-0.00	-0.22	0.00	CO 13	
					Min M _y	-14.66	0.04	-0.06	-0.00	-0.44	0.00	CO 6	
					Max M _z	-14.59	0.04	-0.05	-0.00	-0.44	0.00	CO 2	
					Min M _z	-8.14	0.04	-0.00	-0.00	-0.22	0.00	CO 11	
			1.007 Left		Max N	-8.07	0.04	0.05	-0.00	-0.21	-0.02	CO 9	
				Min N	-14.66	0.04	0.45	-0.00	-0.31	-0.02	CO 8		
				Max V _y	-14.65	0.05	0.44	-0.00	-0.31	-0.02	CO 5		
				Min V _y	-8.16	0.04	0.05	-0.00	-0.21	-0.02	CO 14		
				Max V _z	-14.66	0.04	0.45	-0.00	-0.31	-0.02	CO 8		
				Min V _z	-8.07	0.04	0.05	-0.00	-0.21	-0.02	CO 9		
				Max M _T	-8.16	0.04	0.05	-0.00	-0.21	-0.02	CO 14		
				Min M _T	-14.65	0.05	0.44	-0.00	-0.31	-0.02	CO 5		
				Max M _y	-8.15	0.04	0.05	-0.00	-0.21	-0.02	CO 13		
				Min M _y	-14.66	0.05	0.44	-0.00	-0.31	-0.02	CO 6		
				Max M _z	-14.59	0.04	0.45	-0.00	-0.30	-0.02	CO 2		
				Min M _z	-8.14	0.04	0.05	-0.00	-0.21	-0.02	CO 11		
				1.007 Right		Max N	-8.07	0.04	0.05	-0.00	-0.21	-0.02	CO 9
					Min N	-14.66	0.04	0.45	-0.00	-0.31	-0.02	CO 8	
					Max V _y	-14.65	0.05	0.44	-0.00	-0.31	-0.02	CO 5	
					Min V _y	-8.16	0.04	0.05	-0.00	-0.21	-0.02	CO 14	
					Max V _z	-14.66	0.04	0.45	-0.00	-0.31	-0.02	CO 8	
					Min V _z	-8.07	0.04	0.05	-0.00	-0.21	-0.02	CO 9	
					Max M _T	-8.16	0.04	0.05	-0.00	-0.21	-0.02	CO 14	
					Min M _T	-14.65	0.05	0.44	-0.00	-0.31	-0.02	CO 5	
					Max M _y	-8.15	0.04	0.05	-0.00	-0.21	-0.02	CO 13	
					Min M _y	-14.66	0.05	0.44	-0.00	-0.31	-0.02	CO 6	
					Max M _z	-14.59	0.04	0.45	-0.00	-0.30	-0.02	CO 2	
Min M _z	-8.14	0.04			0.05	-0.00	-0.21	-0.02	CO 11				
RC2 119	0.000 Left		Max N		-5.75	0.03	-0.03	-0.00	-0.15	0.02	CO 23		
		Min N	-10.63		0.03	-0.40	-0.00	-0.18	0.02	CO 22			
		Max V _y	-10.62		0.03	-0.40	-0.00	-0.18	0.02	CO 19			
		Min V _y	-10.57		0.03	-0.40	-0.00	-0.18	0.02	CO 16			
		Max V _z	-5.81		0.03	-0.03	-0.00	-0.15	0.02	CO 28			
		Min V _z	-10.62		0.03	-0.40	-0.00	-0.18	0.02	CO 19			
		Max M _T	-5.81		0.03	-0.03	-0.00	-0.15	0.02	CO 28			
		Min M _T	-10.62		0.03	-0.40	-0.00	-0.18	0.02	CO 19			
		Max M _y	-5.75		0.03	-0.03	-0.00	-0.15	0.02	CO 23			
		Min M _y	-10.62		0.03	-0.40	-0.00	-0.18	0.02	CO 20			
		Max M _z	-10.62		0.03	-0.40	-0.00	-0.18	0.02	CO 19			
		Min M _z	-5.81		0.03	-0.03	-0.00	-0.15	0.02	CO 28			
		0.000 Right		Max N	-5.75	0.03	-0.03	-0.00	-0.15	0.02	CO 23		
			Min N	-10.63	0.03	-0.40	-0.00	-0.18	0.02	CO 22			
			Max V _y	-10.62	0.03	-0.40	-0.00	-0.18	0.02	CO 19			
			Min V _y	-10.57	0.03	-0.40	-0.00	-0.18	0.02	CO 16			
			Max V _z	-5.81	0.03	-0.03	-0.00	-0.15	0.02	CO 28			
			Min V _z	-10.62	0.03	-0.40	-0.00	-0.18	0.02	CO 19			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding				
					N	V _y	V _z	M _T	M _y	M _z	Load Cases				
179	RC2			Max M _T	-5.81	0.03	-0.03	▷	-0.00	-0.15	0.02	CO 28			
				Min M _T	-10.62	0.03	-0.40	▷	-0.00	-0.18	0.02	CO 19			
				Max M _y	-5.75	0.03	-0.03	▷	-0.00	-0.15	0.02	CO 23			
				Min M _y	-10.62	0.03	-0.40	▷	-0.00	-0.18	0.02	CO 20			
				Max M _z	-10.62	0.03	-0.40	▷	-0.00	-0.18	0.02	CO 19			
				Min M _z	-5.81	0.03	-0.03	▷	-0.00	-0.15	0.02	CO 28			
				Max N	-5.75	0.03	0.01	▷	-0.00	-0.16	0.00	CO 23			
				Min N	-10.63	0.03	-0.03	▷	-0.00	-0.32	0.00	CO 22			
				Max V _y	-10.62	▷	0.03	▷	-0.00	-0.32	0.00	CO 19			
				Min V _y	-5.81	▷	0.03	▷	-0.00	-0.16	0.00	CO 28			
				Max V _z	-5.81	0.03	▷	0.01	▷	-0.00	-0.16	0.00	CO 28		
				Min V _z	-10.62	0.03	▷	-0.03	▷	-0.00	-0.32	0.00	CO 19		
				Max M _T	-5.81	0.03	0.01	▷	-0.00	-0.16	0.00	CO 28			
				Min M _T	-10.62	0.03	-0.03	▷	-0.00	-0.32	0.00	CO 19			
				Max M _y	-5.81	0.03	0.01	▷	-0.00	-0.16	0.00	CO 27			
				Min M _y	-10.62	0.03	-0.03	▷	-0.00	-0.32	0.00	CO 20			
				Max M _z	-10.57	0.03	-0.03	▷	-0.00	-0.32	▷	0.00	CO 16		
				Min M _z	-5.80	0.03	0.01	▷	-0.00	-0.16	▷	0.00	CO 25		
				Max N	-5.75	0.03	0.01	▷	-0.00	-0.16	0.00	CO 23			
				Min N	-10.63	0.03	-0.03	▷	-0.00	-0.32	0.00	CO 22			
				Max V _y	-10.62	▷	0.03	▷	-0.00	-0.32	0.00	CO 19			
				Min V _y	-5.81	▷	0.03	▷	-0.00	-0.16	0.00	CO 28			
				Max V _z	-5.81	0.03	▷	0.01	▷	-0.00	-0.16	0.00	CO 28		
				Min V _z	-10.62	0.03	▷	-0.03	▷	-0.00	-0.32	0.00	CO 19		
				Max M _T	-5.81	0.03	0.01	▷	-0.00	-0.16	0.00	CO 28			
				Min M _T	-10.62	0.03	-0.03	▷	-0.00	-0.32	0.00	CO 19			
				Max M _y	-5.81	0.03	0.01	▷	-0.00	-0.16	0.00	CO 27			
				Min M _y	-10.62	0.03	-0.03	▷	-0.00	-0.32	0.00	CO 20			
				Max M _z	-10.57	0.03	-0.03	▷	-0.00	-0.32	▷	0.00	CO 16		
				Min M _z	-5.80	0.03	0.01	▷	-0.00	-0.16	▷	0.00	CO 25		
				Max N	-5.75	0.03	0.04	▷	-0.00	-0.15	-0.01	CO 23			
				Min N	-10.63	0.03	0.34	▷	-0.00	-0.21	-0.01	CO 22			
				Max V _y	-10.62	▷	0.03	▷	-0.00	-0.22	-0.01	CO 19			
				Min V _y	-5.81	▷	0.03	▷	-0.00	-0.14	-0.01	CO 28			
				Max V _z	-10.63	▷	0.03	▷	-0.00	-0.21	-0.01	CO 22			
				Min V _z	-5.75	▷	0.03	▷	-0.00	-0.15	-0.01	CO 23			
				Max M _T	-5.81	0.03	0.04	▷	-0.00	-0.14	-0.01	CO 28			
				Min M _T	-10.62	0.03	0.34	▷	-0.00	-0.22	-0.01	CO 19			
				Max M _y	-5.81	0.03	0.04	▷	-0.00	-0.14	-0.01	CO 27			
				Min M _y	-10.62	0.03	0.34	▷	-0.00	-0.22	-0.01	CO 20			
				Max M _z	-10.57	0.03	0.34	▷	-0.00	-0.21	▷	-0.01	CO 16		
				Min M _z	-5.80	0.03	0.04	▷	-0.00	-0.15	▷	-0.01	CO 25		
		120				Max N	-5.75	0.03	0.04	▷	-0.00	-0.15	-0.01	CO 23	
						Min N	-10.63	0.03	0.34	▷	-0.00	-0.21	-0.01	CO 22	
						Max V _y	-10.62	▷	0.03	▷	-0.00	-0.22	-0.01	CO 19	
						Min V _y	-5.81	▷	0.03	▷	-0.00	-0.14	-0.01	CO 28	
						Max V _z	-10.63	▷	0.03	▷	-0.00	-0.21	-0.01	CO 22	
						Min V _z	-5.75	▷	0.03	▷	-0.00	-0.15	-0.01	CO 23	
						Max M _T	-5.81	0.03	0.04	▷	-0.00	-0.14	-0.01	CO 28	
						Min M _T	-10.62	0.03	0.34	▷	-0.00	-0.22	-0.01	CO 19	
						Max M _y	-5.81	0.03	0.04	▷	-0.00	-0.14	-0.01	CO 27	
						Min M _y	-10.62	0.03	0.34	▷	-0.00	-0.22	-0.01	CO 20	
						Max M _z	-10.57	0.03	0.34	▷	-0.00	-0.21	▷	-0.01	CO 16
						Min M _z	-5.80	0.03	0.04	▷	-0.00	-0.15	▷	-0.01	CO 25
				0.000	Right	Max N	-7.60	0.00	-0.27	▷	0.00	-0.22	-0.01	LC 1-4	
						Min N	-12.18	0.06	-0.32	▷	-0.00	-0.18	0.05	LC 1-5	
						Max V _y	-9.96	▷	1.30	▷	0.00	-0.14	0.75	LC 1-5	
						Min V _y	-9.83	▷	-1.24	▷	-0.01	-0.26	-0.71	LC 1-4	
						Max V _z	-9.79	-0.03	▷	0.47	▷	-0.00	-0.66	-0.03	LC 1-4
						Min V _z	-10.00	0.09	▷	-1.06	▷	-0.00	0.26	0.08	LC 1-5
						Max M _T	-9.62	0.06	-0.33	▷	0.03	-0.18	0.04	LC 1-4	
						Min M _T	-10.16	0.00	-0.26	▷	-0.04	-0.23	0.00	LC 1-5	
						Max M _y	-9.79	0.17	-1.03	▷	0.00	0.28	0.14	LC 1-4	
						Min M _y	-9.99	-0.11	0.44	▷	-0.00	-0.68	-0.09	LC 1-5	
						Max M _z	-9.99	1.29	-0.37	▷	0.01	-0.12	0.76	LC 1-5	
						Min M _z	-9.80	-1.23	-0.22	▷	-0.01	-0.28	-0.72	LC 1-4	
				0.504	Left	Max N	-7.60	0.00	0.10	▷	0.00	-0.30	-0.01	LC 1-4	
						Min N	-12.18	0.06	0.05	▷	-0.00	-0.27	0.02	LC 1-5	
						Max V _y	-9.96	▷	1.30	▷	0.00	-0.25	0.10	LC 1-5	
						Min V _y	-9.83	▷	-1.24	▷	-0.01	-0.32	-0.08	LC 1-4	
						Max V _z	-9.79	-0.03	▷	0.84	▷	-0.00	-0.36	-0.02	LC 1-4
						Min V _z	-10.00	0.09	▷	-0.69	▷	-0.00	-0.21	0.03	LC 1-5
						Max M _T	-9.62	0.06	0.04	▷	0.03	-0.28	0.01	LC 1-4	
						Min M _T	-10.16	0.00	0.11	▷	-0.04	-0.29	0.00	LC 1-5	
						Max M _y	-9.86	0.33	-0.33	▷	0.00	-0.14	0.09	LC 1-4	
						Min M _y	-9.93	-0.27	0.48	▷	-0.00	-0.43	-0.08	LC 1-5	
						Max M _z	-9.94	0.84	-0.07	▷	0.00	-0.20	0.15	LC 1-4	
		0.504	Right	Min M _z	-9.84	-0.78	0.22	-0.01	-0.37	-0.14	LC 1-5				
				Max N	-7.60	0.00	0.10	0.00	-0.30	-0.01	LC 1-4				
				Min N	-12.18	0.06	0.05	-0.00	-0.27	0.02	LC 1-5				

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases				
					N	V _y	V _z	M _T	M _y	M _z					
179	RC6			1.007 Left	Max V _y	-9.96	1.30	0.02	0.00	-0.25	0.10	LC 1-5			
					Min V _y	-9.83	-1.24	0.13	-0.01	-0.32	-0.08	LC 1-4			
					Max V _z	-9.79	-0.03	0.84	-0.00	-0.36	-0.02	LC 1-4			
					Min V _z	-10.00	0.09	-0.69	-0.00	-0.21	0.03	LC 1-5			
					Max M _T	-9.62	0.06	0.04	0.03	-0.28	0.01	LC 1-4			
					Min M _T	-10.16	0.00	0.11	-0.04	-0.29	0.00	LC 1-5			
					Max M _y	-9.86	0.33	-0.33	0.00	-0.14	0.09	LC 1-4			
					Min M _y	-9.93	-0.27	0.48	-0.00	-0.43	-0.08	LC 1-5			
					Max M _z	-9.94	0.84	-0.07	0.00	-0.20	0.15	LC 1-4			
					Min M _z	-9.84	-0.78	0.22	-0.01	-0.37	-0.14	LC 1-5			
					Max N	-7.60	0.01	0.46	0.00	-0.13	-0.01	LC 1-4			
					Min N	-12.18	0.06	0.41	-0.00	-0.13	-0.01	LC 1-5			
					Max V _y	-9.96	1.31	0.38	0.00	-0.12	-0.56	LC 1-5			
					Min V _y	-9.83	-1.24	0.49	-0.01	-0.13	0.54	LC 1-4			
					Max V _z	-9.79	-0.03	1.20	-0.00	0.18	-0.01	LC 1-4			
					Min V _z	-10.00	0.09	-0.33	-0.00	-0.44	-0.01	LC 1-5			
					Max M _T	-9.62	0.06	0.40	0.03	-0.14	-0.02	LC 1-4			
					Min M _T	-10.16	0.00	0.47	-0.04	-0.12	-0.00	LC 1-5			
					Max M _y	-9.85	0.09	1.15	-0.00	0.21	-0.03	LC 1-4			
					Min M _y	-9.94	-0.03	-0.27	-0.00	-0.46	0.02	LC 1-5			
					Max M _z	-9.86	-1.22	0.46	-0.01	-0.14	0.55	LC 1-4			
					Min M _z	-9.92	1.28	0.42	0.00	-0.12	-0.57	LC 1-5			
					120		1.007 Right	Max N	-7.60	0.01	0.46	0.00	-0.13	-0.01	LC 1-4
								Min N	-12.18	0.06	0.41	-0.00	-0.13	-0.01	LC 1-5
								Max V _y	-9.96	1.31	0.38	0.00	-0.12	-0.56	LC 1-5
								Min V _y	-9.83	-1.24	0.49	-0.01	-0.13	0.54	LC 1-4
								Max V _z	-9.79	-0.03	1.20	-0.00	0.18	-0.01	LC 1-4
								Min V _z	-10.00	0.09	-0.33	-0.00	-0.44	-0.01	LC 1-5
								Max M _T	-9.62	0.06	0.40	0.03	-0.14	-0.02	LC 1-4
								Min M _T	-10.16	0.00	0.47	-0.04	-0.12	-0.00	LC 1-5
								Max M _y	-9.85	0.09	1.15	-0.00	0.21	-0.03	LC 1-4
								Min M _y	-9.94	-0.03	-0.27	-0.00	-0.46	0.02	LC 1-5
								Max M _z	-9.86	-1.22	0.46	-0.01	-0.14	0.55	LC 1-4
								Min M _z	-9.92	1.28	0.42	0.00	-0.12	-0.57	LC 1-5
180	RC1	120	0.000 Left	Max N				-8.06	-0.03	0.85	-0.00	-0.22	-0.01	CO 9	
				Min N				-14.65	-0.02	1.52	-0.01	-0.32	-0.01	CO 8	
				Max V _y				-14.57	-0.02	1.51	-0.01	-0.32	-0.01	CO 1	
				Min V _y				-8.14	-0.03	0.86	-0.00	-0.22	-0.01	CO 12	
				Max V _z				-14.65	-0.02	1.52	-0.01	-0.32	-0.01	CO 8	
				Min V _z				-8.06	-0.03	0.85	-0.00	-0.22	-0.01	CO 9	
				Max M _T	-8.07	-0.03	0.85	-0.00	-0.22	-0.01	CO 10				
				Min M _T	-14.65	-0.02	1.52	-0.01	-0.32	-0.01	CO 7				
				Max M _y	-8.14	-0.03	0.86	-0.00	-0.22	-0.01	CO 13				
				Min M _y	-14.64	-0.02	1.51	-0.01	-0.32	-0.01	CO 6				
				Max M _z	-14.58	-0.02	1.51	-0.01	-0.32	-0.01	CO 2				
				Min M _z	-8.13	-0.03	0.86	-0.00	-0.22	-0.01	CO 11				
			0.000 Right	Max N	-8.06	-0.03	0.85	-0.00	-0.22	-0.01	CO 9				
				Min N	-14.65	-0.02	1.52	-0.01	-0.32	-0.01	CO 8				
				Max V _y	-14.57	-0.02	1.51	-0.01	-0.32	-0.01	CO 1				
				Min V _y	-8.14	-0.03	0.86	-0.00	-0.22	-0.01	CO 12				
				Max V _z	-14.65	-0.02	1.52	-0.01	-0.32	-0.01	CO 8				
				Min V _z	-8.06	-0.03	0.85	-0.00	-0.22	-0.01	CO 9				
				Max M _T	-8.07	-0.03	0.85	-0.00	-0.22	-0.01	CO 10				
				Min M _T	-14.65	-0.02	1.52	-0.01	-0.32	-0.01	CO 7				
				Max M _y	-8.14	-0.03	0.86	-0.00	-0.22	-0.01	CO 13				
				Min M _y	-14.64	-0.02	1.51	-0.01	-0.32	-0.01	CO 6				
				Max M _z	-14.58	-0.02	1.51	-0.01	-0.32	-0.01	CO 2				
				Min M _z	-8.13	-0.03	0.86	-0.00	-0.22	-0.01	CO 11				
			0.504 Left	Max N	-8.06	-0.03	0.90	-0.00	0.22	0.00	CO 9				
				Min N	-14.65	-0.02	2.01	-0.01	0.54	-0.00	CO 8				
				Max V _y	-14.57	-0.01	2.00	-0.01	0.53	-0.00	CO 1				
				Min V _y	-8.14	-0.03	0.91	-0.00	0.22	0.00	CO 12				
				Max V _z	-14.65	-0.02	2.01	-0.01	0.54	-0.00	CO 8				
				Min V _z	-8.06	-0.03	0.90	-0.00	0.22	0.00	CO 9				
				Max M _T	-8.07	-0.03	0.90	-0.00	0.22	0.00	CO 10				
				Min M _T	-14.65	-0.01	2.01	-0.01	0.54	-0.00	CO 7				
				Max M _y	-14.65	-0.02	2.01	-0.01	0.54	-0.00	CO 8				
				Min M _y	-8.06	-0.03	0.90	-0.00	0.22	0.00	CO 9				
Max M _z	-8.15	-0.03		0.91	-0.00	0.23	0.00	CO 14							
Min M _z	-14.57	-0.02		2.00	-0.01	0.53	-0.00	CO 3							
0.504 Right	Max N	-8.06	-0.03	0.90	-0.00	0.22	0.00	CO 9							
	Min N	-14.65	-0.02	2.01	-0.01	0.54	-0.00	CO 8							
	Max V _y	-14.57	-0.01	2.00	-0.01	0.53	-0.00	CO 1							
	Min V _y	-8.14	-0.03	0.91	-0.00	0.22	0.00	CO 12							
	Max V _z	-14.65	-0.02	2.01	-0.01	0.54	-0.00	CO 8							
	Min V _z	-8.06	-0.03	0.90	-0.00	0.22	0.00	CO 9							
	Max M _T	-8.07	-0.03	0.90	-0.00	0.22	0.00	CO 10							
	Min M _T	-14.65	-0.01	2.01	-0.01	0.54	-0.00	CO 7							
	Max M _y	-14.65	-0.02	2.01	-0.01	0.54	-0.00	CO 8							
	Min M _y	-8.06	-0.03	0.90	-0.00	0.22	0.00	CO 9							
	Max M _z	-8.15	-0.03	0.91	-0.00	0.23	0.00	CO 14							
	Min M _z	-14.57	-0.02	2.00	-0.01	0.53	-0.00	CO 3							
1.007 Left	Max N	-8.06	-0.03	0.95	-0.00	0.68	0.02	CO 9							
	Min N	-14.65	-0.01	2.49	-0.01	1.71	0.00	CO 8							
	Max V _y	-14.58	-0.01	2.48	-0.01	1.70	0.00	CO 1							
	Min V _y	-8.14	-0.03	0.95	-0.00	0.69	0.02	CO 12							
	Max V _z	-14.65	-0.01	2.49	-0.01	1.71	0.00	CO 8							
	Min V _z	-8.06	-0.03	0.95	-0.00	0.68	0.02	CO 9							
	Max M _T	-8.07	-0.03	0.95	-0.00	0.69	0.02	CO 10							
	Min M _T	-14.65	-0.01	2.48	-0.01	1.71	0.00	CO 7							
	Max M _y	-14.65	-0.01	2.49	-0.01	1.71	0.00	CO 8							
	Min M _y	-8.06	-0.03	0.95	-0.00	0.68	0.02	CO 9							

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
180	RC1	89	1.007 Right	Max M _z	-8.14	-0.03	0.95	-0.00	0.69	0.02	CO 12
				Min M _z	-14.58	-0.01	2.48	-0.01	1.70	0.00	CO 1
				Max N	-8.06	-0.03	0.95	-0.00	0.68	0.02	CO 9
				Min N	-14.65	-0.01	2.49	-0.01	1.71	0.00	CO 8
				Max V _y	-14.58	-0.01	2.48	-0.01	1.70	0.00	CO 1
				Min V _y	-8.14	-0.03	0.95	-0.00	0.69	0.02	CO 12
				Max V _z	-14.65	-0.01	2.49	-0.01	1.71	0.00	CO 8
				Min V _z	-8.06	-0.03	0.95	-0.00	0.68	0.02	CO 9
				Max M _T	-8.07	-0.03	0.95	-0.00	0.69	0.02	CO 10
				Min M _T	-14.65	-0.01	2.48	-0.01	1.71	0.00	CO 7
				Max M _y	-14.65	-0.01	2.49	-0.01	1.71	0.00	CO 8
				Min M _y	-8.06	-0.03	0.95	-0.00	0.68	0.02	CO 9
				Max M _z	-8.14	-0.03	0.95	-0.00	0.69	0.02	CO 12
				Min M _z	-14.58	-0.01	2.48	-0.01	1.70	0.00	CO 1
				Max N	-5.74	-0.02	0.61	-0.00	-0.15	-0.01	CO 23
				Min N	-10.62	-0.01	1.10	-0.01	-0.22	-0.01	CO 22
		Max V _y	-10.56	-0.01	1.10	-0.01	-0.22	-0.01	CO 15		
		Min V _y	-5.80	-0.02	0.62	-0.00	-0.15	-0.01	CO 26		
		Max V _z	-10.62	-0.01	1.10	-0.01	-0.22	-0.01	CO 22		
		Min V _z	-5.74	-0.02	0.61	-0.00	-0.15	-0.01	CO 23		
		Max M _T	-5.75	-0.02	0.61	-0.00	-0.15	-0.01	CO 24		
		Min M _T	-10.62	-0.01	1.10	-0.01	-0.22	-0.01	CO 21		
		Max M _y	-5.80	-0.02	0.62	-0.00	-0.15	-0.01	CO 27		
		Min M _y	-10.61	-0.01	1.10	-0.01	-0.23	-0.01	CO 20		
		Max M _z	-10.57	-0.01	1.10	-0.01	-0.22	-0.01	CO 16		
		Min M _z	-5.80	-0.02	0.61	-0.00	-0.15	-0.01	CO 25		
		120	0.000 Left	Max N	-5.74	-0.02	0.61	-0.00	-0.15	-0.01	CO 23
				Min N	-10.62	-0.01	1.10	-0.01	-0.22	-0.01	CO 22
				Max V _y	-10.56	-0.01	1.10	-0.01	-0.22	-0.01	CO 15
				Min V _y	-5.80	-0.02	0.62	-0.00	-0.15	-0.01	CO 26
				Max V _z	-10.62	-0.01	1.10	-0.01	-0.22	-0.01	CO 22
				Min V _z	-5.74	-0.02	0.61	-0.00	-0.15	-0.01	CO 23
	Max M _T			-5.75	-0.02	0.61	-0.00	-0.15	-0.01	CO 24	
	Min M _T			-10.62	-0.01	1.10	-0.01	-0.22	-0.01	CO 21	
	Max M _y			-5.80	-0.02	0.62	-0.00	-0.15	-0.01	CO 27	
	Min M _y			-10.61	-0.01	1.10	-0.01	-0.23	-0.01	CO 20	
	Max M _z			-10.57	-0.01	1.10	-0.01	-0.22	-0.01	CO 16	
	Min M _z			-5.80	-0.02	0.61	-0.00	-0.15	-0.01	CO 25	
	0.000 Right			Max N	-5.74	-0.02	0.61	-0.00	-0.15	-0.01	CO 23
				Min N	-10.62	-0.01	1.10	-0.01	-0.22	-0.01	CO 22
				Max V _y	-10.56	-0.01	1.10	-0.01	-0.22	-0.01	CO 15
				Min V _y	-5.80	-0.02	0.62	-0.00	-0.15	-0.01	CO 26
			Max V _z	-10.62	-0.01	1.10	-0.01	-0.22	-0.01	CO 22	
			Min V _z	-5.74	-0.02	0.61	-0.00	-0.15	-0.01	CO 23	
			Max M _T	-5.75	-0.02	0.61	-0.00	-0.15	-0.01	CO 24	
			Min M _T	-10.62	-0.01	1.10	-0.01	-0.22	-0.01	CO 21	
			Max M _y	-5.80	-0.02	0.62	-0.00	-0.15	-0.01	CO 27	
			Min M _y	-10.61	-0.01	1.10	-0.01	-0.23	-0.01	CO 20	
			Max M _z	-10.57	-0.01	1.10	-0.01	-0.22	-0.01	CO 16	
			Min M _z	-5.80	-0.02	0.61	-0.00	-0.15	-0.01	CO 25	
			0.504 Left	Max N	-5.74	-0.02	0.65	-0.00	0.16	0.00	CO 23
				Min N	-10.62	-0.01	1.47	-0.01	0.40	-0.00	CO 22
				Max V _y	-10.56	-0.01	1.46	-0.01	0.40	-0.00	CO 15
				Min V _y	-5.80	-0.02	0.65	-0.00	0.17	0.00	CO 26
	Max V _z			-10.62	-0.01	1.47	-0.01	0.40	-0.00	CO 22	
	Min V _z			-5.74	-0.02	0.65	-0.00	0.16	0.00	CO 23	
	Max M _T			-5.75	-0.02	0.65	-0.00	0.16	0.00	CO 24	
	Min M _T			-10.62	-0.01	1.47	-0.01	0.40	-0.00	CO 21	
	Max M _y	-10.62		-0.01	1.47	-0.01	0.40	-0.00	CO 22		
	Min M _y	-5.74		-0.02	0.65	-0.00	0.16	0.00	CO 23		
	Max M _z	-5.80		-0.02	0.66	-0.00	0.17	0.00	CO 28		
	Min M _z	-10.56		-0.01	1.46	-0.01	0.39	-0.00	CO 17		
	0.504 Right	Max N		-5.74	-0.02	0.65	-0.00	0.16	0.00	CO 23	
		Min N		-10.62	-0.01	1.47	-0.01	0.40	-0.00	CO 22	
		Max V _y		-10.56	-0.01	1.46	-0.01	0.40	-0.00	CO 15	
		Min V _y		-5.80	-0.02	0.65	-0.00	0.17	0.00	CO 26	
		Max V _z	-10.62	-0.01	1.47	-0.01	0.40	-0.00	CO 22		
		Min V _z	-5.74	-0.02	0.65	-0.00	0.16	0.00	CO 23		
		Max M _T	-5.75	-0.02	0.65	-0.00	0.16	0.00	CO 24		
		Min M _T	-10.62	-0.01	1.47	-0.01	0.40	-0.00	CO 21		
		Max M _y	-10.62	-0.01	1.47	-0.01	0.40	-0.00	CO 22		
		Min M _y	-5.74	-0.02	0.65	-0.00	0.16	0.00	CO 23		
		Max M _z	-5.80	-0.02	0.66	-0.00	0.17	0.00	CO 28		
		Min M _z	-10.56	-0.01	1.46	-0.01	0.39	-0.00	CO 17		
		89	1.007 Left	Max N	-5.74	-0.02	0.68	-0.00	0.50	0.01	CO 23
				Min N	-10.62	-0.01	1.82	-0.01	1.26	0.00	CO 22
				Max V _y	-10.56	-0.01	1.82	-0.01	1.25	0.00	CO 15
				Min V _y	-5.80	-0.02	0.69	-0.00	0.50	0.01	CO 26
	Max V _z			-10.62	-0.01	1.82	-0.01	1.26	0.00	CO 22	
	Min V _z			-5.74	-0.02	0.68	-0.00	0.50	0.01	CO 23	
	Max M _T			-5.75	-0.02	0.68	-0.00	0.50	0.01	CO 24	
	Min M _T			-10.62	-0.01	1.82	-0.01	1.26	0.00	CO 21	
	Max M _y			-10.62	-0.01	1.82	-0.01	1.26	0.00	CO 22	
	Min M _y			-5.74	-0.02	0.68	-0.00	0.50	0.01	CO 23	
	Max M _z			-5.80	-0.02	0.69	-0.00	0.50	0.01	CO 26	
	Min M _z			-10.56	-0.01	1.82	-0.01	1.25	0.00	CO 15	
	1.007 Right			Max N	-5.74	-0.02	0.68	-0.00	0.50	0.01	CO 23
				Min N	-10.62	-0.01	1.82	-0.01	1.26	0.00	CO 22
				Max V _y	-10.56	-0.01	1.82	-0.01	1.25	0.00	CO 15
				Min V _y	-5.80	-0.02	0.69	-0.00	0.50	0.01	CO 26
			Max V _z	-10.62	-0.01	1.82	-0.01	1.26	0.00	CO 22	
			Min V _z	-5.74	-0.02	0.68	-0.00	0.50	0.01	CO 23	
Max M _T			-5.75	-0.02	0.68	-0.00	0.50	0.01	CO 24		
Min M _T			-10.62	-0.01	1.82	-0.01	1.26	0.00	CO 21		
Max M _y			-10.62	-0.01	1.82	-0.01	1.26	0.00	CO 22		
Min M _y			-5.74	-0.02	0.68	-0.00	0.50	0.01	CO 23		
Max M _z			-5.80	-0.02	0.69	-0.00	0.50	0.01	CO 26		
Min M _z			-10.56	-0.01	1.82	-0.01	1.25	0.00	CO 15		
120			0.000 Left	Max N	-6.23	0.10	0.56	-0.01	-0.07	0.04	LC 1-4
				Min N	-13.54	-0.05	1.59	-0.00	-0.21	-0.05	LC 1-5
				Max V _y	-9.38	0.76	0.98	-0.01	-0.12	0.29	LC 1-4
				Min V _y	-10.39	-0.72	1.18	-0.00	-0.15	-0.29	LC 1-5
	Max V _z			-12.55	-0.06	1.79	0.01	-0.36	-0.04	LC 1-5	
	Min V _z			-7.22	0.11	0.36	-0.02	0.09	0.04	LC 1-4	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding					
				N	V _y	V _z	M _T	M _y	M _z	Load Cases							
180	RC6			Max M _T	-9.77	0.00	1.11	▷	0.08	-0.12	-0.00	LC 1-4					
				Min M _T	-10.00	0.04	1.04	▷	-0.10	-0.15	0.00	LC 1-5					
				Max M _y	-8.95	0.05	0.52	▷	-0.01	0.15	0.01	LC 1-4					
				Min M _y	-10.82	0.00	1.63	▷	-0.01	-0.43	-0.01	LC 1-5					
				Max M _z	-9.22	0.63	0.95	▷	-0.00	-0.11	0.36	LC 1-4					
				Min M _z	-10.55	-0.59	1.20	▷	-0.01	-0.16	-0.36	LC 1-5					
				0.000 Right	Max N	-6.23	0.10	0.56	▷	-0.01	-0.07	0.04	LC 1-4				
					Min N	-13.54	-0.05	1.59	▷	-0.00	-0.21	-0.05	LC 1-5				
					Max V _y	-9.38	▷	0.76	▷	-0.01	-0.12	0.29	LC 1-4				
					Min V _y	-10.39	▷	-0.72	▷	-0.00	-0.15	-0.29	LC 1-5				
					Max V _z	-12.55	-0.06	▷	1.79	0.01	-0.36	-0.04	LC 1-5				
					Min V _z	-7.22	0.11	▷	0.36	-0.02	0.09	0.04	LC 1-4				
					Max M _T	-9.77	0.00	1.11	▷	0.08	-0.12	-0.00	LC 1-4				
					Min M _T	-10.00	0.04	1.04	▷	-0.10	-0.15	0.00	LC 1-5				
					Max M _y	-8.95	0.05	0.52	▷	-0.01	0.15	0.01	LC 1-4				
					Min M _y	-10.82	0.00	1.63	▷	-0.01	-0.43	-0.01	LC 1-5				
					Max M _z	-9.22	0.63	0.95	▷	-0.00	-0.11	0.36	LC 1-4				
					Min M _z	-10.55	-0.59	1.20	▷	-0.01	-0.16	-0.36	LC 1-5				
				0.504 Left	Max N	-6.23	0.10	0.92	▷	-0.01	0.28	-0.01	LC 1-4				
					Min N	-13.54	-0.05	1.96	▷	-0.00	0.66	-0.02	LC 1-5				
					Max V _y	-9.38	▷	0.76	▷	-0.01	0.43	-0.09	LC 1-4				
					Min V _y	-10.39	▷	-0.71	▷	-0.00	0.50	0.07	LC 1-5				
					Max V _z	-12.55	-0.06	▷	2.16	0.01	0.60	-0.01	LC 1-5				
					Min V _z	-7.22	0.11	▷	0.73	-0.02	0.33	-0.01	LC 1-4				
					Max M _T	-9.77	0.01	1.47	▷	0.08	0.50	-0.01	LC 1-4				
					Min M _T	-10.00	0.04	1.41	▷	-0.10	0.44	-0.02	LC 1-5				
					Max M _y	-12.96	-0.09	1.88	▷	0.01	0.70	-0.01	LC 1-5				
					Min M _y	-6.81	0.14	1.01	▷	-0.02	0.24	-0.01	LC 1-4				
					Max M _z	-9.83	-0.24	1.44	▷	0.01	0.47	0.20	LC 1-5				
					Min M _z	-9.94	0.29	1.45	▷	-0.02	0.46	-0.23	LC 1-4				
				0.504 Right	Max N	-6.23	0.10	0.92	▷	-0.01	0.28	-0.01	LC 1-4				
					Min N	-13.54	-0.05	1.96	▷	-0.00	0.66	-0.02	LC 1-5				
					Max V _y	-9.38	▷	0.76	▷	-0.01	0.43	-0.09	LC 1-4				
					Min V _y	-10.39	▷	-0.71	▷	-0.00	0.50	0.07	LC 1-5				
					Max V _z	-12.55	-0.06	▷	2.16	0.01	0.60	-0.01	LC 1-5				
					Min V _z	-7.22	0.11	▷	0.73	-0.02	0.33	-0.01	LC 1-4				
					Max M _T	-9.77	0.01	1.47	▷	0.08	0.50	-0.01	LC 1-4				
					Min M _T	-10.00	0.04	1.41	▷	-0.10	0.44	-0.02	LC 1-5				
					Max M _y	-12.96	-0.09	1.88	▷	0.01	0.70	-0.01	LC 1-5				
					Min M _y	-6.81	0.14	1.01	▷	-0.02	0.24	-0.01	LC 1-4				
					Max M _z	-9.83	-0.24	1.44	▷	0.01	0.47	0.20	LC 1-5				
					Min M _z	-9.94	0.29	1.45	▷	-0.02	0.46	-0.23	LC 1-4				
				1.007 Left	Max N	-6.23	0.10	1.29	▷	-0.01	0.86	-0.06	LC 1-4				
					Min N	-13.54	-0.05	2.33	▷	-0.00	1.77	0.01	LC 1-5				
					Max V _y	-9.38	▷	0.77	▷	-0.01	1.23	-0.48	LC 1-4				
					Min V _y	-10.39	▷	-0.71	▷	-0.00	1.40	0.42	LC 1-5				
					Max V _z	-12.55	-0.06	▷	2.52	0.01	1.81	0.02	LC 1-5				
					Min V _z	-7.22	0.11	▷	1.09	-0.02	0.82	-0.07	LC 1-4				
					Max M _T	-9.77	0.01	1.84	▷	0.08	1.36	-0.01	LC 1-4				
					Min M _T	-10.00	0.05	1.78	▷	-0.10	1.27	-0.04	LC 1-5				
					Max M _y	-13.02	-0.08	2.48	▷	0.01	1.84	0.03	LC 1-5				
					Min M _y	-6.75	0.13	1.14	▷	-0.02	0.78	-0.08	LC 1-4				
					Max M _z	-10.22	-0.65	1.88	▷	0.00	1.38	0.47	LC 1-5				
					Min M _z	-9.55	0.70	1.74	▷	-0.01	1.25	-0.52	LC 1-4				
				1.007 Right	Max N	-6.23	0.10	1.29	▷	-0.01	0.86	-0.06	LC 1-4				
					Min N	-13.54	-0.05	2.33	▷	-0.00	1.77	0.01	LC 1-5				
					Max V _y	-9.38	▷	0.77	▷	-0.01	1.23	-0.48	LC 1-4				
					Min V _y	-10.39	▷	-0.71	▷	-0.00	1.40	0.42	LC 1-5				
					Max V _z	-12.55	-0.06	▷	2.52	0.01	1.81	0.02	LC 1-5				
					Min V _z	-7.22	0.11	▷	1.09	-0.02	0.82	-0.07	LC 1-4				
					Max M _T	-9.77	0.01	1.84	▷	0.08	1.36	-0.01	LC 1-4				
					Min M _T	-10.00	0.05	1.78	▷	-0.10	1.27	-0.04	LC 1-5				
					Max M _y	-13.02	-0.08	2.48	▷	0.01	1.84	0.03	LC 1-5				
					Min M _y	-6.75	0.13	1.14	▷	-0.02	0.78	-0.08	LC 1-4				
					Max M _z	-10.22	-0.65	1.88	▷	0.00	1.38	0.47	LC 1-5				
					Min M _z	-9.55	0.70	1.74	▷	-0.01	1.25	-0.52	LC 1-4				
				193	RC1	103			Max N	-4.12	0.01	-0.24	▷	0.00	0.11	0.01	CO 14
									Min N	-9.34	-0.00	-0.83	▷	-0.00	0.04	-0.00	CO 5
									Max V _y	-4.18	▷	-0.24	▷	0.00	0.11	0.01	CO 13
									Min V _y	-9.28	▷	-0.83	▷	-0.00	0.04	-0.00	CO 6
									Max V _z	-4.18	▷	-0.24	▷	0.00	0.11	0.01	CO 13
									Min V _z	-9.28	▷	-0.83	▷	-0.00	0.04	-0.00	CO 6
									Max M _T	-4.20	0.01	-0.24	▷	0.00	0.12	0.01	CO 10
									Min M _T	-9.23	-0.00	-0.83	▷	-0.00	0.04	-0.00	CO 7
									Max M _y	-4.22	0.01	-0.24	▷	0.00	0.12	0.01	CO 12
									Min M _y	-9.21	-0.00	-0.83	▷	-0.00	0.04	-0.00	CO 1
									Max M _z	-4.26	0.01	-0.24	▷	0.00	0.12	0.01	CO 9
									Min M _z	-9.28	-0.00	-0.83	▷	-0.00	0.04	-0.00	CO 6
0.000 Right	Max N	-4.12	0.01						-0.24	▷	0.00	0.11	0.01	CO 14			
	Min N	-9.34	-0.00						-0.83	▷	-0.00	0.04	-0.00	CO 5			
	Max V _y	-4.18	▷						-0.24	▷	0.00	0.11	0.01	CO 13			
	Min V _y	-9.28	▷						-0.83	▷	-0.00	0.04	-0.00	CO 6			
	Max V _z	-4.18	▷						-0.24	▷	0.00	0.11	0.01	CO 13			
	Min V _z	-9.28	▷						-0.83	▷	-0.00	0.04	-0.00	CO 6			
	Max M _T	-4.20	0.01						-0.24	▷	0.00	0.12	0.01	CO 10			
	Min M _T	-9.23	-0.00						-0.83	▷	-0.00	0.04	-0.00	CO 7			
	Max M _y	-4.22	0.01						-0.24	▷	0.00	0.12	0.01	CO 12			
	Min M _y	-9.21	-0.00						-0.83	▷	-0.00	0.04	-0.00	CO 1			
	Max M _z	-4.26	0.01						-0.24	▷	0.00	0.12	0.01	CO 9			
	Min M _z	-9.28	-0.00						-0.83	▷	-0.00	0.04	-0.00	CO 6			
0.968 Left	Max N	-4.17	0.01						-0.17	▷	0.00	-0.08	0.01	CO 14			
	Min N	-9.39	-0.00						-0.40	▷	-0.00	-0.61	0.00	CO 5			

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases									
					N	V _y	V _z	M _T	M _y	M _z										
193	RC1				Max V _y	-4.23	0.01	-0.17	0.00	-0.08	0.01	CO 13								
					Min V _y	-9.33	-0.00	-0.40	-0.00	-0.61	-0.00	CO 6								
					Max V _z	-4.23	0.01	-0.17	0.00	-0.08	0.01	CO 13								
					Min V _z	-9.33	-0.00	-0.40	-0.00	-0.61	-0.00	CO 6								
					Max M _T	-4.26	0.01	-0.17	0.00	-0.08	0.01	CO 10								
					Min M _T	-9.29	-0.00	-0.40	-0.00	-0.61	0.00	CO 7								
					Max M _y	-4.28	0.01	-0.17	0.00	-0.08	0.01	CO 12								
					Min M _y	-9.27	-0.00	-0.40	-0.00	-0.61	0.00	CO 1								
					Max M _z	-4.32	0.01	-0.17	0.00	-0.08	0.01	CO 9								
					Min M _z	-9.23	-0.00	-0.40	-0.00	-0.61	-0.00	CO 8								
					0.968 Right		Max N	-4.17	0.01	-0.17	0.00	-0.08	0.01	CO 14						
							Min N	-9.39	-0.00	-0.40	-0.00	-0.61	0.00	CO 5						
							Max V _y	-4.23	0.01	-0.17	0.00	-0.08	0.01	CO 13						
							Min V _y	-9.33	-0.00	-0.40	-0.00	-0.61	-0.00	CO 6						
							Max V _z	-4.23	0.01	-0.17	0.00	-0.08	0.01	CO 13						
							Min V _z	-9.33	-0.00	-0.40	-0.00	-0.61	-0.00	CO 6						
							Max M _T	-4.26	0.01	-0.17	0.00	-0.08	0.01	CO 10						
							Min M _T	-9.29	-0.00	-0.40	-0.00	-0.61	0.00	CO 7						
							Max M _y	-4.28	0.01	-0.17	0.00	-0.08	0.01	CO 12						
							Min M _y	-9.27	-0.00	-0.40	-0.00	-0.61	0.00	CO 1						
							Max M _z	-4.32	0.01	-0.17	0.00	-0.08	0.01	CO 9						
							Min M _z	-9.23	-0.00	-0.40	-0.00	-0.61	-0.00	CO 8						
					3.360 Left		Max N	-4.31	0.01	0.03	0.00	-0.25	-0.01	CO 14						
							Min N	-9.53	-0.00	1.52	-0.00	0.73	0.00	CO 5						
							Max V _y	-4.37	0.01	0.03	0.00	-0.25	-0.01	CO 13						
							Min V _y	-9.47	-0.00	1.52	-0.00	0.73	0.00	CO 6						
							Max V _z	-9.40	-0.00	1.52	-0.00	0.74	0.00	CO 1						
							Min V _z	-4.42	0.01	0.03	0.00	-0.25	-0.01	CO 12						
							Max M _T	-4.40	0.01	0.03	0.00	-0.25	-0.01	CO 10						
							Min M _T	-9.43	-0.00	1.52	-0.00	0.74	0.00	CO 7						
							Max M _y	-9.40	-0.00	1.52	-0.00	0.74	0.00	CO 1						
							Min M _y	-4.42	0.01	0.03	0.00	-0.25	-0.01	CO 12						
							Max M _z	-9.47	-0.00	1.52	-0.00	0.73	0.00	CO 6						
							Min M _z	-4.37	0.01	0.03	0.00	-0.25	-0.01	CO 13						
					121					Max N	-4.31	0.01	0.03	0.00	-0.25	-0.01	CO 14			
										Min N	-9.53	-0.00	1.52	-0.00	0.73	0.00	CO 5			
										Max V _y	-4.37	0.01	0.03	0.00	-0.25	-0.01	CO 13			
										Min V _y	-9.47	-0.00	1.52	-0.00	0.73	0.00	CO 6			
										Max V _z	-9.40	-0.00	1.52	-0.00	0.74	0.00	CO 1			
										Min V _z	-4.42	0.01	0.03	0.00	-0.25	-0.01	CO 12			
										Max M _T	-4.40	0.01	0.03	0.00	-0.25	-0.01	CO 10			
										Min M _T	-9.43	-0.00	1.52	-0.00	0.74	0.00	CO 7			
										Max M _y	-9.40	-0.00	1.52	-0.00	0.74	0.00	CO 1			
										Min M _y	-4.42	0.01	0.03	0.00	-0.25	-0.01	CO 12			
										Max M _z	-9.47	-0.00	1.52	-0.00	0.73	0.00	CO 6			
										Min M _z	-4.37	0.01	0.03	0.00	-0.25	-0.01	CO 13			
	3.360 Right	Max N	-4.31	0.01						0.03	0.00	-0.25	-0.01	CO 14						
		Min N	-9.53	-0.00						1.52	-0.00	0.73	0.00	CO 5						
		Max V _y	-4.37	0.01						0.03	0.00	-0.25	-0.01	CO 13						
		Min V _y	-9.47	-0.00						1.52	-0.00	0.73	0.00	CO 6						
		Max V _z	-9.40	-0.00						1.52	-0.00	0.74	0.00	CO 1						
		Min V _z	-4.42	0.01						0.03	0.00	-0.25	-0.01	CO 12						
		Max M _T	-4.40	0.01						0.03	0.00	-0.25	-0.01	CO 10						
		Min M _T	-9.43	-0.00						1.52	-0.00	0.74	0.00	CO 7						
		Max M _y	-9.40	-0.00						1.52	-0.00	0.74	0.00	CO 1						
		Min M _y	-4.42	0.01						0.03	0.00	-0.25	-0.01	CO 12						
		Max M _z	-9.47	-0.00						1.52	-0.00	0.73	0.00	CO 6						
		Min M _z	-4.37	0.01						0.03	0.00	-0.25	-0.01	CO 13						
	RC2	103									Max N	-2.79	0.00	-0.18	0.00	0.10	0.01	CO 28		
											Min N	-6.64	-0.00	-0.62	-0.00	0.04	-0.00	CO 19		
											Max V _y	-2.83	0.00	-0.18	0.00	0.10	0.01	CO 27		
											Min V _y	-6.60	-0.00	-0.62	-0.00	0.04	-0.00	CO 20		
											Max V _z	-2.83	0.00	-0.18	0.00	0.10	0.01	CO 27		
											Min V _z	-6.60	-0.00	-0.62	-0.00	0.04	-0.00	CO 20		
											Max M _T	-2.85	0.00	-0.19	0.00	0.10	0.01	CO 24		
											Min M _T	-6.56	-0.00	-0.61	-0.00	0.04	-0.00	CO 21		
											Max M _y	-2.87	0.00	-0.19	0.00	0.10	0.01	CO 26		
											Min M _y	-6.54	-0.00	-0.61	-0.00	0.04	-0.00	CO 15		
											Max M _z	-2.89	0.00	-0.19	0.00	0.10	0.01	CO 23		
											Min M _z	-6.60	-0.00	-0.62	-0.00	0.04	-0.00	CO 20		
											0.000 Right		Max N	-2.79	0.00	-0.18	0.00	0.10	0.01	CO 28
													Min N	-6.64	-0.00	-0.62	-0.00	0.04	-0.00	CO 19
													Max V _y	-2.83	0.00	-0.18	0.00	0.10	0.01	CO 27
													Min V _y	-6.60	-0.00	-0.62	-0.00	0.04	-0.00	CO 20
													Max V _z	-2.83	0.00	-0.18	0.00	0.10	0.01	CO 27
													Min V _z	-6.60	-0.00	-0.62	-0.00	0.04	-0.00	CO 20
													Max M _T	-2.85	0.00	-0.19	0.00	0.10	0.01	CO 24
													Min M _T	-6.56	-0.00	-0.61	-0.00	0.04	-0.00	CO 21
													Max M _y	-2.87	0.00	-0.19	0.00	0.10	0.01	CO 26
													Min M _y	-6.54	-0.00	-0.61	-0.00	0.04	-0.00	CO 15
					Max M _z	-2.89	0.00	-0.19	0.00				0.10	0.01	CO 23					
					Min M _z	-6.60	-0.00	-0.62	-0.00				0.04	-0.00	CO 20					
					0.968 Left		Max N	-2.83	0.00		-0.13	0.00	-0.05	0.00	CO 28					
							Min N	-6.68	-0.00		-0.30	-0.00	-0.44	-0.00	CO 19					
							Max V _y	-2.87	0.00		-0.13	0.00	-0.05	0.01	CO 27					
							Min V _y	-6.64	-0.00		-0.30	-0.00	-0.44	-0.00	CO 20					
							Max V _z	-2.87	0.00		-0.13	0.00	-0.05	0.01	CO 27					
							Min V _z	-6.64	-0.00		-0.30	-0.00	-0.44	-0.00	CO 20					
							Max M _T	-2.89	0.00		-0.13	0.00	-0.05	0.00	CO 24					
							Min M _T	-6.60	-0.00		-0.30	-0.00	-0.44	-0.00	CO 21					
							Max M _y	-2.91	0.00		-0.13	0.00	-0.05	0.00	CO 26					
							Min M _y	-6.59	-0.00		-0.30	-0.00	-0.44	-0.00	CO 15					
Max M _z							-2.93	0.00	-0.13		0.00	-0.05	0.01	CO 23						
Min M _z							-6.56	-0.00	-0.30		-0.00	-0.44	-0.00	CO 22						
0.968 Right					Max N	-2.83	0.00	-0.13	0.00		-0.05	0.00	CO 28							
					Min N	-6.68	-0.00	-0.30	-0.00		-0.44	-0.00	CO 19							
					Max V _y	-2.87	0.00	-0.13	0.00		-0.05	0.01	CO 27							
					Min V _y	-6.64	-0.00	-0.30	-0.00		-0.44	-0.00	CO 20							
					Max V _z	-2.87	0.00	-0.13	0.00		-0.05	0.01	CO 27							
					Min V _z	-6.64	-0.00	-0.30	-0.00		-0.44	-0.00	CO 20							
					Max M _T	-2.89	0.00	-0.13	0.00		-0.05	0.00	CO 24							
					Min M _T	-6.60	-0.00	-0.30	-0.00		-0.44	-0.00	CO 21							
					Max M _y	-2.91	0.00	-0.13	0.00		-0.05	0.00	CO 26							
					Min M _y	-6.59	-0.00	-0.30	-0.00		-0.44	-0.00	CO 15							

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases			
					N	V _y	V _z	M _T	M _y	M _z				
193	RC2	121	3.360 Left	Max M _z	-2.93	0.00	-0.13	0.00	-0.05	0.01	CO 23			
				Min M _z	-6.56	-0.00	-0.30	-0.00	-0.44	-0.00	CO 22			
				Max N	-2.93	0.00	0.01	0.00	-0.19	-0.00	CO 28			
				Min N	-6.78	-0.00	1.12	-0.00	0.53	0.00	CO 19			
				Max V _y	-2.97	0.00	0.01	0.00	-0.19	-0.00	CO 27			
				Min V _y	-6.75	-0.00	1.12	-0.00	0.53	0.00	CO 20			
				Max V _z	-6.69	-0.00	1.12	-0.00	0.54	0.00	CO 15			
				Min V _z	-3.01	0.00	0.01	0.00	-0.19	-0.00	CO 26			
				Max M _T	-2.99	0.00	0.01	0.00	-0.19	-0.00	CO 24			
				Min M _T	-6.71	-0.00	1.12	-0.00	0.54	0.00	CO 21			
				Max M _y	-6.69	-0.00	1.12	-0.00	0.54	0.00	CO 15			
				Min M _y	-3.01	0.00	0.01	0.00	-0.19	-0.00	CO 26			
				Max M _z	-6.75	-0.00	1.12	-0.00	0.53	0.00	CO 20			
				Min M _z	-2.97	0.00	0.01	0.00	-0.19	-0.00	CO 27			
				Max N	-2.93	0.00	0.01	0.00	-0.19	-0.00	CO 28			
				Min N	-6.78	-0.00	1.12	-0.00	0.54	0.00	CO 19			
				Max V _y	-2.97	0.00	0.01	0.00	-0.19	-0.00	CO 27			
				Min V _y	-6.75	-0.00	1.12	-0.00	0.53	0.00	CO 20			
				Max V _z	-6.69	-0.00	1.12	-0.00	0.54	0.00	CO 15			
				Min V _z	-3.01	0.00	0.01	0.00	-0.19	-0.00	CO 26			
				Max M _T	-2.99	0.00	0.01	0.00	-0.19	-0.00	CO 24			
				Min M _T	-6.71	-0.00	1.12	-0.00	0.54	0.00	CO 21			
			Max M _y	-6.69	-0.00	1.12	-0.00	0.54	0.00	CO 15				
			Min M _y	-3.01	0.00	0.01	0.00	-0.19	-0.00	CO 26				
			Max M _z	-6.75	-0.00	1.12	-0.00	0.53	0.00	CO 20				
			Min M _z	-2.97	0.00	0.01	0.00	-0.19	-0.00	CO 27				
			RC6	103	0.000 Left	Max N	-0.84	0.03	-0.62	0.00	0.07	0.05	LC 1-4	
						Min N	-7.89	-0.03	-0.80	-0.01	0.38	-0.07	LC 1-5	
						Max V _y	-3.34	0.09	-0.66	-0.01	0.13	0.20	LC 1-4	
						Min V _y	-5.38	-0.10	-0.76	0.00	0.32	-0.22	LC 1-5	
						Max V _z	-3.01	0.01	-0.47	-0.01	-0.30	0.03	LC 1-4	
						Min V _z	-5.72	-0.02	-0.95	0.00	0.74	-0.05	LC 1-5	
						Max M _T	-3.49	-0.06	-0.78	0.01	0.38	-0.13	LC 1-4	
						Min M _T	-5.23	0.05	-0.64	-0.02	0.06	0.11	LC 1-5	
						Max M _y	-5.47	-0.02	-0.95	0.00	0.74	-0.05	LC 1-5	
						Min M _y	-3.26	0.01	-0.47	-0.01	-0.30	0.03	LC 1-4	
						Max M _z	-3.41	0.09	-0.66	-0.01	0.13	0.20	LC 1-4	
						Min M _z	-5.32	-0.10	-0.75	0.00	0.31	-0.22	LC 1-5	
						0.000 Right	Max N	-0.84	0.03	-0.62	0.00	0.07	0.05	LC 1-4
							Min N	-7.89	-0.03	-0.80	-0.01	0.38	-0.07	LC 1-5
							Max V _y	-3.34	0.09	-0.66	-0.01	0.13	0.20	LC 1-4
							Min V _y	-5.38	-0.10	-0.76	0.00	0.32	-0.22	LC 1-5
							Max V _z	-3.01	0.01	-0.47	-0.01	-0.30	0.03	LC 1-4
							Min V _z	-5.72	-0.02	-0.95	0.00	0.74	-0.05	LC 1-5
							Max M _T	-3.49	-0.06	-0.78	0.01	0.38	-0.13	LC 1-4
							Min M _T	-5.23	0.05	-0.64	-0.02	0.06	0.11	LC 1-5
	Max M _y	-5.47					-0.02	-0.95	0.00	0.74	-0.05	LC 1-5		
	Min M _y	-3.26					0.01	-0.47	-0.01	-0.30	0.03	LC 1-4		
	Max M _z	-3.41			0.09		-0.66	-0.01	0.13	0.20	LC 1-4			
	Min M _z	-5.32			-0.10		-0.75	0.00	0.31	-0.22	LC 1-5			
	0.968 Left	Max N			-0.88	0.03	-0.31	0.00	-0.42	0.02	LC 1-4			
		Min N			-7.93	-0.03	-0.49	-0.01	-0.29	-0.03	LC 1-5			
		Max V _y			-3.38	0.09	-0.35	-0.01	-0.40	0.11	LC 1-4			
		Min V _y			-5.43	-0.10	-0.45	0.00	-0.31	-0.12	LC 1-5			
		Max V _z			-3.05	0.01	-0.16	-0.01	-0.64	0.02	LC 1-4			
		Min V _z			-5.76	-0.02	-0.64	0.00	-0.07	-0.03	LC 1-5			
		Max M _T			-3.54	-0.06	-0.47	0.01	-0.26	-0.08	LC 1-4			
		Min M _T			-5.27	0.05	-0.33	-0.02	-0.45	0.07	LC 1-5			
		Max M _y			-5.30	-0.02	-0.64	0.00	-0.06	-0.02	LC 1-5			
		Min M _y			-3.51	0.01	-0.16	-0.01	-0.64	0.01	LC 1-4			
		Max M _z			-3.50	0.09	-0.35	-0.01	-0.40	0.11	LC 1-4			
		Min M _z			-5.31	-0.10	-0.44	0.00	-0.31	-0.12	LC 1-5			
	0.968 Right	Max N			-0.88	0.03	-0.31	0.00	-0.42	0.02	LC 1-4			
		Min N			-7.93	-0.03	-0.49	-0.01	-0.29	-0.03	LC 1-5			
		Max V _y			-3.38	0.09	-0.35	-0.01	-0.40	0.11	LC 1-4			
		Min V _y			-5.43	-0.10	-0.45	0.00	-0.31	-0.12	LC 1-5			
		Max V _z			-3.05	0.01	-0.16	-0.01	-0.64	0.02	LC 1-4			
		Min V _z			-5.76	-0.02	-0.64	0.00	-0.07	-0.03	LC 1-5			
		Max M _T			-3.54	-0.06	-0.47	0.01	-0.26	-0.08	LC 1-4			
		Min M _T			-5.27	0.05	-0.33	-0.02	-0.45	0.07	LC 1-5			
		Max M _y			-5.30	-0.02	-0.64	0.00	-0.06	-0.02	LC 1-5			
		Min M _y			-3.51	0.01	-0.16	-0.01	-0.64	0.01	LC 1-4			
		Max M _z			-3.50	0.09	-0.35	-0.01	-0.40	0.11	LC 1-4			
		Min M _z			-5.31	-0.10	-0.44	0.00	-0.31	-0.12	LC 1-5			
		3.360 Left	Max N	-0.98	0.03	1.10	0.00	0.52	-0.04	LC 1-4				
			Min N	-8.03	-0.03	0.92	-0.01	0.23	0.05	LC 1-5				
			Max V _y	-3.49	0.09	1.06	-0.01	0.44	-0.11	LC 1-4				
			Min V _y	-5.53	-0.10	0.96	0.00	0.31	0.12	LC 1-5				
			Max V _z	-3.15	0.01	1.25	-0.01	0.67	-0.02	LC 1-4				
			Min V _z	-5.86	-0.02	0.77	0.00	0.09	0.03	LC 1-5				
			Max M _T	-3.64	-0.06	0.94	0.01	0.30	0.06	LC 1-4				
			Min M _T	-5.37	0.05	1.08	-0.02	0.45	-0.05	LC 1-5				
	Max M _y		-2.74	0.02	1.25	-0.01	0.67	-0.02	LC 1-4					
	Min M _y		-6.28	-0.03	0.77	0.00	0.08	0.03	LC 1-5					
	Max M _z		-5.65	-0.10	0.96	0.00	0.30	0.12	LC 1-5					
	Min M _z		-3.36	0.09	1.06	-0.01	0.45	-0.11	LC 1-4					
	121		3.360 Right	Max N	-0.98	0.03	1.10	0.00	0.52	-0.04	LC 1-4			
				Min N	-8.03	-0.03	0.92	-0.01	0.23	0.05	LC 1-5			
				Max V _y	-3.49	0.09	1.06	-0.01	0.44	-0.11	LC 1-4			
				Min V _y	-5.53	-0.10	0.96	0.00	0.31	0.12	LC 1-5			
				Max V _z	-3.15	0.01	1.25	-0.01	0.67	-0.02	LC 1-4			
				Min V _z	-5.86	-0.02	0.77	0.00	0.09	0.03	LC 1-5			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]				Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
193	RC6			Max M _T	-3.64	-0.06	0.94	▷	0.01	0.30	0.06	LC 1-4
				Min M _T	-5.37	0.05	1.08	▷	-0.02	0.45	-0.05	LC 1-5
				Max M _y	-2.74	0.02	1.25		-0.01	0.67	-0.02	LC 1-4
				Min M _y	-6.28	-0.03	0.77		0.00	0.08	0.03	LC 1-5
				Max M _z	-5.65	-0.10	0.96		0.00	0.30	0.12	LC 1-5
196	RC1	69	0.000 Left	Min M _z	-3.36	0.09	1.06		-0.01	0.45	-0.11	LC 1-4
				Max N	-6.51	0.01	0.09		0.02	-0.42	-0.05	CO 9
				Min N	-10.95	-0.17	-0.24		0.07	-1.81	-0.29	CO 8
				Max V _y	-6.55	▷	0.01	0.09	0.02	-0.42	-0.05	CO 11
				Min V _y	-10.91	▷	-0.17	-0.24	0.07	-1.81	-0.29	CO 2
				Max V _z	-6.63	▷	0.01	0.09	0.02	-0.42	-0.05	CO 12
				Min V _z	-10.83	▷	-0.17	-0.24	0.07	-1.81	-0.29	CO 1
				Max M _T	-10.87	-0.17	-0.24	▷	0.07	-1.81	-0.29	CO 7
				Min M _T	-6.51	0.01	0.09	▷	0.02	-0.42	-0.05	CO 9
				Max M _y	-6.51	0.01	0.09		0.02	-0.42	-0.05	CO 9
			Min M _y	-10.95	-0.17	-0.24		0.07	-1.81	-0.29	CO 8	
			Max M _z	-6.59	0.01	0.09		0.02	-0.42	-0.05	CO 10	
			Min M _z	-10.87	-0.17	-0.24		0.07	-1.81	-0.29	CO 7	
			0.000 Right	Max N	-6.51	▷	0.01	0.09	0.02	-0.42	-0.05	CO 9
				Min N	-10.95	▷	-0.17	-0.24	0.07	-1.81	-0.29	CO 8
				Max V _y	-6.55	▷	0.01	0.09	0.02	-0.42	-0.05	CO 11
				Min V _y	-10.91	▷	-0.17	-0.24	0.07	-1.81	-0.29	CO 2
				Max V _z	-6.63	▷	0.01	0.09	0.02	-0.42	-0.05	CO 12
				Min V _z	-10.83	▷	-0.17	-0.24	0.07	-1.81	-0.29	CO 1
				Max M _T	-10.87	-0.17	-0.24	▷	0.07	-1.81	-0.29	CO 7
				Min M _T	-6.51	0.01	0.09	▷	0.02	-0.42	-0.05	CO 9
				Max M _y	-6.51	0.01	0.09		0.02	-0.42	-0.05	CO 9
				Min M _y	-10.95	-0.17	-0.24		0.07	-1.81	-0.29	CO 8
			0.128 Left	Max M _z	-6.59	0.01	0.09		0.02	-0.42	-0.05	CO 10
				Min M _z	-10.87	-0.17	-0.24		0.07	-1.81	-0.29	CO 7
				Max N	-6.51	▷	0.01	0.10	0.02	-0.40	-0.05	CO 9
				Min N	-10.94	▷	-0.12	-0.02	0.07	-1.83	-0.27	CO 8
				Max V _y	-6.54	▷	0.01	0.10	0.02	-0.41	-0.05	CO 11
				Min V _y	-10.90	▷	-0.12	-0.02	0.07	-1.83	-0.27	CO 2
				Max V _z	-6.62	▷	0.01	0.11	0.02	-0.41	-0.05	CO 12
				Min V _z	-10.82	▷	-0.12	-0.02	0.07	-1.83	-0.27	CO 1
				Max M _T	-10.86	-0.12	-0.02	▷	0.07	-1.83	-0.27	CO 7
				Min M _T	-6.51	0.01	0.10	▷	0.02	-0.40	-0.05	CO 9
			0.128 Right	Max M _y	-6.51	0.01	0.10		0.02	-0.40	-0.05	CO 9
				Min M _y	-10.94	-0.12	-0.02		0.07	-1.83	-0.27	CO 8
				Max M _z	-6.58	0.01	0.10		0.02	-0.41	-0.05	CO 10
				Min M _z	-10.86	-0.12	-0.02		0.07	-1.83	-0.27	CO 7
				Max N	-6.51	▷	0.01	0.10	0.02	-0.40	-0.05	CO 9
				Min N	-10.94	▷	-0.12	-0.02	0.07	-1.83	-0.27	CO 8
				Max V _y	-6.54	▷	0.01	0.10	0.02	-0.41	-0.05	CO 11
				Min V _y	-10.90	▷	-0.12	-0.02	0.07	-1.83	-0.27	CO 2
				Max V _z	-6.62	▷	0.01	0.11	0.02	-0.41	-0.05	CO 12
				Min V _z	-10.82	▷	-0.12	-0.02	0.07	-1.83	-0.27	CO 1
			1.097 Left	Max M _T	-10.86	-0.12	-0.02	▷	0.07	-1.83	-0.27	CO 7
				Min M _T	-6.51	0.01	0.10	▷	0.02	-0.40	-0.05	CO 9
				Max M _y	-6.51	0.01	0.10		0.02	-0.40	-0.05	CO 9
				Min M _y	-10.94	-0.12	-0.02		0.07	-1.83	-0.27	CO 8
				Max M _z	-6.58	0.01	0.10		0.02	-0.41	-0.05	CO 10
				Min M _z	-10.86	-0.12	-0.02		0.07	-1.83	-0.27	CO 7
				Max N	-6.46	▷	0.01	0.19	0.02	-0.26	-0.06	CO 9
Min N	-10.89	▷		0.09	1.27	0.07	-1.12	-0.25	CO 8			
Max V _y	-10.81	▷		0.09	1.27	0.07	-1.12	-0.25	CO 5			
Min V _y	-6.59	▷		0.00	0.19	0.02	-0.26	-0.06	CO 14			
1.097 Right	Max V _z	-10.89	▷	0.09	1.27	0.07	-1.12	-0.25	CO 6			
	Min V _z	-6.51	▷	0.01	0.19	0.02	-0.26	-0.06	CO 13			
	Max M _T	-10.82	0.09	1.27	▷	0.07	-1.12	-0.25	CO 7			
	Min M _T	-6.46	0.01	0.19	▷	0.02	-0.26	-0.06	CO 9			
	Max M _y	-6.58	0.01	0.19		0.02	-0.26	-0.06	CO 12			
	Min M _y	-10.78	0.09	1.27		0.07	-1.12	-0.25	CO 1			
	Max M _z	-6.59	0.00	0.19		0.02	-0.26	-0.06	CO 14			
	Min M _z	-10.81	0.09	1.27		0.07	-1.12	-0.25	CO 5			
	Max N	-6.46	▷	0.01	0.19	0.02	-0.26	-0.06	CO 9			
	Min N	-10.89	▷	0.09	1.27	0.07	-1.12	-0.25	CO 8			
RC2	69	0.000 Left	Max V _y	-10.81	▷	0.09	1.27	0.07	-1.12	-0.25	CO 5	
			Min V _y	-6.59	▷	0.00	0.19	0.02	-0.26	-0.06	CO 14	
			Max V _z	-10.89	▷	0.09	1.27	0.07	-1.12	-0.25	CO 6	
			Min V _z	-6.51	▷	0.01	0.19	0.02	-0.26	-0.06	CO 13	
			Max M _T	-10.82	0.09	1.27	▷	0.07	-1.12	-0.25	CO 7	
			Min M _T	-6.46	0.01	0.19	▷	0.02	-0.26	-0.06	CO 9	
			Max M _y	-6.58	0.01	0.19		0.02	-0.26	-0.06	CO 12	
			Min M _y	-10.78	0.09	1.27		0.07	-1.12	-0.25	CO 1	
			Max M _z	-6.59	0.00	0.19		0.02	-0.26	-0.06	CO 14	
			Min M _z	-10.81	0.09	1.27		0.07	-1.12	-0.25	CO 5	
			Max N	-4.63	0.00	0.06	0.02	-0.29	-0.03	CO 23		
			Min N	-7.91	-0.13	-0.18	0.05	-1.31	-0.21	CO 22		
			Max V _y	-4.66	▷	0.01	0.06	0.02	-0.29	-0.03	CO 25	
			Min V _y	-7.88	▷	-0.13	-0.18	0.05	-1.31	-0.21	CO 16	
			Max V _z	-4.71	▷	0.01	0.06	0.02	-0.29	-0.03	CO 26	
			Min V _z	-7.83	▷	-0.13	-0.18	0.05	-1.31	-0.21	CO 15	
			Max M _T	-7.86	-0.13	-0.18	▷	0.05	-1.31	-0.21	CO 21	
			Min M _T	-4.63	0.00	0.06	▷	0.02	-0.29	-0.03	CO 23	
			Max M _y	-4.63	0.00	0.06		0.02	-0.29	-0.03	CO 23	
			Min M _y	-7.91	-0.13	-0.18		0.05	-1.31	-0.21	CO 22	
			Max M _z	-4.69	0.00	0.06		0.02	-0.29	-0.03	CO 24	
			Min M _z	-7.86	-0.13	-0.18		0.05	-1.31	-0.21	CO 21	
			Max N	-4.63	0.00	0.06		0.02	-0.29	-0.03	CO 23	
			Min N	-7.91	-0.13	-0.18		0.05	-1.31	-0.21	CO 22	



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]						Moments [kNm]			Corresponding	
				N	V _y	V _z	M _T	M _y	M _z	Load Cases				
196	RC2			Max V _y	-4.66	0.01	0.06	0.02	-0.29	-0.03	CO 25			
				Min V _y	-7.88	-0.13	-0.18	0.05	-1.31	-0.21	CO 16			
				Max V _z	-4.71	0.01	0.06	0.02	-0.29	-0.03	CO 26			
				Min V _z	-7.83	-0.13	-0.18	0.05	-1.31	-0.21	CO 15			
				Max M _T	-7.86	-0.13	-0.18	0.05	-1.31	-0.21	CO 21			
				Min M _T	-4.63	0.00	0.06	0.02	-0.29	-0.03	CO 23			
				Max M _y	-4.63	0.00	0.06	0.02	-0.29	-0.03	CO 23			
				Min M _y	-7.91	-0.13	-0.18	0.05	-1.31	-0.21	CO 22			
				Max M _z	-4.69	0.00	0.06	0.02	-0.29	-0.03	CO 24			
				Min M _z	-7.86	-0.13	-0.18	0.05	-1.31	-0.21	CO 21			
				0.128 Left	Max N	-4.63	0.00	0.07	0.02	-0.28	-0.04	CO 23		
					Min N	-7.90	-0.09	-0.02	0.05	-1.33	-0.19	CO 22		
					Max V _y	-4.66	0.00	0.07	0.02	-0.28	-0.04	CO 25		
					Min V _y	-7.88	-0.09	-0.02	0.05	-1.33	-0.19	CO 16		
					Max V _z	-4.71	0.00	0.07	0.02	-0.28	-0.04	CO 26		
					Min V _z	-7.82	-0.09	-0.02	0.05	-1.33	-0.20	CO 15		
					Max M _T	-7.85	-0.09	-0.02	0.05	-1.33	-0.20	CO 21		
					Min M _T	-4.63	0.00	0.07	0.02	-0.28	-0.04	CO 23		
					Max M _y	-4.63	0.00	0.07	0.02	-0.28	-0.04	CO 23		
					Min M _y	-7.90	-0.09	-0.02	0.05	-1.33	-0.19	CO 22		
					Max M _z	-4.68	0.00	0.07	0.02	-0.28	-0.04	CO 24		
					Min M _z	-7.85	-0.09	-0.02	0.05	-1.33	-0.20	CO 21		
					0.128 Right	Max N	-4.63	0.00	0.07	0.02	-0.28	-0.04	CO 23	
						Min N	-7.90	-0.09	-0.02	0.05	-1.33	-0.19	CO 22	
				Max V _y		-4.66	0.00	0.07	0.02	-0.28	-0.04	CO 25		
				Min V _y		-7.88	-0.09	-0.02	0.05	-1.33	-0.19	CO 16		
				Max V _z		-4.71	0.00	0.07	0.02	-0.28	-0.04	CO 26		
				Min V _z		-7.82	-0.09	-0.02	0.05	-1.33	-0.20	CO 15		
				Max M _T		-7.85	-0.09	-0.02	0.05	-1.33	-0.20	CO 21		
				Min M _T		-4.63	0.00	0.07	0.02	-0.28	-0.04	CO 23		
				Max M _y		-4.63	0.00	0.07	0.02	-0.28	-0.04	CO 23		
				Min M _y		-7.90	-0.09	-0.02	0.05	-1.33	-0.19	CO 22		
				Max M _z		-4.68	0.00	0.07	0.02	-0.28	-0.04	CO 24		
				Min M _z		-7.85	-0.09	-0.02	0.05	-1.33	-0.20	CO 21		
				1.097 Left		Max N	-4.60	0.00	0.14	0.02	-0.18	-0.04	CO 23	
						Min N	-7.87	0.07	0.93	0.05	-0.81	-0.18	CO 22	
					Max V _y	-7.81	0.07	0.93	0.05	-0.81	-0.18	CO 19		
					Min V _y	-4.68	0.00	0.14	0.02	-0.18	-0.04	CO 28		
					Max V _z	-7.87	0.07	0.93	0.05	-0.81	-0.18	CO 20		
					Min V _z	-4.63	0.00	0.14	0.02	-0.18	-0.04	CO 27		
					Max M _T	-7.82	0.07	0.93	0.05	-0.81	-0.18	CO 21		
					Min M _T	-4.60	0.00	0.14	0.02	-0.18	-0.04	CO 23		
					Max M _y	-4.68	0.00	0.14	0.02	-0.18	-0.04	CO 26		
					Min M _y	-7.79	0.07	0.93	0.05	-0.81	-0.18	CO 15		
					Max M _z	-4.68	0.00	0.14	0.02	-0.18	-0.04	CO 28		
					Min M _z	-7.81	0.07	0.93	0.05	-0.81	-0.18	CO 19		
					127	1.097 Right	Max N	-4.60	0.00	0.14	0.02	-0.18	-0.04	CO 23
							Min N	-7.87	0.07	0.93	0.05	-0.81	-0.18	CO 22
				Max V _y			-7.81	0.07	0.93	0.05	-0.81	-0.18	CO 19	
				Min V _y			-4.68	0.00	0.14	0.02	-0.18	-0.04	CO 28	
				Max V _z			-7.87	0.07	0.93	0.05	-0.81	-0.18	CO 20	
				Min V _z			-4.63	0.00	0.14	0.02	-0.18	-0.04	CO 27	
				Max M _T			-7.82	0.07	0.93	0.05	-0.81	-0.18	CO 21	
				Min M _T			-4.60	0.00	0.14	0.02	-0.18	-0.04	CO 23	
				Max M _y			-4.68	0.00	0.14	0.02	-0.18	-0.04	CO 26	
				Min M _y			-7.79	0.07	0.93	0.05	-0.81	-0.18	CO 15	
				Max M _z			-4.68	0.00	0.14	0.02	-0.18	-0.04	CO 28	
				Min M _z			-7.81	0.07	0.93	0.05	-0.81	-0.18	CO 19	
	0.000 Left	Max N	-5.25	-0.12		-0.23	0.04	-1.09	-0.17	LC 1-4				
		Min N	-9.04	-0.18		-0.17	0.04	-1.13	-0.20	LC 1-5				
		Max V _y	-6.83	-0.05		-0.39	0.04	-0.48	-0.07	LC 1-5				
		Min V _y	-7.46	-0.25		-0.01	0.03	-1.74	-0.30	LC 1-4				
		Max V _z	-7.28	-0.18		0.38	0.04	-2.13	-0.33	LC 1-5				
		Min V _z	-7.01	-0.12		-0.79	0.03	-0.09	-0.04	LC 1-4				
		Max M _T	-7.64	-0.19		-0.08	0.05	-0.93	-0.19	LC 1-4				
		Min M _T	-6.65	-0.11		-0.32	0.03	-1.29	-0.17	LC 1-5				
		Max M _y	-7.05	-0.10		-0.73	0.04	0.03	-0.02	LC 1-4				
		Min M _y	-7.25	-0.20		0.32	0.04	-2.26	-0.34	LC 1-5				
		Max M _z	-7.07	-0.08		-0.71	0.04	0.00	-0.02	LC 1-5				
		Min M _z	-7.22	-0.22		0.31	0.04	-2.23	-0.35	LC 1-4				
		0.000 Right	Max N	-5.25		-0.12	-0.23	0.04	-1.09	-0.17	LC 1-4			
			Min N	-9.04		-0.18	-0.17	0.04	-1.13	-0.20	LC 1-5			
			Max V _y	-6.83		-0.05	-0.39	0.04	-0.48	-0.07	LC 1-5			
			Min V _y	-7.46		-0.25	-0.01	0.03	-1.74	-0.30	LC 1-4			
			Max V _z	-7.28		-0.18	0.38	0.04	-2.13	-0.33	LC 1-5			
			Min V _z	-7.01		-0.12	-0.79	0.03	-0.09	-0.04	LC 1-4			
			Max M _T	-7.64		-0.19	-0.08	0.05	-0.93	-0.19	LC 1-4			
			Min M _T	-6.65		-0.11	-0.32	0.03	-1.29	-0.17	LC 1-5			
			Max M _y	-7.05		-0.10	-0.73	0.04	0.03	-0.02	LC 1-4			
			Min M _y	-7.25		-0.20	0.32	0.04	-2.26	-0.34	LC 1-5			
	0.128 Left	Max M _z	-7.07	-0.08	-0.71	0.04	0.00	-0.02	LC 1-5					
		Min M _z	-7.22	-0.22	0.31	0.04	-2.23	-0.35	LC 1-4					
		Max N	-5.25	-0.09	-0.07	0.04	-1.11	-0.15	LC 1-4					
		Min N	-9.03	-0.14	-0.01	0.04	-1.15	-0.18	LC 1-5					
		Max V _y	-6.82	-0.01	-0.23	0.04	-0.52	-0.06	LC 1-5					
		Min V _y	-7.46	-0.21	0.15	0.03	-1.74	-0.27	LC 1-4					
		Max V _z	-7.28	-0.14	0.55	0.04	-2.08	-0.31	LC 1-5					
		Min V _z	-7.00	-0.08	-0.63	0.03	-0.18	-0.02	LC 1-4					
		Max M _T	-7.63	-0.15	0.08	0.05	-0.94	-0.17	LC 1-4					
		Min M _T	-6.65	-0.07	-0.16	0.03	-1.32	-0.16	LC 1-5					
		Max M _y	-7.04	-0.06	-0.56	0.04	-0.05	-0.01	LC 1-4					
		Min M _y	-7.24	-0.17	0.47	0.04	-2.20	-0.32	LC 1-5					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
196	RC6		0.128 Right	Max M _z	-7.09	-0.05	-0.56	0.04	-0.07	-0.01	LC 1-5
				Min M _z	-7.19	-0.17	0.48	0.04	-2.18	-0.32	LC 1-4
				Max N	-5.25	-0.09	-0.07	0.04	-1.11	-0.15	LC 1-4
				Min N	-9.03	-0.14	-0.01	0.04	-1.15	-0.18	LC 1-5
				Max V _y	-6.82	-0.01	-0.23	0.04	-0.52	-0.06	LC 1-5
				Min V _y	-7.46	-0.21	0.15	0.03	-1.74	-0.27	LC 1-4
				Max V _z	-7.28	-0.14	0.55	0.04	-2.08	-0.31	LC 1-5
				Min V _z	-7.00	-0.08	-0.63	0.03	-0.18	-0.02	LC 1-4
				Max M _T	-7.63	-0.15	0.08	0.05	-0.94	-0.17	LC 1-4
				Min M _T	-6.65	-0.07	-0.16	0.03	-1.32	-0.16	LC 1-5
				Max M _y	-7.04	-0.06	-0.56	0.04	-0.05	-0.01	LC 1-4
				Min M _y	-7.24	-0.17	0.47	0.04	-2.20	-0.32	LC 1-5
				Max M _z	-7.09	-0.05	-0.56	0.04	-0.07	-0.01	LC 1-5
				Min M _z	-7.19	-0.17	0.48	0.04	-2.18	-0.32	LC 1-4
				Max N	-5.22	0.09	0.85	0.04	-0.65	-0.15	LC 1-4
				Min N	-9.00	0.03	0.92	0.04	-0.63	-0.13	LC 1-5
				Max V _y	-6.79	0.16	0.70	0.04	-0.21	-0.13	LC 1-5
				Min V _y	-7.43	-0.04	1.07	0.03	-1.07	-0.15	LC 1-4
				Max V _z	-7.25	0.03	1.47	0.04	-1.02	-0.25	LC 1-5
				Min V _z	-6.97	0.09	0.30	0.03	-0.26	-0.03	LC 1-4
				Max M _T	-7.60	0.02	1.00	0.05	-0.33	-0.11	LC 1-4
				Min M _T	-6.62	0.10	0.77	0.03	-0.95	-0.17	LC 1-5
				Max M _y	-7.19	0.12	0.54	0.04	-0.00	-0.07	LC 1-5
				Min M _y	-7.03	-0.00	1.23	0.03	-1.28	-0.21	LC 1-4
				Max M _z	-7.20	0.06	0.36	0.04	-0.25	-0.02	LC 1-4
				Min M _z	-7.02	0.06	1.41	0.04	-1.04	-0.26	LC 1-5
		127	1.097 Right	Max N	-5.22	0.09	0.85	0.04	-0.65	-0.15	LC 1-4
				Min N	-9.00	0.03	0.92	0.04	-0.63	-0.13	LC 1-5
				Max V _y	-6.79	0.16	0.70	0.04	-0.21	-0.13	LC 1-5
				Min V _y	-7.43	-0.04	1.07	0.03	-1.07	-0.15	LC 1-4
				Max V _z	-7.25	0.03	1.47	0.04	-1.02	-0.25	LC 1-5
				Min V _z	-6.97	0.09	0.30	0.03	-0.26	-0.03	LC 1-4
				Max M _T	-7.60	0.02	1.00	0.05	-0.33	-0.11	LC 1-4
				Min M _T	-6.62	0.10	0.77	0.03	-0.95	-0.17	LC 1-5
				Max M _y	-7.19	0.12	0.54	0.04	-0.00	-0.07	LC 1-5
				Min M _y	-7.03	-0.00	1.23	0.03	-1.28	-0.21	LC 1-4
				Max M _z	-7.20	0.06	0.36	0.04	-0.25	-0.02	LC 1-4
				Min M _z	-7.02	0.06	1.41	0.04	-1.04	-0.26	LC 1-5
			0.000 Left	Max N	-6.29	-0.15	0.87	-0.02	-0.21	-0.04	CO 9
				Min N	-10.86	-0.59	2.79	-0.01	-1.03	-0.22	CO 8
				Max V _y	-6.41	-0.14	0.88	-0.02	-0.21	-0.04	CO 14
				Min V _y	-10.78	-0.59	2.79	-0.01	-1.03	-0.23	CO 5
				Max V _z	-10.86	-0.59	2.79	-0.01	-1.03	-0.22	CO 8
				Min V _z	-6.29	-0.15	0.87	-0.02	-0.21	-0.04	CO 9
				Max M _T	-10.86	-0.59	2.79	-0.01	-1.03	-0.22	CO 8
				Min M _T	-6.29	-0.15	0.87	-0.02	-0.21	-0.04	CO 9
				Max M _y	-6.33	-0.15	0.87	-0.02	-0.21	-0.04	CO 11
				Min M _y	-10.82	-0.59	2.79	-0.01	-1.03	-0.22	CO 2
				Max M _z	-6.41	-0.14	0.88	-0.02	-0.21	-0.04	CO 14
				Min M _z	-10.78	-0.59	2.79	-0.01	-1.03	-0.23	CO 5
				Max N	-6.29	-0.15	0.87	-0.02	-0.21	-0.04	CO 9
				Min N	-10.86	-0.59	2.79	-0.01	-1.03	-0.22	CO 8
				Max V _y	-6.41	-0.14	0.88	-0.02	-0.21	-0.04	CO 14
				Min V _y	-10.78	-0.59	2.79	-0.01	-1.03	-0.23	CO 5
				Max V _z	-10.86	-0.59	2.79	-0.01	-1.03	-0.22	CO 8
				Min V _z	-6.29	-0.15	0.87	-0.02	-0.21	-0.04	CO 9
				Max M _T	-10.86	-0.59	2.79	-0.01	-1.03	-0.22	CO 8
				Min M _T	-6.29	-0.15	0.87	-0.02	-0.21	-0.04	CO 9
				Max M _y	-6.33	-0.15	0.87	-0.02	-0.21	-0.04	CO 11
				Min M _y	-10.82	-0.59	2.79	-0.01	-1.03	-0.22	CO 2
				Max M _z	-6.41	-0.14	0.88	-0.02	-0.21	-0.04	CO 14
				Min M _z	-10.78	-0.59	2.79	-0.01	-1.03	-0.23	CO 5
		0.128 Left	0.128 Left	Max N	-6.28	-0.15	0.88	-0.02	-0.10	-0.03	CO 9
				Min N	-10.85	-0.58	2.91	-0.01	-0.67	-0.15	CO 8
				Max V _y	-6.40	-0.14	0.89	-0.02	-0.10	-0.02	CO 14
				Min V _y	-10.77	-0.59	2.91	-0.01	-0.67	-0.15	CO 5
				Max V _z	-10.85	-0.58	2.91	-0.01	-0.67	-0.15	CO 8
				Min V _z	-6.28	-0.15	0.88	-0.02	-0.10	-0.03	CO 9
				Max M _T	-10.85	-0.58	2.91	-0.01	-0.67	-0.15	CO 8
				Min M _T	-6.28	-0.15	0.88	-0.02	-0.10	-0.03	CO 9
				Max M _y	-6.40	-0.14	0.89	-0.02	-0.10	-0.02	CO 12
				Min M _y	-10.74	-0.58	2.91	-0.01	-0.67	-0.15	CO 1
				Max M _z	-6.40	-0.14	0.89	-0.02	-0.10	-0.02	CO 14
				Min M _z	-10.77	-0.59	2.91	-0.01	-0.67	-0.15	CO 5
		0.128 Right	0.128 Right	Max N	-6.28	-0.15	0.88	-0.02	-0.10	-0.03	CO 9
				Min N	-10.85	-0.58	2.91	-0.01	-0.67	-0.15	CO 8
				Max V _y	-6.40	-0.14	0.89	-0.02	-0.10	-0.02	CO 14
				Min V _y	-10.77	-0.59	2.91	-0.01	-0.67	-0.15	CO 5
				Max V _z	-10.85	-0.58	2.91	-0.01	-0.67	-0.15	CO 8
				Min V _z	-6.28	-0.15	0.88	-0.02	-0.10	-0.03	CO 9
				Max M _T	-10.85	-0.58	2.91	-0.01	-0.67	-0.15	CO 8
				Min M _T	-6.28	-0.15	0.88	-0.02	-0.10	-0.03	CO 9
				Max M _y	-6.40	-0.14	0.89	-0.02	-0.10	-0.02	CO 12
				Min M _y	-10.74	-0.58	2.91	-0.01	-0.67	-0.15	CO 1
				Max M _z	-6.40	-0.14	0.89	-0.02	-0.10	-0.02	CO 14
				Min M _z	-10.77	-0.59	2.91	-0.01	-0.67	-0.15	CO 5
		1.097 Left	1.097 Left	Max N	-6.24	-0.14	0.96	-0.02	0.80	0.12	CO 9
				Min N	-10.81	-0.68	3.37	-0.01	2.49	0.47	CO 8
				Max V _y	-6.36	-0.14	0.97	-0.02	0.80	0.11	CO 14
				Min V _y	-10.73	-0.68	3.36	-0.01	2.49	0.47	CO 5
				Max V _z	-10.81	-0.68	3.37	-0.01	2.49	0.47	CO 8
				Min V _z	-6.28	-0.14	0.96	-0.02	0.80	0.12	CO 11

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
200	RC1	103	1.097 Right	Max M _T	-10.81	-0.68	3.37	▷	-0.01	2.49	0.47	CO 8	
				Min M _T	-6.24	-0.14	0.96	▷	-0.02	0.80	0.12	CO 9	
				Max M _y	-10.81	-0.68	3.37	▷	-0.01	2.49	0.47	CO 6	
				Min M _y	-6.28	-0.14	0.96	▷	-0.02	0.80	0.12	CO 13	
				Max M _z	-10.73	-0.68	3.36	▷	-0.01	2.49	0.47	CO 5	
				Min M _z	-6.36	-0.14	0.97	▷	-0.02	0.80	0.11	CO 14	
				Max N	-6.24	-0.14	0.96	▷	-0.02	0.80	0.12	CO 9	
				Min N	-10.81	-0.68	3.37	▷	-0.01	2.49	0.47	CO 8	
				Max V _y	-6.36	▷	-0.14	0.97	-0.02	0.80	0.11	CO 14	
				Min V _y	-10.73	▷	-0.68	3.36	-0.01	2.49	0.47	CO 5	
				Max V _z	-10.81	-0.68	▷	3.37	-0.01	2.49	0.47	CO 8	
				Min V _z	-6.28	-0.14	▷	0.96	-0.02	0.80	0.12	CO 11	
				Max M _T	-10.81	-0.68	3.37	▷	-0.01	2.49	0.47	CO 8	
				Min M _T	-6.24	-0.14	0.96	▷	-0.02	0.80	0.12	CO 9	
				Max M _y	-10.81	-0.68	3.37	▷	-0.01	2.49	0.47	CO 6	
				Min M _y	-6.28	-0.14	0.96	▷	-0.02	0.80	0.12	CO 13	
				Max M _z	-10.73	-0.68	3.36	▷	-0.01	2.49	0.47	CO 5	
				Min M _z	-6.36	-0.14	0.97	▷	-0.02	0.80	0.11	CO 14	
	RC2	127	0.000 Left	Max N	-4.48	-0.10	0.60	▷	-0.01	-0.14	-0.03	CO 23	
				Min N	-7.86	-0.43	2.01	▷	-0.00	-0.75	-0.16	CO 22	
				Max V _y	-4.56	▷	-0.10	0.60	-0.01	-0.14	-0.03	CO 28	
				Min V _y	-7.81	▷	-0.43	2.01	-0.00	-0.75	-0.16	CO 19	
				Max V _z	-7.86	-0.43	▷	2.01	-0.00	-0.75	-0.16	CO 22	
				Min V _z	-4.48	-0.10	▷	0.60	-0.01	-0.14	-0.03	CO 23	
				Max M _T	-7.86	-0.43	2.01	▷	-0.00	-0.75	-0.16	CO 22	
				Min M _T	-4.48	-0.10	0.60	▷	-0.01	-0.14	-0.03	CO 23	
				Max M _y	-4.51	-0.10	0.60	▷	-0.01	-0.14	-0.03	CO 25	
				Min M _y	-7.83	-0.43	2.01	▷	-0.00	-0.75	-0.16	CO 16	
				Max M _z	-4.56	-0.10	0.60	▷	-0.01	-0.14	-0.03	CO 28	
				Min M _z	-7.81	-0.43	2.01	▷	-0.00	-0.75	-0.16	CO 19	
				0.000 Right	Max N	-4.48	-0.10	0.60	▷	-0.01	-0.14	-0.03	CO 23
					Min N	-7.86	-0.43	2.01	▷	-0.00	-0.75	-0.16	CO 22
					Max V _y	-4.56	▷	-0.10	0.60	-0.01	-0.14	-0.03	CO 28
					Min V _y	-7.81	▷	-0.43	2.01	-0.00	-0.75	-0.16	CO 19
					Max V _z	-7.86	-0.43	▷	2.01	-0.00	-0.75	-0.16	CO 22
					Min V _z	-4.48	-0.10	▷	0.60	-0.01	-0.14	-0.03	CO 23
					Max M _T	-7.86	-0.43	2.01	▷	-0.00	-0.75	-0.16	CO 22
					Min M _T	-4.48	-0.10	0.60	▷	-0.01	-0.14	-0.03	CO 23
					Max M _y	-4.51	-0.10	0.60	▷	-0.01	-0.14	-0.03	CO 25
					Min M _y	-7.83	-0.43	2.01	▷	-0.00	-0.75	-0.16	CO 16
					Max M _z	-4.56	-0.10	0.60	▷	-0.01	-0.14	-0.03	CO 28
					Min M _z	-7.81	-0.43	2.01	▷	-0.00	-0.75	-0.16	CO 19
				0.128 Left	Max N	-4.47	-0.10	0.60	▷	-0.01	-0.07	-0.02	CO 23
					Min N	-7.85	-0.42	2.10	▷	-0.00	-0.48	-0.11	CO 22
					Max V _y	-4.56	▷	-0.10	0.61	-0.01	-0.07	-0.02	CO 28
					Min V _y	-7.80	▷	-0.43	2.09	-0.00	-0.48	-0.11	CO 19
					Max V _z	-7.85	-0.42	▷	2.10	-0.00	-0.48	-0.11	CO 22
					Min V _z	-4.47	-0.10	▷	0.60	-0.01	-0.07	-0.02	CO 23
					Max M _T	-7.85	-0.42	2.10	▷	-0.00	-0.48	-0.11	CO 22
					Min M _T	-4.47	-0.10	0.60	▷	-0.01	-0.07	-0.02	CO 23
					Max M _y	-4.55	-0.10	0.61	▷	-0.01	-0.06	-0.02	CO 26
					Min M _y	-7.77	-0.42	2.09	▷	-0.00	-0.48	-0.11	CO 15
					Max M _z	-4.56	-0.10	0.61	▷	-0.01	-0.07	-0.02	CO 28
					Min M _z	-7.80	-0.43	2.09	▷	-0.00	-0.48	-0.11	CO 19
			0.128 Right	Max N	-4.47	-0.10	0.60	▷	-0.01	-0.07	-0.02	CO 23	
				Min N	-7.85	-0.42	2.10	▷	-0.00	-0.48	-0.11	CO 22	
				Max V _y	-4.56	▷	-0.10	0.61	-0.01	-0.07	-0.02	CO 28	
				Min V _y	-7.80	▷	-0.43	2.09	-0.00	-0.48	-0.11	CO 19	
				Max V _z	-7.85	-0.42	▷	2.10	-0.00	-0.48	-0.11	CO 22	
				Min V _z	-4.47	-0.10	▷	0.60	-0.01	-0.07	-0.02	CO 23	
				Max M _T	-7.85	-0.42	2.10	▷	-0.00	-0.48	-0.11	CO 22	
				Min M _T	-4.47	-0.10	0.60	▷	-0.01	-0.07	-0.02	CO 23	
				Max M _y	-4.55	-0.10	0.61	▷	-0.01	-0.06	-0.02	CO 26	
				Min M _y	-7.77	-0.42	2.09	▷	-0.00	-0.48	-0.11	CO 15	
				Max M _z	-4.56	-0.10	0.61	▷	-0.01	-0.07	-0.02	CO 28	
				Min M _z	-7.80	-0.43	2.09	▷	-0.00	-0.48	-0.11	CO 19	
			1.097 Left	Max N	-4.44	-0.10	0.66	▷	-0.01	0.55	0.08	CO 23	
				Min N	-7.83	-0.50	2.44	▷	-0.00	1.80	0.34	CO 22	
				Max V _y	-4.53	▷	-0.10	0.67	-0.01	0.55	0.08	CO 28	
				Min V _y	-7.77	▷	-0.50	2.44	-0.00	1.80	0.34	CO 19	
				Max V _z	-7.83	-0.50	▷	2.44	-0.00	1.80	0.34	CO 22	
				Min V _z	-4.47	-0.10	▷	0.66	-0.01	0.55	0.08	CO 25	
				Max M _T	-7.83	-0.50	2.44	▷	-0.00	1.80	0.34	CO 22	
				Min M _T	-4.44	-0.10	0.66	▷	-0.01	0.55	0.08	CO 23	
				Max M _y	-7.82	-0.50	2.44	▷	-0.00	1.80	0.34	CO 20	
				Min M _y	-4.47	-0.10	0.66	▷	-0.01	0.55	0.08	CO 27	
				Max M _z	-7.77	-0.50	2.44	▷	-0.00	1.80	0.34	CO 19	
				Min M _z	-4.53	-0.10	0.67	▷	-0.01	0.55	0.08	CO 28	
			1.097 Right	Max N	-4.44	-0.10	0.66	▷	-0.01	0.55	0.08	CO 23	
				Min N	-7.83	-0.50	2.44	▷	-0.00	1.80	0.34	CO 22	
				Max V _y	-4.53	▷	-0.10	0.67	-0.01	0.55	0.08	CO 28	
				Min V _y	-7.77	▷	-0.50	2.44	-0.00	1.80	0.34	CO 19	
				Max V _z	-7.83	-0.50	▷	2.44	-0.00	1.80	0.34	CO 22	
				Min V _z	-4.47	-0.10	▷	0.66	-0.01	0.55	0.08	CO 25	
				Max M _T	-7.83	-0.50	2.44	▷	-0.00	1.80	0.34	CO 22	
				Min M _T	-4.44	-0.10	0.66	▷	-0.01	0.55	0.08	CO 23	
				Max M _y	-7.82	-0.50	2.44	▷	-0.00	1.80	0.34	CO 20	
				Min M _y	-4.47	-0.10	0.66	▷	-0.01	0.55	0.08	CO 27	
				Max M _z	-7.77	-0.50	2.44	▷	-0.00	1.80	0.34	CO 19	
				Min M _z	-4.53	-0.10	0.67	▷	-0.01	0.55	0.08	CO 28	
	RC6	127	0.000 Left	Max N	-5.18	-0.23	1.72	0.01	-0.70	-0.12	LC 1-4		
				Min N	-9.25	-0.48	1.41	-0.00	-0.51	-0.15	LC 1-5		



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases						
				N	V _y	V _z	M _T	M _y	M _z							
200	RC6			Max V _y	-6.78	0.30	0.63	-0.04	-0.41	0.01	LC 1-4					
				Min V _y	-7.65	-1.00	2.51	0.05	-0.80	-0.27	LC 1-5					
				Max V _z	-6.96	-0.71	3.19	0.06	-1.20	-0.27	LC 1-4					
				Min V _z	-7.47	0.00	-0.05	-0.05	-0.01	0.00	LC 1-5					
				Max M _T	-6.85	-0.82	3.06	0.06	-1.13	-0.28	LC 1-4					
				Min M _T	-7.57	0.12	0.08	-0.05	-0.08	0.02	LC 1-5					
				Max M _y	-7.57	-0.21	0.18	-0.04	0.09	-0.03	LC 1-5					
				Min M _y	-6.86	-0.49	2.96	0.05	-1.30	-0.24	LC 1-4					
				Max M _z	-6.96	0.22	0.17	-0.05	-0.13	0.03	LC 1-4					
				Min M _z	-7.47	-0.92	2.96	0.06	-1.08	-0.29	LC 1-5					
				0.000 Right	Max N	-5.18	-0.23	1.72	0.01	-0.70	-0.12	LC 1-4				
					Min N	-9.25	-0.48	1.41	-0.00	-0.51	-0.15	LC 1-5				
					Max V _y	-6.78	0.30	0.63	-0.04	-0.41	0.01	LC 1-4				
					Min V _y	-7.65	-1.00	2.51	0.05	-0.80	-0.27	LC 1-5				
					Max V _z	-6.96	-0.71	3.19	0.06	-1.20	-0.27	LC 1-4				
					Min V _z	-7.47	0.00	-0.05	-0.05	-0.01	0.00	LC 1-5				
					Max M _T	-6.85	-0.82	3.06	0.06	-1.13	-0.28	LC 1-4				
					Min M _T	-7.57	0.12	0.08	-0.05	-0.08	0.02	LC 1-5				
					Max M _y	-7.57	-0.21	0.18	-0.04	0.09	-0.03	LC 1-5				
					Min M _y	-6.86	-0.49	2.96	0.05	-1.30	-0.24	LC 1-4				
				0.128 Left	Max M _z	-6.96	0.22	0.17	-0.05	-0.13	0.03	LC 1-4				
					Min M _z	-7.47	-0.92	2.96	0.06	-1.08	-0.29	LC 1-5				
					Max N	-5.17	-0.22	1.81	0.01	-0.47	-0.09	LC 1-4				
					Min N	-9.25	-0.47	1.50	-0.00	-0.33	-0.09	LC 1-5				
					Max V _y	-6.78	0.30	0.71	-0.04	-0.32	-0.03	LC 1-4				
					Min V _y	-7.64	-1.00	2.59	0.05	-0.48	-0.15	LC 1-5				
					Max V _z	-6.95	-0.70	3.28	0.06	-0.79	-0.18	LC 1-4				
					Min V _z	-7.47	0.01	0.03	-0.05	-0.01	0.00	LC 1-5				
					Max M _T	-6.85	-0.82	3.14	0.06	-0.74	-0.18	LC 1-4				
					Min M _T	-7.57	0.12	0.17	-0.05	-0.06	-0.00	LC 1-5				
				0.128 Right	Max M _y	-7.60	-0.31	0.46	-0.03	0.13	-0.01	LC 1-5				
					Min M _y	-6.82	-0.39	2.85	0.04	-0.93	-0.17	LC 1-4				
					Max M _z	-7.16	0.02	0.12	-0.05	0.04	0.01	LC 1-4				
					Min M _z	-7.26	-0.71	3.19	0.06	-0.84	-0.19	LC 1-5				
					Max N	-5.17	-0.22	1.81	0.01	-0.47	-0.09	LC 1-4				
					Min N	-9.25	-0.47	1.50	-0.00	-0.33	-0.09	LC 1-5				
					Max V _y	-6.78	0.30	0.71	-0.04	-0.32	-0.03	LC 1-4				
					Min V _y	-7.64	-1.00	2.59	0.05	-0.48	-0.15	LC 1-5				
					Max V _z	-6.95	-0.70	3.28	0.06	-0.79	-0.18	LC 1-4				
					Min V _z	-7.47	0.01	0.03	-0.05	-0.01	0.00	LC 1-5				
				1.097 Left	Max M _T	-6.85	-0.82	3.14	0.06	-0.74	-0.18	LC 1-4				
					Min M _T	-7.57	0.12	0.17	-0.05	-0.06	-0.00	LC 1-5				
					Max M _y	-7.60	-0.31	0.46	-0.03	0.13	-0.01	LC 1-5				
					Min M _y	-6.82	-0.39	2.85	0.04	-0.93	-0.17	LC 1-4				
					Max M _z	-7.16	0.02	0.12	-0.05	0.04	0.01	LC 1-4				
					Min M _z	-7.26	-0.71	3.19	0.06	-0.84	-0.19	LC 1-5				
					Max N	-5.14	-0.30	2.16	0.01	1.53	0.17	LC 1-4				
					Min N	-9.22	-0.55	1.86	-0.00	1.38	0.41	LC 1-5				
					Max V _y	-6.74	0.22	1.07	-0.04	0.62	-0.29	LC 1-4				
					Min V _y	-7.61	-1.08	2.95	0.05	2.29	0.86	LC 1-5				
					Max V _z	-6.92	-0.78	3.63	0.06	2.63	0.54	LC 1-4				
					Min V _z	-7.44	-0.07	0.39	-0.05	0.27	0.03	LC 1-5				
					Max M _T	-6.82	-0.90	3.50	0.06	2.56	0.65	LC 1-4				
					Min M _T	-7.54	0.04	0.52	-0.05	0.35	-0.08	LC 1-5				
					Max M _y	-7.15	-0.87	3.56	0.06	2.69	0.63	LC 1-5				
					Min M _y	-7.20	0.01	0.46	-0.05	0.22	-0.06	LC 1-4				
					Max M _z	-7.65	-1.07	2.80	0.04	2.20	0.86	LC 1-5				
					Min M _z	-6.71	0.22	1.22	-0.03	0.71	-0.29	LC 1-4				
					1.097 Right	Max N	-5.14	-0.30	2.16	0.01	1.53	0.17	LC 1-4			
						Min N	-9.22	-0.55	1.86	-0.00	1.38	0.41	LC 1-5			
						Max V _y	-6.74	0.22	1.07	-0.04	0.62	-0.29	LC 1-4			
						Min V _y	-7.61	-1.08	2.95	0.05	2.29	0.86	LC 1-5			
				Max V _z		-6.92	-0.78	3.63	0.06	2.63	0.54	LC 1-4				
				Min V _z		-7.44	-0.07	0.39	-0.05	0.27	0.03	LC 1-5				
				Max M _T		-6.82	-0.90	3.50	0.06	2.56	0.65	LC 1-4				
				Min M _T		-7.54	0.04	0.52	-0.05	0.35	-0.08	LC 1-5				
				Max M _y		-7.15	-0.87	3.56	0.06	2.69	0.63	LC 1-5				
				Min M _y		-7.20	0.01	0.46	-0.05	0.22	-0.06	LC 1-4				
				202	RC1	131		0.000 Left	Max N	-6.75	0.01	-0.42	0.01	0.00	-0.02	CO 9
									Min N	-10.49	-0.21	-2.94	-0.01	0.09	-0.10	CO 8
Max V _y	-6.87	0.01	-0.42						0.01	-0.00	-0.02	CO 14				
Min V _y	-10.41	-0.21	-2.94						-0.01	0.09	-0.10	CO 5				
Max V _z	-6.87	0.01	-0.42						0.01	-0.00	-0.02	CO 12				
Min V _z	-10.41	-0.21	-2.95						-0.01	0.09	-0.10	CO 7				
Max M _T	-6.79	0.01	-0.42						0.01	0.00	-0.02	CO 13				
Min M _T	-10.49	-0.21	-2.94						-0.01	0.09	-0.10	CO 6				
Max M _y	-10.37	-0.21	-2.95						-0.01	0.09	-0.10	CO 1				
Min M _y	-6.87	0.01	-0.42						0.01	-0.00	-0.02	CO 12				
Max M _z	-6.83	0.01	-0.42						0.01	-0.00	-0.02	CO 10				
Min M _z	-10.41	-0.21	-2.94						-0.01	0.09	-0.10	CO 5				
0.000 Right	Max N	-6.75	0.01					-0.42	0.01	0.00	-0.02	CO 9				
	Min N	-10.49	-0.21					-2.94	-0.01	0.09	-0.10	CO 8				
	Max V _y	-6.87	0.01					-0.42	0.01	-0.00	-0.02	CO 14				
	Min V _y	-10.41	-0.21					-2.94	-0.01	0.09	-0.10	CO 5				
	Max V _z	-6.87	0.01					-0.42	0.01	-0.00	-0.02	CO 12				
	Min V _z	-10.41	-0.21					-2.95	-0.01	0.09	-0.10	CO 7				
	Max M _T	-6.79	0.01					-0.42	0.01	0.00	-0.02	CO 13				
	Min M _T	-10.49	-0.21					-2.94	-0.01	0.09	-0.10	CO 6				
	Max M _y	-10.37	-0.21					-2.95	-0.01	0.09	-0.10	CO 1				
	Min M _y	-6.87	0.01					-0.42	0.01	-0.00	-0.02	CO 12				
	Max M _z	-6.87	0.01					-0.42	0.01	-0.00	-0.02	CO 12				
	Min M _z	-10.41	-0.21					-2.94	-0.01	0.09	-0.10	CO 5				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
202	RC1		0.128 Left	Max M _z	-6.83	0.01	-0.42	0.01	-0.00	▷	-0.02	CO 10
				Min M _z	-10.41	-0.21	-2.94	-0.01	0.09	▷	-0.10	CO 5
				Max N	-6.74	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 9
				Min N	-10.49	-0.11	-2.62	-0.01	-0.27	▷	-0.08	CO 8
				Max V _y	-6.87	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 14
				Min V _y	-10.40	-0.11	-2.62	-0.01	-0.27	▷	-0.08	CO 5
				Max V _z	-6.86	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 12
				Min V _z	-10.41	-0.11	-2.63	-0.01	-0.27	▷	-0.08	CO 7
				Max M _T	-6.79	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 13
				Min M _T	-10.48	-0.11	-2.62	-0.01	-0.27	▷	-0.08	CO 6
				Max M _y	-6.74	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 9
				Min M _y	-10.48	-0.11	-2.62	-0.01	-0.27	▷	-0.08	CO 6
				Max M _z	-6.82	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 10
				Min M _z	-10.40	-0.11	-2.62	-0.01	-0.27	▷	-0.08	CO 5
			Max N	-6.74	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 9	
			Min N	-10.49	-0.11	-2.62	-0.01	-0.27	▷	-0.08	CO 8	
			Max V _y	-6.87	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 14	
			Min V _y	-10.40	-0.11	-2.62	-0.01	-0.27	▷	-0.08	CO 5	
			Max V _z	-6.86	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 12	
			Min V _z	-10.41	-0.11	-2.63	-0.01	-0.27	▷	-0.08	CO 7	
			Max M _T	-6.79	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 13	
			Min M _T	-10.48	-0.11	-2.62	-0.01	-0.27	▷	-0.08	CO 6	
			Max M _y	-6.74	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 9	
			Min M _y	-10.48	-0.11	-2.62	-0.01	-0.27	▷	-0.08	CO 6	
			Max M _z	-6.82	0.01	-0.41	0.01	-0.05	▷	-0.02	CO 10	
			Min M _z	-10.40	-0.11	-2.62	-0.01	-0.27	▷	-0.08	CO 5	
			1.097 Left	Max N	-6.70	0.01	-0.32	0.01	-0.40	-0.03	CO 9	
				Min N	-10.45	0.45	-0.58	-0.01	-1.72	-0.25	CO 8	
				Max V _y	-10.41	0.45	-0.58	-0.01	-1.72	-0.25	CO 2	
				Min V _y	-6.74	0.01	-0.32	0.01	-0.40	-0.03	CO 11	
				Max V _z	-6.82	0.01	-0.32	0.01	-0.41	-0.03	CO 12	
				Min V _z	-10.33	0.45	-0.58	-0.01	-1.72	-0.25	CO 1	
				Max M _T	-6.74	0.01	-0.32	0.01	-0.40	-0.04	CO 13	
				Min M _T	-10.45	0.45	-0.58	-0.01	-1.72	-0.25	CO 6	
				Max M _y	-6.70	0.01	-0.32	0.01	-0.40	-0.03	CO 9	
				Min M _y	-10.45	0.45	-0.58	-0.01	-1.72	-0.25	CO 8	
				Max M _z	-6.74	0.01	-0.32	0.01	-0.40	-0.03	CO 11	
				Min M _z	-10.41	0.45	-0.58	-0.01	-1.72	-0.25	CO 2	
		1.097 Right	Max N	-6.70	0.01	-0.32	0.01	-0.40	-0.03	CO 9		
			Min N	-10.45	0.45	-0.58	-0.01	-1.72	-0.25	CO 8		
			Max V _y	-10.41	0.45	-0.58	-0.01	-1.72	-0.25	CO 2		
			Min V _y	-6.74	0.01	-0.32	0.01	-0.40	-0.03	CO 11		
			Max V _z	-6.82	0.01	-0.32	0.01	-0.41	-0.03	CO 12		
			Min V _z	-10.33	0.45	-0.58	-0.01	-1.72	-0.25	CO 1		
			Max M _T	-6.74	0.01	-0.32	0.01	-0.40	-0.04	CO 13		
			Min M _T	-10.45	0.45	-0.58	-0.01	-1.72	-0.25	CO 6		
			Max M _y	-6.70	0.01	-0.32	0.01	-0.40	-0.03	CO 9		
			Min M _y	-10.45	0.45	-0.58	-0.01	-1.72	-0.25	CO 8		
			Max M _z	-6.74	0.01	-0.32	0.01	-0.40	-0.03	CO 11		
			Min M _z	-10.41	0.45	-0.58	-0.01	-1.72	-0.25	CO 2		
	RC2	131	0.000 Left	Max N	-4.80	0.01	-0.29	0.00	0.00	-0.02	CO 23	
				Min N	-7.56	-0.16	-2.15	-0.01	0.06	-0.08	CO 22	
				Max V _y	-4.88	0.01	-0.29	0.00	-0.00	-0.02	CO 28	
				Min V _y	-7.50	-0.16	-2.15	-0.01	0.06	-0.08	CO 19	
				Max V _z	-4.88	0.01	-0.29	0.00	-0.00	-0.02	CO 26	
				Min V _z	-7.50	-0.16	-2.15	-0.01	0.06	-0.08	CO 21	
				Max M _T	-4.83	0.01	-0.29	0.00	0.00	-0.02	CO 27	
				Min M _T	-7.55	-0.16	-2.15	-0.01	0.06	-0.08	CO 20	
				Max M _y	-7.47	-0.16	-2.15	-0.01	0.06	-0.08	CO 15	
				Min M _y	-4.88	0.01	-0.29	0.00	-0.00	-0.02	CO 26	
0.000 Right	Max M _z	-4.85		0.01	-0.29	0.00	-0.00	-0.02	CO 24			
	Min M _z	-7.50		-0.16	-2.15	-0.01	0.06	-0.08	CO 19			
	Max N	-4.80	0.01	-0.29	0.00	0.00	-0.02	CO 23				
	Min N	-7.56	-0.16	-2.15	-0.01	0.06	-0.08	CO 22				
	Max V _y	-4.88	0.01	-0.29	0.00	-0.00	-0.02	CO 28				
	Min V _y	-7.50	-0.16	-2.15	-0.01	0.06	-0.08	CO 19				
	Max V _z	-4.88	0.01	-0.29	0.00	-0.00	-0.02	CO 26				
	Min V _z	-7.50	-0.16	-2.15	-0.01	0.06	-0.08	CO 21				
	Max M _T	-4.83	0.01	-0.29	0.00	0.00	-0.02	CO 27				
	Min M _T	-7.55	-0.16	-2.15	-0.01	0.06	-0.08	CO 20				
	0.128 Left	Max M _y	-7.47	-0.16	-2.15	-0.01	0.06	-0.08	CO 15			
		Min M _y	-4.88	0.01	-0.29	0.00	-0.00	-0.02	CO 26			
Max M _z		-4.85	0.01	-0.29	0.00	-0.00	-0.02	CO 24				
Min M _z		-7.50	-0.16	-2.15	-0.01	0.06	-0.08	CO 19				
Max N		-4.79	0.01	-0.28	0.00	-0.04	-0.02	CO 23				
Min N		-7.55	-0.09	-1.91	-0.01	-0.20	-0.06	CO 22				
Max V _y		-4.88	0.01	-0.28	0.00	-0.04	-0.02	CO 28				
Min V _y		-7.50	-0.09	-1.91	-0.01	-0.20	-0.06	CO 19				
Max V _z		-4.87	0.01	-0.28	0.00	-0.04	-0.02	CO 26				
Min V _z		-7.50	-0.09	-1.91	-0.01	-0.20	-0.06	CO 21				
Max M _T		-4.82	0.01	-0.28	0.00	-0.04	-0.02	CO 27				
Min M _T		-7.55	-0.09	-1.91	-0.01	-0.20	-0.06	CO 20				
0.128 Right	Max M _y	-4.79	0.01	-0.28	0.00	-0.04	-0.02	CO 23				
	Min M _y	-7.55	-0.09	-1.91	-0.01	-0.20	-0.06	CO 22				
	Max M _z	-4.84	0.01	-0.28	0.00	-0.04	-0.02	CO 24				
	Min M _z	-7.50	-0.09	-1.91	-0.01	-0.20	-0.06	CO 19				
	Max N	-4.79	0.01	-0.28	0.00	-0.04	-0.02	CO 23				
	Min N	-7.55	-0.09	-1.91	-0.01	-0.20	-0.06	CO 22				
	Max V _y	-4.88	0.01	-0.28	0.00	-0.04	-0.02	CO 28				
	Min V _y	-7.50	-0.09	-1.91	-0.01	-0.20	-0.06	CO 19				
	Max V _z	-4.87	0.01	-0.28	0.00	-0.04	-0.02	CO 26				
	Min V _z	-7.50	-0.09	-1.91	-0.01	-0.20	-0.06	CO 21				

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
202	RC2		1.097 Left	Max M _T	-4.82	0.01	-0.28	0.00	-0.04	-0.02	CO 27
				Min M _T	-7.55	-0.09	-1.91	-0.01	-0.20	-0.06	CO 20
				Max M _y	-4.79	0.01	-0.28	0.00	-0.04	-0.02	CO 23
				Min M _y	-7.55	-0.09	-1.91	-0.01	-0.20	-0.06	CO 20
				Max M _z	-4.84	0.01	-0.28	0.00	-0.04	-0.02	CO 24
				Min M _z	-7.50	-0.09	-1.91	-0.01	-0.20	-0.06	CO 19
				Max N	-4.76	0.01	-0.22	0.00	-0.28	-0.02	CO 23
				Min N	-7.52	0.33	-0.40	-0.01	-1.25	-0.18	CO 22
				Max V _y	-7.50	0.33	-0.40	-0.01	-1.25	-0.18	CO 16
				Min V _y	-4.79	0.01	-0.22	0.00	-0.28	-0.02	CO 25
				Max V _z	-4.84	0.01	-0.21	0.00	-0.28	-0.02	CO 26
				Min V _z	-7.44	0.33	-0.41	-0.01	-1.24	-0.18	CO 15
				Max M _T	-4.79	0.01	-0.22	0.00	-0.28	-0.02	CO 27
				Min M _T	-7.52	0.33	-0.40	-0.01	-1.25	-0.18	CO 20
				Max M _y	-4.76	0.01	-0.22	0.00	-0.28	-0.02	CO 23
				Min M _y	-7.52	0.33	-0.40	-0.01	-1.25	-0.18	CO 22
				Max M _z	-4.79	0.01	-0.22	0.00	-0.28	-0.02	CO 25
				Min M _z	-7.50	0.33	-0.40	-0.01	-1.25	-0.18	CO 16
		69	1.097 Right	Max N	-4.76	0.01	-0.22	0.00	-0.28	-0.02	CO 23
				Min N	-7.52	0.33	-0.40	-0.01	-1.25	-0.18	CO 22
				Max V _y	-7.50	0.33	-0.40	-0.01	-1.25	-0.18	CO 16
				Min V _y	-4.79	0.01	-0.22	0.00	-0.28	-0.02	CO 25
				Max V _z	-4.84	0.01	-0.21	0.00	-0.28	-0.02	CO 26
				Min V _z	-7.44	0.33	-0.41	-0.01	-1.24	-0.18	CO 15
				Max M _T	-4.79	0.01	-0.22	0.00	-0.28	-0.02	CO 27
				Min M _T	-7.52	0.33	-0.40	-0.01	-1.25	-0.18	CO 20
				Max M _y	-4.76	0.01	-0.22	0.00	-0.28	-0.02	CO 23
				Min M _y	-7.52	0.33	-0.40	-0.01	-1.25	-0.18	CO 22
				Max M _z	-4.79	0.01	-0.22	0.00	-0.28	-0.02	CO 25
				Min M _z	-7.50	0.33	-0.40	-0.01	-1.25	-0.18	CO 16
	RC6	131	0.000 Left	Max N	-3.59	-0.17	-1.73	-0.01	-0.09	-0.04	LC 1-4
				Min N	-9.77	-0.20	-2.14	-0.01	0.14	-0.12	LC 1-5
				Max V _y	-6.83	-0.02	-2.92	-0.05	0.03	-0.05	LC 1-4
				Min V _y	-6.53	-0.35	-0.95	0.02	0.02	-0.11	LC 1-5
				Max V _z	-6.04	-0.34	-0.92	0.02	-0.01	-0.10	LC 1-5
				Min V _z	-7.32	-0.03	-2.95	-0.04	0.06	-0.05	LC 1-4
				Max M _T	-6.29	-0.35	-0.94	0.02	0.02	-0.11	LC 1-4
				Min M _T	-7.07	-0.02	-2.93	-0.05	0.03	-0.05	LC 1-5
				Max M _y	-7.82	-0.18	-2.12	-0.01	0.22	-0.09	LC 1-4
				Min M _y	-5.55	-0.19	-1.76	-0.01	-0.17	-0.07	LC 1-5
				Max M _z	-4.55	-0.07	-2.37	-0.03	-0.05	-0.02	LC 1-4
				Min M _z	-8.81	-0.30	-1.51	0.01	0.10	-0.13	LC 1-5
			0.000 Right	Max N	-3.59	-0.17	-1.73	-0.01	-0.09	-0.04	LC 1-4
				Min N	-9.77	-0.20	-2.14	-0.01	0.14	-0.12	LC 1-5
				Max V _y	-6.83	-0.02	-2.92	-0.05	0.03	-0.05	LC 1-4
				Min V _y	-6.53	-0.35	-0.95	0.02	0.02	-0.11	LC 1-5
				Max V _z	-6.04	-0.34	-0.92	0.02	-0.01	-0.10	LC 1-5
				Min V _z	-7.32	-0.03	-2.95	-0.04	0.06	-0.05	LC 1-4
				Max M _T	-6.29	-0.35	-0.94	0.02	0.02	-0.11	LC 1-4
				Min M _T	-7.07	-0.02	-2.93	-0.05	0.03	-0.05	LC 1-5
				Max M _y	-7.82	-0.18	-2.12	-0.01	0.22	-0.09	LC 1-4
				Min M _y	-5.55	-0.19	-1.76	-0.01	-0.17	-0.07	LC 1-5
				Max M _z	-4.55	-0.07	-2.37	-0.03	-0.05	-0.02	LC 1-4
				Min M _z	-8.81	-0.30	-1.51	0.01	0.10	-0.13	LC 1-5
			0.128 Left	Max N	-3.59	-0.10	-1.49	-0.01	-0.30	-0.02	LC 1-4
				Min N	-9.77	-0.13	-1.91	-0.01	-0.12	-0.10	LC 1-5
				Max V _y	-6.83	0.05	-2.69	-0.05	-0.33	-0.05	LC 1-4
				Min V _y	-6.53	-0.28	-0.71	0.02	-0.09	-0.07	LC 1-5
				Max V _z	-6.04	-0.27	-0.69	0.02	-0.11	-0.07	LC 1-5
				Min V _z	-7.32	0.04	-2.71	-0.04	-0.31	-0.05	LC 1-4
				Max M _T	-6.29	-0.27	-0.71	0.02	-0.09	-0.07	LC 1-4
				Min M _T	-7.07	0.05	-2.69	-0.05	-0.33	-0.05	LC 1-5
				Max M _y	-7.32	-0.20	-1.25	0.01	0.01	-0.07	LC 1-4
				Min M _y	-6.04	-0.02	-2.15	-0.03	-0.43	-0.05	LC 1-5
				Max M _z	-4.10	-0.04	-1.84	-0.02	-0.32	-0.02	LC 1-4
				Min M _z	-9.26	-0.19	-1.56	0.00	-0.10	-0.10	LC 1-5
		0.128 Right	0.128 Right	Max N	-3.59	-0.10	-1.49	-0.01	-0.30	-0.02	LC 1-4
				Min N	-9.77	-0.13	-1.91	-0.01	-0.12	-0.10	LC 1-5
				Max V _y	-6.83	0.05	-2.69	-0.05	-0.33	-0.05	LC 1-4
				Min V _y	-6.53	-0.28	-0.71	0.02	-0.09	-0.07	LC 1-5
				Max V _z	-6.04	-0.27	-0.69	0.02	-0.11	-0.07	LC 1-5
				Min V _z	-7.32	0.04	-2.71	-0.04	-0.31	-0.05	LC 1-4
				Max M _T	-6.29	-0.27	-0.71	0.02	-0.09	-0.07	LC 1-4
				Min M _T	-7.07	0.05	-2.69	-0.05	-0.33	-0.05	LC 1-5
				Max M _y	-7.32	-0.20	-1.25	0.01	0.01	-0.07	LC 1-4
				Min M _y	-6.04	-0.02	-2.15	-0.03	-0.43	-0.05	LC 1-5
				Max M _z	-4.10	-0.04	-1.84	-0.02	-0.32	-0.02	LC 1-4
				Min M _z	-9.26	-0.19	-1.56	0.00	-0.10	-0.10	LC 1-5
		1.097 Left	1.097 Left	Max N	-3.55	0.33	-0.00	-0.01	-0.95	-0.13	LC 1-4
				Min N	-9.74	0.29	-0.41	-0.01	-1.16	-0.18	LC 1-5
				Max V _y	-6.79	0.47	-1.19	-0.05	-2.13	-0.30	LC 1-4
				Min V _y	-6.50	0.15	0.78	0.02	0.02	-0.01	LC 1-5
				Max V _z	-6.01	0.15	0.81	0.02	0.02	-0.01	LC 1-5
				Min V _z	-7.29	0.47	-1.22	-0.04	-2.13	-0.30	LC 1-4
				Max M _T	-6.26	0.15	0.79	0.02	0.03	-0.01	LC 1-4
				Min M _T	-7.04	0.47	-1.20	-0.05	-2.14	-0.30	LC 1-5
				Max M _y	-6.07	0.15	0.79	0.02	0.04	-0.01	LC 1-4
				Min M _y	-7.23	0.47	-1.21	-0.04	-2.15	-0.30	LC 1-5
				Max M _z	-6.12	0.15	0.80	0.02	0.04	-0.01	LC 1-5
				Min M _z	-7.17	0.47	-1.22	-0.04	-2.15	-0.30	LC 1-4
		69	1.097 Right	Max N	-3.55	0.33	-0.00	-0.01	-0.95	-0.13	LC 1-4
				Min N	-9.74	0.29	-0.41	-0.01	-1.16	-0.18	LC 1-5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding					
				N	V _y	V _z	M _T	M _y	M _z	Load Cases					
202	RC6			Max V _y	-6.79	0.47	-1.19	-0.05	-2.13	-0.30	LC 1-4				
				Min V _y	-6.50	0.15	0.78	0.02	0.02	-0.01	LC 1-5				
				Max V _z	-6.01	0.15	0.81	0.02	0.02	-0.01	LC 1-5				
				Min V _z	-7.29	0.47	-1.22	-0.04	-2.13	-0.30	LC 1-4				
				Max M _T	-6.26	0.15	0.79	0.02	0.03	-0.01	LC 1-4				
				Min M _T	-7.04	0.47	-1.20	-0.05	-2.14	-0.30	LC 1-5				
				Max M _y	-6.07	0.15	0.79	0.02	0.04	-0.01	LC 1-4				
				Min M _y	-7.23	0.47	-1.21	-0.04	-2.15	-0.30	LC 1-5				
				Max M _z	-6.12	0.15	0.80	0.02	0.04	-0.01	LC 1-5				
				Min M _z	-7.17	0.47	-1.22	-0.04	-2.15	-0.30	LC 1-4				
				206	RC1	133	0.000 Left	Max N	-7.12	-0.05	0.09	-0.02	-0.52	0.05	CO 13
								Min N	-11.62	0.20	0.14	-0.03	-1.15	0.19	CO 4
Max V _y	-11.58	0.20	0.14					-0.03	-1.15	0.19	CO 2				
Min V _y	-7.16	-0.05	0.09					-0.02	-0.52	0.05	CO 11				
Max V _z	-11.58	0.20	0.14					-0.03	-1.15	0.19	CO 5				
Min V _z	-7.15	-0.04	0.09					-0.02	-0.52	0.05	CO 14				
Max M _T	-7.12	-0.05	0.09					-0.02	-0.52	0.05	CO 13				
Min M _T	-11.62	0.20	0.14					-0.03	-1.15	0.19	CO 4				
Max M _y	-7.18	-0.05	0.09					-0.02	-0.52	0.05	CO 12				
Min M _y	-11.56	0.20	0.14					-0.03	-1.15	0.19	CO 1				
Max M _z	-11.62	0.20	0.14					-0.03	-1.15	0.19	CO 4				
Min M _z	-7.16	-0.05	0.09					-0.02	-0.52	0.05	CO 11				
0.000 Right	Max N	-7.12	-0.05				0.09	-0.02	-0.52	0.05	CO 13				
	Min N	-11.62	0.20				0.14	-0.03	-1.15	0.19	CO 4				
	Max V _y	-11.58	0.20				0.14	-0.03	-1.15	0.19	CO 2				
	Min V _y	-7.16	-0.05				0.09	-0.02	-0.52	0.05	CO 11				
	Max V _z	-11.58	0.20				0.14	-0.03	-1.15	0.19	CO 5				
	Min V _z	-7.15	-0.04				0.09	-0.02	-0.52	0.05	CO 14				
	Max M _T	-7.12	-0.05				0.09	-0.02	-0.52	0.05	CO 13				
	Min M _T	-11.62	0.20				0.14	-0.03	-1.15	0.19	CO 4				
	Max M _y	-7.18	-0.05				0.09	-0.02	-0.52	0.05	CO 12				
	Min M _y	-11.56	0.20				0.14	-0.03	-1.15	0.19	CO 1				
	Max M _z	-11.62	0.20				0.14	-0.03	-1.15	0.19	CO 4				
	Min M _z	-7.16	-0.05				0.09	-0.02	-0.52	0.05	CO 11				
1.082 Left	Max N	-7.08	-0.04				0.19	-0.02	-0.37	0.10	CO 13				
	Min N	-11.57	-0.09				1.15	-0.03	-0.38	0.15	CO 4				
	Max V _y	-7.10	-0.04				0.19	-0.02	-0.37	0.10	CO 14				
	Min V _y	-11.53	-0.09				1.15	-0.03	-0.38	0.15	CO 5				
	Max V _z	-11.55	-0.09				1.15	-0.03	-0.38	0.15	CO 3				
	Min V _z	-7.10	-0.04				0.19	-0.02	-0.37	0.10	CO 14				
	Max M _T	-7.08	-0.04				0.19	-0.02	-0.37	0.10	CO 13				
	Min M _T	-11.57	-0.09				1.15	-0.03	-0.38	0.15	CO 4				
	Max M _y	-7.13	-0.04				0.19	-0.02	-0.37	0.10	CO 12				
	Min M _y	-11.51	-0.09				1.15	-0.03	-0.39	0.15	CO 1				
	Max M _z	-11.53	-0.09				1.15	-0.03	-0.38	0.15	CO 5				
	Min M _z	-7.10	-0.04				0.19	-0.02	-0.37	0.10	CO 14				
135	1.082 Right	Max N	-7.08				-0.04	0.19	-0.02	-0.37	0.10	CO 13			
		Min N	-11.57				-0.09	1.15	-0.03	-0.38	0.15	CO 4			
		Max V _y	-7.10				-0.04	0.19	-0.02	-0.37	0.10	CO 14			
		Min V _y	-11.53				-0.09	1.15	-0.03	-0.38	0.15	CO 5			
		Max V _z	-11.55				-0.09	1.15	-0.03	-0.38	0.15	CO 3			
		Min V _z	-7.10				-0.04	0.19	-0.02	-0.37	0.10	CO 14			
		Max M _T	-7.08				-0.04	0.19	-0.02	-0.37	0.10	CO 13			
		Min M _T	-11.57				-0.09	1.15	-0.03	-0.38	0.15	CO 4			
		Max M _y	-7.13				-0.04	0.19	-0.02	-0.37	0.10	CO 12			
		Min M _y	-11.51				-0.09	1.15	-0.03	-0.39	0.15	CO 1			
		Max M _z	-11.53				-0.09	1.15	-0.03	-0.38	0.15	CO 5			
		Min M _z	-7.10				-0.04	0.19	-0.02	-0.37	0.10	CO 14			
RC2	133	0.000 Left	Max N				-5.11	-0.03	0.06	-0.01	-0.35	0.03	CO 27		
			Min N				-8.44	0.15	0.10	-0.02	-0.82	0.14	CO 18		
			Max V _y				-8.41	0.15	0.10	-0.02	-0.82	0.14	CO 16		
			Min V _y				-5.14	-0.03	0.06	-0.01	-0.35	0.03	CO 25		
			Max V _z				-8.41	0.15	0.10	-0.02	-0.82	0.14	CO 19		
			Min V _z				-5.13	-0.03	0.06	-0.01	-0.35	0.04	CO 28		
			Max M _T				-5.11	-0.03	0.06	-0.01	-0.35	0.03	CO 27		
			Min M _T				-8.44	0.15	0.10	-0.02	-0.82	0.14	CO 18		
			Max M _y				-5.15	-0.03	0.06	-0.01	-0.35	0.04	CO 26		
			Min M _y				-8.40	0.15	0.10	-0.02	-0.82	0.14	CO 15		
			Max M _z				-8.41	0.15	0.10	-0.02	-0.82	0.14	CO 16		
			Min M _z				-5.14	-0.03	0.06	-0.01	-0.35	0.03	CO 25		
		0.000 Right	Max N				-5.11	-0.03	0.06	-0.01	-0.35	0.03	CO 27		
			Min N				-8.44	0.15	0.10	-0.02	-0.82	0.14	CO 18		
			Max V _y				-8.41	0.15	0.10	-0.02	-0.82	0.14	CO 16		
			Min V _y				-5.14	-0.03	0.06	-0.01	-0.35	0.03	CO 25		
			Max V _z				-8.41	0.15	0.10	-0.02	-0.82	0.14	CO 19		
			Min V _z				-5.13	-0.03	0.06	-0.01	-0.35	0.04	CO 28		
			Max M _T				-5.11	-0.03	0.06	-0.01	-0.35	0.03	CO 27		
			Min M _T				-8.44	0.15	0.10	-0.02	-0.82	0.14	CO 18		
			Max M _y				-5.15	-0.03	0.06	-0.01	-0.35	0.04	CO 26		
			Min M _y				-8.40	0.15	0.10	-0.02	-0.82	0.14	CO 15		
			Max M _z				-8.41	0.15	0.10	-0.02	-0.82	0.14	CO 16		
			Min M _z				-5.14	-0.03	0.06	-0.01	-0.35	0.03	CO 25		
		1.082 Left	Max N				-5.08	-0.03	0.13	-0.01	-0.25	0.07	CO 27		
			Min N				-8.40	-0.07	0.84	-0.02	-0.26	0.11	CO 18		
			Max V _y				-5.09	-0.03	0.13	-0.01	-0.25	0.06	CO 28		
			Min V _y				-8.37	-0.07	0.84	-0.02	-0.26	0.11	CO 19		
			Max V _z				-8.37	-0.07	0.84	-0.02	-0.26	0.11	CO 19		
			Min V _z				-5.09	-0.03	0.13	-0.01	-0.25	0.06	CO 28		
			Max M _T				-5.08	-0.03	0.13	-0.01	-0.25	0.07	CO 27		
			Min M _T				-8.40	-0.07	0.84	-0.02	-0.26	0.11	CO 18		
			Max M _y	-5.12	-0.03	0.13	-0.01	-0.25	0.07	CO 26					
			Min M _y	-8.36	-0.07	0.84	-0.02	-0.26	0.11	CO 15					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
206	RC2	135	1.082 Right	Max M _z	-8.37	-0.07	0.84	-0.02	-0.26	0.11	CO 19
				Min M _z	-5.09	-0.03	0.13	-0.01	-0.25	0.06	CO 28
				Max N	-5.08	-0.03	0.13	-0.01	-0.25	0.07	CO 27
				Min N	-8.40	-0.07	0.84	-0.02	-0.26	0.11	CO 18
				Max V _y	-5.09	-0.03	0.13	-0.01	-0.25	0.06	CO 28
				Min V _y	-8.37	-0.07	0.84	-0.02	-0.26	0.11	CO 19
				Max V _z	-8.37	-0.07	0.84	-0.02	-0.26	0.11	CO 19
				Min V _z	-5.09	-0.03	0.13	-0.01	-0.25	0.06	CO 28
				Max M _T	-5.08	-0.03	0.13	-0.01	-0.25	0.07	CO 27
				Min M _T	-8.40	-0.07	0.84	-0.02	-0.26	0.11	CO 18
				Max M _y	-5.12	-0.03	0.13	-0.01	-0.25	0.07	CO 26
				Min M _y	-8.36	-0.07	0.84	-0.02	-0.26	0.11	CO 15
		133	0.000 Left	Max M _z	-8.37	-0.07	0.84	-0.02	-0.26	0.11	CO 19
				Min M _z	-5.09	-0.03	0.13	-0.01	-0.25	0.06	CO 28
				Max N	-5.89	0.17	-0.11	-0.01	-0.40	0.09	LC 1-5
				Min N	-10.35	0.21	0.23	-0.01	-0.74	0.14	LC 1-4
				Max V _y	-8.76	0.28	0.07	-0.01	-0.61	0.15	LC 1-4
				Min V _y	-7.48	0.10	0.05	-0.01	-0.53	0.08	LC 1-5
				Max V _z	-9.37	0.19	0.36	-0.02	-0.66	0.14	LC 1-5
				Min V _z	-6.86	0.18	-0.23	-0.00	-0.48	0.09	LC 1-4
				Max M _T	-7.40	0.17	-0.19	0.00	-0.61	0.09	LC 1-5
				Min M _T	-8.83	0.20	0.31	-0.02	-0.54	0.14	LC 1-4
				Max M _y	-7.13	0.22	0.01	-0.02	-0.24	0.11	LC 1-5
				Min M _y	-9.11	0.16	0.11	-0.00	-0.90	0.12	LC 1-4
		135	0.000 Right	Max M _z	-9.41	0.26	0.22	-0.02	-0.69	0.16	LC 1-4
				Min M _z	-6.83	0.12	-0.10	-0.00	-0.45	0.07	LC 1-5
				Max N	-5.89	0.17	-0.11	-0.01	-0.40	0.09	LC 1-5
				Min N	-10.35	0.21	0.23	-0.01	-0.74	0.14	LC 1-4
				Max V _y	-8.76	0.28	0.07	-0.01	-0.61	0.15	LC 1-4
				Min V _y	-7.48	0.10	0.05	-0.01	-0.53	0.08	LC 1-5
				Max V _z	-9.37	0.19	0.36	-0.02	-0.66	0.14	LC 1-5
				Min V _z	-6.86	0.18	-0.23	-0.00	-0.48	0.09	LC 1-4
				Max M _T	-7.40	0.17	-0.19	0.00	-0.61	0.09	LC 1-5
				Min M _T	-8.83	0.20	0.31	-0.02	-0.54	0.14	LC 1-4
				Max M _y	-7.13	0.22	0.01	-0.02	-0.24	0.11	LC 1-5
				Min M _y	-9.11	0.16	0.11	-0.00	-0.90	0.12	LC 1-4
	RC6	133	0.000 Left	Max M _z	-9.41	0.26	0.22	-0.02	-0.69	0.16	LC 1-4
				Min M _z	-6.83	0.12	-0.10	-0.00	-0.45	0.07	LC 1-5
				Max N	-5.85	-0.06	0.62	-0.01	-0.08	0.05	LC 1-5
				Min N	-10.31	-0.02	0.96	-0.01	-0.05	0.05	LC 1-4
				Max V _y	-8.72	0.05	0.80	-0.01	-0.09	-0.01	LC 1-4
				Min V _y	-7.44	-0.13	0.78	-0.01	-0.04	0.11	LC 1-5
				Max V _z	-9.33	-0.03	1.08	-0.02	0.17	0.07	LC 1-5
				Min V _z	-6.83	-0.04	0.49	-0.00	-0.29	0.03	LC 1-4
				Max M _T	-7.37	-0.05	0.54	0.00	-0.37	0.04	LC 1-5
				Min M _T	-8.79	-0.03	1.04	-0.02	0.24	0.06	LC 1-4
				Max M _y	-7.75	0.00	0.87	-0.02	0.29	0.02	LC 1-5
				Min M _y	-8.41	-0.08	0.71	-0.00	-0.42	0.08	LC 1-4
		135	1.082 Right	Max M _z	-8.07	-0.12	0.89	-0.01	0.02	0.12	LC 1-5
				Min M _z	-8.09	0.04	0.69	-0.01	-0.14	-0.02	LC 1-4
				Max N	-5.85	-0.06	0.62	-0.01	-0.08	0.05	LC 1-5
				Min N	-10.31	-0.02	0.96	-0.01	-0.05	0.05	LC 1-4
				Max V _y	-8.72	0.05	0.80	-0.01	-0.09	-0.01	LC 1-4
				Min V _y	-7.44	-0.13	0.78	-0.01	-0.04	0.11	LC 1-5
				Max V _z	-9.33	-0.03	1.08	-0.02	0.17	0.07	LC 1-5
				Min V _z	-6.83	-0.04	0.49	-0.00	-0.29	0.03	LC 1-4
				Max M _T	-7.37	-0.05	0.54	0.00	-0.37	0.04	LC 1-5
				Min M _T	-8.79	-0.03	1.04	-0.02	0.24	0.06	LC 1-4
				Max M _y	-7.75	0.00	0.87	-0.02	0.29	0.02	LC 1-5
				Min M _y	-8.41	-0.08	0.71	-0.00	-0.42	0.08	LC 1-4
209	RC1	135	0.000 Left	Max M _z	-8.07	-0.12	0.89	-0.01	0.02	0.12	LC 1-5
				Min M _z	-8.09	0.04	0.69	-0.01	-0.14	-0.02	LC 1-4
				Max N	-6.94	0.21	0.84	0.02	-0.33	0.07	CO 13
				Min N	-11.77	0.43	1.62	-0.03	-0.39	0.15	CO 4
				Max V _y	-11.73	0.43	1.62	-0.03	-0.39	0.15	CO 5
				Min V _y	-6.96	0.20	0.84	0.02	-0.33	0.07	CO 14
				Max V _z	-11.73	0.43	1.62	-0.03	-0.39	0.15	CO 2
				Min V _z	-6.98	0.21	0.84	0.02	-0.33	0.07	CO 11
				Max M _T	-6.98	0.21	0.84	0.02	-0.33	0.07	CO 11
				Min M _T	-11.73	0.43	1.62	-0.03	-0.39	0.15	CO 2
				Max M _y	-7.00	0.21	0.84	0.02	-0.33	0.07	CO 12
				Min M _y	-11.71	0.43	1.62	-0.03	-0.39	0.15	CO 1
		135	0.000 Right	Max M _z	-11.73	0.43	1.62	-0.03	-0.39	0.15	CO 5
				Min M _z	-6.96	0.20	0.84	0.02	-0.33	0.07	CO 14
				Max N	-6.94	0.21	0.84	0.02	-0.33	0.07	CO 13
				Min N	-11.77	0.43	1.62	-0.03	-0.39	0.15	CO 4
				Max V _y	-11.73	0.43	1.62	-0.03	-0.39	0.15	CO 5
				Min V _y	-6.96	0.20	0.84	0.02	-0.33	0.07	CO 14
				Max V _z	-11.73	0.43	1.62	-0.03	-0.39	0.15	CO 2
				Min V _z	-6.98	0.21	0.84	0.02	-0.33	0.07	CO 11
				Max M _T	-6.98	0.21	0.84	0.02	-0.33	0.07	CO 11
				Min M _T	-11.73	0.43	1.62	-0.03	-0.39	0.15	CO 2
				Max M _y	-7.00	0.21	0.84	0.02	-0.33	0.07	CO 12
				Min M _y	-11.71	0.43	1.62	-0.03	-0.39	0.15	CO 1
	RC6	135	1.082 Left	Max M _z	-11.73	0.43	1.62	-0.03	-0.39	0.15	CO 5
				Min M _z	-6.96	0.20	0.84	0.02	-0.33	0.07	CO 14
				Max N	-6.89	0.20	0.94	0.03	0.63	-0.15	CO 13
				Min N	-11.72	0.36	1.87	-0.03	1.57	-0.26	CO 4
				Max V _y	-11.68	0.36	1.87	-0.03	1.57	-0.26	CO 5
				Min V _y	-6.91	0.20	0.94	0.03	0.64	-0.15	CO 14
				Max V _z	-11.68	0.36	1.87	-0.03	1.57	-0.26	CO 2
				Min V _z	-6.93	0.21	0.93	0.03	0.64	-0.15	CO 11



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z				
209	RC1	103	1.082 Right	Max M _T	-6.93	0.21	0.93	▷	0.03	0.64	-0.15	CO 11	
				Min M _T	-11.68	0.36	1.87	▷	-0.03	1.57	-0.26	CO 2	
				Max M _y	-11.70	0.36	1.87	▷	-0.03	1.57	-0.26	CO 6	
				Min M _y	-6.89	0.20	0.94	▷	0.03	0.63	-0.15	CO 13	
				Max M _z	-6.91	0.20	0.94	▷	0.03	0.64	▷	-0.15	CO 14
				Min M _z	-11.68	0.36	1.87	▷	-0.03	1.57	-0.26	CO 5	
				Max N	-6.89	0.20	0.94	▷	0.03	0.63	-0.15	CO 13	
				Min N	-11.72	0.36	1.87	▷	-0.03	1.57	-0.26	CO 4	
				Max V _y	-11.68	0.36	1.87	▷	-0.03	1.57	-0.26	CO 5	
				Min V _y	-6.91	0.20	0.94	▷	0.03	0.64	-0.15	CO 14	
				Max V _z	-11.68	0.36	1.87	▷	-0.03	1.57	-0.26	CO 2	
				Min V _z	-6.93	0.21	0.93	▷	0.03	0.64	-0.15	CO 11	
				Max M _T	-6.93	0.21	0.93	▷	0.03	0.64	-0.15	CO 11	
				Min M _T	-11.68	0.36	1.87	▷	-0.03	1.57	-0.26	CO 2	
				Max M _y	-11.70	0.36	1.87	▷	-0.03	1.57	-0.26	CO 6	
				Min M _y	-6.89	0.20	0.94	▷	0.03	0.63	-0.15	CO 13	
				Max M _z	-6.91	0.20	0.94	▷	0.03	0.64	▷	-0.15	CO 14
				Min M _z	-11.68	0.36	1.87	▷	-0.03	1.57	▷	-0.26	CO 5
	RC2	135	0.000 Left	Max N	-4.99	0.14	0.57	▷	0.02	-0.22	0.05	CO 27	
				Min N	-8.56	0.31	1.14	▷	-0.02	-0.27	0.11	CO 18	
				Max V _y	-8.53	▷	0.31	1.14	-0.02	-0.27	0.11	CO 19	
				Min V _y	-5.00	▷	0.14	0.57	0.02	-0.22	0.05	CO 28	
				Max V _z	-8.53	0.31	▷	1.14	-0.02	-0.27	0.11	CO 16	
				Min V _z	-5.02	0.14	▷	0.57	0.02	-0.22	0.05	CO 25	
				Max M _T	-5.02	0.14	▷	0.57	0.02	-0.22	0.05	CO 25	
				Min M _T	-8.53	0.31	1.14	▷	-0.02	-0.27	0.11	CO 16	
				Max M _y	-5.03	0.14	0.57	▷	0.02	-0.22	0.05	CO 26	
				Min M _y	-8.52	0.31	1.14	▷	-0.02	-0.27	0.11	CO 15	
				Max M _z	-8.53	0.31	1.14	▷	-0.02	-0.27	▷	0.11	CO 19
				Min M _z	-5.00	0.14	0.57	▷	0.02	-0.22	▷	0.05	CO 28
			0.000 Right	Max N	-4.99	0.14	0.57	▷	0.02	-0.22	0.05	CO 27	
				Min N	-8.56	0.31	1.14	▷	-0.02	-0.27	0.11	CO 18	
				Max V _y	-8.53	▷	0.31	1.14	-0.02	-0.27	0.11	CO 19	
				Min V _y	-5.00	▷	0.14	0.57	0.02	-0.22	0.05	CO 28	
				Max V _z	-8.53	0.31	▷	1.14	-0.02	-0.27	0.11	CO 16	
				Min V _z	-5.02	0.14	▷	0.57	0.02	-0.22	0.05	CO 25	
				Max M _T	-5.02	0.14	▷	0.57	0.02	-0.22	0.05	CO 25	
				Min M _T	-8.53	0.31	1.14	▷	-0.02	-0.27	0.11	CO 16	
				Max M _y	-5.03	0.14	0.57	▷	0.02	-0.22	0.05	CO 26	
				Min M _y	-8.52	0.31	1.14	▷	-0.02	-0.27	0.11	CO 15	
				Max M _z	-8.53	0.31	1.14	▷	-0.02	-0.27	▷	0.11	CO 19
				Min M _z	-5.00	0.14	0.57	▷	0.02	-0.22	▷	0.05	CO 28
			1.082 Left	Max N	-4.95	0.14	0.64	▷	0.02	0.43	-0.10	CO 27	
				Min N	-8.52	0.26	1.33	▷	-0.02	1.12	-0.18	CO 18	
				Max V _y	-8.50	▷	0.26	1.33	-0.02	1.12	-0.18	CO 19	
				Min V _y	-4.97	▷	0.14	0.64	0.02	0.44	-0.10	CO 28	
				Max V _z	-8.50	0.26	▷	1.33	-0.02	1.12	-0.18	CO 16	
				Min V _z	-4.98	0.14	▷	0.64	0.02	0.44	-0.10	CO 25	
				Max M _T	-4.98	0.14	▷	0.64	0.02	0.44	-0.10	CO 25	
				Min M _T	-8.50	0.26	1.33	▷	-0.02	1.12	-0.18	CO 16	
				Max M _y	-8.51	0.26	1.33	▷	-0.02	1.12	-0.18	CO 20	
				Min M _y	-4.95	0.14	0.64	▷	0.02	0.43	-0.10	CO 27	
				Max M _z	-4.97	0.14	0.64	▷	0.02	0.44	▷	-0.10	CO 28
				Min M _z	-8.50	0.26	1.33	▷	-0.02	1.12	▷	-0.18	CO 19
			1.082 Right	Max N	-4.95	0.14	0.64	▷	0.02	0.43	-0.10	CO 27	
				Min N	-8.52	0.26	1.33	▷	-0.02	1.12	-0.18	CO 18	
				Max V _y	-8.50	▷	0.26	1.33	-0.02	1.12	-0.18	CO 19	
				Min V _y	-4.97	▷	0.14	0.64	0.02	0.44	-0.10	CO 28	
				Max V _z	-8.50	0.26	▷	1.33	-0.02	1.12	-0.18	CO 16	
				Min V _z	-4.98	0.14	▷	0.64	0.02	0.44	-0.10	CO 25	
				Max M _T	-4.98	0.14	▷	0.64	0.02	0.44	-0.10	CO 25	
				Min M _T	-8.50	0.26	1.33	▷	-0.02	1.12	-0.18	CO 16	
				Max M _y	-8.51	0.26	1.33	▷	-0.02	1.12	-0.18	CO 20	
				Min M _y	-4.95	0.14	0.64	▷	0.02	0.43	-0.10	CO 27	
				Max M _z	-4.97	0.14	0.64	▷	0.02	0.44	▷	-0.10	CO 28
				Min M _z	-8.50	0.26	1.33	▷	-0.02	1.12	▷	-0.18	CO 19
	RC6	135		0.000 Left	Max N	-6.08	0.07	0.47	▷	-0.03	-0.14	0.04	LC 1-5
					Min N	-10.59	0.34	0.94	▷	-0.04	-0.04	0.09	LC 1-4
					Max V _y	-8.96	▷	0.72	0.61	-0.05	0.06	0.14	LC 1-5
					Min V _y	-7.71	▷	-0.31	0.80	-0.02	-0.24	-0.01	LC 1-4
					Max V _z	-9.51	0.09	▷	1.14	-0.04	-0.01	0.05	LC 1-4
					Min V _z	-7.16	0.32	▷	0.27	-0.03	-0.16	0.09	LC 1-5
			Max M _T		-8.10	-0.11	0.65	▷	-0.01	-0.25	0.02	LC 1-5	
			Min M _T		-8.57	0.52	0.76	▷	-0.06	0.08	0.11	LC 1-4	
			Max M _y		-7.68	0.26	0.76	▷	-0.04	0.28	0.05	LC 1-5	
			Min M _y		-8.99	0.15	0.65	▷	-0.03	-0.46	0.08	LC 1-4	
			0.000 Right	Max M _z	-9.09	0.71	0.60	▷	-0.05	0.02	▷	0.15	LC 1-5
				Min M _z	-7.58	-0.30	0.80	▷	-0.02	-0.20	▷	-0.01	LC 1-4
				Max N	-6.08	0.07	0.47	▷	-0.03	-0.14	0.04	LC 1-5	
				Min N	-10.59	0.34	0.94	▷	-0.04	-0.04	0.09	LC 1-4	
				Max V _y	-8.96	▷	0.72	0.61	-0.05	0.06	0.14	LC 1-5	
				Min V _y	-7.71	▷	-0.31	0.80	-0.02	-0.24	-0.01	LC 1-4	
				Max V _z	-9.51	0.09	▷	1.14	-0.04	-0.01	0.05	LC 1-4	
				Min V _z	-7.16	0.32	▷	0.27	-0.03	-0.16	0.09	LC 1-5	
				Max M _T	-8.10	-0.11	0.65	▷	-0.01	-0.25	0.02	LC 1-5	
				Min M _T	-8.57	0.52	0.76	▷	-0.06	0.08	0.11	LC 1-4	
			1.082 Left	Max M _y	-7.68	0.26	0.76	▷	-0.04	0.28	0.05	LC 1-5	
				Min M _y	-8.99	0.15	0.65	▷	-0.03	-0.46	0.08	LC 1-4	
				Max M _z	-9.09	0.71	0.60	▷	-0.05	0.02	▷	0.15	LC 1-5
				Min M _z	-7.58	-0.30	0.80	▷	-0.02	-0.20	▷	-0.01	LC 1-4
				Max N	-6.04	0.02	0.67	▷	-0.03	0.53	0.01	LC 1-5	
				Min N	-10.56	0.30	1.14	▷	-0.04	1.13	-0.23	LC 1-4	

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases			
				N	V _y	V _z	M _T	M _y	M _z						
209	RC6	103	1.082 Right	Max V _y	-8.92	0.68	0.81	-0.05	0.88	-0.60	LC 1-5				
				Min V _y	-7.68	-0.36	1.00	-0.02	0.78	0.37	LC 1-4				
				Max V _z	-9.47	0.05	1.34	-0.04	1.37	-0.01	LC 1-4				
				Min V _z	-7.13	0.27	0.47	-0.03	0.29	-0.22	LC 1-5				
				Max M _T	-8.07	-0.15	0.85	-0.01	0.61	0.18	LC 1-5				
				Min M _T	-8.53	0.48	0.96	-0.06	1.05	-0.41	LC 1-4				
				Max M _y	-9.33	0.25	1.27	-0.04	1.48	-0.21	LC 1-5				
				Min M _y	-7.27	0.07	0.54	-0.03	0.18	-0.02	LC 1-4				
				Max M _z	-7.70	-0.36	1.00	-0.02	0.77	0.37	LC 1-4				
				Min M _z	-8.90	0.68	0.81	-0.05	0.89	-0.60	LC 1-5				
				Max N	-6.04	0.02	0.67	-0.03	0.53	0.01	LC 1-5				
				Min N	-10.56	0.30	1.14	-0.04	1.13	-0.23	LC 1-4				
				Max V _y	-8.92	0.68	0.81	-0.05	0.88	-0.60	LC 1-5				
				Min V _y	-7.68	-0.36	1.00	-0.02	0.78	0.37	LC 1-4				
				Max V _z	-9.47	0.05	1.34	-0.04	1.37	-0.01	LC 1-4				
				Min V _z	-7.13	0.27	0.47	-0.03	0.29	-0.22	LC 1-5				
				Max M _T	-8.07	-0.15	0.85	-0.01	0.61	0.18	LC 1-5				
				Min M _T	-8.53	0.48	0.96	-0.06	1.05	-0.41	LC 1-4				
				212	RC1	137	0.000 Left	Max N	-7.40	-0.06	-0.47	-0.01	-0.05	-0.02	CO 13
								Min N	-11.21	0.13	-1.66	0.01	-0.29	0.00	CO 4
Max V _y	-11.20	0.13	-1.66					0.01	-0.29	0.00	CO 6				
Min V _y	-7.40	-0.06	-0.47					-0.01	-0.05	-0.02	CO 13				
Max V _z	-7.45	-0.06	-0.47					-0.01	-0.05	-0.02	CO 9				
Min V _z	-11.18	0.13	-1.66					0.01	-0.29	0.00	CO 2				
Max M _T	-11.16	0.13	-1.66					0.01	-0.29	0.00	CO 1				
Min M _T	-7.46	-0.06	-0.47					-0.01	-0.05	-0.02	CO 12				
Max M _y	-7.42	-0.06	-0.47					-0.01	-0.05	-0.02	CO 14				
Min M _y	-11.19	0.13	-1.66					0.01	-0.29	0.00	CO 3				
Max M _z	-11.21	0.13	-1.66					0.01	-0.29	0.00	CO 4				
Min M _z	-7.40	-0.06	-0.47					-0.01	-0.05	-0.02	CO 13				
0.000 Right	Max N	-7.40	-0.06				-0.47	-0.01	-0.05	-0.02	CO 13				
	Min N	-11.21	0.13				-1.66	0.01	-0.29	0.00	CO 4				
	Max V _y	-11.20	0.13				-1.66	0.01	-0.29	0.00	CO 6				
	Min V _y	-7.40	-0.06				-0.47	-0.01	-0.05	-0.02	CO 13				
	Max V _z	-7.45	-0.06				-0.47	-0.01	-0.05	-0.02	CO 9				
	Min V _z	-11.18	0.13				-1.66	0.01	-0.29	0.00	CO 2				
	Max M _T	-11.16	0.13				-1.66	0.01	-0.29	0.00	CO 1				
	Min M _T	-7.46	-0.06				-0.47	-0.01	-0.05	-0.02	CO 12				
	Max M _y	-7.42	-0.06				-0.47	-0.01	-0.05	-0.02	CO 14				
	Min M _y	-11.19	0.13				-1.66	0.01	-0.29	0.00	CO 3				
	Max M _z	-11.21	0.13				-1.66	0.01	-0.29	0.00	CO 4				
	Min M _z	-7.40	-0.06				-0.47	-0.01	-0.05	-0.02	CO 13				
1.082 Left	Max N	-7.35	-0.06				-0.37	-0.01	-0.50	0.05	CO 13				
	Min N	-11.17	-0.41				0.05	0.01	-1.10	0.18	CO 4				
	Max V _y	-7.41	-0.06				-0.37	-0.01	-0.50	0.05	CO 12				
	Min V _y	-11.11	-0.42				0.05	0.01	-1.10	0.18	CO 1				
	Max V _z	-11.15	-0.42				0.06	0.01	-1.10	0.18	CO 3				
	Min V _z	-7.37	-0.06				-0.37	-0.01	-0.50	0.05	CO 14				
	Max M _T	-11.11	-0.42				0.05	0.01	-1.10	0.18	CO 1				
	Min M _T	-7.41	-0.06				-0.37	-0.01	-0.50	0.05	CO 12				
	Max M _y	-7.41	-0.06				-0.37	-0.01	-0.50	0.05	CO 12				
	Min M _y	-11.11	-0.42				0.05	0.01	-1.10	0.18	CO 1				
	Max M _z	-11.13	-0.41				0.05	0.01	-1.10	0.18	CO 2				
	Min M _z	-7.39	-0.06				-0.37	-0.01	-0.50	0.05	CO 11				
133	1.082 Right	Max N	-7.35			-0.06	-0.37	-0.01	-0.50	0.05	CO 13				
		Min N	-11.17			-0.41	0.05	0.01	-1.10	0.18	CO 4				
		Max V _y	-7.41			-0.06	-0.37	-0.01	-0.50	0.05	CO 12				
		Min V _y	-11.11			-0.42	0.05	0.01	-1.10	0.18	CO 1				
		Max V _z	-11.15			-0.42	0.06	0.01	-1.10	0.18	CO 3				
		Min V _z	-7.37			-0.06	-0.37	-0.01	-0.50	0.05	CO 14				
		Max M _T	-11.11			-0.42	0.05	0.01	-1.10	0.18	CO 1				
		Min M _T	-7.41			-0.06	-0.37	-0.01	-0.50	0.05	CO 12				
		Max M _y	-7.41			-0.06	-0.37	-0.01	-0.50	0.05	CO 12				
		Min M _y	-11.11			-0.42	0.05	0.01	-1.10	0.18	CO 1				
		Max M _z	-11.13			-0.41	0.05	0.01	-1.10	0.18	CO 2				
		Min M _z	-7.39			-0.06	-0.37	-0.01	-0.50	0.05	CO 11				
RC2	137	0.000 Left	Max N		-5.30	-0.04	-0.32	-0.00	-0.04	-0.01	CO 27				
			Min N		-8.12	0.10	-1.20	0.01	-0.22	0.01	CO 18				
			Max V _y		-8.11	0.10	-1.20	0.01	-0.22	0.01	CO 20				
			Min V _y		-5.30	-0.04	-0.32	-0.00	-0.04	-0.01	CO 27				
			Max V _z		-5.34	-0.04	-0.32	-0.00	-0.04	-0.01	CO 23				
			Min V _z		-8.08	0.10	-1.20	0.01	-0.22	0.01	CO 22				
			Max M _T		-8.08	0.10	-1.20	0.01	-0.22	0.01	CO 15				
			Min M _T		-5.34	-0.04	-0.32	-0.00	-0.03	-0.01	CO 26				
			Max M _y		-5.32	-0.04	-0.32	-0.00	-0.03	-0.01	CO 28				
			Min M _y		-8.11	0.10	-1.20	0.01	-0.22	0.01	CO 17				
			Max M _z		-8.12	0.10	-1.20	0.01	-0.22	0.01	CO 18				
			Min M _z		-5.30	-0.04	-0.32	-0.00	-0.04	-0.01	CO 27				
	0.000 Right	Max N	-5.30		-0.04	-0.32	-0.00	-0.04	-0.01	CO 27					
		Min N	-8.12		0.10	-1.20	0.01	-0.22	0.01	CO 18					
		Max V _y	-8.11		0.10	-1.20	0.01	-0.22	0.01	CO 20					
		Min V _y	-5.30		-0.04	-0.32	-0.00	-0.04	-0.01	CO 27					
		Max V _z	-5.34		-0.04	-0.32	-0.00	-0.04	-0.01	CO 23					
		Min V _z	-8.08		0.10	-1.20	0.01	-0.22	0.01	CO 22					
		Max M _T	-8.08		0.10	-1.20	0.01	-0.22	0.01	CO 15					
		Min M _T	-5.34		-0.04	-0.32	-0.00	-0.03	-0.01	CO 26					
		Max M _y	-5.32		-0.04	-0.32	-0.00	-0.03	-0.01	CO 28					
		Min M _y	-8.11		0.10	-1.20	0.01	-0.22	0.01	CO 17					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
212	RC2	133	1.082 Left	Max M _z	-8.12	0.10	-1.20	0.01	-0.22	0.01	CO 18
				Min M _z	-5.30	-0.04	-0.32	-0.00	-0.04	-0.01	CO 27
				Max N	-5.27	-0.04	-0.25	-0.00	-0.34	0.03	CO 27
				Min N	-8.09	-0.30	0.07	0.01	-0.79	0.13	CO 18
				Max V _y	-5.31	-0.04	-0.25	-0.00	-0.34	0.03	CO 26
				Min V _y	-8.05	-0.30	0.07	0.01	-0.79	0.13	CO 15
				Max V _z	-8.07	-0.30	0.07	0.01	-0.79	0.13	CO 17
				Min V _z	-5.28	-0.04	-0.25	-0.00	-0.34	0.03	CO 28
				Max M _T	-8.05	-0.30	0.07	0.01	-0.79	0.13	CO 15
				Min M _T	-5.31	-0.04	-0.25	-0.00	-0.34	0.03	CO 26
				Max M _y	-5.31	-0.04	-0.25	-0.00	-0.34	0.03	CO 26
				Min M _y	-8.05	-0.30	0.07	0.01	-0.79	0.13	CO 15
				Max M _z	-8.06	-0.30	0.07	0.01	-0.79	0.13	CO 16
				Min M _z	-5.29	-0.04	-0.25	-0.00	-0.34	0.03	CO 25
			1.082 Right	Max N	-5.27	-0.04	-0.25	-0.00	-0.34	0.03	CO 27
				Min N	-8.09	-0.30	0.07	0.01	-0.79	0.13	CO 18
				Max V _y	-5.31	-0.04	-0.25	-0.00	-0.34	0.03	CO 26
				Min V _y	-8.05	-0.30	0.07	0.01	-0.79	0.13	CO 15
				Max V _z	-8.07	-0.30	0.07	0.01	-0.79	0.13	CO 17
				Min V _z	-5.28	-0.04	-0.25	-0.00	-0.34	0.03	CO 28
				Max M _T	-8.05	-0.30	0.07	0.01	-0.79	0.13	CO 15
				Min M _T	-5.31	-0.04	-0.25	-0.00	-0.34	0.03	CO 26
				Max M _y	-5.31	-0.04	-0.25	-0.00	-0.34	0.03	CO 26
				Min M _y	-8.05	-0.30	0.07	0.01	-0.79	0.13	CO 15
				Max M _z	-8.06	-0.30	0.07	0.01	-0.79	0.13	CO 16
				Min M _z	-5.29	-0.04	-0.25	-0.00	-0.34	0.03	CO 25
	RC6	137	0.000 Left	Max N	-5.29	0.15	-0.98	0.01	-0.11	0.00	LC 1-5
				Min N	-10.05	0.16	-0.97	0.01	-0.32	0.06	LC 1-4
				Max V _y	-7.83	0.22	-0.87	-0.00	-0.04	0.08	LC 1-5
				Min V _y	-7.51	0.08	-1.08	0.02	-0.39	-0.02	LC 1-4
				Max V _z	-7.67	0.19	-0.82	0.00	-0.23	0.06	LC 1-5
				Min V _z	-7.67	0.11	-1.13	0.02	-0.21	0.01	LC 1-4
				Max M _T	-7.37	0.08	-1.08	0.02	-0.39	-0.03	LC 1-4
				Min M _T	-7.96	0.22	-0.88	-0.00	-0.05	0.09	LC 1-5
				Max M _y	-7.15	0.20	-0.95	0.00	0.02	0.07	LC 1-5
				Min M _y	-8.19	0.10	-1.01	0.02	-0.46	-0.01	LC 1-4
				Max M _z	-8.30	0.21	-0.90	-0.00	-0.07	0.09	LC 1-5
				Min M _z	-7.03	0.09	-1.06	0.02	-0.37	-0.03	LC 1-4
			0.000 Right	Max N	-5.29	0.15	-0.98	0.01	-0.11	0.00	LC 1-5
				Min N	-10.05	0.16	-0.97	0.01	-0.32	0.06	LC 1-4
				Max V _y	-7.83	0.22	-0.87	-0.00	-0.04	0.08	LC 1-5
				Min V _y	-7.51	0.08	-1.08	0.02	-0.39	-0.02	LC 1-4
				Max V _z	-7.67	0.19	-0.82	0.00	-0.23	0.06	LC 1-5
				Min V _z	-7.67	0.11	-1.13	0.02	-0.21	0.01	LC 1-4
				Max M _T	-7.37	0.08	-1.08	0.02	-0.39	-0.03	LC 1-4
				Min M _T	-7.96	0.22	-0.88	-0.00	-0.05	0.09	LC 1-5
				Max M _y	-7.15	0.20	-0.95	0.00	0.02	0.07	LC 1-5
				Min M _y	-8.19	0.10	-1.01	0.02	-0.46	-0.01	LC 1-4
				Max M _z	-8.30	0.21	-0.90	-0.00	-0.07	0.09	LC 1-5
				Min M _z	-7.03	0.09	-1.06	0.02	-0.37	-0.03	LC 1-4
		133	1.082 Right	Max N	-5.25	-0.26	0.27	0.01	-0.45	0.09	LC 1-5
				Min N	-10.01	-0.25	0.28	0.01	-0.65	0.12	LC 1-4
				Max V _y	-7.79	-0.19	0.38	-0.00	-0.26	0.08	LC 1-5
				Min V _y	-7.47	-0.33	0.17	0.02	-0.84	0.13	LC 1-4
				Max V _z	-7.63	-0.22	0.43	0.00	-0.39	0.08	LC 1-5
				Min V _z	-7.63	-0.30	0.13	0.02	-0.70	0.13	LC 1-4
				Max M _T	-7.33	-0.33	0.18	0.02	-0.83	0.12	LC 1-4
				Min M _T	-7.93	-0.19	0.38	-0.00	-0.27	0.09	LC 1-5
				Max M _y	-7.27	-0.19	0.37	-0.00	-0.23	0.08	LC 1-5
				Min M _y	-7.99	-0.32	0.18	0.02	-0.86	0.13	LC 1-4
				Max M _z	-9.08	-0.29	0.18	0.02	-0.78	0.14	LC 1-4
				Min M _z	-6.18	-0.23	0.37	0.01	-0.32	0.07	LC 1-5
231	RC1	149	0.000 Left	Max N	-6.34	0.01	-0.05	-0.04	-0.72	0.06	CO 9
				Min N	-6.56	-0.40	-0.90	-0.09	-3.44	0.23	CO 8
				Max V _y	-6.37	0.01	-0.05	-0.04	-0.72	0.06	CO 13
				Min V _y	-6.52	-0.40	-0.90	-0.09	-3.44	0.23	CO 6
				Max V _z	-6.34	0.01	-0.05	-0.04	-0.72	0.06	CO 11
				Min V _z	-6.55	-0.40	-0.90	-0.09	-3.44	0.23	CO 2
				Max M _T	-6.38	0.01	-0.05	-0.04	-0.72	0.06	CO 14
				Min M _T	-6.51	-0.40	-0.90	-0.09	-3.44	0.23	CO 3
				Max M _y	-6.35	0.01	-0.05	-0.04	-0.72	0.06	CO 12
				Min M _y	-6.54	-0.40	-0.90	-0.09	-3.44	0.23	CO 1
				Max M _z	-6.54	-0.40	-0.90	-0.09	-3.44	0.23	CO 1
				Min M _z	-6.35	0.01	-0.05	-0.04	-0.72	0.06	CO 12
		0.000 Right		Max N	-6.34	0.01	-0.05	-0.04	-0.72	0.06	CO 9
				Min N	-6.56	-0.40	-0.90	-0.09	-3.44	0.23	CO 8
				Max V _y	-6.37	0.01	-0.05	-0.04	-0.72	0.06	CO 13
				Min V _y	-6.52	-0.40	-0.90	-0.09	-3.44	0.23	CO 6
				Max V _z	-6.34	0.01	-0.05	-0.04	-0.72	0.06	CO 11
				Min V _z	-6.55	-0.40	-0.90	-0.09	-3.44	0.23	CO 2



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases				
					N	V _y	V _z	M _T	M _y	M _z					
231	RC1	153	1.284	Left	0.105										
					Max M _T	-6.38	0.01	-0.05	▷	-0.04	-0.72	0.06	CO 14		
					Min M _T	-6.51	-0.40	-0.90	▷	-0.09	-3.44	0.23	CO 3		
					Max M _y	-6.35	0.01	-0.05	▷	-0.04	-0.72	0.06	CO 12		
					Min M _y	-6.54	-0.40	-0.90	▷	-0.09	-3.44	0.23	CO 1		
					Max M _z	-6.54	-0.40	-0.90	▷	-0.09	-3.44	0.23	CO 1		
					Min M _z	-6.35	0.01	-0.05	▷	-0.04	-0.72	0.06	CO 12		
					0.105										
					Max N	-6.33	0.01	-0.04	▷	-0.04	-0.73	0.06	CO 9		
					Min N	-6.55	-0.34	-0.69	▷	-0.09	-3.52	0.26	CO 8		
					Max V _y	-6.37	▷	0.01	▷	-0.04	-0.73	0.06	CO 13		
					Min V _y	-6.52	▷	-0.34	▷	-0.09	-3.52	0.26	CO 6		
					Max V _z	-6.33	▷	0.01	▷	-0.04	-0.72	0.06	CO 11		
					Min V _z	-6.55	▷	-0.34	▷	-0.09	-3.52	0.26	CO 2		
					0.105										
					Max M _T	-6.38	0.01	-0.04	▷	-0.04	-0.72	0.06	CO 14		
					Min M _T	-6.50	-0.34	-0.69	▷	-0.09	-3.52	0.26	CO 3		
					Max M _y	-6.35	0.01	-0.04	▷	-0.04	-0.72	0.06	CO 12		
					Min M _y	-6.54	-0.34	-0.69	▷	-0.09	-3.52	0.26	CO 1		
					Max M _z	-6.54	-0.34	-0.69	▷	-0.09	-3.52	0.26	CO 1		
					Min M _z	-6.35	0.01	-0.04	▷	-0.04	-0.72	0.06	CO 12		
					0.737										
					Max N	-6.33	0.01	-0.04	▷	-0.04	-0.73	0.06	CO 9		
					Min N	-6.55	-0.34	-0.69	▷	-0.09	-3.52	0.26	CO 8		
					Max V _y	-6.37	▷	0.01	▷	-0.04	-0.73	0.06	CO 13		
					Min V _y	-6.52	▷	-0.34	▷	-0.09	-3.52	0.26	CO 6		
					Max V _z	-6.33	▷	0.01	▷	-0.04	-0.72	0.06	CO 11		
					Min V _z	-6.55	▷	-0.34	▷	-0.09	-3.52	0.26	CO 2		
					0.737										
					Max M _T	-6.38	0.01	-0.04	▷	-0.04	-0.72	0.06	CO 14		
					Min M _T	-6.50	-0.34	-0.69	▷	-0.09	-3.52	0.26	CO 3		
					Max M _y	-6.35	0.01	-0.04	▷	-0.04	-0.72	0.06	CO 12		
					Min M _y	-6.54	-0.34	-0.69	▷	-0.09	-3.52	0.26	CO 1		
					Max M _z	-6.54	-0.34	-0.69	▷	-0.09	-3.52	0.26	CO 1		
					Min M _z	-6.35	0.01	-0.04	▷	-0.04	-0.72	0.06	CO 12		
					0.737										
					Max N	-6.31	0.01	0.03	▷	-0.04	-0.73	0.05	CO 9		
					Min N	-6.53	0.08	0.82	▷	-0.09	-3.48	0.33	CO 8		
					Max V _y	-6.51	0.08	0.82	▷	-0.09	-3.48	0.33	CO 1		
					Min V _y	-6.32	▷	0.01	▷	-0.04	-0.73	0.05	CO 12		
					Max V _z	-6.51	0.08	0.82	▷	-0.09	-3.48	0.33	CO 7		
					Min V _z	-6.32	▷	0.01	▷	-0.04	-0.73	0.05	CO 10		
					Max M _T	-6.36	0.01	0.02	▷	-0.04	-0.73	0.05	CO 14		
					Min M _T	-6.48	0.08	0.82	▷	-0.09	-3.48	0.34	CO 3		
					Max M _y	-6.32	0.01	0.02	▷	-0.04	-0.73	0.05	CO 12		
					Min M _y	-6.51	0.08	0.82	▷	-0.09	-3.48	0.33	CO 1		
					Max M _z	-6.48	0.08	0.82	▷	-0.09	-3.48	0.34	CO 5		
					Min M _z	-6.36	0.01	0.02	▷	-0.04	-0.73	0.05	CO 14		
					0.737										
					Max N	-6.31	0.01	0.03	▷	-0.04	-0.73	0.05	CO 9		
					Min N	-6.53	0.08	0.82	▷	-0.09	-3.48	0.33	CO 8		
					Max V _y	-6.51	0.08	0.82	▷	-0.09	-3.48	0.33	CO 1		
					Min V _y	-6.32	▷	0.01	▷	-0.04	-0.73	0.05	CO 12		
					Max V _z	-6.51	0.08	0.82	▷	-0.09	-3.48	0.33	CO 7		
					Min V _z	-6.32	▷	0.01	▷	-0.04	-0.73	0.05	CO 10		
					Max M _T	-6.36	0.01	0.02	▷	-0.04	-0.73	0.05	CO 14		
					Min M _T	-6.48	0.08	0.82	▷	-0.09	-3.48	0.34	CO 3		
					Max M _y	-6.32	0.01	0.02	▷	-0.04	-0.73	0.05	CO 12		
					Min M _y	-6.51	0.08	0.82	▷	-0.09	-3.48	0.33	CO 1		
					Max M _z	-6.48	0.08	0.82	▷	-0.09	-3.48	0.34	CO 5		
					Min M _z	-6.36	0.01	0.02	▷	-0.04	-0.73	0.05	CO 14		
					1.284										
					Max N	-6.29	0.01	0.08	▷	-0.04	-0.70	0.04	CO 9		
					Min N	-6.50	0.37	1.87	▷	-0.10	-2.72	0.19	CO 8		
					Max V _y	-6.48	▷	0.37	▷	-0.10	-2.73	0.19	CO 1		
					Min V _y	-6.30	▷	0.01	▷	-0.04	-0.70	0.04	CO 12		
					Max V _z	-6.48	0.37	1.87	▷	-0.10	-2.73	0.19	CO 7		
					Min V _z	-6.30	▷	0.01	▷	-0.04	-0.70	0.04	CO 10		
					Max M _T	-6.34	0.01	0.08	▷	-0.04	-0.70	0.04	CO 14		
					Min M _T	-6.45	0.37	1.87	▷	-0.10	-2.72	0.19	CO 3		
					Max M _y	-6.30	0.01	0.08	▷	-0.04	-0.70	0.04	CO 12		
					Min M _y	-6.48	0.37	1.87	▷	-0.10	-2.73	0.19	CO 1		
					Max M _z	-6.46	0.37	1.87	▷	-0.10	-2.72	0.20	CO 6		
					Min M _z	-6.32	0.02	0.08	▷	-0.04	-0.70	0.04	CO 13		
					1.284										
					Max N	-6.29	0.01	0.08	▷	-0.04	-0.70	0.04	CO 9		
					Min N	-6.50	0.37	1.87	▷	-0.10	-2.72	0.19	CO 8		
					Max V _y	-6.48	▷	0.37	▷	-0.10	-2.73	0.19	CO 1		
Min V _y	-6.30	▷	0.01	▷	-0.04	-0.70	0.04	CO 12							
Max V _z	-6.48	0.37	1.87	▷	-0.10	-2.73	0.19	CO 7							
Min V _z	-6.30	▷	0.01	▷	-0.04	-0.70	0.04	CO 10							
Max M _T	-6.34	0.01	0.08	▷	-0.04	-0.70	0.04	CO 14							
Min M _T	-6.45	0.37	1.87	▷	-0.10	-2.72	0.19	CO 3							
Max M _y	-6.30	0.01	0.08	▷	-0.04	-0.70	0.04	CO 12							
Min M _y	-6.48	0.37	1.87	▷	-0.10	-2.73	0.19	CO 1							
Max M _z	-6.46	0.37	1.87	▷	-0.10	-2.72	0.20	CO 6							
Min M _z	-6.32	0.02	0.08	▷	-0.04	-0.70	0.04	CO 13							
RC2	149	0.000	Left												
										</					

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
231	RC2				Max V _y	-4.74	0.01	-0.03	-0.02	-0.49	0.04	CO 27	
					Min V _y	-4.87	-0.30	-0.66	-0.06	-2.50	0.16	CO 20	
					Max V _z	-4.72	0.01	-0.03	-0.02	-0.49	0.04	CO 25	
					Min V _z	-4.89	-0.30	-0.66	-0.06	-2.50	0.16	CO 16	
					Max M _T	-4.75	0.01	-0.04	-0.02	-0.49	0.04	CO 28	
					Min M _T	-4.88	-0.29	-0.66	-0.06	-2.50	0.16	CO 15	
					Max M _y	-4.73	0.01	-0.04	-0.02	-0.49	0.04	CO 26	
					Min M _y	-4.88	-0.29	-0.66	-0.06	-2.50	0.16	CO 15	
					Max M _z	-4.88	-0.29	-0.66	-0.06	-2.50	0.16	CO 15	
					Min M _z	-4.73	0.01	-0.04	-0.02	-0.49	0.04	CO 26	
					0.105 Left	Max N	-4.71	0.01	-0.03	-0.02	-0.49	0.04	CO 23
						Min N	-4.89	-0.25	-0.51	-0.06	-2.56	0.19	CO 22
						Max V _y	-4.74	0.01	-0.03	-0.02	-0.49	0.04	CO 27
						Min V _y	-4.86	-0.25	-0.51	-0.06	-2.56	0.19	CO 20
						Max V _z	-4.72	0.01	-0.03	-0.02	-0.49	0.04	CO 25
						Min V _z	-4.89	-0.25	-0.51	-0.06	-2.56	0.19	CO 16
						Max M _T	-4.75	0.01	-0.03	-0.02	-0.49	0.04	CO 28
						Min M _T	-4.88	-0.25	-0.51	-0.06	-2.56	0.19	CO 15
						Max M _y	-4.72	0.01	-0.03	-0.02	-0.49	0.04	CO 26
						Min M _y	-4.88	-0.25	-0.51	-0.06	-2.56	0.19	CO 15
					0.105 Right	Max M _z	-4.88	-0.25	-0.51	-0.06	-2.56	0.19	CO 15
						Min M _z	-4.72	0.01	-0.03	-0.02	-0.49	0.04	CO 26
						Max N	-4.71	0.01	-0.03	-0.02	-0.49	0.04	CO 23
						Min N	-4.89	-0.25	-0.51	-0.06	-2.56	0.19	CO 22
						Max V _y	-4.74	0.01	-0.03	-0.02	-0.49	0.04	CO 27
						Min V _y	-4.86	-0.25	-0.51	-0.06	-2.56	0.19	CO 20
						Max V _z	-4.72	0.01	-0.03	-0.02	-0.49	0.04	CO 25
						Min V _z	-4.89	-0.25	-0.51	-0.06	-2.56	0.19	CO 16
						Max M _T	-4.75	0.01	-0.03	-0.02	-0.49	0.04	CO 28
						Min M _T	-4.88	-0.25	-0.51	-0.06	-2.56	0.19	CO 15
					0.737 Left	Max M _y	-4.72	0.01	-0.03	-0.02	-0.49	0.04	CO 26
						Min M _y	-4.88	-0.25	-0.51	-0.06	-2.56	0.19	CO 15
						Max M _z	-4.88	-0.25	-0.51	-0.06	-2.56	0.19	CO 15
						Min M _z	-4.72	0.01	-0.03	-0.02	-0.49	0.04	CO 26
						Max N	-4.70	0.01	0.02	-0.02	-0.50	0.03	CO 23
						Min N	-4.87	0.06	0.60	-0.07	-2.53	0.24	CO 22
						Max V _y	-4.86	0.06	0.60	-0.07	-2.53	0.24	CO 15
						Min V _y	-4.71	0.01	0.02	-0.02	-0.50	0.03	CO 26
						Max V _z	-4.86	0.06	0.60	-0.07	-2.53	0.24	CO 21
						Min V _z	-4.71	0.01	0.02	-0.02	-0.50	0.03	CO 24
					0.737 Right	Max M _T	-4.73	0.01	0.02	-0.02	-0.50	0.03	CO 28
						Min M _T	-4.84	0.06	0.60	-0.07	-2.53	0.24	CO 19
						Max M _y	-4.71	0.01	0.02	-0.02	-0.50	0.03	CO 26
						Min M _y	-4.86	0.06	0.60	-0.07	-2.53	0.24	CO 15
						Max M _z	-4.84	0.06	0.60	-0.07	-2.53	0.24	CO 19
						Min M _z	-4.73	0.01	0.02	-0.02	-0.50	0.03	CO 28
						Max N	-4.70	0.01	0.02	-0.02	-0.50	0.03	CO 23
						Min N	-4.87	0.06	0.60	-0.07	-2.53	0.24	CO 22
						Max V _y	-4.86	0.06	0.60	-0.07	-2.53	0.24	CO 15
						Min V _y	-4.71	0.01	0.02	-0.02	-0.50	0.03	CO 26
					1.284 Left	Max V _z	-4.86	0.06	0.60	-0.07	-2.53	0.24	CO 21
						Min V _z	-4.71	0.01	0.02	-0.02	-0.50	0.03	CO 24
						Max M _T	-4.73	0.01	0.02	-0.02	-0.50	0.03	CO 28
						Min M _T	-4.84	0.06	0.60	-0.07	-2.53	0.24	CO 19
						Max M _y	-4.71	0.01	0.02	-0.02	-0.50	0.03	CO 26
						Min M _y	-4.86	0.06	0.60	-0.07	-2.53	0.24	CO 15
						Max M _z	-4.84	0.06	0.60	-0.07	-2.53	0.24	CO 19
						Min M _z	-4.73	0.01	0.02	-0.02	-0.50	0.03	CO 28
						Max N	-4.68	0.01	0.06	-0.03	-0.48	0.03	CO 23
						Min N	-4.85	0.27	1.38	-0.07	-1.97	0.14	CO 22
					1.284 Right	Max V _y	-4.84	0.27	1.38	-0.07	-1.97	0.14	CO 15
						Min V _y	-4.69	0.01	0.06	-0.02	-0.47	0.03	CO 26
						Max V _z	-4.84	0.27	1.38	-0.07	-1.97	0.14	CO 21
						Min V _z	-4.69	0.01	0.06	-0.02	-0.47	0.03	CO 24
						Max M _T	-4.72	0.01	0.06	-0.02	-0.48	0.03	CO 28
						Min M _T	-4.81	0.27	1.38	-0.07	-1.97	0.14	CO 19
						Max M _y	-4.69	0.01	0.06	-0.02	-0.47	0.03	CO 26
						Min M _y	-4.84	0.27	1.38	-0.07	-1.97	0.14	CO 15
						Max M _z	-4.82	0.27	1.38	-0.07	-1.97	0.14	CO 20
						Min M _z	-4.71	0.01	0.06	-0.03	-0.48	0.03	CO 27
RC6	149	0.000 Left		Max N	-2.02	-0.29	-0.65	-0.04	-2.18	0.13	LC 1-5		
				Min N	-11.20	-0.30	-0.63	-0.04	-2.06	0.11	LC 1-4		
				Max V _y	-5.98	-0.22	-0.79	-0.04	-1.61	0.09	LC 1-4		
				Min V _y	-7.24	-0.37	-0.50	-0.04	-2.62	0.15	LC 1-5		
				Max V _z	-6.25	-0.31	-0.23	-0.04	-3.34	0.23	LC 1-5		
				Min V _z	-6.97	-0.28	-1.06	-0.05	-0.89	0.01	LC 1-4		
				Max M _T	-7.58	-0.29	-0.36	-0.04	-2.87	0.19	LC 1-5		
				Min M _T	-5.64	-0.30	-0.93	-0.05	-1.36	0.05	LC 1-4		
				Max M _y	-7.22	-0.27	-1.05	-0.05	-0.87	0.01	LC 1-5		
				Min M _y	-6.00	-0.32	-0.24	-0.04	-3.36	0.23	LC 1-4		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
231	RC6		0.000 Right	Max M _z	-6.10	-0.31	-0.24	-0.04	-3.34	0.23	LC 1-4
				Min M _z	-7.12	-0.28	-1.05	-0.05	-0.89	0.01	LC 1-5
				Max N	-2.02	-0.29	-0.65	-0.04	-2.18	0.13	LC 1-5
				Min N	-11.20	-0.30	-0.63	-0.04	-2.06	0.11	LC 1-4
				Max V _y	-5.98	-0.22	-0.79	-0.04	-1.61	0.09	LC 1-4
				Min V _y	-7.24	-0.37	-0.50	-0.04	-2.62	0.15	LC 1-5
				Max V _z	-6.25	-0.31	-0.23	-0.04	-3.34	0.23	LC 1-5
				Min V _z	-6.97	-0.28	-1.06	-0.05	-0.89	0.01	LC 1-4
				Max M _T	-7.58	-0.29	-0.36	-0.04	-2.87	0.19	LC 1-5
				Min M _T	-5.64	-0.30	-0.93	-0.05	-1.36	0.05	LC 1-4
				Max M _y	-7.22	-0.27	-1.05	-0.05	-0.87	0.01	LC 1-5
				Min M _y	-6.00	-0.32	-0.24	-0.04	-3.36	0.23	LC 1-4
				Max M _z	-6.10	-0.31	-0.24	-0.04	-3.34	0.23	LC 1-4
				Min M _z	-7.12	-0.28	-1.05	-0.05	-0.89	0.01	LC 1-5
				Max N	-2.02	-0.25	-0.50	-0.04	-2.24	0.15	LC 1-5
				Min N	-11.19	-0.26	-0.48	-0.04	-2.11	0.14	LC 1-4
				Max V _y	-5.98	-0.18	-0.63	-0.04	-1.69	0.11	LC 1-4
				Min V _y	-7.24	-0.33	-0.35	-0.04	-2.67	0.19	LC 1-5
				Max V _z	-6.25	-0.27	-0.08	-0.04	-3.36	0.26	LC 1-5
				Min V _z	-6.97	-0.24	-0.90	-0.05	-0.99	0.04	LC 1-4
				Max M _T	-7.57	-0.25	-0.21	-0.04	-2.90	0.21	LC 1-5
				Min M _T	-5.64	-0.26	-0.78	-0.05	-1.46	0.08	LC 1-4
				Max M _y	-7.22	-0.23	-0.90	-0.05	-0.97	0.04	LC 1-5
				Min M _y	-5.99	-0.28	-0.09	-0.04	-3.38	0.26	LC 1-4
				Max M _z	-6.14	-0.27	-0.09	-0.04	-3.36	0.26	LC 1-4
				Min M _z	-7.07	-0.24	-0.90	-0.05	-0.99	0.04	LC 1-5
				Max N	-2.02	-0.25	-0.50	-0.04	-2.24	0.15	LC 1-5
				Min N	-11.19	-0.26	-0.48	-0.04	-2.11	0.14	LC 1-4
				Max V _y	-5.98	-0.18	-0.63	-0.04	-1.69	0.11	LC 1-4
				Min V _y	-7.24	-0.33	-0.35	-0.04	-2.67	0.19	LC 1-5
				Max V _z	-6.25	-0.27	-0.08	-0.04	-3.36	0.26	LC 1-5
				Min V _z	-6.97	-0.24	-0.90	-0.05	-0.99	0.04	LC 1-4
				Max M _T	-7.57	-0.25	-0.21	-0.04	-2.90	0.21	LC 1-5
				Min M _T	-5.64	-0.26	-0.78	-0.05	-1.46	0.08	LC 1-4
				Max M _y	-7.22	-0.23	-0.90	-0.05	-0.97	0.04	LC 1-5
				Min M _y	-5.99	-0.28	-0.09	-0.04	-3.38	0.26	LC 1-4
				Max M _z	-6.14	-0.27	-0.09	-0.04	-3.36	0.26	LC 1-4
				Min M _z	-7.07	-0.24	-0.90	-0.05	-0.99	0.04	LC 1-5
				Max N	-2.00	0.06	0.59	-0.04	-2.21	0.21	LC 1-5
				Min N	-11.18	0.04	0.61	-0.04	-2.08	0.21	LC 1-4
				Max V _y	-5.96	0.12	0.46	-0.04	-1.74	0.13	LC 1-4
				Min V _y	-7.22	-0.02	0.74	-0.04	-2.54	0.30	LC 1-5
				Max V _z	-6.23	0.03	1.01	-0.04	-3.07	0.33	LC 1-5
				Min V _z	-6.95	0.07	0.19	-0.05	-1.22	0.09	LC 1-4
				Max M _T	-7.55	0.05	0.88	-0.04	-2.69	0.28	LC 1-5
				Min M _T	-5.62	0.05	0.31	-0.05	-1.60	0.15	LC 1-4
				Max M _y	-7.27	0.07	0.20	-0.05	-1.19	0.09	LC 1-5
				Min M _y	-5.91	0.02	1.00	-0.04	-3.09	0.34	LC 1-4
				Max M _z	-6.70	-0.00	0.97	-0.04	-3.04	0.35	LC 1-5
				Min M _z	-6.47	0.10	0.22	-0.05	-1.25	0.08	LC 1-4
				Max N	-2.00	0.06	0.59	-0.04	-2.21	0.21	LC 1-5
				Min N	-11.18	0.04	0.61	-0.04	-2.08	0.21	LC 1-4
				Max V _y	-5.96	0.12	0.46	-0.04	-1.74	0.13	LC 1-4
				Min V _y	-7.22	-0.02	0.74	-0.04	-2.54	0.30	LC 1-5
				Max V _z	-6.23	0.03	1.01	-0.04	-3.07	0.33	LC 1-5
				Min V _z	-6.95	0.07	0.19	-0.05	-1.22	0.09	LC 1-4
				Max M _T	-7.55	0.05	0.88	-0.04	-2.69	0.28	LC 1-5
				Min M _T	-5.62	0.05	0.31	-0.05	-1.60	0.15	LC 1-4
				Max M _y	-7.27	0.07	0.20	-0.05	-1.19	0.09	LC 1-5
				Min M _y	-5.91	0.02	1.00	-0.04	-3.09	0.34	LC 1-4
				Max M _z	-6.70	-0.00	0.97	-0.04	-3.04	0.35	LC 1-5
				Min M _z	-6.47	0.10	0.22	-0.05	-1.25	0.08	LC 1-4
				Max N	-1.99	0.27	1.35	-0.04	-1.66	0.12	LC 1-5
				Min N	-11.16	0.25	1.37	-0.04	-1.52	0.13	LC 1-4
				Max V _y	-5.94	0.33	1.22	-0.04	-1.27	-0.00	LC 1-4
				Min V _y	-7.20	0.18	1.50	-0.04	-1.92	0.25	LC 1-5
				Max V _z	-6.21	0.24	1.77	-0.04	-2.29	0.25	LC 1-5
				Min V _z	-6.93	0.28	0.95	-0.05	-0.89	-0.00	LC 1-4
				Max M _T	-7.54	0.26	1.64	-0.04	-1.98	0.19	LC 1-5
				Min M _T	-5.61	0.26	1.07	-0.05	-1.21	0.06	LC 1-4
				Max M _y	-7.33	0.29	0.97	-0.05	-0.86	-0.01	LC 1-5
				Min M _y	-5.81	0.23	1.75	-0.04	-2.32	0.26	LC 1-4
				Max M _z	-6.90	0.20	1.70	-0.04	-2.24	0.29	LC 1-5
				Min M _z	-6.25	0.32	1.02	-0.05	-0.95	-0.04	LC 1-4
				Max N	-1.99	0.27	1.35	-0.04	-1.66	0.12	LC 1-5
				Min N	-11.16	0.25	1.37	-0.04	-1.52	0.13	LC 1-4
				Max V _y	-5.94	0.33	1.22	-0.04	-1.27	-0.00	LC 1-4
				Min V _y	-7.20	0.18	1.50	-0.04	-1.92	0.25	LC 1-5
				Max V _z	-6.21	0.24	1.77	-0.04	-2.29	0.25	LC 1-5
				Min V _z	-6.93	0.28	0.95	-0.05	-0.89	-0.00	LC 1-4
				Max M _T	-7.54	0.26	1.64	-0.04	-1.98	0.19	LC 1-5
				Min M _T	-5.61	0.26	1.07	-0.05	-1.21	0.06	LC 1-4
				Max M _y	-7.33	0.29	0.97	-0.05	-0.86	-0.01	LC 1-5
				Min M _y	-5.81	0.23	1.75	-0.04	-2.32	0.26	LC 1-4
				Max M _z	-6.90	0.20	1.70	-0.04	-2.24	0.29	LC 1-5
				Min M _z	-6.25	0.32	1.02	-0.05	-0.95	-0.04	LC 1-4
234	RC1	151	0.000 Left	Max N	-6.54	-0.02	-0.67	-0.01	0.10	0.02	CO 9
				Min N	-7.75	-0.43	-3.89	0.03	0.48	-0.04	CO 8
				Max V _y	-6.56	-0.02	-0.67	-0.01	0.10	0.02	CO 12
				Min V _y	-7.73	-0.43	-3.89	0.03	0.48	-0.04	CO 1
				Max V _z	-6.58	-0.02	-0.67	-0.01	0.10	0.02	CO 13
				Min V _z	-7.75	-0.43	-3.89	0.03	0.48	-0.04	CO 8



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
234	RC1			0.000 Right	Max M _T	-7.75	-0.43	-3.89	0.03	0.48	-0.04	CO 8
					Min M _T	-6.54	-0.02	-0.67	-0.01	0.10	0.02	CO 9
					Max M _y	-7.72	-0.43	-3.89	0.03	0.48	-0.04	CO 6
					Min M _y	-6.58	-0.02	-0.67	-0.01	0.10	0.02	CO 13
					Max M _z	-6.56	-0.02	-0.67	-0.01	0.10	0.02	CO 10
					Min M _z	-7.74	-0.43	-3.89	0.03	0.48	-0.04	CO 7
					Max N	-6.54	-0.02	-0.67	-0.01	0.10	0.02	CO 9
					Min N	-7.75	-0.43	-3.89	0.03	0.48	-0.04	CO 8
					Max V _y	-6.56	-0.02	-0.67	-0.01	0.10	0.02	CO 12
					Min V _y	-7.73	-0.43	-3.89	0.03	0.48	-0.04	CO 1
					Max V _z	-6.58	-0.02	-0.67	-0.01	0.10	0.02	CO 13
					Min V _z	-7.75	-0.43	-3.89	0.03	0.48	-0.04	CO 8
					Max M _T	-7.75	-0.43	-3.89	0.03	0.48	-0.04	CO 8
					Min M _T	-6.54	-0.02	-0.67	-0.01	0.10	0.02	CO 9
					Max M _y	-7.72	-0.43	-3.89	0.03	0.48	-0.04	CO 6
					Min M _y	-6.58	-0.02	-0.67	-0.01	0.10	0.02	CO 13
					Max M _z	-6.56	-0.02	-0.67	-0.01	0.10	0.02	CO 10
					Min M _z	-7.74	-0.43	-3.89	0.03	0.48	-0.04	CO 7
					Max N	-6.54	-0.02	-0.66	-0.01	0.03	0.02	CO 9
					Min N	-7.75	-0.39	-3.76	0.03	0.08	0.01	CO 8
					Max V _y	-6.56	-0.02	-0.66	-0.01	0.03	0.02	CO 12
					Min V _y	-7.73	-0.40	-3.76	0.03	0.07	0.01	CO 1
					Max V _z	-6.57	-0.02	-0.66	-0.01	0.03	0.02	CO 13
					Min V _z	-7.75	-0.39	-3.76	0.03	0.08	0.01	CO 8
					Max M _T	-7.75	-0.39	-3.76	0.03	0.08	0.01	CO 8
					Min M _T	-6.54	-0.02	-0.66	-0.01	0.03	0.02	CO 9
					Max M _y	-7.72	-0.39	-3.76	0.03	0.08	0.01	CO 6
					Min M _y	-6.57	-0.02	-0.66	-0.01	0.03	0.02	CO 13
					Max M _z	-6.56	-0.02	-0.66	-0.01	0.03	0.02	CO 10
					Min M _z	-7.73	-0.40	-3.76	0.03	0.07	0.01	CO 7
					Max N	-6.54	-0.02	-0.66	-0.01	0.03	0.02	CO 9
					Min N	-7.75	-0.39	-3.76	0.03	0.08	0.01	CO 8
					Max V _y	-6.56	-0.02	-0.66	-0.01	0.03	0.02	CO 12
					Min V _y	-7.73	-0.40	-3.76	0.03	0.07	0.01	CO 1
					Max V _z	-6.57	-0.02	-0.66	-0.01	0.03	0.02	CO 13
					Min V _z	-7.75	-0.39	-3.76	0.03	0.08	0.01	CO 8
					Max M _T	-7.75	-0.39	-3.76	0.03	0.08	0.01	CO 8
					Min M _T	-6.54	-0.02	-0.66	-0.01	0.03	0.02	CO 9
					Max M _y	-7.72	-0.39	-3.76	0.03	0.08	0.01	CO 6
					Min M _y	-6.57	-0.02	-0.66	-0.01	0.03	0.02	CO 13
					Max M _z	-6.56	-0.02	-0.66	-0.01	0.03	0.02	CO 10
					Min M _z	-7.73	-0.40	-3.76	0.03	0.07	0.01	CO 7
					Max N	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9
					Min N	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8
					Max V _y	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6
					Min V _y	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13
					Max V _z	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13
					Min V _z	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6
					Max M _T	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8
					Min M _T	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9
					Max M _y	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12
					Min M _y	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1
					Max M _z	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1
					Min M _z	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12
					Max N	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9
					Min N	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8
					Max V _y	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6
					Min V _y	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13
					Max V _z	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13
					Min V _z	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6
					Max M _T	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8
					Min M _T	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9
					Max M _y	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12
					Min M _y	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1
					Max M _z	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1
					Min M _z	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12
	Max N	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9				
	Min N	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8				
	Max V _y	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6				
	Min V _y	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13				
	Max V _z	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13				
	Min V _z	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6				
	Max M _T	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8				
	Min M _T	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9				
	Max M _y	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12				
	Min M _y	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1				
	Max M _z	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1				
	Min M _z	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12				
	Max N	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9				
	Min N	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8				
	Max V _y	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6				
	Min V _y	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13				
	Max V _z	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13				
	Min V _z	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6				
	Max M _T	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8				
	Min M _T	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9				
	Max M _y	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12				
	Min M _y	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1				
	Max M _z	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1				
	Min M _z	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12				
	Max N	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9				
	Min N	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8				
Max V _y	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Min V _y	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Max V _z	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Min V _z	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Max M _T	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8					
Min M _T	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9					
Max M _y	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12					
Min M _y	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1					
Max M _z	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1					
Min M _z	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12					
Max N	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9					
Min N	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8					
Max V _y	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Min V _y	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Max V _z	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Min V _z	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Max M _T	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8					
Min M _T	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9					
Max M _y	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12					
Min M _y	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1					
Max M _z	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1					
Min M _z	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12					
Max N	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9					
Min N	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8					
Max V _y	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Min V _y	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Max V _z	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Min V _z	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Max M _T	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8					
Min M _T	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9					
Max M _y	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12					
Min M _y	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1					
Max M _z	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1					
Min M _z	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12					
Max N	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9					
Min N	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8					
Max V _y	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Min V _y	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Max V _z	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Min V _z	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Max M _T	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8					
Min M _T	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9					
Max M _y	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12					
Min M _y	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1					
Max M _z	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1					
Min M _z	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12					
Max N	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9					
Min N	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8					
Max V _y	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Min V _y	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Max V _z	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Min V _z	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Max M _T	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8					
Min M _T	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9					
Max M _y	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12					
Min M _y	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1					
Max M _z	-7.71	0.12	-1.87	0.03	-3.26	0.17	CO 1					
Min M _z	-6.51	-0.01	-0.55	-0.01	-0.69	0.04	CO 12					
Max N	-6.50	-0.01	-0.55	-0.01	-0.69	0.04	CO 9					
Min N	-7.73	0.13	-1.87	0.03	-3.25	0.17	CO 8					
Max V _y	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Min V _y	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Max V _z	-6.53	-0.01	-0.55	-0.01	-0.69	0.04	CO 13					
Min V _z	-7.70	0.13	-1.87	0.03	-3.25	0.17	CO 6					
Max M _T	-7.73	0.13	-									



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding							
				N	V _y	V _z	M _T	M _y	M _z	Load Cases								
234	RC2		0.105 Right	Max V _y	-4.87	▷	-0.01	-0.46	-0.01	0.02	0.02	CO 26						
				Min V _y	-5.75	▷	-0.29	-2.74	0.02	0.05	0.01	CO 15						
				Max V _z	-4.88		-0.01	▷	-0.45	-0.01	0.02	CO 27						
				Min V _z	-5.74		-0.29	▷	-2.74	0.02	0.06	CO 20						
				Max M _T	-5.77		-0.29		-2.74	▷	0.02	0.05	CO 22					
				Min M _T	-4.86		-0.01		-0.45	▷	-0.01	0.02	CO 23					
				Max M _y	-5.74		-0.29		-2.74	0.02	▷	0.06	CO 20					
				Min M _y	-4.88		-0.01		-0.45	-0.01	▷	0.02	CO 27					
				Max M _z	-4.87		-0.01		-0.46	-0.01		0.02	▷	CO 24				
				Min M _z	-5.75		-0.29		-2.74	0.02		0.05	▷	CO 21				
				Max N	-4.86	▷	-0.01		-0.45	-0.01		0.02		CO 23				
				Min N	-5.77	▷	-0.29		-2.74	0.02		0.05		CO 22				
				Max V _y	-4.87	▷	-0.01		-0.46	-0.01		0.02		CO 26				
				Min V _y	-5.75	▷	-0.29		-2.74	0.02		0.05		CO 15				
				Max V _z	-4.88		-0.01	▷	-0.45	-0.01		0.02		CO 27				
				Min V _z	-5.74		-0.29	▷	-2.74	0.02		0.06		CO 20				
				Max M _T	-5.77		-0.29		-2.74	▷	0.02	0.05		CO 22				
				Min M _T	-4.86		-0.01		-0.45	▷	-0.01	0.02		CO 23				
				Max M _y	-5.74		-0.29		-2.74	0.02		0.06		CO 20				
				Min M _y	-4.88		-0.01		-0.45	-0.01	▷	0.02		CO 27				
				Max M _z	-4.87		-0.01		-0.46	-0.01		0.02	▷	CO 24				
				Min M _z	-5.75		-0.29		-2.74	0.02		0.05	▷	CO 21				
				149		1.284 Left	Max N	-4.83	▷	-0.01	-0.37	-0.01	-0.47	0.03	CO 23			
							Min N	-5.75	▷	0.10	-1.35	0.02	-2.36	0.12	CO 22			
							Max V _y	-5.72	▷	0.10	-1.35	0.02	-2.36	0.12	CO 20			
							Min V _y	-4.85	▷	-0.01	-0.37	-0.01	-0.47	0.03	CO 27			
							Max V _z	-4.85		-0.01	▷	-0.37	-0.01	-0.47	0.03	CO 27		
							Min V _z	-5.72		0.10		-1.35	0.02	-2.36	0.12	CO 18		
							Max M _T	-5.75		0.10		-1.35	▷	0.02	-2.36	0.12	CO 22	
							Min M _T	-4.83		-0.01		-0.37	▷	-0.01	-0.47	0.03	CO 23	
							Max M _y	-4.84		-0.01		-0.37	-0.01	▷	-0.47	0.03	CO 26	
							Min M _y	-5.73		0.10		-1.35	0.02	▷	-2.37	0.12	CO 15	
							Max M _z	-5.73		0.10		-1.35	0.02		-2.37	▷	CO 15	
							Min M _z	-4.84		-0.01		-0.37	-0.01		-0.47	▷	CO 26	
							1.284 Right	Max N	-4.83	▷	-0.01	-0.37	-0.01	-0.47	0.03	CO 23		
								Min N	-5.75	▷	0.10	-1.35	0.02	-2.36	0.12	CO 22		
								Max V _y	-5.72	▷	0.10	-1.35	0.02	-2.36	0.12	CO 20		
								Min V _y	-4.85	▷	-0.01	-0.37	-0.01	-0.47	0.03	CO 27		
								Max V _z	-4.85		-0.01	▷	-0.37	-0.01	-0.47	0.03	CO 27	
								Min V _z	-5.72		0.10		-1.35	0.02	-2.36	0.12	CO 18	
								Max M _T	-5.75		0.10		-1.35	▷	0.02	-2.36	0.12	CO 22
								Min M _T	-4.83		-0.01		-0.37	▷	-0.01	-0.47	0.03	CO 23
								Max M _y	-4.84		-0.01		-0.37	-0.01	▷	-0.47	0.03	CO 26
								Min M _y	-5.73		0.10		-1.35	0.02	▷	-2.37	0.12	CO 15
								Max M _z	-5.73		0.10		-1.35	0.02		-2.37	▷	CO 15
								Min M _z	-4.84		-0.01		-0.37	-0.01		-0.47	▷	CO 26
	RC6	151	0.000 Left					Max N	-1.08	▷	-0.29	-2.48	0.03	0.23	-0.03	LC 1-5		
								Min N	-13.75	▷	-0.26	-2.53	0.03	0.35	-0.00	LC 1-4		
								Max V _y	-7.69	▷	-0.17	-1.54	-0.01	0.22	0.02	LC 1-5		
								Min V _y	-7.14	▷	-0.38	-3.48	0.06	0.36	-0.06	LC 1-4		
								Max V _z	-6.72		-0.17	▷	-1.52	-0.01	0.20	0.02	LC 1-5	
								Min V _z	-8.11		-0.38	▷	-3.49	0.06	0.38	-0.06	LC 1-4	
								Max M _T	-7.68		-0.38	▷	-3.49	0.06	0.37	-0.06	LC 1-4	
								Min M _T	-7.15		-0.17	▷	-1.53	-0.01	0.21	0.02	LC 1-5	
								Max M _y	-10.02		-0.33	-3.09	0.05	▷	0.45	-0.03	LC 1-5	
								Min M _y	-4.81		-0.22	-1.93	0.01	▷	0.12	0.00	LC 1-4	
								Max M _z	-8.09		-0.17	-1.55	-0.01		0.21	▷	0.02	LC 1-4
								Min M _z	-6.74		-0.38	-3.46	0.06		0.36	▷	-0.06	LC 1-5
								0.000 Right	Max N	-1.08	▷	-0.29	-2.48	0.03	0.23	-0.03	LC 1-5	
									Min N	-13.75	▷	-0.26	-2.53	0.03	0.35	-0.00	LC 1-4	
									Max V _y	-7.69	▷	-0.17	-1.54	-0.01	0.22	0.02	LC 1-5	
									Min V _y	-7.14	▷	-0.38	-3.48	0.06	0.36	-0.06	LC 1-4	
									Max V _z	-6.72		-0.17	▷	-1.52	-0.01	0.20	0.02	LC 1-5
									Min V _z	-8.11		-0.38	▷	-3.49	0.06	0.38	-0.06	LC 1-4
									Max M _T	-7.68		-0.38	▷	-3.49	0.06	0.37	-0.06	LC 1-4
									Min M _T	-7.15		-0.17	▷	-1.53	-0.01	0.21	0.02	LC 1-5
									Max M _y	-10.02		-0.33	-3.09	0.05	▷	0.45	-0.03	LC 1-5
									Min M _y	-4.81		-0.22	-1.93	0.01	▷	0.12	0.00	LC 1-4
				Max M _z	-8.09				-0.17	-1.55	-0.01		0.21	▷	0.02	LC 1-4		
				Min M _z	-6.74				-0.38	-3.46	0.06		0.36	▷	-0.06	LC 1-5		
				0.105 Left	Max N	-1.08			▷	-0.27	-2.39	0.03	-0.02	-0.00	LC 1-5			
					Min N	-13.75			▷	-0.23	-2.44	0.03	0.08	0.02	LC 1-4			
					Max V _y	-7.68			▷	-0.14	-1.44	-0.01	0.06	0.04	LC 1-5			
					Min V _y	-7.14			▷	-0.35	-3.39	0.06	0.00	-0.02	LC 1-4			
					Max V _z	-6.72				-0.15	▷	-1.43	-0.01	0.05	0.04	LC 1-5		
					Min V _z	-8.11				-0.35	▷	-3.40	0.06	0.01	-0.02	LC 1-4		
					Max M _T	-7.68				-0.35	▷	-3.40	0.06	0.01	-0.02	LC 1-4		
					Min M _T	-7.14				-0.15	▷	-1.43	-0.01	0.05	0.04	LC 1-5		
					Max M _y	-9.29				-0.23	-2.34	0.02	▷	0.16	0.02	LC 1-5		
					Min M _y	-5.53				-0.27	-2.49	0.03	▷	-0.10	0.01	LC 1-4		
					Max M _z	-8.20			-0.15	-1.47	-0.01		0.05	▷	0.04	LC 1-4		
					Min M _z	-6.63			-0.35	-3.36	0.06		0.01	▷	-0.02	LC 1-5		
					0.105 Right	Max N	-1.08		▷	-0.27	-2.39	0.03	-0.02	-0.00	LC 1-5			
						Min N	-13.75		▷	-0.23	-2.44	0.03	0.08	0.02	LC 1-4			
						Max V _y	-7.68		▷	-0.14	-1.44	-0.01	0.06	0.04	LC 1-5			
						Min V _y	-7.14		▷	-0.35	-3.39	0.06	0.00	-0.02	LC 1-4			
						Max V _z	-6.72			-0.15	▷	-1.43	-0.01	0.05	0.04	LC 1-5		
						Min V _z	-8.11			-0.35	▷	-3.40	0.06	0.01	-0.02	LC 1-4		
						Max M _T	-7.68			-0.35	▷	-3.40	0.06	0.01	-0.02	LC 1-4		
						Min M _T	-7.14			-0.15	▷	-1.43	-0.01	0.05	0.04	LC 1-5		
						Max M _y	-9.29			-0.23	-2.34	0.02	▷	0.16	0.02	LC 1-5		
						Min M _y	-5.53			-0.27	-2.49	0.03	▷	-0.10	0.01	LC 1-4		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
234	RC6		1.284 Left	Max M _z	-8.20	-0.15	-1.47	-0.01	0.05	0.04	LC 1-4
				Min M _z	-6.63	-0.35	-3.36	0.06	0.01	-0.02	LC 1-5
				Max N	-1.05	0.11	-1.02	0.03	-2.03	0.09	LC 1-5
				Min N	-13.71	0.14	-1.06	0.03	-1.98	0.08	LC 1-4
				Max V _y	-7.65	0.23	-0.07	-0.01	-0.83	-0.01	LC 1-5
				Min V _y	-7.11	0.02	-2.01	0.06	-3.18	0.18	LC 1-4
				Max V _z	-6.68	0.23	-0.05	-0.01	-0.83	-0.01	LC 1-5
				Min V _z	-8.08	0.02	-2.03	0.06	-3.18	0.18	LC 1-4
				Max M _T	-7.65	0.02	-2.02	0.06	-3.19	0.18	LC 1-4
				Min M _T	-7.11	0.23	-0.06	-0.01	-0.82	-0.01	LC 1-5
				Max M _y	-6.98	0.23	-0.06	-0.01	-0.82	-0.01	LC 1-5
				Min M _y	-7.78	0.02	-2.02	0.06	-3.19	0.18	LC 1-4
		149	1.284 Right	Max M _z	-7.45	0.02	-2.01	0.06	-3.18	0.18	LC 1-4
				Min M _z	-7.31	0.23	-0.07	-0.01	-0.83	-0.01	LC 1-5
				Max N	-1.05	0.11	-1.02	0.03	-2.03	0.09	LC 1-5
				Min N	-13.71	0.14	-1.06	0.03	-1.98	0.08	LC 1-4
				Max V _y	-7.65	0.23	-0.07	-0.01	-0.83	-0.01	LC 1-5
				Min V _y	-7.11	0.02	-2.01	0.06	-3.18	0.18	LC 1-4
				Max V _z	-6.68	0.23	-0.05	-0.01	-0.83	-0.01	LC 1-5
				Min V _z	-8.08	0.02	-2.03	0.06	-3.18	0.18	LC 1-4
				Max M _T	-7.65	0.02	-2.02	0.06	-3.19	0.18	LC 1-4
				Min M _T	-7.11	0.23	-0.06	-0.01	-0.82	-0.01	LC 1-5
				Max M _y	-6.98	0.23	-0.06	-0.01	-0.82	-0.01	LC 1-5
				Min M _y	-7.78	0.02	-2.02	0.06	-3.19	0.18	LC 1-4
237	RC1	153	0.000 Left	Max N	-5.23	0.21	4.20	-0.00	-2.58	0.17	CO 3
				Min N	-5.95	0.03	1.04	0.03	-0.59	0.01	CO 14
				Max V _y	-5.25	0.21	4.20	-0.00	-2.58	0.17	CO 6
				Min V _y	-5.93	0.02	1.04	0.03	-0.60	0.01	CO 13
				Max V _z	-5.25	0.20	4.20	-0.00	-2.59	0.17	CO 1
				Min V _z	-5.93	0.03	1.04	0.03	-0.59	0.01	CO 12
				Max M _T	-5.93	0.03	1.04	0.03	-0.59	0.01	CO 12
				Min M _T	-5.25	0.20	4.20	-0.00	-2.59	0.17	CO 1
				Max M _y	-5.93	0.03	1.04	0.03	-0.59	0.01	CO 12
				Min M _y	-5.25	0.20	4.20	-0.00	-2.59	0.17	CO 1
				Max M _z	-5.25	0.21	4.20	-0.00	-2.58	0.17	CO 6
				Min M _z	-5.93	0.02	1.04	0.03	-0.60	0.01	CO 13
		0.000 Right		Max N	-5.23	0.21	4.20	-0.00	-2.58	0.17	CO 3
				Min N	-5.95	0.03	1.04	0.03	-0.59	0.01	CO 14
				Max V _y	-5.25	0.21	4.20	-0.00	-2.58	0.17	CO 6
				Min V _y	-5.93	0.02	1.04	0.03	-0.60	0.01	CO 13
				Max V _z	-5.25	0.20	4.20	-0.00	-2.59	0.17	CO 1
				Min V _z	-5.93	0.03	1.04	0.03	-0.59	0.01	CO 12
				Max M _T	-5.93	0.03	1.04	0.03	-0.59	0.01	CO 12
				Min M _T	-5.25	0.20	4.20	-0.00	-2.59	0.17	CO 1
				Max M _y	-5.93	0.03	1.04	0.03	-0.59	0.01	CO 12
				Min M _y	-5.25	0.20	4.20	-0.00	-2.59	0.17	CO 1
				Max M _z	-5.25	0.21	4.20	-0.00	-2.58	0.17	CO 6
				Min M _z	-5.93	0.02	1.04	0.03	-0.60	0.01	CO 13
		0.105 Left		Max N	-5.22	0.26	4.39	0.00	-2.13	0.15	CO 3
				Min N	-5.95	0.03	1.05	0.03	-0.48	0.01	CO 14
				Max V _y	-5.24	0.26	4.38	0.00	-2.13	0.15	CO 6
				Min V _y	-5.93	0.02	1.05	0.03	-0.48	0.01	CO 13
				Max V _z	-5.24	0.25	4.39	0.00	-2.13	0.14	CO 1
				Min V _z	-5.92	0.03	1.05	0.03	-0.48	0.01	CO 12
				Max M _T	-5.92	0.03	1.05	0.03	-0.48	0.01	CO 12
				Min M _T	-5.24	0.25	4.39	0.00	-2.13	0.14	CO 1
				Max M _y	-5.92	0.03	1.05	0.03	-0.48	0.01	CO 12
				Min M _y	-5.24	0.25	4.39	0.00	-2.13	0.14	CO 1
				Max M _z	-5.24	0.26	4.38	0.00	-2.13	0.15	CO 6
				Min M _z	-5.93	0.02	1.05	0.03	-0.48	0.01	CO 13
		0.105 Right		Max N	-5.22	0.26	4.39	0.00	-2.13	0.15	CO 3
				Min N	-5.95	0.03	1.05	0.03	-0.48	0.01	CO 14
				Max V _y	-5.24	0.26	4.38	0.00	-2.13	0.15	CO 6
				Min V _y	-5.93	0.02	1.05	0.03	-0.48	0.01	CO 13
				Max V _z	-5.24	0.25	4.39	0.00	-2.13	0.14	CO 1
				Min V _z	-5.92	0.03	1.05	0.03	-0.48	0.01	CO 12
				Max M _T	-5.92	0.03	1.05	0.03	-0.48	0.01	CO 12
				Min M _T	-5.24	0.25	4.39	0.00	-2.13	0.14	CO 1
				Max M _y	-5.92	0.03	1.05	0.03	-0.48	0.01	CO 12
				Min M _y	-5.24	0.25	4.39	0.00	-2.13	0.14	CO 1
				Max M _z	-5.24	0.26	4.38	0.00	-2.13	0.15	CO 6
				Min M _z	-5.93	0.02	1.05	0.03	-0.48	0.01	CO 13
		1.284 Left		Max N	-5.18	0.58	5.61	0.01	4.00	-0.42	CO 3
				Min N	-5.90	0.03	1.16	0.03	0.82	-0.02	CO 14
				Max V _y	-5.20	0.58	5.61	0.01	4.00	-0.42	CO 6
				Min V _y	-5.89	0.03	1.16	0.03	0.82	-0.02	CO 13
				Max V _z	-5.20	0.58	5.61	0.01	4.00	-0.41	CO 1
				Min V _z	-5.88	0.03	1.16	0.03	0.82	-0.03	CO 12
				Max M _T	-5.88	0.03	1.16	0.03	0.82	-0.03	CO 12
				Min M _T	-5.20	0.58	5.61	0.01	4.00	-0.41	CO 7
				Max M _y	-5.20	0.58	5.61	0.01	4.00	-0.41	CO 1
				Min M _y	-5.88	0.03	1.16	0.03	0.82	-0.03	CO 12
				Max M _z	-5.89	0.03	1.16	0.03	0.82	-0.02	CO 13
				Min M _z	-5.20	0.58	5.61	0.01	4.00	-0.42	CO 6
		101	1.284 Right	Max N	-5.18	0.58	5.61	0.01	4.00	-0.42	CO 3
				Min N	-5.90	0.03	1.16	0.03	0.82	-0.02	CO 14
				Max V _y	-5.20	0.58	5.61	0.01	4.00	-0.42	CO 6
				Min V _y	-5.89	0.03	1.16	0.03	0.82	-0.02	CO 13
				Max V _z	-5.20	0.58	5.61	0.01	4.00	-0.41	CO 1
				Min V _z	-5.88	0.03	1.16	0.03	0.82	-0.03	CO 12

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
237	RC1	153	0.000 Left	Max M _T	-5.88	0.03	1.16	▷ 0.03	0.82	-0.03	CO 12
				Min M _T	-5.20	0.58	5.61	▷ 0.01	4.00	-0.41	CO 7
				Max M _y	-5.20	0.58	5.61	0.01	▷ 4.00	-0.41	CO 1
				Min M _y	-5.88	0.03	1.16	0.03	▷ 0.82	-0.03	CO 12
				Max M _z	-5.89	0.03	1.16	0.03	0.82	-0.02	CO 13
				Min M _z	-5.20	0.58	5.61	0.01	4.00	-0.42	CO 6
				Max N	▷ -3.95	0.16	3.04	-0.00	-1.87	0.13	CO 17
				Min N	▷ -4.46	0.02	0.70	0.02	-0.40	0.01	CO 28
				Max V _y	▷ -3.96	▷ 0.16	3.04	-0.00	-1.87	0.13	CO 20
				Min V _y	▷ -4.45	▷ 0.02	0.71	0.02	-0.41	0.01	CO 27
	RC2	153	0.000 Left	Max V _z	▷ -3.96	0.15	▷ 3.04	-0.00	-1.88	0.13	CO 15
				Min V _z	▷ -4.44	0.02	▷ 0.70	0.02	-0.40	0.01	CO 26
				Max M _T	▷ -4.44	0.02	0.70	▷ 0.02	-0.40	0.01	CO 26
				Min M _T	▷ -3.96	0.15	3.04	▷ -0.00	-1.88	0.13	CO 15
				Max M _y	▷ -4.44	0.02	0.70	0.02	▷ -0.40	0.01	CO 26
				Min M _y	▷ -3.96	0.15	3.04	-0.00	▷ -1.88	0.13	CO 15
				Max M _z	▷ -3.96	0.16	3.04	-0.00	-1.87	▷ 0.13	CO 20
				Min M _z	▷ -4.45	0.02	0.71	0.02	-0.41	▷ 0.01	CO 27
				Max N	▷ -3.95	0.16	3.04	-0.00	-1.87	0.13	CO 17
				Min N	▷ -4.46	0.02	0.70	0.02	-0.40	0.01	CO 28
	RC2	153	0.000 Right	Max V _y	▷ -3.96	▷ 0.16	3.04	-0.00	-1.87	0.13	CO 20
				Min V _y	▷ -4.45	▷ 0.02	0.71	0.02	-0.41	0.01	CO 27
				Max V _z	▷ -3.96	0.15	▷ 3.04	-0.00	-1.88	0.13	CO 15
				Min V _z	▷ -4.44	0.02	▷ 0.70	0.02	-0.40	0.01	CO 26
				Max M _T	▷ -4.44	0.02	0.70	▷ 0.02	-0.40	0.01	CO 26
				Min M _T	▷ -3.96	0.15	3.04	▷ -0.00	-1.88	0.13	CO 15
				Max M _y	▷ -4.44	0.02	0.70	0.02	▷ -0.40	0.01	CO 26
				Min M _y	▷ -3.96	0.15	3.04	-0.00	▷ -1.88	0.13	CO 15
				Max M _z	▷ -3.96	0.16	3.04	-0.00	-1.87	▷ 0.13	CO 20
				Min M _z	▷ -4.45	0.02	0.71	0.02	-0.41	▷ 0.01	CO 27
	RC2	153	0.105 Left	Max N	▷ -3.94	0.19	3.17	-0.00	-1.55	0.11	CO 17
				Min N	▷ -4.46	0.02	0.71	0.02	-0.33	0.01	CO 28
				Max V _y	▷ -3.95	▷ 0.19	3.17	-0.00	-1.55	0.11	CO 20
				Min V _y	▷ -4.45	▷ 0.02	0.71	0.02	-0.33	0.01	CO 27
				Max V _z	▷ -3.96	▷ 0.19	3.18	-0.00	-1.55	0.11	CO 15
				Min V _z	▷ -4.44	0.02	▷ 0.71	0.02	-0.33	0.01	CO 26
				Max M _T	▷ -4.44	0.02	0.71	▷ 0.02	-0.33	0.01	CO 26
				Min M _T	▷ -3.96	0.19	3.18	▷ -0.00	-1.55	0.11	CO 15
				Max M _y	▷ -4.44	0.02	0.71	0.02	▷ -0.33	0.01	CO 26
				Min M _y	▷ -3.96	0.19	3.18	-0.00	▷ -1.55	0.11	CO 15
	RC2	153	0.105 Right	Max M _z	▷ -3.95	0.19	3.17	-0.00	-1.55	▷ 0.11	CO 20
				Min M _z	▷ -4.45	0.02	0.71	0.02	-0.33	▷ 0.01	CO 27
				Max N	▷ -3.94	0.19	3.17	-0.00	-1.55	0.11	CO 17
				Min N	▷ -4.46	0.02	0.71	0.02	-0.33	0.01	CO 28
				Max V _y	▷ -3.95	▷ 0.19	3.17	-0.00	-1.55	0.11	CO 20
				Min V _y	▷ -4.45	▷ 0.02	0.71	0.02	-0.33	0.01	CO 27
				Max V _z	▷ -3.96	0.19	▷ 3.18	-0.00	-1.55	0.11	CO 15
				Min V _z	▷ -4.44	0.02	▷ 0.71	0.02	-0.33	0.01	CO 26
				Max M _T	▷ -4.44	0.02	0.71	▷ 0.02	-0.33	0.01	CO 26
				Min M _T	▷ -3.96	0.19	3.18	▷ -0.00	-1.55	0.11	CO 15
	RC2	153	1.284 Left	Max M _y	▷ -4.44	0.02	0.71	0.02	▷ -0.33	0.01	CO 26
				Min M _y	▷ -3.96	0.19	3.18	-0.00	▷ -1.55	0.11	CO 15
				Max M _z	▷ -3.95	0.19	3.17	-0.00	-1.55	▷ 0.11	CO 20
				Min M _z	▷ -4.45	0.02	0.71	0.02	-0.33	▷ 0.01	CO 27
				Max N	▷ -3.91	0.43	4.08	0.00	2.90	-0.31	CO 17
				Min N	▷ -4.43	0.02	0.79	0.02	0.56	-0.02	CO 28
				Max V _y	▷ -3.92	▷ 0.43	4.08	0.00	2.90	-0.31	CO 20
				Min V _y	▷ -4.42	▷ 0.02	0.79	0.02	0.56	-0.02	CO 27
				Max V _z	▷ -3.93	0.43	▷ 4.08	0.00	2.90	-0.31	CO 15
				Min V _z	▷ -4.41	0.02	▷ 0.79	0.02	0.56	-0.02	CO 26
	RC2	153	1.284 Right	Max M _T	▷ -4.41	0.02	0.79	▷ 0.02	0.56	-0.02	CO 26
				Min M _T	▷ -3.93	0.43	4.08	▷ 0.00	2.90	-0.31	CO 21
				Max M _y	▷ -3.93	0.43	4.08	0.00	▷ 2.90	-0.31	CO 15
				Min M _y	▷ -4.41	0.02	0.79	0.02	▷ 0.56	-0.02	CO 26
				Max M _z	▷ -4.42	0.02	0.79	0.02	▷ 0.56	-0.02	CO 27
				Min M _z	▷ -3.92	0.43	4.08	0.00	▷ 2.90	-0.31	CO 20
				Max N	▷ -3.91	0.43	4.08	0.00	2.90	-0.31	CO 17
				Min N	▷ -4.43	0.02	0.79	0.02	0.56	-0.02	CO 28
				Max V _y	▷ -3.92	▷ 0.43	4.08	0.00	2.90	-0.31	CO 20
				Min V _y	▷ -4.42	▷ 0.02	0.79	0.02	0.56	-0.02	CO 27
	RC6	153	0.000 Left	Max V _z	▷ -3.93	0.43	▷ 4.08	0.00	2.90	-0.31	CO 15
				Min V _z	▷ -4.41	0.02	▷ 0.79	0.02	0.56	-0.02	CO 26
				Max M _T	▷ -4.41	0.02	0.79	▷ 0.02	0.56	-0.02	CO 26
				Min M _T	▷ -3.93	0.43	4.08	▷ 0.00	2.90	-0.31	CO 21
				Max M _y	▷ -3.93	0.43	4.08	0.00	▷ 2.90	-0.31	CO 15
				Min M _y	▷ -4.41	0.02	0.79	0.02	▷ 0.56	-0.02	CO 26
				Max M _z	▷ -4.42	0.02	0.79	0.02	▷ 0.56	-0.02	CO 27
				Min M _z	▷ -3.92	0.43	4.08	0.00	▷ 2.90	-0.31	CO 20
				Max N	▷ -2.24	0.35	2.90	-0.05	-1.86	0.17	LC 1-4
				Min N	▷ -9.78	-0.01	1.95	0.01	-1.26	0.08	LC 1-5
	RC6	153	0.000 Left	Max V _y	▷ -4.86	▷ 0.76	3.59	-0.08	-2.25	0.33	LC 1-5
				Min V _y	▷ -7.16	▷ -0.42	1.26	0.05	-0.86	-0.07	LC 1-4
				Max V _z	▷ -4.92	0.58	▷ 4.09	-0.08	-2.39	0.31	LC 1-4
				Min V _z	▷ -7.09	-0.23	▷ 0.77	0.05	-0.72	-0.05	LC 1-5
				Max M _T	▷ -7.48	-0.35	0.91	▷ 0.06	-0.72	-0.07	LC 1-5
				Min M _T	▷ -4.53	0.70	3.95	▷ -0.09	-2.39	0.33	LC 1-4
				Max M _y	▷ -7.32	-0.30	0.81	0.06	▷ -0.70	-0.06	LC 1-5
				Min M _y	▷ -4.69	0.64	4.04	-0.09	▷ -2.41	0.32	LC 1-4
				Max M _z	▷ -5.21	0.73	3.84	-0.09	-2.33	0.34	LC 1-5
				Min M _z	▷ -6.81	-0.39	1.02	0.06	▷ -0.79	-0.09	LC 1-4
	RC6	153	0.000 Right	Max N	▷ -2.24	0.35	2.90	-0.05	-1.86	0.17	LC 1-4
				Min N	▷ -9.78	-0.01	1.95	0.01	-1.26	0.08	LC 1-5



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
237	RC6		0.105 Left	Max V _y	-4.86	0.76	3.59	-0.08	-2.25	0.33	LC 1-5	
				Min V _y	-7.16	-0.42	1.26	0.05	-0.86	-0.07	LC 1-4	
				Max V _z	-4.92	0.58	4.09	-0.08	-2.39	0.31	LC 1-4	
				Min V _z	-7.09	-0.23	0.77	0.05	-0.72	-0.05	LC 1-5	
				Max M _T	-7.48	-0.35	0.91	0.06	-0.72	-0.07	LC 1-5	
				Min M _T	-4.53	0.70	3.95	-0.09	-2.39	0.33	LC 1-4	
				Max M _y	-7.32	-0.30	0.81	0.06	-0.70	-0.06	LC 1-5	
				Min M _y	-4.69	0.64	4.04	-0.09	-2.41	0.32	LC 1-4	
				Max M _z	-5.21	0.73	3.84	-0.09	-2.33	0.34	LC 1-5	
				Min M _z	-6.81	-0.39	1.02	0.06	-0.79	-0.09	LC 1-4	
				Max N	-2.23	0.38	3.04	-0.05	-1.54	0.13	LC 1-4	
				Min N	-9.77	0.03	2.09	0.01	-1.05	0.08	LC 1-5	
				Max V _y	-4.85	0.80	3.73	-0.08	-1.86	0.25	LC 1-5	
				Min V _y	-7.15	-0.38	1.40	0.05	-0.72	-0.03	LC 1-4	
				Max V _z	-4.92	0.61	4.22	-0.08	-1.95	0.24	LC 1-4	
				Min V _z	-7.09	-0.20	0.90	0.05	-0.64	-0.03	LC 1-5	
				Max M _T	-7.48	-0.32	1.05	0.06	-0.62	-0.03	LC 1-5	
				Min M _T	-4.53	0.73	4.08	-0.09	-1.97	0.25	LC 1-4	
				Max M _y	-7.37	-0.28	0.97	0.06	-0.61	-0.03	LC 1-5	
				Min M _y	-4.64	0.69	4.15	-0.09	-1.98	0.25	LC 1-4	
				Max M _z	-5.37	0.73	4.03	-0.09	-1.92	0.27	LC 1-5	
				Min M _z	-6.64	-0.32	1.09	0.05	-0.67	-0.05	LC 1-4	
				Max N	-2.23	0.38	3.04	-0.05	-1.54	0.13	LC 1-4	
				Min N	-9.77	0.03	2.09	0.01	-1.05	0.08	LC 1-5	
				Max V _y	-4.85	0.80	3.73	-0.08	-1.86	0.25	LC 1-5	
				Min V _y	-7.15	-0.38	1.40	0.05	-0.72	-0.03	LC 1-4	
				Max V _z	-4.92	0.61	4.22	-0.08	-1.95	0.24	LC 1-4	
				Min V _z	-7.09	-0.20	0.90	0.05	-0.64	-0.03	LC 1-5	
				Max M _T	-7.48	-0.32	1.05	0.06	-0.62	-0.03	LC 1-5	
				Min M _T	-4.53	0.73	4.08	-0.09	-1.97	0.25	LC 1-4	
				Max M _y	-7.37	-0.28	0.97	0.06	-0.61	-0.03	LC 1-5	
				Min M _y	-4.64	0.69	4.15	-0.09	-1.98	0.25	LC 1-4	
				Max M _z	-5.37	0.73	4.03	-0.09	-1.92	0.27	LC 1-5	
				Min M _z	-6.64	-0.32	1.09	0.05	-0.67	-0.05	LC 1-4	
				Max N	-2.20	0.63	3.95	-0.05	2.74	-0.51	LC 1-4	
				Min N	-9.74	0.27	3.00	0.01	2.12	-0.14	LC 1-5	
				Max V _y	-4.82	1.04	4.64	-0.08	3.24	-0.88	LC 1-5	
				Min V _y	-7.12	-0.14	2.31	0.05	1.63	0.23	LC 1-4	
				Max V _z	-4.88	0.85	5.14	-0.08	3.73	-0.67	LC 1-4	
				Min V _z	-7.06	0.04	1.82	0.05	1.13	0.02	LC 1-5	
				Max M _T	-7.44	-0.08	1.96	0.06	1.32	0.15	LC 1-5	
				Min M _T	-4.50	0.97	5.00	-0.09	3.54	-0.80	LC 1-4	
				Max M _y	-5.07	0.80	5.12	-0.08	3.75	-0.61	LC 1-5	
				Min M _y	-6.87	0.10	1.84	0.05	1.12	-0.04	LC 1-4	
				Max M _z	-7.22	-0.14	2.44	0.05	1.74	0.23	LC 1-4	
				Min M _z	-4.72	1.03	4.52	-0.08	3.12	-0.89	LC 1-5	
				Max N	-2.20	0.63	3.95	-0.05	2.74	-0.51	LC 1-4	
				Min N	-9.74	0.27	3.00	0.01	2.12	-0.14	LC 1-5	
				Max V _y	-4.82	1.04	4.64	-0.08	3.24	-0.88	LC 1-5	
				Min V _y	-7.12	-0.14	2.31	0.05	1.63	0.23	LC 1-4	
				Max V _z	-4.88	0.85	5.14	-0.08	3.73	-0.67	LC 1-4	
				Min V _z	-7.06	0.04	1.82	0.05	1.13	0.02	LC 1-5	
				Max M _T	-7.44	-0.08	1.96	0.06	1.32	0.15	LC 1-5	
				Min M _T	-4.50	0.97	5.00	-0.09	3.54	-0.80	LC 1-4	
				Max M _y	-5.07	0.80	5.12	-0.08	3.75	-0.61	LC 1-5	
				Min M _y	-6.87	0.10	1.84	0.05	1.12	-0.04	LC 1-4	
				Max M _z	-7.22	-0.14	2.44	0.05	1.74	0.23	LC 1-4	
				Min M _z	-4.72	1.03	4.52	-0.08	3.12	-0.89	LC 1-5	
252	RC1	164	0.000 Left	Max N	1.63	-0.05	-0.76	-0.01	0.47	-0.02	CO 12	
				Min N	-7.31	-0.23	-1.06	-0.02	0.42	-0.12	CO 1	
				Max V _y	1.61	-0.05	-0.76	-0.01	0.47	-0.02	CO 14	
				Min V _y	-7.29	-0.23	-1.06	-0.02	0.43	-0.12	CO 3	
				Max V _z	1.63	-0.05	-0.76	-0.01	0.47	-0.02	CO 12	
				Min V _z	-7.31	-0.23	-1.06	-0.02	0.42	-0.12	CO 1	
				Max M _T	1.60	-0.05	-0.76	-0.01	0.47	-0.02	CO 11	
				Min M _T	-7.29	-0.23	-1.06	-0.02	0.42	-0.12	CO 2	
				Max M _y	1.55	-0.05	-0.76	-0.01	0.47	-0.02	CO 9	
				Min M _y	-7.29	-0.23	-1.06	-0.02	0.42	-0.12	CO 2	
				Max M _z	1.61	-0.05	-0.76	-0.01	0.47	-0.02	CO 14	
				Min M _z	-7.29	-0.23	-1.06	-0.02	0.43	-0.12	CO 3	
			0.000 Right	Max N	1.63	-0.05	-0.76	-0.01	0.47	-0.02	CO 12	
				Min N	-7.31	-0.23	-1.06	-0.02	0.42	-0.12	CO 1	
				Max V _y	1.61	-0.05	-0.76	-0.01	0.47	-0.02	CO 14	
				Min V _y	-7.29	-0.23	-1.06	-0.02	0.43	-0.12	CO 3	
				Max V _z	1.63	-0.05	-0.76	-0.01	0.47	-0.02	CO 12	
				Min V _z	-7.31	-0.23	-1.06	-0.02	0.42	-0.12	CO 1	
				Max M _T	1.60	-0.05	-0.76	-0.01	0.47	-0.02	CO 11	
				Min M _T	-7.29	-0.23	-1.06	-0.02	0.42	-0.12	CO 2	
				Max M _y	1.55	-0.05	-0.76	-0.01	0.47	-0.02	CO 9	
				Min M _y	-7.29	-0.23	-1.06	-0.02	0.42	-0.12	CO 2	
				Max M _z	1.61	-0.05	-0.76	-0.01	0.47	-0.02	CO 14	
				Min M _z	-7.29	-0.23	-1.06	-0.02	0.43	-0.12	CO 3	
			1.729 Left	Max N	1.53	-0.05	-0.62	-0.01	-0.72	0.07	CO 12	
				Min N	-7.41	-0.22	0.71	-0.02	0.11	0.27	CO 1	
				Max V _y	1.51	-0.05	-0.62	-0.01	-0.73	0.06	CO 14	
				Min V _y	-7.39	-0.22	0.71	-0.02	0.11	0.27	CO 3	
				Max V _z	-7.31	-0.22	0.71	-0.02	0.12	0.26	CO 6	
				Min V _z	1.48	-0.05	-0.62	-0.01	-0.73	0.07	CO 13	
				Max M _T	1.50	-0.05	-0.62	-0.01	-0.73	0.07	CO 11	
				Min M _T	-7.33	-0.22	0.71	-0.02	0.12	0.26	CO 8	
				Max M _y	-7.31	-0.22	0.71	-0.02	0.12	0.26	CO 6	
				Min M _y	1.48	-0.05	-0.62	-0.01	-0.73	0.07	CO 13	

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
252	RC1	102	1.729 Right	Max M _z	-7.39	-0.22	0.71	-0.02	0.11	0.27	CO 3
				Min M _z	1.51	-0.05	-0.62	-0.01	-0.73	0.06	CO 14
				Max N	1.53	-0.05	-0.62	-0.01	-0.72	0.07	CO 12
				Min N	-7.41	-0.22	0.71	-0.02	0.11	0.27	CO 1
				Max V _y	1.51	-0.05	-0.62	-0.01	-0.73	0.06	CO 14
				Min V _y	-7.39	-0.22	0.71	-0.02	0.11	0.27	CO 3
				Max V _z	-7.31	-0.22	0.71	-0.02	0.12	0.26	CO 6
				Min V _z	1.48	-0.05	-0.62	-0.01	-0.73	0.07	CO 13
				Max M _T	1.50	-0.05	-0.62	-0.01	-0.73	0.07	CO 11
				Min M _T	-7.33	-0.22	0.71	-0.02	0.12	0.26	CO 8
				Max M _y	-7.31	-0.22	0.71	-0.02	0.12	0.26	CO 6
				Min M _y	1.48	-0.05	-0.62	-0.01	-0.73	0.07	CO 13
		RC2	0.000 Left	Max M _z	-7.39	-0.22	0.71	-0.02	0.11	0.27	CO 3
				Min M _z	1.51	-0.05	-0.62	-0.01	-0.73	0.06	CO 14
				Max N	1.56	-0.03	-0.52	-0.00	0.31	-0.02	CO 26
				Min N	-5.06	-0.16	-0.75	-0.01	0.28	-0.09	CO 15
				Max V _y	1.54	-0.03	-0.52	-0.00	0.31	-0.02	CO 28
				Min V _y	-5.06	-0.16	-0.75	-0.01	0.28	-0.09	CO 15
				Max V _z	1.56	-0.03	-0.52	-0.00	0.31	-0.02	CO 26
				Min V _z	-5.06	-0.16	-0.75	-0.01	0.28	-0.09	CO 15
				Max M _T	1.54	-0.04	-0.52	-0.00	0.31	-0.02	CO 25
				Min M _T	-5.04	-0.16	-0.75	-0.01	0.28	-0.09	CO 16
				Max M _y	1.54	-0.04	-0.52	-0.00	0.31	-0.02	CO 25
				Min M _y	-5.04	-0.16	-0.75	-0.01	0.28	-0.09	CO 16
			0.000 Right	Max M _z	1.52	-0.04	-0.52	-0.00	0.31	-0.02	CO 27
				Min M _z	-5.04	-0.16	-0.75	-0.01	0.28	-0.09	CO 17
				Max N	1.55	-0.03	-0.52	-0.00	0.31	-0.02	CO 26
				Min N	-5.06	-0.16	-0.75	-0.01	0.28	-0.09	CO 15
				Max V _y	1.54	-0.03	-0.52	-0.00	0.31	-0.02	CO 28
				Min V _y	-5.06	-0.16	-0.75	-0.01	0.28	-0.09	CO 15
				Max V _z	1.55	-0.03	-0.52	-0.00	0.31	-0.02	CO 26
				Min V _z	-5.06	-0.16	-0.75	-0.01	0.28	-0.09	CO 15
				Max M _T	1.54	-0.04	-0.52	-0.00	0.31	-0.02	CO 25
				Min M _T	-5.04	-0.16	-0.75	-0.01	0.28	-0.09	CO 16
				Max M _y	1.54	-0.04	-0.52	-0.00	0.31	-0.02	CO 25
				Min M _y	-5.04	-0.16	-0.75	-0.01	0.28	-0.09	CO 16
		102	1.729 Left	Max M _z	1.52	-0.04	-0.52	-0.00	0.31	-0.02	CO 27
				Min M _z	-5.04	-0.16	-0.75	-0.01	0.28	-0.09	CO 17
				Max N	1.48	-0.04	-0.42	-0.00	-0.50	0.04	CO 26
				Min N	-5.13	-0.16	0.56	-0.01	0.12	0.19	CO 15
				Max V _y	1.46	-0.04	-0.42	-0.00	-0.50	0.04	CO 28
				Min V _y	-5.12	-0.16	0.56	-0.01	0.12	0.19	CO 17
				Max V _z	-5.06	-0.16	0.57	-0.01	0.12	0.19	CO 20
				Min V _z	1.45	-0.04	-0.42	-0.00	-0.50	0.05	CO 27
				Max M _T	1.46	-0.04	-0.42	-0.00	-0.50	0.05	CO 25
				Min M _T	-5.08	-0.16	0.57	-0.01	0.12	0.19	CO 22
				Max M _y	-5.06	-0.16	0.57	-0.01	0.12	0.19	CO 20
				Min M _y	1.45	-0.04	-0.42	-0.00	-0.50	0.05	CO 27
			1.729 Right	Max M _z	-5.12	-0.16	0.56	-0.01	0.12	0.19	CO 17
				Min M _z	1.46	-0.04	-0.42	-0.00	-0.50	0.04	CO 28
				Max N	1.48	-0.04	-0.42	-0.00	-0.50	0.04	CO 26
				Min N	-5.13	-0.16	0.56	-0.01	0.12	0.19	CO 15
				Max V _y	1.46	-0.04	-0.42	-0.00	-0.50	0.04	CO 28
				Min V _y	-5.12	-0.16	0.56	-0.01	0.12	0.19	CO 17
				Max V _z	-5.06	-0.16	0.57	-0.01	0.12	0.19	CO 20
				Min V _z	1.45	-0.04	-0.42	-0.00	-0.50	0.05	CO 27
				Max M _T	1.46	-0.04	-0.42	-0.00	-0.50	0.05	CO 25
				Min M _T	-5.08	-0.16	0.57	-0.01	0.12	0.19	CO 22
				Max M _y	-5.06	-0.16	0.57	-0.01	0.12	0.19	CO 20
				Min M _y	1.45	-0.04	-0.42	-0.00	-0.50	0.05	CO 27
	RC6	164	0.000 Left	Max M _z	1.46	-0.04	-0.42	-0.00	-0.50	0.04	CO 28
				Min M _z	-5.12	-0.16	0.56	-0.01	0.12	0.19	CO 17
				Max N	7.80	-0.14	-0.00	-0.01	-0.36	-0.08	LC 1-5
				Min N	-7.84	-0.12	-0.89	-0.01	0.33	-0.06	LC 1-4
				Max V _y	0.90	0.36	-0.41	-0.01	-0.05	0.34	LC 1-5
				Min V _y	-0.95	-0.62	-0.48	-0.01	0.01	-0.48	LC 1-4
				Max V _z	6.06	-0.14	0.09	-0.01	-0.42	-0.07	LC 1-5
				Min V _z	-6.11	-0.12	-0.98	-0.01	0.39	-0.06	LC 1-4
				Max M _T	3.31	0.02	-0.43	0.00	-0.03	0.06	LC 1-5
				Min M _T	-3.36	-0.28	-0.45	-0.02	0.00	-0.19	LC 1-4
				Max M _y	-6.28	-0.12	-0.98	-0.01	0.39	-0.07	LC 1-4
				Min M _y	6.23	-0.13	0.09	-0.01	-0.42	-0.07	LC 1-5
		0.000 Right	1.729 Left	Max M _z	0.78	0.36	-0.40	-0.01	-0.05	0.34	LC 1-5
				Min M _z	-0.83	-0.62	-0.49	-0.01	0.02	-0.48	LC 1-4
				Max N	7.80	-0.14	-0.00	-0.01	-0.36	-0.08	LC 1-5
				Min N	-7.84	-0.12	-0.89	-0.01	0.33	-0.06	LC 1-4
				Max V _y	0.90	0.36	-0.41	-0.01	-0.05	0.34	LC 1-5
				Min V _y	-0.95	-0.62	-0.48	-0.01	0.01	-0.48	LC 1-4
				Max V _z	6.06	-0.14	0.09	-0.01	-0.42	-0.07	LC 1-5
				Min V _z	-6.11	-0.12	-0.98	-0.01	0.39	-0.06	LC 1-4
				Max M _T	3.31	0.02	-0.43	0.00	-0.03	0.06	LC 1-5
				Min M _T	-3.36	-0.28	-0.45	-0.02	0.00	-0.19	LC 1-4
				Max M _y	-6.28	-0.12	-0.98	-0.01	0.39	-0.07	LC 1-4
				Min M _y	6.23	-0.13	0.09	-0.01	-0.42	-0.07	LC 1-5
		1.729 Right	0.000 Left	Max M _z	0.78	0.36	-0.40	-0.01	-0.05	0.34	LC 1-5
				Min M _z	-0.83	-0.62	-0.49	-0.01	0.02	-0.48	LC 1-4
				Max N	7.72	-0.14	1.31	-0.01	0.77	0.16	LC 1-5
				Min N	-7.92	-0.12	0.43	-0.01	-0.07	0.15	LC 1-4
				Max V _y	0.83	0.36	0.91	-0.01	0.39	-0.28	LC 1-5
				Min V _y	-1.02	-0.62	0.83	-0.01	0.31	0.59	LC 1-4
				Max V _z	5.99	-0.14	1.40	-0.01	0.87	0.17	LC 1-5
				Min V _z	-6.18	-0.12	0.34	-0.01	-0.17	0.14	LC 1-4



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases		
				N	V _y	V _z	M _T	M _y	M _z					
252	RC6	102	1.729 Right	Max M _T	3.24	0.02	0.88	▷	0.00	0.35	0.02	LC 1-5		
				Min M _T	-3.43	-0.28	0.86	▷	-0.02	0.35	0.29	LC 1-4		
				Max M _y	5.87	-0.14	1.40	-0.01	▷	0.87	0.17	LC 1-5		
				Min M _y	-6.06	-0.11	0.34	-0.01	▷	-0.17	0.14	LC 1-4		
				Max M _z	-1.13	-0.62	0.84	-0.01	▷	0.32	▷	0.59	LC 1-4	
				Min M _z	0.93	0.36	0.90	-0.01	▷	0.38	▷	-0.28	LC 1-5	
				Max N	7.72	-0.14	1.31	-0.01	▷	0.77	▷	0.16	LC 1-5	
				Min N	-7.92	-0.12	0.43	-0.01	▷	-0.07	▷	0.15	LC 1-4	
				Max V _y	0.83	▷	0.36	0.91	-0.01	▷	0.39	▷	-0.28	LC 1-5
				Min V _y	-1.02	▷	-0.62	0.83	-0.01	▷	0.31	▷	0.59	LC 1-4
				Max V _z	5.99	-0.14	▷	1.40	-0.01	▷	0.87	▷	0.17	LC 1-5
				Min V _z	-6.18	-0.12	▷	0.34	-0.01	▷	-0.17	▷	0.14	LC 1-4
				Max M _T	3.24	0.02	0.88	▷	0.00	▷	0.35	▷	0.02	LC 1-5
				Min M _T	-3.43	-0.28	0.86	▷	-0.02	▷	0.35	▷	0.29	LC 1-4
				Max M _y	5.87	-0.14	1.40	-0.01	▷	▷	0.87	▷	0.17	LC 1-5
				Min M _y	-6.06	-0.11	0.34	-0.01	▷	▷	-0.17	▷	0.14	LC 1-4
				Max M _z	-1.13	-0.62	0.84	-0.01	▷	▷	0.32	▷	0.59	LC 1-4
				269	RC1	73	0.000	Min M _z	0.93	0.36	0.90	-0.01	▷	0.38
Max N	-0.97	-0.27	0.43					-0.00	▷	-0.35	▷	-0.26	CO 14	
Min N	-9.38	-0.58	0.91					-0.00	▷	-0.79	▷	-0.58	CO 3	
Max V _y	-1.04	▷	0.42					-0.00	▷	-0.35	▷	-0.26	CO 10	
Min V _y	-9.31	▷	-0.59					0.92	-0.00	▷	-0.79	▷	-0.58	CO 7
Max V _z	-9.30	-0.59	▷					0.92	-0.00	▷	-0.79	▷	-0.58	CO 8
Min V _z	-1.06	-0.27	▷					0.42	-0.00	▷	-0.35	▷	-0.26	CO 9
Max M _T	-1.06	-0.27	0.42					▷	-0.00	▷	-0.35	▷	-0.26	CO 9
Min M _T	-9.30	-0.59	0.92					▷	-0.00	▷	-0.79	▷	-0.58	CO 8
Max M _y	-1.06	-0.27	0.42					-0.00	▷	▷	-0.35	▷	-0.26	CO 9
Min M _y	-9.30	-0.59	0.92					-0.00	▷	▷	-0.79	▷	-0.58	CO 8
Max M _z	-1.04	-0.27	0.42					-0.00	▷	▷	-0.35	▷	-0.26	CO 10
Min M _z	-9.31	-0.59	0.92			-0.00	▷	▷	-0.79	▷	-0.58	CO 7		
176	1.500	Max N	-1.12			-0.28	0.43	-0.00	▷	0.29	▷	0.15	CO 14	
		Min N	-9.53			-0.60	0.92	-0.00	▷	0.59	▷	0.33	CO 3	
		Max V _y	-1.19			▷	0.42	-0.00	▷	0.29	▷	0.15	CO 10	
		Min V _y	-9.46			▷	-0.60	0.92	-0.00	▷	0.59	▷	0.33	CO 7
		Max V _z	-9.45			-0.60	▷	0.92	-0.00	▷	0.59	▷	0.33	CO 8
		Min V _z	-1.20			-0.27	▷	0.42	-0.00	▷	0.29	▷	0.15	CO 9
		Max M _T	-1.20			-0.27	0.42	▷	-0.00	▷	0.29	▷	0.15	CO 9
		Min M _T	-9.45			-0.60	0.92	▷	-0.00	▷	0.59	▷	0.33	CO 8
		Max M _y	-9.48			-0.60	0.92	-0.00	▷	▷	0.60	▷	0.33	CO 2
		Min M _y	-1.17			-0.27	0.42	-0.00	▷	▷	0.29	▷	0.15	CO 11
		Max M _z	-9.46			-0.60	0.92	-0.00	▷	▷	0.59	▷	0.33	CO 7
		Min M _z	-1.19		-0.27	0.42	-0.00	▷	▷	0.29	▷	0.15	CO 10	
RC2	73	0.000	Max N		-0.56	-0.19	0.30	-0.00	▷	-0.24	▷	-0.18	CO 28	
			Min N		-6.79	-0.42	0.66	-0.00	▷	-0.57	▷	-0.42	CO 17	
			Max V _y		-0.61	-0.19	0.30	-0.00	▷	-0.24	▷	-0.18	CO 24	
			Min V _y		-6.74	-0.43	0.66	-0.00	▷	-0.57	▷	-0.42	CO 21	
			Max V _z		-6.73	-0.43	▷	0.67	-0.00	▷	-0.57	▷	-0.42	CO 22
			Min V _z		-0.62	-0.19	▷	0.30	-0.00	▷	-0.24	▷	-0.18	CO 23
			Max M _T		-0.62	-0.19	0.30	▷	-0.00	▷	-0.24	▷	-0.18	CO 23
			Min M _T		-6.73	-0.43	0.67	▷	-0.00	▷	-0.57	▷	-0.42	CO 22
			Max M _y		-0.62	-0.19	0.30	-0.00	▷	▷	-0.24	▷	-0.18	CO 23
			Min M _y		-6.73	-0.43	0.67	-0.00	▷	▷	-0.57	▷	-0.42	CO 22
			Max M _z		-0.61	-0.19	0.30	-0.00	▷	▷	-0.24	▷	-0.18	CO 24
			Min M _z		-6.74	-0.43	0.66	-0.00	▷	▷	-0.57	▷	-0.42	CO 21
	176	1.500	Max N		-0.67	-0.19	0.30	-0.00	▷	0.21	▷	0.11	CO 28	
			Min N		-6.90	-0.43	0.66	-0.00	▷	0.43	▷	0.23	CO 17	
			Max V _y		-0.72	-0.19	0.30	-0.00	▷	0.21	▷	0.11	CO 24	
			Min V _y		-6.84	-0.44	0.67	-0.00	▷	0.43	▷	0.24	CO 21	
			Max V _z		-6.84	-0.44	▷	0.67	-0.00	▷	0.43	▷	0.24	CO 22
			Min V _z		-0.73	-0.19	▷	0.30	-0.00	▷	0.21	▷	0.11	CO 23
			Max M _T		-6.90	-0.43	0.66	▷	-0.00	▷	0.43	▷	0.23	CO 17
			Min M _T		-0.67	-0.19	0.30	▷	-0.00	▷	0.21	▷	0.11	CO 28
			Max M _y		-6.86	-0.43	0.67	-0.00	▷	▷	0.43	▷	0.23	CO 16
			Min M _y		-0.70	-0.19	0.30	-0.00	▷	▷	0.21	▷	0.11	CO 25
			Max M _z		-6.84	-0.44	0.67	-0.00	▷	▷	0.43	▷	0.24	CO 21
			Min M _z		-0.72	-0.19	0.30	-0.00	▷	▷	0.21	▷	0.11	CO 24
RC6	73	0.000	Max N		-1.82	-0.25	0.39	-0.00	▷	-0.36	▷	-0.26	LC 1-5	
			Min N		-7.84	-0.46	0.77	-0.00	▷	-0.56	▷	-0.41	LC 1-4	
			Max V _y		-1.99	▷	0.38	0.00	▷	-0.35	▷	-0.25	LC 1-5	
			Min V _y		-7.68	▷	-0.46	0.78	-0.00	▷	-0.57	▷	-0.42	LC 1-4
			Max V _z		-7.41	-0.45	▷	0.79	-0.00	▷	-0.57	▷	-0.41	LC 1-4
			Min V _z		-2.25	-0.26	▷	0.37	0.00	▷	-0.35	▷	-0.26	LC 1-5
			Max M _T		-4.48	-0.33	0.56	▷	0.00	▷	-0.44	▷	-0.32	LC 1-4
			Min M _T		-5.19	-0.38	0.60	▷	-0.00	▷	-0.49	▷	-0.35	LC 1-5
			Max M _y		-2.43	-0.26	0.38	0.00	▷	▷	-0.34	▷	-0.25	LC 1-4
			Min M _y		-7.24	-0.45	0.79	-0.00	▷	▷	-0.58	▷	-0.41	LC 1-5
			Max M _z		-2.11	-0.25	0.38	0.00	▷	▷	-0.35	▷	-0.25	LC 1-4
			Min M _z		-7.55	-0.46	0.78	-0.00	▷	▷	-0.57	▷	-0.42	LC 1-5
	176	1.500	Max N		-1.93	-0.25	0.39	-0.00	▷	0.23	▷	0.12	LC 1-5	
			Min N		-7.95	-0.46	0.77	-0.00	▷	0.60	▷	0.27	LC 1-4	
			Max V _y		-2.10	▷	0.38	0.00	▷	0.22	▷	0.12	LC 1-5	
			Min V _y		-7.78	▷	-0.46	0.78	-0.00	▷	0.60	▷	0.28	LC 1-4
			Max V _z		-7.52	-0.45	▷	0.79	-0.00	▷	0.61	▷	0.27	LC 1-4
			Min V _z		-2.36	-0.26	▷	0.37	0.00	▷	0.21	▷	0.13	LC 1-5
			Max M _T		-4.59	-0.33	0.56	▷	0.00	▷	0.40	▷	0.18	LC 1-4
			Min M _T		-5.30	-0.38	0.60	▷	-0.00	▷	0.42	▷	0.22	LC 1-5
			Max M _y		-7.56	-0.45	0.79	-0.00	▷	▷	0.61	▷	0.26	LC 1-4
			Min M _y		-2.32	-0.26	0.37	-0.00	▷	▷	0.21	▷	0.13	LC 1-5
			Max M _z		-7.84	-0.46	0.78	-0.00	▷	▷	0.60	▷	0.28	LC 1-4
			Min M _z	-2.04	-0.25	0.39	0.00	▷	▷	0.23	▷	0.12	LC 1-5	
270	RC1	85	0.000	Max N	-1.73	0.18	0.39	0.00	▷	-0.27	▷	0.19	CO 13	
				Min N	-9.96	0.46	0.88	0.00	▷	-0.69	▷	0.49	CO 4	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z			
270	RC1	177	1.500	Max V _y	-9.84	▷ 0.46	0.88	0.00	-0.70	0.49	CO 8	
				Min V _y	-1.85	▷ 0.17	0.39	0.00	-0.27	0.19	CO 9	
				Max V _z	-9.92	▷ 0.46	▷ 0.88	0.00	-0.69	0.49	CO 6	
				Min V _z	-1.73	▷ 0.18	▷ 0.39	0.00	-0.27	0.19	CO 13	
				Max M _T	-9.92	▷ 0.46	0.88	▷ 0.00	-0.69	0.49	CO 6	
				Min M _T	-1.85	▷ 0.17	0.39	▷ 0.00	-0.27	0.19	CO 9	
				Max M _y	-1.85	▷ 0.17	0.39	▷ 0.00	-0.27	0.19	CO 9	
				Min M _y	-9.84	▷ 0.46	0.88	▷ 0.00	-0.70	0.49	CO 8	
				Max M _z	-9.84	▷ 0.46	0.88	▷ 0.00	-0.70	▷ 0.49	CO 8	
				Min M _z	-1.85	▷ 0.17	0.39	▷ 0.00	-0.27	▷ 0.19	CO 9	
				Max N	-1.88	▷ 0.18	0.39	▷ 0.00	0.32	-0.08	CO 13	
				Min N	-10.11	▷ 0.48	0.88	▷ 0.00	0.63	-0.23	CO 4	
				Max V _y	-9.99	▷ 0.48	0.88	▷ 0.00	0.63	-0.23	CO 8	
				Min V _y	-2.00	▷ 0.17	0.39	▷ 0.00	0.33	-0.08	CO 9	
				Max V _z	-10.07	▷ 0.48	▷ 0.88	▷ 0.00	0.63	-0.23	CO 6	
				Min V _z	-1.88	▷ 0.18	▷ 0.39	▷ 0.00	0.32	-0.08	CO 13	
				Max M _T	-1.99	▷ 0.18	0.40	▷ 0.00	0.33	-0.08	CO 12	
				Min M _T	-9.99	▷ 0.48	0.87	▷ 0.00	0.62	-0.23	CO 1	
				Max M _y	-10.11	▷ 0.48	0.88	▷ 0.00	0.63	-0.23	CO 4	
				Min M _y	-1.88	▷ 0.18	0.39	▷ 0.00	0.32	-0.08	CO 13	
				Max M _z	-2.00	▷ 0.17	0.39	▷ 0.00	0.33	▷ -0.08	CO 9	
				Min M _z	-9.99	▷ 0.48	0.88	▷ 0.00	0.63	▷ -0.23	CO 8	
	RC2	85	0.000	Max N	▷ -1.08	▷ 0.12	0.28	▷ 0.00	-0.19	0.13	CO 27	
				Min N	-7.17	▷ 0.33	0.64	▷ 0.00	-0.50	0.35	CO 18	
				Max V _y	-7.08	▷ 0.34	0.64	▷ 0.00	-0.50	0.35	CO 22	
				Min V _y	-1.16	▷ 0.12	0.28	▷ 0.00	-0.18	0.13	CO 23	
				Max V _z	-7.14	▷ 0.34	▷ 0.64	▷ 0.00	-0.50	0.35	CO 20	
				Min V _z	-1.08	▷ 0.12	▷ 0.28	▷ 0.00	-0.19	0.13	CO 27	
				Max M _T	-7.14	▷ 0.34	▷ 0.64	▷ 0.00	-0.50	0.35	CO 20	
				Min M _T	-1.16	▷ 0.12	0.28	▷ 0.00	-0.18	0.13	CO 23	
				Max M _y	-1.16	▷ 0.12	0.28	▷ 0.00	-0.18	0.13	CO 23	
				Min M _y	-7.08	▷ 0.34	0.64	▷ 0.00	-0.50	0.35	CO 22	
				Max M _z	-7.08	▷ 0.34	0.64	▷ 0.00	-0.50	0.35	CO 22	
				Min M _z	-1.16	▷ 0.12	0.28	▷ 0.00	-0.18	▷ 0.13	CO 23	
		177	1.500	Max N	▷ -1.18	▷ 0.12	0.28	▷ 0.00	0.23	-0.05	CO 27	
				Min N	-7.28	▷ 0.34	0.64	▷ 0.00	0.46	-0.16	CO 18	
				Max V _y	-7.19	▷ 0.35	0.64	▷ 0.00	0.46	-0.17	CO 22	
				Min V _y	-1.27	▷ 0.12	0.28	▷ 0.00	0.23	-0.05	CO 23	
				Max V _z	-7.25	▷ 0.35	▷ 0.64	▷ 0.00	0.46	-0.17	CO 20	
				Min V _z	-1.18	▷ 0.12	▷ 0.28	▷ 0.00	0.23	-0.05	CO 27	
				Max M _T	-1.27	▷ 0.12	0.28	▷ 0.00	0.24	-0.05	CO 26	
				Min M _T	-7.20	▷ 0.34	0.63	▷ 0.00	0.45	-0.17	CO 15	
				Max M _y	-7.28	▷ 0.34	0.64	▷ 0.00	0.46	-0.16	CO 18	
				Min M _y	-1.18	▷ 0.12	0.28	▷ 0.00	0.23	-0.05	CO 27	
	RC6	85	0.000	Max M _z	-1.27	▷ 0.12	0.28	▷ 0.00	0.23	▷ -0.05	CO 23	
				Min M _z	-7.19	▷ 0.35	0.64	▷ 0.00	0.46	▷ -0.17	CO 22	
				Max N	-2.49	▷ 0.19	0.42	▷ 0.00	-0.32	0.21	LC 1-5	
				Min N	-7.22	▷ 0.34	0.73	▷ 0.00	-0.50	0.34	LC 1-4	
				Max V _y	-6.59	▷ 0.36	0.66	▷ 0.00	-0.48	0.35	LC 1-5	
				Min V _y	-3.12	▷ 0.17	0.49	▷ 0.00	-0.33	0.20	LC 1-4	
				Max V _z	-6.60	▷ 0.28	▷ 0.80	▷ 0.00	-0.50	0.30	LC 1-4	
				Min V _z	-3.11	▷ 0.25	▷ 0.35	▷ 0.00	-0.31	0.25	LC 1-5	
				Max M _T	-4.84	▷ 0.27	0.62	▷ 0.00	-0.44	0.28	LC 1-5	
				Min M _T	-4.87	▷ 0.26	0.53	▷ -0.00	-0.38	0.27	LC 1-4	
				Max M _y	-2.81	▷ 0.19	0.41	▷ 0.00	-0.31	0.21	LC 1-4	
				Min M _y	-6.90	▷ 0.34	0.74	▷ 0.00	-0.51	0.34	LC 1-5	
		Max M _z	-6.74	▷ 0.35	0.69	▷ 0.00	-0.49	0.35	LC 1-5			
		177	1.500	Min M _z	-2.98	▷ 0.18	0.46	▷ 0.00	-0.32	▷ 0.20	LC 1-4	
				Max N	-2.60	▷ 0.19	0.42	▷ 0.00	0.31	-0.07	LC 1-5	
				Min N	-7.33	▷ 0.34	0.73	▷ 0.00	0.60	-0.17	LC 1-4	
				Max V _y	-6.70	▷ 0.36	0.66	▷ 0.00	0.51	-0.18	LC 1-5	
				Min V _y	-3.23	▷ 0.17	0.49	▷ 0.00	0.40	-0.06	LC 1-4	
				Max V _z	-6.71	▷ 0.28	▷ 0.80	▷ 0.00	0.70	-0.11	LC 1-4	
				Min V _z	-3.22	▷ 0.25	▷ 0.35	▷ 0.00	0.22	-0.13	LC 1-5	
				Max M _T	-4.95	▷ 0.27	0.62	▷ 0.00	0.49	-0.12	LC 1-5	
				Min M _T	-4.98	▷ 0.26	0.53	▷ -0.00	0.42	-0.12	LC 1-4	
	Max M _y			-6.71	▷ 0.27	0.80	▷ 0.00	0.70	-0.11	LC 1-4		
	110	Section No. 10: T-Rectangle 70/140										
		RC1	88	0.000 Left	Max N	▷ -2.11	-0.00	-0.19	-0.00	-0.08	-0.00	CO 13
					Min N	-10.44	0.00	-2.47	0.00	0.86	0.00	CO 4
Max V _y					-10.43	▷ 0.00	-2.47	0.00	0.86	0.00	CO 8	
Min V _y					-2.13	▷ -0.00	-0.19	-0.00	-0.08	-0.00	CO 10	
Max V _z					-2.11	-0.00	▷ -0.19	-0.00	-0.08	-0.00	CO 13	
Min V _z					-10.44	0.00	▷ -2.47	0.00	0.86	0.00	CO 4	
Max M _T					-10.43	0.00	-2.47	▷ 0.00	0.86	0.00	CO 8	
Min M _T					-2.13	-0.00	-0.19	▷ -0.00	-0.08	-0.00	CO 9	
Max M _y					-10.44	0.00	-2.47	▷ 0.00	0.86	0.00	CO 4	
Min M _y					-2.11	-0.00	-0.19	▷ -0.00	-0.08	-0.00	CO 13	
Max M _z					-10.42	0.00	-2.47	▷ 0.00	0.86	▷ 0.00	CO 7	
Min M _z					-2.13	-0.00	-0.19	-0.00	-0.08	-0.00	CO 10	
0.000 Right				Max N	▷ -2.11	-0.00	-0.19	-0.00	-0.08	-0.00	CO 13	
				Min N	-10.44	0.00	-2.47	0.00	0.86	0.00	CO 4	
				Max V _y	-10.43	▷ 0.00	-2.47	0.00	0.86	0.00	CO 8	
				Min V _y	-2.13	▷ -0.00	-0.19	-0.00	-0.08	-0.00	CO 10	
				Max V _z	-2.11	-0.00	▷ -0.19	-0.00	-0.08	-0.00	CO 13	
				Min V _z	-10.44	0.00	▷ -2.47	0.00	0.86	0.00	CO 4	
				Max M _T	-10.43	0.00	-2.47	▷ 0.00	0.86	0.00	CO 8	
				Min M _T	-2.13	-0.00	-0.19	▷ -0.00	-0.08	-0.00	CO 9	
				Max M _y	-10.44	0.00	-2.47	▷ 0.00	0.86	0.00	CO 4	

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
110	RC1				Min M _y	-2.11	-0.00	-0.19	-0.00	-0.08	CO 13
					Max M _z	-10.42	0.00	-2.47	0.00	0.86	CO 7
					Min M _z	-2.13	-0.00	-0.19	-0.00	-0.08	CO 10
					Max N	-1.73	-0.00	0.55	-0.00	0.32	CO 13
					Min N	-10.05	0.00	2.51	0.00	0.92	CO 4
					Max V _y	-10.04	0.00	2.51	0.00	0.92	CO 7
					Min V _y	-1.74	-0.00	0.55	-0.00	0.32	CO 10
					Max V _z	-10.04	0.00	2.51	0.00	0.92	CO 7
					Min V _z	-1.74	-0.00	0.55	-0.00	0.32	CO 10
					Max M _T	-10.04	0.00	2.51	0.00	0.92	CO 8
					Min M _T	-1.74	-0.00	0.55	-0.00	0.32	CO 9
					Max M _y	-10.04	0.00	2.51	0.00	0.92	CO 7
					Min M _y	-1.74	-0.00	0.55	-0.00	0.32	CO 10
					Max M _z	-1.74	-0.00	0.55	-0.00	0.32	CO 9
					Min M _z	-10.04	0.00	2.51	0.00	0.92	CO 8
					Max N	-1.73	-0.00	0.55	-0.00	0.32	CO 13
					Min N	-10.05	0.00	2.51	0.00	0.92	CO 4
					Max V _y	-10.04	0.00	2.51	0.00	0.92	CO 7
					Min V _y	-1.74	-0.00	0.55	-0.00	0.32	CO 10
					Max V _z	-10.04	0.00	2.51	0.00	0.92	CO 7
					Min V _z	-1.74	-0.00	0.55	-0.00	0.32	CO 10
					Max M _T	-10.04	0.00	2.51	0.00	0.92	CO 8
					Min M _T	-1.74	-0.00	0.55	-0.00	0.32	CO 9
					Max M _y	-10.04	0.00	2.51	0.00	0.92	CO 7
					Min M _y	-1.74	-0.00	0.55	-0.00	0.32	CO 10
					Max M _z	-1.74	-0.00	0.55	-0.00	0.32	CO 9
					Min M _z	-10.04	0.00	2.51	0.00	0.92	CO 8
	RC2	88	0.000	Left	Max N	-1.41	-0.00	-0.13	-0.00	-0.05	CO 27
					Min N	-7.59	0.00	-1.82	0.00	0.64	CO 18
					Max V _y	-7.58	0.00	-1.82	0.00	0.64	CO 22
					Min V _y	-1.43	-0.00	-0.13	-0.00	-0.05	CO 24
					Max V _z	-1.41	-0.00	-0.13	-0.00	-0.05	CO 27
					Min V _z	-7.59	0.00	-1.82	0.00	0.64	CO 18
					Max M _T	-7.58	0.00	-1.82	0.00	0.64	CO 22
					Min M _T	-1.42	-0.00	-0.13	-0.00	-0.05	CO 23
					Max M _y	-7.59	0.00	-1.82	0.00	0.64	CO 18
					Min M _y	-1.41	-0.00	-0.13	-0.00	-0.05	CO 27
					Max M _z	-7.57	0.00	-1.82	0.00	0.64	CO 21
					Min M _z	-1.43	-0.00	-0.13	-0.00	-0.05	CO 24
					Max N	-1.41	-0.00	-0.13	-0.00	-0.05	CO 27
					Min N	-7.59	0.00	-1.82	0.00	0.64	CO 18
					Max V _y	-7.58	0.00	-1.82	0.00	0.64	CO 22
					Min V _y	-1.43	-0.00	-0.13	-0.00	-0.05	CO 24
					Max V _z	-1.41	-0.00	-0.13	-0.00	-0.05	CO 27
					Min V _z	-7.59	0.00	-1.82	0.00	0.64	CO 18
					Max M _T	-7.58	0.00	-1.82	0.00	0.64	CO 22
					Min M _T	-1.42	-0.00	-0.13	-0.00	-0.05	CO 23
					Max M _y	-7.59	0.00	-1.82	0.00	0.64	CO 18
					Min M _y	-1.41	-0.00	-0.13	-0.00	-0.05	CO 27
					Max M _z	-7.57	0.00	-1.82	0.00	0.64	CO 21
					Min M _z	-1.43	-0.00	-0.13	-0.00	-0.05	CO 24
					Max N	-1.15	-0.00	0.37	-0.00	0.21	CO 27
					Min N	-7.32	0.00	1.82	0.00	0.65	CO 18
					Max V _y	-7.31	0.00	1.82	0.00	0.65	CO 21
					Min V _y	-1.17	-0.00	0.37	-0.00	0.21	CO 24
					Max V _z	-7.31	0.00	1.82	0.00	0.65	CO 21
					Min V _z	-1.17	-0.00	0.37	-0.00	0.21	CO 24
					Max M _T	-7.31	0.00	1.82	0.00	0.65	CO 22
					Min M _T	-1.16	-0.00	0.37	-0.00	0.21	CO 23
					Max M _y	-7.31	0.00	1.82	0.00	0.65	CO 21
					Min M _y	-1.17	-0.00	0.37	-0.00	0.21	CO 24
					Max M _z	-1.16	-0.00	0.37	-0.00	0.21	CO 23
					Min M _z	-7.31	0.00	1.82	0.00	0.65	CO 22
					Max N	-1.15	-0.00	0.37	-0.00	0.21	CO 27
					Min N	-7.32	0.00	1.82	0.00	0.65	CO 18
					Max V _y	-7.31	0.00	1.82	0.00	0.65	CO 21
					Min V _y	-1.17	-0.00	0.37	-0.00	0.21	CO 24
					Max V _z	-7.31	0.00	1.82	0.00	0.65	CO 21
					Min V _z	-1.17	-0.00	0.37	-0.00	0.21	CO 24
					Max M _T	-7.31	0.00	1.82	0.00	0.65	CO 22
					Min M _T	-1.16	-0.00	0.37	-0.00	0.21	CO 23
					Max M _y	-7.31	0.00	1.82	0.00	0.65	CO 21
					Min M _y	-1.17	-0.00	0.37	-0.00	0.21	CO 24
					Max M _z	-1.16	-0.00	0.37	-0.00	0.21	CO 23
					Min M _z	-7.31	0.00	1.82	0.00	0.65	CO 22
RC6	88	0.000	Left	Max N	-3.04	0.02	-2.14	0.00	1.15	0.03	LC 1-5
				Min N	-9.19	-0.02	-1.30	0.00	0.23	-0.02	LC 1-4
				Max V _y	-5.86	1.00	-1.73	0.00	0.70	1.08	LC 1-5
				Min V _y	-6.36	-1.00	-1.71	0.00	0.67	-1.07	LC 1-4
				Max V _z	-8.72	0.02	-1.23	0.00	0.15	0.02	LC 1-5
				Min V _z	-3.51	-0.01	-2.21	0.00	1.22	-0.01	LC 1-4
				Max M _T	-6.81	-0.32	-1.70	0.00	0.66	-0.35	LC 1-4
				Min M _T	-5.42	0.32	-1.74	-0.00	0.71	0.35	LC 1-5
				Max M _y	-3.52	-0.01	-2.21	0.00	1.22	-0.01	LC 1-4
				Min M _y	-8.71	0.01	-1.23	0.00	0.15	0.02	LC 1-5
				Max M _z	-5.86	1.00	-1.73	0.00	0.70	1.08	LC 1-5
				Min M _z	-6.37	-1.00	-1.71	0.00	0.67	-1.07	LC 1-4
				Max N	-3.04	0.02	-2.14	0.00	1.15	0.03	LC 1-5
				Min N	-9.19	-0.02	-1.30	0.00	0.23	-0.02	LC 1-4
				Max V _y	-5.86	1.00	-1.73	0.00	0.70	1.08	LC 1-5
				Min V _y	-6.36	-1.00	-1.71	0.00	0.67	-1.07	LC 1-4
				Max V _z	-8.72	0.02	-1.23	0.00	0.15	0.02	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding				
				N	V _y	V _z	M _T	M _y	M _z	Load Cases						
110	RC6		2.147 Left	Min V _z	-3.51	-0.01	▷	-2.21	0.00	1.22	-0.01	LC 1-4				
				Max M _T	-6.81	-0.32	▷	-1.70	0.00	0.66	-0.35	LC 1-4				
				Min M _T	-5.42	0.32	▷	-1.74	-0.00	0.71	0.35	LC 1-5				
				Max M _y	-3.52	-0.01	▷	-2.21	0.00	1.22	-0.01	LC 1-4				
				Min M _y	-8.71	0.01	▷	-1.23	0.00	0.15	0.02	LC 1-5				
				Max M _z	-5.86	1.00	▷	-1.73	0.00	0.70	1.08	LC 1-5				
				Min M _z	-6.37	-1.00	▷	-1.71	0.00	0.67	-1.07	LC 1-4				
				Max N	-3.01	0.02	▷	1.07	0.00	-0.01	-0.02	LC 1-5				
				Min N	-9.15	-0.02	▷	1.91	0.00	0.90	0.02	LC 1-4				
				Max V _y	-5.83	1.00	▷	1.48	0.00	0.43	-1.07	LC 1-5				
				Min V _y	-6.33	-1.00	▷	1.50	0.00	0.46	1.07	LC 1-4				
				Max V _z	-8.68	0.02	▷	1.98	0.00	0.97	-0.02	LC 1-5				
				Min V _z	-3.47	-0.01	▷	1.00	0.00	-0.08	0.01	LC 1-4				
				Max M _T	-6.77	-0.32	▷	1.51	0.00	0.47	0.34	LC 1-4				
				Min M _T	-5.39	0.32	▷	1.47	-0.00	0.42	-0.34	LC 1-5				
				Max M _y	-8.69	0.02	▷	1.98	0.00	0.97	-0.02	LC 1-5				
				Min M _y	-3.46	-0.01	▷	1.00	0.00	-0.08	0.01	LC 1-4				
				Max M _z	-6.32	-1.00	▷	1.50	0.00	0.46	1.07	LC 1-5				
				Min M _z	-5.84	1.00	▷	1.48	0.00	0.43	-1.07	LC 1-4				
				Max N	-3.01	0.02	▷	1.07	0.00	-0.01	-0.02	LC 1-5				
				Min N	-9.15	-0.02	▷	1.91	0.00	0.90	0.02	LC 1-4				
				Max V _y	-5.83	1.00	▷	1.48	0.00	0.43	-1.07	LC 1-5				
				Min V _y	-6.33	-1.00	▷	1.50	0.00	0.46	1.07	LC 1-4				
				Max V _z	-8.68	0.02	▷	1.98	0.00	0.97	-0.02	LC 1-5				
				Min V _z	-3.47	-0.01	▷	1.00	0.00	-0.08	0.01	LC 1-4				
				Max M _T	-6.77	-0.32	▷	1.51	0.00	0.47	0.34	LC 1-4				
				Min M _T	-5.39	0.32	▷	1.47	-0.00	0.42	-0.34	LC 1-5				
				Max M _y	-8.69	0.02	▷	1.98	0.00	0.97	-0.02	LC 1-5				
				Min M _y	-3.46	-0.01	▷	1.00	0.00	-0.08	0.01	LC 1-4				
				Max M _z	-6.32	-1.00	▷	1.50	0.00	0.46	1.07	LC 1-5				
				Min M _z	-5.84	1.00	▷	1.48	0.00	0.43	-1.07	LC 1-4				
				112	RC1	80	0.000 Left	Max N	-1.36	-0.00	▷	-0.98	0.00	0.50	-0.00	CO 12
								Min N	-9.81	-0.00	▷	-3.14	-0.00	1.33	-0.01	CO 1
								Max V _y	-1.38	-0.00	▷	-0.98	0.00	0.50	-0.00	CO 9
								Min V _y	-9.79	-0.00	▷	-3.14	-0.00	1.33	-0.01	CO 8
								Max V _z	-1.44	-0.00	▷	-0.98	0.00	0.49	-0.00	CO 13
Min V _z	-9.73	-0.00	▷					-3.14	-0.00	1.33	-0.01	CO 4				
Max M _T	-1.37	-0.00	▷					-0.98	0.00	0.50	-0.00	CO 10				
Min M _T	-9.80	-0.00	▷					-3.14	-0.00	1.33	-0.01	CO 7				
Max M _y	-9.73	-0.00	▷					-3.14	-0.00	1.33	-0.01	CO 4				
Min M _y	-1.44	-0.00	▷					-0.98	0.00	0.49	-0.00	CO 13				
Max M _z	-1.38	-0.00	▷					-0.98	0.00	0.50	-0.00	CO 9				
Min M _z	-9.79	-0.00	▷					-3.14	-0.00	1.33	-0.01	CO 8				
Max N	-1.36	-0.00	▷					-0.98	0.00	0.50	-0.00	CO 12				
Min N	-9.81	-0.00	▷					-3.14	-0.00	1.33	-0.01	CO 1				
Max V _y	-1.38	-0.00	▷					-0.98	0.00	0.50	-0.00	CO 9				
Min V _y	-9.79	-0.00	▷					-3.14	-0.00	1.33	-0.01	CO 8				
Max V _z	-1.44	-0.00	▷					-0.98	0.00	0.49	-0.00	CO 13				
Min V _z	-9.73	-0.00	▷					-3.14	-0.00	1.33	-0.01	CO 4				
Max M _T	-1.37	-0.00	▷					-0.98	0.00	0.50	-0.00	CO 10				
Min M _T	-9.80	-0.00	▷					-3.14	-0.00	1.33	-0.01	CO 7				
Max M _y	-9.73	-0.00	▷					-3.14	-0.00	1.33	-0.01	CO 4				
Min M _y	-1.44	-0.00	▷					-0.98	0.00	0.49	-0.00	CO 13				
Max M _z	-1.38	-0.00	▷					-0.98	0.00	0.50	-0.00	CO 9				
Min M _z	-9.79	-0.00	▷					-3.14	-0.00	1.33	-0.01	CO 8				
174	2.107 Right	Max N	-0.54				-0.00	▷	0.53	0.00	0.03	0.00	CO 12			
		Min N	-9.00				-0.00	▷	2.54	-0.00	0.68	0.00	CO 1			
		Max V _y	-0.57				-0.00	▷	0.54	0.00	0.03	0.00	CO 9			
		Min V _y	-8.98				-0.00	▷	2.54	-0.00	0.68	0.00	CO 7			
		Max V _z	-8.98				-0.00	▷	2.54	-0.00	0.68	0.00	CO 7			
		Min V _z	-0.56				-0.00	▷	0.53	0.00	0.03	0.00	CO 10			
		Max M _T	-0.56				-0.00	▷	0.53	0.00	0.03	0.00	CO 10			
		Min M _T	-8.98				-0.00	▷	2.54	-0.00	0.68	0.00	CO 7			
		Max M _y	-8.98				-0.00	▷	2.54	-0.00	0.68	0.00	CO 7			
		Min M _y	-0.56				-0.00	▷	0.53	0.00	0.03	0.00	CO 10			
		Max M _z	-8.98				-0.00	▷	2.54	-0.00	0.68	0.00	CO 7			
		Min M _z	-0.56				-0.00	▷	0.53	0.00	0.03	0.00	CO 10			
		Max N	-0.54				-0.00	▷	0.53	0.00	0.03	0.00	CO 12			
		Min N	-9.00				-0.00	▷	2.54	-0.00	0.68	0.00	CO 1			
		Max V _y	-0.57				-0.00	▷	0.54	0.00	0.03	0.00	CO 9			
		Min V _y	-8.98				-0.00	▷	2.54	-0.00	0.68	0.00	CO 7			
		Max V _z	-8.98				-0.00	▷	2.54	-0.00	0.68	0.00	CO 7			
		Min V _z	-0.56				-0.00	▷	0.53	0.00	0.03	0.00	CO 10			
		Max M _T	-0.56				-0.00	▷	0.53	0.00	0.03	0.00	CO 10			
		Min M _T	-8.98				-0.00	▷	2.54	-0.00	0.68	0.00	CO 7			
		Max M _y	-8.98				-0.00	▷	2.54	-0.00	0.68	0.00	CO 7			
		Min M _y	-0.56				-0.00	▷	0.53	0.00	0.03	0.00	CO 10			
		Max M _z	-8.98				-0.00	▷	2.54	-0.00	0.68	0.00	CO 7			
		Min M _z	-0.56				-0.00	▷	0.53	0.00	0.03	0.00	CO 10			
		80	0.000 Left				Max N	-0.87	-0.00	▷	-0.65	0.00	0.33	-0.00	CO 26	
Min N	-7.13			-0.00	▷	-2.26	-0.00	0.94	-0.00	CO 15						
Max V _y	-0.88			-0.00	▷	-0.65	0.00	0.33	-0.00	CO 23						
Min V _y	-7.11			-0.00	▷	-2.26	-0.00	0.94	-0.00	CO 22						
Max V _z	-0.93			-0.00	▷	-0.65	0.00	0.33	-0.00	CO 27						
Min V _z	-7.07			-0.00	▷	-2.26	-0.00	0.94	-0.00	CO 18						
Max M _T	-0.88			-0.00	▷	-0.65	0.00	0.33	-0.00	CO 24						
Min M _T	-7.12			-0.00	▷	-2.26	-0.00	0.94	-0.00	CO 21						
Max M _y	-7.07			-0.00	▷	-2.26	-0.00	0.94	-0.00	CO 18						
Min M _y	-0.93			-0.00	▷	-0.65	0.00	0.33	-0.00	CO 27						
Max M _z	-0.88			-0.00	▷	-0.65	0.00	0.33	-0.00	CO 23						
Min M _z	-7.11			-0.00	▷	-2.26	-0.00	0.94	-0.00	CO 22						
Max N	-0.87			-0.00	▷	-0.65	0.00	0.33	-0.00	CO 26						

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
112	RC2		Right	Min N	-7.13	-0.00	-2.26	-0.00	0.94	-0.00	CO 15
				Max V _y	-0.88	-0.00	-0.65	0.00	0.33	-0.00	CO 23
				Min V _y	-7.11	-0.00	-2.26	-0.00	0.94	-0.00	CO 22
				Max V _z	-0.93	-0.00	-0.65	0.00	0.33	-0.00	CO 27
				Min V _z	-7.07	-0.00	-2.26	-0.00	0.94	-0.00	CO 18
				Max M _T	-0.88	-0.00	-0.65	0.00	0.33	-0.00	CO 24
				Min M _T	-7.12	-0.00	-2.26	-0.00	0.94	-0.00	CO 21
				Max M _y	-7.07	-0.00	-2.26	-0.00	0.94	-0.00	CO 18
				Min M _y	-0.93	-0.00	-0.65	0.00	0.33	-0.00	CO 27
				Max M _z	-0.88	-0.00	-0.65	0.00	0.33	-0.00	CO 23
				Min M _z	-7.11	-0.00	-2.26	-0.00	0.94	-0.00	CO 22
			2.107 Left	Max N	-0.32	-0.00	0.36	0.00	0.02	0.00	CO 26
				Min N	-6.58	-0.00	1.85	-0.00	0.50	0.00	CO 15
				Max V _y	-0.34	-0.00	0.36	0.00	0.02	0.00	CO 23
				Min V _y	-6.57	-0.00	1.85	-0.00	0.50	0.00	CO 22
				Max V _z	-6.57	-0.00	1.85	-0.00	0.50	0.00	CO 21
				Min V _z	-0.33	-0.00	0.36	0.00	0.02	0.00	CO 24
				Max M _T	-0.33	-0.00	0.36	0.00	0.02	0.00	CO 24
				Min M _T	-6.57	-0.00	1.85	-0.00	0.50	0.00	CO 21
				Max M _y	-6.57	-0.00	1.85	-0.00	0.50	0.00	CO 21
				Min M _y	-0.33	-0.00	0.36	0.00	0.02	0.00	CO 24
				Max M _z	-6.57	-0.00	1.85	-0.00	0.50	0.00	CO 21
				Min M _z	-0.33	-0.00	0.36	0.00	0.02	0.00	CO 24
		174	2.107 Right	Max N	-0.32	-0.00	0.36	0.00	0.02	0.00	CO 26
				Min N	-6.58	-0.00	1.85	-0.00	0.50	0.00	CO 15
				Max V _y	-0.34	-0.00	0.36	0.00	0.02	0.00	CO 23
				Min V _y	-6.57	-0.00	1.85	-0.00	0.50	0.00	CO 22
				Max V _z	-6.57	-0.00	1.85	-0.00	0.50	0.00	CO 21
				Min V _z	-0.33	-0.00	0.36	0.00	0.02	0.00	CO 24
				Max M _T	-0.33	-0.00	0.36	0.00	0.02	0.00	CO 24
				Min M _T	-6.57	-0.00	1.85	-0.00	0.50	0.00	CO 21
				Max M _y	-6.57	-0.00	1.85	-0.00	0.50	0.00	CO 21
				Min M _y	-0.33	-0.00	0.36	0.00	0.02	0.00	CO 24
				Max M _z	-6.57	-0.00	1.85	-0.00	0.50	0.00	CO 21
				Min M _z	-0.33	-0.00	0.36	0.00	0.02	0.00	CO 24
	RC6	80	0.000 Left	Max N	-1.77	-0.22	-1.91	-0.00	0.89	-0.24	LC 1-5
				Min N	-9.13	0.22	-1.34	-0.00	0.30	0.23	LC 1-4
				Max V _y	-6.11	1.02	-1.62	-0.00	0.59	1.07	LC 1-4
				Min V _y	-4.79	-1.02	-1.62	-0.00	0.59	-1.08	LC 1-5
				Max V _z	-7.67	0.02	-1.12	-0.00	0.06	0.02	LC 1-5
				Min V _z	-3.22	-0.03	-2.13	-0.00	1.13	-0.03	LC 1-4
				Max M _T	-6.87	0.01	-1.58	0.00	0.55	0.01	LC 1-4
				Min M _T	-4.03	-0.02	-1.67	-0.00	0.63	-0.02	LC 1-5
				Max M _y	-3.24	-0.03	-2.13	-0.00	1.13	-0.03	LC 1-4
				Min M _y	-7.66	0.02	-1.12	-0.00	0.06	0.02	LC 1-5
				Max M _z	-6.10	1.02	-1.62	-0.00	0.59	1.07	LC 1-4
				Min M _z	-4.79	-1.02	-1.62	-0.00	0.59	-1.08	LC 1-5
			0.000 Right	Max N	-1.77	-0.22	-1.91	-0.00	0.89	-0.24	LC 1-5
				Min N	-9.13	0.22	-1.34	-0.00	0.30	0.23	LC 1-4
				Max V _y	-6.11	1.02	-1.62	-0.00	0.59	1.07	LC 1-4
				Min V _y	-4.79	-1.02	-1.62	-0.00	0.59	-1.08	LC 1-5
				Max V _z	-7.67	0.02	-1.12	-0.00	0.06	0.02	LC 1-5
				Min V _z	-3.22	-0.03	-2.13	-0.00	1.13	-0.03	LC 1-4
				Max M _T	-6.87	0.01	-1.58	0.00	0.55	0.01	LC 1-4
				Min M _T	-4.03	-0.02	-1.67	-0.00	0.63	-0.02	LC 1-5
				Max M _y	-3.24	-0.03	-2.13	-0.00	1.13	-0.03	LC 1-4
				Min M _y	-7.66	0.02	-1.12	-0.00	0.06	0.02	LC 1-5
				Max M _z	-6.10	1.02	-1.62	-0.00	0.59	1.07	LC 1-4
				Min M _z	-4.79	-1.02	-1.62	-0.00	0.59	-1.08	LC 1-5
		174	2.107 Left	Max N	-1.73	-0.22	1.25	-0.00	0.20	0.24	LC 1-5
				Min N	-9.09	0.22	1.81	-0.00	0.80	-0.23	LC 1-4
				Max V _y	-6.07	1.02	1.53	-0.00	0.50	-1.07	LC 1-4
				Min V _y	-4.75	-1.02	1.53	-0.00	0.50	1.07	LC 1-5
				Max V _z	-7.64	0.02	2.03	-0.00	1.03	-0.02	LC 1-5
				Min V _z	-3.19	-0.03	1.03	-0.00	-0.03	0.03	LC 1-4
				Max M _T	-6.83	0.01	1.58	0.00	0.55	-0.02	LC 1-4
				Min M _T	-4.00	-0.02	1.49	-0.00	0.45	0.02	LC 1-5
				Max M _y	-7.80	0.02	2.03	-0.00	1.03	-0.02	LC 1-4
				Min M _y	-3.02	-0.02	1.03	-0.00	-0.03	0.02	LC 1-5
				Max M _z	-4.75	-1.02	1.53	-0.00	0.50	1.07	LC 1-5
				Min M _z	-6.08	1.02	1.53	-0.00	0.50	-1.07	LC 1-4
			2.107 Right	Max N	-1.73	-0.22	1.25	-0.00	0.20	0.24	LC 1-5
				Min N	-9.09	0.22	1.81	-0.00	0.80	-0.23	LC 1-4
				Max V _y	-6.07	1.02	1.53	-0.00	0.50	-1.07	LC 1-4
				Min V _y	-4.75	-1.02	1.53	-0.00	0.50	1.07	LC 1-5
				Max V _z	-7.64	0.02	2.03	-0.00	1.03	-0.02	LC 1-5
				Min V _z	-3.19	-0.03	1.03	-0.00	-0.03	0.03	LC 1-4
				Max M _T	-6.83	0.01	1.58	0.00	0.55	-0.02	LC 1-4
				Min M _T	-4.00	-0.02	1.49	-0.00	0.45	0.02	LC 1-5
				Max M _y	-7.80	0.02	2.03	-0.00	1.03	-0.02	LC 1-4
				Min M _y	-3.02	-0.02	1.03	-0.00	-0.03	0.02	LC 1-5
				Max M _z	-4.75	-1.02	1.53	-0.00	0.50	1.07	LC 1-5
				Min M _z	-6.08	1.02	1.53	-0.00	0.50	-1.07	LC 1-4
116	RC1	21	0.000 Left	Max N	-3.08	-0.01	-0.71	0.00	0.20	-0.01	CO 9
				Min N	-9.04	-0.02	-1.94	-0.00	0.57	-0.03	CO 8
				Max V _y	-3.10	-0.01	-0.71	-0.00	0.20	-0.01	CO 12
				Min V _y	-9.01	-0.02	-1.94	-0.00	0.57	-0.03	CO 1
				Max V _z	-3.08	-0.01	-0.71	0.00	0.20	-0.01	CO 9
				Min V _z	-9.02	-0.02	-1.94	-0.00	0.57	-0.03	CO 6
				Max M _T	-3.11	-0.01	-0.71	0.00	0.20	-0.01	CO 13
				Min M _T	-9.01	-0.02	-1.94	-0.00	0.57	-0.03	CO 4
				Max M _y	-9.02	-0.02	-1.94	-0.00	0.57	-0.03	CO 6



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
116	RC1	29	0.000 Right	Min M _y	-3.08	-0.01	-0.71	0.00	0.20	-0.01	CO 9
				Max M _z	-3.10	-0.01	-0.71	-0.00	0.20	-0.01	CO 12
				Min M _z	-9.01	-0.02	-1.94	-0.00	0.57	-0.03	CO 1
				Max N	-3.08	-0.01	-0.71	0.00	0.20	-0.01	CO 9
				Min N	-9.04	-0.02	-1.94	-0.00	0.57	-0.03	CO 8
				Max V _y	-3.10	-0.01	-0.71	-0.00	0.20	-0.01	CO 12
				Min V _y	-9.01	-0.02	-1.94	-0.00	0.57	-0.03	CO 1
				Max V _z	-3.08	-0.01	-0.71	0.00	0.20	-0.01	CO 9
				Min V _z	-9.02	-0.02	-1.94	-0.00	0.57	-0.03	CO 6
				Max M _T	-3.11	-0.01	-0.71	0.00	0.20	-0.01	CO 13
				Min M _T	-9.01	-0.02	-1.94	-0.00	0.57	-0.03	CO 4
				Max M _y	-9.02	-0.02	-1.94	-0.00	0.57	-0.03	CO 6
				Min M _y	-3.08	-0.01	-0.71	0.00	0.20	-0.01	CO 9
				Max M _z	-3.10	-0.01	-0.71	-0.00	0.20	-0.01	CO 12
				Min M _z	-9.01	-0.02	-1.94	-0.00	0.57	-0.03	CO 1
				Max N	-3.15	-0.01	-0.58	-0.00	0.08	-0.01	CO 9
				Min N	-9.11	-0.02	-1.73	-0.00	0.23	-0.03	CO 8
				Max V _y	-3.17	-0.01	-0.58	-0.00	0.08	-0.01	CO 12
				Min V _y	-9.08	-0.02	-1.73	-0.00	0.23	-0.03	CO 1
				Max V _z	-3.15	-0.01	-0.58	-0.00	0.08	-0.01	CO 9
				Min V _z	-9.09	-0.02	-1.73	-0.00	0.23	-0.03	CO 6
				Max M _T	-3.18	-0.01	-0.58	0.00	0.08	-0.01	CO 13
				Min M _T	-9.08	-0.02	-1.73	-0.00	0.23	-0.03	CO 4
				Max M _y	-9.09	-0.02	-1.73	-0.00	0.23	-0.03	CO 6
				Min M _y	-3.15	-0.01	-0.58	-0.00	0.08	-0.01	CO 9
				Max M _z	-3.17	-0.01	-0.58	-0.00	0.08	-0.01	CO 12
				Min M _z	-9.08	-0.02	-1.73	-0.00	0.23	-0.03	CO 1
				Max N	-3.15	-0.01	-0.58	-0.00	0.08	-0.01	CO 9
				Min N	-9.11	-0.02	-1.73	-0.00	0.23	-0.03	CO 8
				Max V _y	-3.17	-0.01	-0.58	-0.00	0.08	-0.01	CO 12
				Min V _y	-9.08	-0.02	-1.73	-0.00	0.23	-0.03	CO 1
				Max V _z	-3.15	-0.01	-0.58	-0.00	0.08	-0.01	CO 9
				Min V _z	-9.09	-0.02	-1.73	-0.00	0.23	-0.03	CO 6
				Max M _T	-3.18	-0.01	-0.58	0.00	0.08	-0.01	CO 13
				Min M _T	-9.08	-0.02	-1.73	-0.00	0.23	-0.03	CO 4
				Max M _y	-9.09	-0.02	-1.73	-0.00	0.23	-0.03	CO 6
				Min M _y	-3.15	-0.01	-0.58	-0.00	0.08	-0.01	CO 9
				Max M _z	-3.17	-0.01	-0.58	-0.00	0.08	-0.01	CO 12
				Min M _z	-9.08	-0.02	-1.73	-0.00	0.23	-0.03	CO 1
				Max N	-3.56	-0.01	0.19	-0.00	-0.13	0.00	CO 9
				Min N	-9.51	-0.03	0.66	-0.00	-0.43	0.00	CO 8
				Max V _y	-3.58	-0.01	0.19	-0.00	-0.13	0.00	CO 12
				Min V _y	-9.49	-0.03	0.66	-0.00	-0.42	0.00	CO 1
				Max V _z	-9.49	-0.03	0.66	-0.00	-0.42	0.00	CO 1
				Min V _z	-3.58	-0.01	0.19	-0.00	-0.13	0.00	CO 12
				Max M _T	-3.59	-0.01	0.19	0.00	-0.13	0.00	CO 13
				Min M _T	-9.48	-0.03	0.66	-0.00	-0.43	0.00	CO 4
				Max M _y	-3.57	-0.01	0.19	0.00	-0.13	0.00	CO 11
				Min M _y	-9.50	-0.03	0.66	-0.00	-0.43	0.00	CO 2
				Max M _z	-9.50	-0.03	0.66	-0.00	-0.42	0.00	CO 7
				Min M _z	-3.56	-0.01	0.19	-0.00	-0.13	0.00	CO 10
				Max N	-3.56	-0.01	0.19	-0.00	-0.13	0.00	CO 9
				Min N	-9.51	-0.03	0.66	-0.00	-0.43	0.00	CO 8
				Max V _y	-3.58	-0.01	0.19	-0.00	-0.13	0.00	CO 12
				Min V _y	-9.49	-0.03	0.66	-0.00	-0.42	0.00	CO 1
				Max V _z	-9.49	-0.03	0.66	-0.00	-0.42	0.00	CO 1
				Min V _z	-3.58	-0.01	0.19	-0.00	-0.13	0.00	CO 12
				Max M _T	-3.59	-0.01	0.19	0.00	-0.13	0.00	CO 13
				Min M _T	-9.48	-0.03	0.66	-0.00	-0.43	0.00	CO 4
				Max M _y	-3.57	-0.01	0.19	0.00	-0.13	0.00	CO 11
				Min M _y	-9.50	-0.03	0.66	-0.00	-0.43	0.00	CO 2
				Max M _z	-9.50	-0.03	0.66	-0.00	-0.42	0.00	CO 7
				Min M _z	-3.56	-0.01	0.19	-0.00	-0.13	0.00	CO 10
				Max N	-3.89	-0.01	0.81	-0.00	0.31	0.01	CO 9
				Min N	-9.85	-0.02	3.00	-0.00	1.19	0.03	CO 8
				Max V _y	-3.92	-0.01	0.81	-0.00	0.31	0.01	CO 12
				Min V _y	-9.83	-0.02	3.00	-0.00	1.19	0.03	CO 1
				Max V _z	-9.83	-0.02	3.00	-0.00	1.19	0.03	CO 1
				Min V _z	-3.92	-0.01	0.81	-0.00	0.31	0.01	CO 12
				Max M _T	-3.92	-0.01	0.81	0.00	0.31	0.01	CO 13
				Min M _T	-9.82	-0.02	3.00	-0.00	1.19	0.03	CO 4
				Max M _y	-9.83	-0.02	3.00	-0.00	1.19	0.03	CO 1
				Min M _y	-3.92	-0.01	0.81	-0.00	0.31	0.01	CO 12
				Max M _z	-9.83	-0.02	3.00	-0.00	1.19	0.03	CO 1
				Min M _z	-3.92	-0.01	0.81	-0.00	0.31	0.01	CO 12
				Max N	-3.89	-0.01	0.81	-0.00	0.31	0.01	CO 9
				Min N	-9.85	-0.02	3.00	-0.00	1.19	0.03	CO 8
				Max V _y	-3.92	-0.01	0.81	-0.00	0.31	0.01	CO 12
				Min V _y	-9.83	-0.02	3.00	-0.00	1.19	0.03	CO 1
				Max V _z	-9.83	-0.02	3.00	-0.00	1.19	0.03	CO 1
				Min V _z	-3.92	-0.01	0.81	-0.00	0.31	0.01	CO 12
				Max M _T	-3.92	-0.01	0.81	0.00	0.31	0.01	CO 13
				Min M _T	-9.82	-0.02	3.00	-0.00	1.19	0.03	CO 4
				Max M _y	-9.83	-0.02	3.00	-0.00	1.19	0.03	CO 1
				Min M _y	-3.92	-0.01	0.81	-0.00	0.31	0.01	CO 12
				Max M _z	-9.83	-0.02	3.00	-0.00	1.19	0.03	CO 1
				Min M _z	-3.92	-0.01	0.81	-0.00	0.31	0.01	CO 12
	RC2	21	0.000 Left	Max N	-2.12	-0.00	-0.48	0.00	0.13	-0.01	CO 23
				Min N	-6.52	-0.02	-1.39	-0.00	0.41	-0.02	CO 22
				Max V _y	-2.13	-0.00	-0.48	0.00	0.14	-0.01	CO 26
				Min V _y	-6.50	-0.02	-1.39	-0.00	0.41	-0.02	CO 15
				Max V _z	-2.12	-0.00	-0.48	0.00	0.13	-0.01	CO 23



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
116	RC2			Min V _z	-6.51	-0.02	▷	-1.39	-0.00	0.41	-0.02	CO 20
				Max M _T	-2.14	-0.00		-0.48	0.00	0.13	-0.01	CO 27
				Min M _T	-6.50	-0.02	▷	-1.39	-0.00	0.41	-0.02	CO 18
				Max M _y	-6.51	-0.02		-1.39	-0.00	0.41	-0.02	CO 20
				Min M _y	-2.12	-0.00		-0.48	0.00	0.13	-0.01	CO 23
				Max M _z	-2.13	-0.00		-0.48	0.00	0.14	-0.01	CO 26
				Min M _z	-6.50	-0.02		-1.39	-0.00	0.41	-0.02	CO 15
				Max N	-2.12	-0.00		-0.48	0.00	0.13	-0.01	CO 23
				Min N	-6.52	-0.02	▷	-1.39	-0.00	0.41	-0.02	CO 22
				Max V _y	-2.13	-0.00	▷	-0.48	0.00	0.14	-0.01	CO 26
				Min V _y	-6.50	-0.02	▷	-1.39	-0.00	0.41	-0.02	CO 15
				Max V _z	-2.12	-0.00		-0.48	0.00	0.13	-0.01	CO 23
				Min V _z	-6.51	-0.02	▷	-1.39	-0.00	0.41	-0.02	CO 20
				Max M _T	-2.14	-0.00		-0.48	0.00	0.13	-0.01	CO 27
				Min M _T	-6.50	-0.02	▷	-1.39	-0.00	0.41	-0.02	CO 18
				Max M _y	-6.51	-0.02		-1.39	-0.00	0.41	-0.02	CO 20
				Min M _y	-2.12	-0.00		-0.48	0.00	0.13	-0.01	CO 23
				Max M _z	-2.13	-0.00		-0.48	0.00	0.14	-0.01	CO 26
				Min M _z	-6.50	-0.02		-1.39	-0.00	0.41	-0.02	CO 15
				Max N	-2.16	-0.00	▷	-0.39	0.00	0.06	-0.00	CO 23
				Min N	-6.57	-0.02	▷	-1.24	-0.00	0.17	-0.02	CO 22
				Max V _y	-2.18	-0.00	▷	-0.39	0.00	0.06	-0.00	CO 26
				Min V _y	-6.55	-0.02	▷	-1.24	-0.00	0.17	-0.02	CO 15
				Max V _z	-2.16	-0.00	▷	-0.39	0.00	0.06	-0.00	CO 23
				Min V _z	-6.56	-0.02	▷	-1.24	-0.00	0.17	-0.02	CO 20
				Max M _T	-2.19	-0.01		-0.39	0.00	0.06	-0.00	CO 27
				Min M _T	-6.55	-0.02	▷	-1.24	-0.00	0.17	-0.02	CO 18
				Max M _y	-6.56	-0.02		-1.24	-0.00	0.17	-0.02	CO 20
				Min M _y	-2.16	-0.00		-0.39	0.00	0.06	-0.00	CO 23
				Max M _z	-2.18	-0.00		-0.39	0.00	0.06	-0.00	CO 26
				Min M _z	-6.55	-0.02		-1.24	-0.00	0.17	-0.02	CO 15
				Max N	-2.16	-0.00	▷	-0.39	0.00	0.06	-0.00	CO 23
				Min N	-6.57	-0.02	▷	-1.24	-0.00	0.17	-0.02	CO 22
				Max V _y	-2.18	-0.00	▷	-0.39	0.00	0.06	-0.00	CO 26
				Min V _y	-6.55	-0.02	▷	-1.24	-0.00	0.17	-0.02	CO 15
				Max V _z	-2.16	-0.00	▷	-0.39	0.00	0.06	-0.00	CO 23
				Min V _z	-6.56	-0.02	▷	-1.24	-0.00	0.17	-0.02	CO 20
				Max M _T	-2.19	-0.01		-0.39	0.00	0.06	-0.00	CO 27
				Min M _T	-6.55	-0.02	▷	-1.24	-0.00	0.17	-0.02	CO 18
				Max M _y	-6.56	-0.02		-1.24	-0.00	0.17	-0.02	CO 20
				Min M _y	-2.16	-0.00		-0.39	0.00	0.06	-0.00	CO 23
				Max M _z	-2.18	-0.00		-0.39	0.00	0.06	-0.00	CO 26
				Min M _z	-6.55	-0.02		-1.24	-0.00	0.17	-0.02	CO 15
				Max N	-2.44	-0.01	▷	0.12	0.00	-0.09	0.00	CO 23
				Min N	-6.84	-0.02	▷	0.47	-0.00	-0.31	0.00	CO 22
				Max V _y	-2.45	-0.01	▷	0.12	0.00	-0.09	0.00	CO 26
				Min V _y	-6.82	-0.02	▷	0.47	-0.00	-0.31	0.00	CO 15
				Max V _z	-6.82	-0.02	▷	0.47	-0.00	-0.31	0.00	CO 15
				Min V _z	-2.45	-0.01	▷	0.12	0.00	-0.09	0.00	CO 26
				Max M _T	-2.46	-0.01		0.12	0.00	-0.09	0.00	CO 27
				Min M _T	-6.82	-0.02	▷	0.47	-0.00	-0.31	0.00	CO 18
				Max M _y	-2.45	-0.01		0.12	0.00	-0.09	0.00	CO 25
				Min M _y	-6.83	-0.02	▷	0.47	-0.00	-0.31	0.00	CO 16
				Max M _z	-6.84	-0.02		0.47	-0.00	-0.31	0.00	CO 21
				Min M _z	-2.44	-0.01		0.12	0.00	-0.09	0.00	CO 24
				Max N	-2.44	-0.01	▷	0.12	0.00	-0.09	0.00	CO 23
				Min N	-6.84	-0.02	▷	0.47	-0.00	-0.31	0.00	CO 22
				Max V _y	-2.45	-0.01	▷	0.12	0.00	-0.09	0.00	CO 26
				Min V _y	-6.82	-0.02	▷	0.47	-0.00	-0.31	0.00	CO 15
				Max V _z	-6.82	-0.02	▷	0.47	-0.00	-0.31	0.00	CO 15
				Min V _z	-2.45	-0.01	▷	0.12	0.00	-0.09	0.00	CO 26
				Max M _T	-2.46	-0.01		0.12	0.00	-0.09	0.00	CO 27
				Min M _T	-6.82	-0.02	▷	0.47	-0.00	-0.31	0.00	CO 18
				Max M _y	-2.45	-0.01		0.12	0.00	-0.09	0.00	CO 25
				Min M _y	-6.83	-0.02	▷	0.47	-0.00	-0.31	0.00	CO 16
				Max M _z	-6.84	-0.02		0.47	-0.00	-0.31	0.00	CO 21
				Min M _z	-2.44	-0.01		0.12	0.00	-0.09	0.00	CO 24
				Max N	-2.66	-0.01	▷	0.54	0.00	0.21	0.01	CO 23
				Min N	-7.07	-0.02	▷	2.17	-0.00	0.85	0.02	CO 22
				Max V _y	-2.68	-0.00	▷	0.54	0.00	0.21	0.01	CO 26
				Min V _y	-7.05	-0.02	▷	2.17	-0.00	0.85	0.02	CO 15
				Max V _z	-7.05	-0.02	▷	2.17	-0.00	0.85	0.02	CO 15
				Min V _z	-2.68	-0.00	▷	0.54	0.00	0.21	0.01	CO 26
				Max M _T	-2.69	-0.01		0.54	0.00	0.21	0.01	CO 27
				Min M _T	-7.05	-0.02	▷	2.17	-0.00	0.85	0.02	CO 18
				Max M _y	-7.05	-0.02		2.17	-0.00	0.85	0.02	CO 15
				Min M _y	-2.68	-0.00		0.54	0.00	0.21	0.01	CO 26
				Max M _z	-7.05	-0.02		2.17	-0.00	0.85	0.02	CO 15
				Min M _z	-2.68	-0.00		0.54	0.00	0.21	0.01	CO 26
				Max N	-2.66	-0.01	▷	0.54	0.00	0.21	0.01	CO 23
				Min N	-7.07	-0.02	▷	2.17	-0.00	0.85	0.02	CO 22
				Max V _y	-2.68	-0.00	▷	0.54	0.00	0.21	0.01	CO 26
				Min V _y	-7.05	-0.02	▷	2.17	-0.00	0.85	0.02	CO 15
				Max V _z	-7.05	-0.02	▷	2.17	-0.00	0.85	0.02	CO 15
				Min V _z	-2.68	-0.00	▷	0.54	0.00	0.21	0.01	CO 26
				Max M _T	-2.69	-0.01		0.54	0.00	0.21	0.01	CO 27
				Min M _T	-7.05	-0.02	▷	2.17	-0.00	0.85	0.02	CO 18
				Max M _y	-7.05	-0.02		2.17	-0.00	0.85	0.02	CO 15
				Min M _y	-2.68	-0.00		0.54	0.00	0.21	0.01	CO 26
				Max M _z	-7.05	-0.02		2.17	-0.00	0.85	0.02	CO 15
				Min M _z	-2.68	-0.00		0.54	0.00	0.21	0.01	CO 26
				Max N	-4.39	-0.01	▷	-0.98	-0.00	0.31	-0.01	LC 1-4
RC6	21	0.000										



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location	x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
116	RC6		Left	Min N	▷	-5.98	-0.02	-0.94	-0.00	0.28	-0.02	LC 1-5	
				Max V _y	▷	-5.30	-0.00	-1.03	0.00	0.39	-0.00	LC 1-5	
				Min V _y	▷	-5.07	-0.03	-0.89	-0.00	0.20	-0.03	LC 1-4	
				Max V _z	▷	-5.04	-0.03	-0.89	-0.00	0.20	-0.03	LC 1-4	
				Min V _z	▷	-5.33	-0.00	-1.03	0.00	0.39	-0.00	LC 1-5	
				Max M _T	▷	-5.71	-0.01	-1.02	0.00	0.37	-0.01	LC 1-5	
				Min M _T	▷	-4.66	-0.02	-0.91	-0.00	0.21	-0.03	LC 1-4	
				Max M _y	▷	-5.36	-0.00	-1.03	0.00	0.39	-0.00	LC 1-5	
				Min M _y	▷	-5.01	-0.03	-0.89	-0.00	0.20	-0.03	LC 1-4	
				Max M _z	▷	-5.31	-0.00	-1.03	0.00	0.39	-0.00	LC 1-5	
				Min M _z	▷	-5.06	-0.03	-0.89	-0.00	0.20	-0.03	LC 1-4	
				0.000 Right	Max N	▷	-4.39	-0.01	-0.98	-0.00	0.31	-0.01	LC 1-4
					Min N	▷	-5.98	-0.02	-0.94	-0.00	0.28	-0.02	LC 1-5
					Max V _y	▷	-5.30	-0.00	-1.03	0.00	0.39	-0.00	LC 1-5
					Min V _y	▷	-5.07	-0.03	-0.89	-0.00	0.20	-0.03	LC 1-4
					Max V _z	▷	-5.04	-0.03	-0.89	-0.00	0.20	-0.03	LC 1-4
					Min V _z	▷	-5.33	-0.00	-1.03	0.00	0.39	-0.00	LC 1-5
					Max M _T	▷	-5.71	-0.01	-1.02	0.00	0.37	-0.01	LC 1-5
					Min M _T	▷	-4.66	-0.02	-0.91	-0.00	0.21	-0.03	LC 1-4
					Max M _y	▷	-5.36	-0.00	-1.03	0.00	0.39	-0.00	LC 1-5
			Min M _y		▷	-5.01	-0.03	-0.89	-0.00	0.20	-0.03	LC 1-4	
			0.182 Left	Max M _z	▷	-5.31	-0.00	-1.03	0.00	0.39	-0.00	LC 1-5	
				Min M _z	▷	-5.06	-0.03	-0.89	-0.00	0.20	-0.03	LC 1-4	
				Max N	▷	-4.40	-0.01	-0.91	-0.00	0.13	-0.01	LC 1-4	
				Min N	▷	-5.98	-0.02	-0.87	-0.00	0.11	-0.02	LC 1-5	
				Max V _y	▷	-5.31	-0.00	-0.96	0.00	0.21	-0.00	LC 1-5	
				Min V _y	▷	-5.07	-0.03	-0.82	-0.00	0.04	-0.03	LC 1-4	
				Max V _z	▷	-5.04	-0.03	-0.82	-0.00	0.04	-0.03	LC 1-4	
				Min V _z	▷	-5.33	-0.00	-0.96	0.00	0.21	-0.00	LC 1-5	
				Max M _T	▷	-5.71	-0.01	-0.94	0.00	0.19	-0.01	LC 1-5	
				Min M _T	▷	-4.66	-0.02	-0.83	-0.00	0.05	-0.02	LC 1-4	
				Max M _y	▷	-5.37	-0.00	-0.96	0.00	0.21	-0.00	LC 1-5	
				Min M _y	▷	-5.01	-0.03	-0.82	-0.00	0.04	-0.03	LC 1-4	
				Max M _z	▷	-5.31	-0.00	-0.96	0.00	0.21	-0.00	LC 1-5	
				Min M _z	▷	-5.06	-0.03	-0.82	-0.00	0.04	-0.03	LC 1-4	
				0.182 Right	Max N	▷	-4.40	-0.01	-0.91	-0.00	0.13	-0.01	LC 1-4
					Min N	▷	-5.98	-0.02	-0.87	-0.00	0.11	-0.02	LC 1-5
					Max V _y	▷	-5.31	-0.00	-0.96	0.00	0.21	-0.00	LC 1-5
					Min V _y	▷	-5.07	-0.03	-0.82	-0.00	0.04	-0.03	LC 1-4
					Max V _z	▷	-5.04	-0.03	-0.82	-0.00	0.04	-0.03	LC 1-4
					Min V _z	▷	-5.33	-0.00	-0.96	0.00	0.21	-0.00	LC 1-5
			Max M _T		▷	-5.71	-0.01	-0.94	0.00	0.19	-0.01	LC 1-5	
			Min M _T		▷	-4.66	-0.02	-0.83	-0.00	0.05	-0.02	LC 1-4	
			Max M _y		▷	-5.37	-0.00	-0.96	0.00	0.21	-0.00	LC 1-5	
			Min M _y		▷	-5.01	-0.03	-0.82	-0.00	0.04	-0.03	LC 1-4	
			1.240 Left	Max M _z	▷	-5.31	-0.00	-0.96	0.00	0.21	-0.00	LC 1-5	
				Min M _z	▷	-5.06	-0.03	-0.82	-0.00	0.04	-0.03	LC 1-4	
				Max N	▷	-4.41	-0.01	0.31	-0.00	-0.24	0.00	LC 1-4	
				Min N	▷	-6.00	-0.02	0.35	-0.00	-0.23	0.00	LC 1-5	
				Max V _y	▷	-5.32	-0.00	0.26	0.00	-0.23	-0.00	LC 1-5	
				Min V _y	▷	-5.09	-0.03	0.40	-0.00	-0.24	0.00	LC 1-4	
				Max V _z	▷	-5.06	-0.03	0.40	-0.00	-0.24	0.00	LC 1-4	
				Min V _z	▷	-5.35	-0.00	0.25	0.00	-0.23	-0.00	LC 1-5	
				Max M _T	▷	-5.73	-0.01	0.27	0.00	-0.22	0.00	LC 1-5	
				Min M _T	▷	-4.68	-0.02	0.38	-0.00	-0.25	0.00	LC 1-4	
				Max M _y	▷	-5.80	-0.01	0.28	0.00	-0.22	0.00	LC 1-5	
				Min M _y	▷	-4.61	-0.02	0.37	-0.00	-0.25	0.00	LC 1-4	
				Max M _z	▷	-5.14	-0.03	0.40	-0.00	-0.24	0.00	LC 1-5	
				Min M _z	▷	-5.27	-0.00	0.26	0.00	-0.23	-0.00	LC 1-4	
				1.240 Right	Max N	▷	-4.41	-0.01	0.31	-0.00	-0.24	0.00	LC 1-4
					Min N	▷	-6.00	-0.02	0.35	-0.00	-0.23	0.00	LC 1-5
					Max V _y	▷	-5.32	-0.00	0.26	0.00	-0.23	-0.00	LC 1-5
					Min V _y	▷	-5.09	-0.03	0.40	-0.00	-0.24	0.00	LC 1-4
					Max V _z	▷	-5.06	-0.03	0.40	-0.00	-0.24	0.00	LC 1-4
					Min V _z	▷	-5.35	-0.00	0.25	0.00	-0.23	-0.00	LC 1-5
			Max M _T		▷	-5.73	-0.01	0.27	0.00	-0.22	0.00	LC 1-5	
			Min M _T		▷	-4.68	-0.02	0.38	-0.00	-0.25	0.00	LC 1-4	
			Max M _y		▷	-5.80	-0.01	0.28	0.00	-0.22	0.00	LC 1-5	
			Min M _y		▷	-4.61	-0.02	0.37	-0.00	-0.25	0.00	LC 1-4	
			2.116 Left	Max M _z	▷	-5.14	-0.03	0.40	-0.00	-0.24	0.00	LC 1-5	
				Min M _z	▷	-5.27	-0.00	0.26	0.00	-0.23	-0.00	LC 1-4	
				Max N	▷	-4.43	-0.01	1.62	-0.00	0.60	0.01	LC 1-4	
				Min N	▷	-6.01	-0.02	1.66	-0.00	0.65	0.02	LC 1-5	
				Max V _y	▷	-5.34	-0.00	1.57	0.00	0.57	0.00	LC 1-5	
				Min V _y	▷	-5.10	-0.03	1.71	-0.00	0.68	0.03	LC 1-4	
				Max V _z	▷	-5.08	-0.03	1.71	-0.00	0.68	0.03	LC 1-4	
				Min V _z	▷	-5.36	-0.00	1.56	0.00	0.57	0.00	LC 1-5	
				Max M _T	▷	-5.74	-0.01	1.58	0.00	0.59	0.01	LC 1-5	
				Min M _T	▷	-4.70	-0.02	1.69	-0.00	0.66	0.02	LC 1-4	
				Max M _y	▷	-5.15	-0.03	1.71	-0.00	0.68	0.03	LC 1-5	
Min M _y	▷	-5.29		-0.00	1.57	0.00	0.57	0.00	LC 1-4				
Max M _z	▷	-5.10		-0.03	1.71	-0.00	0.68	0.03	LC 1-4				
Min M _z	▷	-5.33		-0.00	1.56	0.00	0.57	0.00	LC 1-5				
2.116 Right	Max N	▷		-4.43	-0.01	1.62	-0.00	0.60	0.01	LC 1-4			
	Min N	▷		-6.01	-0.02	1.66	-0.00	0.65	0.02	LC 1-5			
	Max V _y	▷		-5.34	-0.00	1.57	0.00	0.57	0.00	LC 1-5			
	Min V _y	▷		-5.10	-0.03	1.71	-0.00	0.68	0.03	LC 1-4			
	Max V _z	▷		-5.08	-0.03	1.71	-0.00	0.68	0.03	LC 1-4			
	Min V _z	▷		-5.36	-0.00	1.56	0.00	0.57	0.00	LC 1-5			
	Max M _T	▷	-5.74	-0.01	1.58	0.00	0.59	0.01	LC 1-5				
	Min M _T	▷	-4.70	-0.02	1.69	-0.00	0.66	0.02	LC 1-4				
	Max M _y	▷	-5.15	-0.03	1.71	-0.00	0.68	0.03	LC 1-5				
	Min M _y	▷	-5.29	-0.00	1.57	0.00	0.57	0.00	LC 1-4				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
116	RC6			Min M _y	-5.29	-0.00	1.57	0.00	0.57	0.00	LC 1-4	
				Max M _z	-5.10	-0.03	1.71	-0.00	0.68	0.03	LC 1-4	
				Min M _z	-5.33	-0.00	1.56	0.00	0.57	0.00	LC 1-5	
119	RC1	66	0.000 Left	Max N	-1.96	-0.00	-0.31	0.00	0.05	0.00	CO 14	
				Min N	-6.42	-0.03	-0.56	0.00	0.06	-0.01	CO 3	
				Max V _y	-1.96	-0.00	-0.32	0.00	0.05	0.00	CO 12	
				Min V _y	-6.41	-0.03	-0.56	0.00	0.06	-0.01	CO 1	
				Max V _z	-1.96	-0.00	-0.31	0.00	0.05	-0.00	CO 13	
				Min V _z	-6.41	-0.03	-0.56	0.00	0.06	-0.01	CO 6	
				Max M _T	-6.41	-0.03	-0.56	0.00	0.06	-0.01	CO 7	
				Min M _T	-1.96	-0.00	-0.31	0.00	0.05	0.00	CO 10	
				Max M _y	-6.42	-0.03	-0.56	0.00	0.06	-0.01	CO 5	
				Min M _y	-1.96	-0.00	-0.31	0.00	0.05	0.00	CO 14	
				Max M _z	-1.96	-0.00	-0.32	0.00	0.05	0.00	CO 12	
				Min M _z	-6.41	-0.03	-0.56	0.00	0.06	-0.01	CO 1	
			0.000 Right	Max N	-1.96	-0.00	-0.31	0.00	0.05	0.00	CO 14	
				Min N	-6.42	-0.03	-0.56	0.00	0.06	-0.01	CO 3	
				Max V _y	-1.96	-0.00	-0.32	0.00	0.05	0.00	CO 12	
				Min V _y	-6.41	-0.03	-0.56	0.00	0.06	-0.01	CO 1	
				Max V _z	-1.96	-0.00	-0.31	0.00	0.05	-0.00	CO 13	
				Min V _z	-6.41	-0.03	-0.56	0.00	0.06	-0.01	CO 6	
				Max M _T	-6.41	-0.03	-0.56	0.00	0.06	-0.01	CO 7	
				Min M _T	-1.96	-0.00	-0.31	0.00	0.05	0.00	CO 10	
				Max M _y	-6.42	-0.03	-0.56	0.00	0.06	-0.01	CO 5	
				Min M _y	-1.96	-0.00	-0.31	0.00	0.05	0.00	CO 14	
				Max M _z	-1.96	-0.00	-0.32	0.00	0.05	0.00	CO 12	
				Min M _z	-6.41	-0.03	-0.56	0.00	0.06	-0.01	CO 1	
			0.182 Left	Max N	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 14	
				Min N	-6.49	-0.03	-0.34	0.00	-0.03	-0.00	CO 3	
				Max V _y	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 12	
				Min V _y	-6.48	-0.03	-0.34	0.00	-0.03	-0.00	CO 1	
				Max V _z	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 13	
				Min V _z	-6.48	-0.03	-0.34	0.00	-0.03	-0.00	CO 6	
				Max M _T	-6.48	-0.03	-0.34	0.00	-0.03	-0.00	CO 7	
				Min M _T	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 10	
				Max M _y	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 11	
				Min M _y	-6.48	-0.03	-0.34	0.00	-0.03	-0.00	CO 2	
				Max M _z	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 12	
				Min M _z	-6.48	-0.03	-0.34	0.00	-0.03	-0.00	CO 1	
			0.182 Right	Max N	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 14	
				Min N	-6.49	-0.03	-0.34	0.00	-0.03	-0.00	CO 3	
				Max V _y	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 12	
				Min V _y	-6.48	-0.03	-0.34	0.00	-0.03	-0.00	CO 1	
				Max V _z	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 13	
				Min V _z	-6.48	-0.03	-0.34	0.00	-0.03	-0.00	CO 6	
				Max M _T	-6.48	-0.03	-0.34	0.00	-0.03	-0.00	CO 7	
				Min M _T	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 10	
				Max M _y	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 11	
				Min M _y	-6.48	-0.03	-0.34	0.00	-0.03	-0.00	CO 2	
				Max M _z	-2.03	-0.00	-0.18	0.00	0.00	0.00	CO 12	
				Min M _z	-6.48	-0.03	-0.34	0.00	-0.03	-0.00	CO 1	
1.058 Left	Max N	-2.36	-0.00	0.45	0.00	0.12	0.00	CO 14				
	Min N	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 3				
	Max V _y	-2.37	-0.00	0.44	0.00	0.11	0.00	CO 12				
	Min V _y	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 1				
	Max V _z	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 1				
	Min V _z	-2.37	-0.00	0.44	0.00	0.11	0.00	CO 12				
	Max M _T	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 7				
	Min M _T	-2.37	-0.00	0.45	0.00	0.12	0.00	CO 10				
	Max M _y	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 1				
	Min M _y	-2.37	-0.00	0.44	0.00	0.11	0.00	CO 12				
	Max M _z	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 1				
	Min M _z	-2.37	-0.00	0.44	0.00	0.11	0.00	CO 12				
1.058 Right	Max N	-2.36	-0.00	0.45	0.00	0.12	0.00	CO 14				
	Min N	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 3				
	Max V _y	-2.37	-0.00	0.44	0.00	0.11	0.00	CO 12				
	Min V _y	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 1				
	Max V _z	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 1				
	Min V _z	-2.37	-0.00	0.44	0.00	0.11	0.00	CO 12				
	Max M _T	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 7				
	Min M _T	-2.37	-0.00	0.45	0.00	0.12	0.00	CO 10				
	Max M _y	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 1				
	Min M _y	-2.37	-0.00	0.44	0.00	0.11	0.00	CO 12				
	Max M _z	-6.82	-0.03	1.62	0.00	0.47	0.02	CO 1				
	Min M _z	-2.37	-0.00	0.44	0.00	0.11	0.00	CO 12				
RC2	66	0.000 Left	Max N	-1.33	-0.00	-0.21	0.00	0.03	0.00	CO 28		
			Min N	-4.63	-0.02	-0.39	0.00	0.04	-0.01	CO 17		
			Max V _y	-1.34	-0.00	-0.21	0.00	0.03	0.00	CO 26		
			Min V _y	-4.63	-0.02	-0.39	0.00	0.04	-0.01	CO 15		
			Max V _z	-1.33	-0.00	-0.21	0.00	0.03	0.00	CO 27		
			Min V _z	-4.63	-0.02	-0.39	0.00	0.04	-0.01	CO 20		
			Max M _T	-4.63	-0.02	-0.39	0.00	0.04	-0.01	CO 21		
			Min M _T	-1.34	-0.00	-0.21	0.00	0.03	0.00	CO 24		
			Max M _y	-4.63	-0.02	-0.39	0.00	0.04	-0.01	CO 19		
			Min M _y	-1.33	-0.00	-0.21	0.00	0.03	0.00	CO 28		
			Max M _z	-1.34	-0.00	-0.21	0.00	0.03	0.00	CO 26		
			Min M _z	-4.63	-0.02	-0.39	0.00	0.04	-0.01	CO 15		
		0.000 Right	Max N	-1.33	-0.00	-0.21	0.00	0.03	0.00	CO 28		
			Min N	-4.63	-0.02	-0.39	0.00	0.04	-0.01	CO 17		
			Max V _y	-1.34	-0.00	-0.21	0.00	0.03	0.00	CO 26		
			Min V _y	-4.63	-0.02	-0.39	0.00	0.04	-0.01	CO 15		
			Max V _z	-1.33	-0.00	-0.21	0.00	0.03	0.00	CO 27		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding				
				N	V _y	V _z	M _T	M _y	M _z	Load Cases						
119	RC2		0.182 Left	Min V _z	-4.63	-0.02	▷	-0.39	0.00	0.04	-0.01	CO 20				
				Max M _T	-4.63	-0.02	▷	-0.39	0.00	0.04	-0.01	CO 21				
				Min M _T	-1.34	-0.00	▷	-0.21	0.00	0.03	0.00	CO 24				
				Max M _y	-4.63	-0.02	▷	-0.39	0.00	0.04	-0.01	CO 19				
				Min M _y	-1.33	-0.00	▷	-0.21	0.00	0.03	0.00	CO 28				
				Max M _z	-1.34	-0.00	▷	-0.21	0.00	0.03	0.00	CO 26				
				Min M _z	-4.63	-0.02	▷	-0.39	0.00	0.04	-0.01	CO 15				
				Max N	-1.38	-0.00	▷	-0.13	0.00	0.00	0.00	CO 28				
				Min N	-4.68	-0.02	▷	-0.24	0.00	-0.02	-0.00	CO 17				
				Max V _y	-1.38	-0.00	▷	-0.13	0.00	0.00	0.00	CO 26				
				Min V _y	-4.68	-0.02	▷	-0.24	0.00	-0.02	-0.00	CO 15				
				Max V _z	-1.38	-0.00	▷	-0.13	0.00	0.00	0.00	CO 27				
				Min V _z	-4.68	-0.02	▷	-0.25	0.00	-0.02	-0.00	CO 20				
				Max M _T	-4.68	-0.02	▷	-0.24	0.00	-0.02	-0.00	CO 21				
				Min M _T	-1.39	-0.00	▷	-0.13	0.00	0.00	0.00	CO 24				
				Max M _y	-1.39	-0.00	▷	-0.13	0.00	0.00	0.00	CO 25				
				Min M _y	-4.67	-0.02	▷	-0.24	0.00	-0.02	-0.00	CO 16				
				Max M _z	-1.38	-0.00	▷	-0.13	0.00	0.00	0.00	CO 26				
				Min M _z	-4.68	-0.02	▷	-0.24	0.00	-0.02	-0.00	CO 15				
				Max N	-1.38	-0.00	▷	-0.13	0.00	0.00	0.00	CO 28				
				Min N	-4.68	-0.02	▷	-0.24	0.00	-0.02	-0.00	CO 17				
				Max V _y	-1.38	-0.00	▷	-0.13	0.00	0.00	0.00	CO 26				
				Min V _y	-4.68	-0.02	▷	-0.24	0.00	-0.02	-0.00	CO 15				
				Max V _z	-1.38	-0.00	▷	-0.13	0.00	0.00	0.00	CO 27				
				Min V _z	-4.68	-0.02	▷	-0.25	0.00	-0.02	-0.00	CO 20				
				Max M _T	-4.68	-0.02	▷	-0.24	0.00	-0.02	-0.00	CO 21				
				Min M _T	-1.39	-0.00	▷	-0.13	0.00	0.00	0.00	CO 24				
				Max M _y	-1.39	-0.00	▷	-0.13	0.00	0.00	0.00	CO 25				
				Min M _y	-4.67	-0.02	▷	-0.24	0.00	-0.02	-0.00	CO 16				
				Max M _z	-1.38	-0.00	▷	-0.13	0.00	0.00	0.00	CO 26				
				Min M _z	-4.68	-0.02	▷	-0.24	0.00	-0.02	-0.00	CO 15				
				Max N	-1.61	-0.00	▷	0.30	0.00	0.08	0.00	CO 28				
				Min N	-4.91	-0.02	▷	1.17	0.00	0.34	0.02	CO 17				
				Max V _y	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26				
				Min V _y	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15				
				Max V _z	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15				
				Min V _z	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26				
				Max M _T	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 21				
				Min M _T	-1.61	-0.00	▷	0.30	0.00	0.08	0.00	CO 24				
				Max M _y	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15				
				Min M _y	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26				
		Max M _z	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15						
		Min M _z	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26						
		Max N	-1.61	-0.00	▷	0.30	0.00	0.08	0.00	CO 28						
		Min N	-4.91	-0.02	▷	1.17	0.00	0.34	0.02	CO 17						
		Max V _y	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26						
		Min V _y	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15						
		Max V _z	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15						
		Min V _z	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26						
		Max M _T	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 21						
		Min M _T	-1.61	-0.00	▷	0.30	0.00	0.08	0.00	CO 24						
		Max M _y	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15						
		Min M _y	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26						
		Max M _z	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15						
		Min M _z	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26						
		70		1.058 Right	Max N	-1.61	-0.00	▷	0.30	0.00	0.08	0.00	CO 28			
					Min N	-4.91	-0.02	▷	1.17	0.00	0.34	0.02	CO 17			
					Max V _y	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26			
					Min V _y	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15			
					Max V _z	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15			
					Min V _z	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26			
					Max M _T	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 21			
					Min M _T	-1.61	-0.00	▷	0.30	0.00	0.08	0.00	CO 24			
					Max M _y	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15			
					Min M _y	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26			
					Max M _z	-4.90	-0.02	▷	1.17	0.00	0.34	0.02	CO 15			
					Min M _z	-1.61	-0.00	▷	0.30	0.00	0.07	0.00	CO 26			
					66	0.000 Left	Max N	-3.01	-0.04	▷	-0.13	0.00	-0.05	-0.01	LC 1-4	
							Min N	-4.23	0.00	▷	-0.35	0.00	0.10	0.00	LC 1-5	
							Max V _y	-3.85	0.03	▷	-0.43	0.00	0.13	0.01	LC 1-5	
							Min V _y	-3.39	-0.06	▷	-0.04	0.00	-0.08	-0.02	LC 1-4	
							Max V _z	-3.36	-0.06	▷	-0.04	0.00	-0.08	-0.02	LC 1-4	
							Min V _z	-3.88	0.03	▷	-0.44	0.00	0.14	0.01	LC 1-5	
							Max M _T	-4.06	-0.04	▷	-0.13	0.00	-0.02	-0.02	LC 1-5	
							Min M _T	-3.18	0.01	▷	-0.35	0.00	0.07	0.01	LC 1-4	
							Max M _y	-3.92	0.03	▷	-0.43	0.00	0.14	0.01	LC 1-5	
							Min M _y	-3.32	-0.06	▷	-0.04	0.00	-0.08	-0.02	LC 1-4	
							Max M _z	-3.84	0.03	▷	-0.43	0.00	0.13	0.01	LC 1-5	
							Min M _z	-3.40	-0.06	▷	-0.04	0.00	-0.08	-0.02	LC 1-4	
							0.000 Right	Max N	-3.01	-0.04	▷	-0.13	0.00	-0.05	-0.01	LC 1-4
								Min N	-4.23	0.00	▷	-0.35	0.00	0.10	0.00	LC 1-5
								Max V _y	-3.85	0.03	▷	-0.43	0.00	0.13	0.01	LC 1-5
								Min V _y	-3.39	-0.06	▷	-0.04	0.00	-0.08	-0.02	LC 1-4
								Max V _z	-3.36	-0.06	▷	-0.04	0.00	-0.08	-0.02	LC 1-4
								Min V _z	-3.88	0.03	▷	-0.44	0.00	0.14	0.01	LC 1-5
								Max M _T	-4.06	-0.04	▷	-0.13	0.00	-0.02	-0.02	LC 1-5
								Min M _T	-3.18	0.01	▷	-0.35	0.00	0.07	0.01	LC 1-4
								Max M _y	-3.92	0.03	▷	-0.43	0.00	0.14	0.01	LC 1-5
								Min M _y	-3.32	-0.06	▷	-0.04	0.00	-0.08	-0.02	LC 1-4
								Max M _z	-3.84	0.03	▷	-0.43	0.00	0.13	0.01	LC 1-5
								Min M _z	-3.40	-0.06	▷	-0.04	0.00	-0.08	-0.02	LC 1-4
							0.182 Left	Max N	-3.01	-0.04	▷	-0.06	0.00	-0.06	-0.01	LC 1-4
Min N	-4.23							0.00	▷	-0.28	0.00	0.04	0.00	LC 1-5		
Max V _y	-3.85							0.03	▷	-0.37	0.00	0.06	0.01	LC 1-5		
Min V _y	-3.39							-0.06	▷	0.03	0.00	-0.09	-0.01	LC 1-4		
Max V _z	-3.36							-0.06	▷	0.03	0.00	-0.09	-0.01	LC 1-4		
Min V _z	-3.88							0.03	▷	-0.37	0.00	0.06	0.01	LC 1-5		
Max M _T	-4.06							-0.04	▷	-0.06	0.00	-0.04	-0.01	LC 1-5		
Min M _T	-3.18							0.01	▷	-0.28	0.00	0.01	0.01	LC 1-4		
Max M _y	-3.95							0.03	▷	-0.37	0.00	0.06	0.01	LC 1-5		
Min M _y	-3.30							-0.06	▷	0.03	0.00	-0.09	-0.01	LC 1-4		
Max M _z	-3.83							0.03	▷	-0.37	0.00	0.06	0.01	LC 1-5		
Min M _z	-3.41							-0.06	▷	0.03	0.00	-0.08	-0.01	LC 1-4		
0.182	Max N						-3.01	-0.04	▷	-0.06	0.00	-0.06	-0.01	LC 1-4		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
119	RC6		Right	Min N	▷ -4.23	0.00	-0.28	0.00	0.04	0.00	LC 1-5
				Max V _y	▷ -3.85	0.03	-0.37	0.00	0.06	0.01	LC 1-5
				Min V _y	▷ -3.39	-0.06	0.03	0.00	-0.09	-0.01	LC 1-4
				Max V _z	▷ -3.36	-0.06	0.03	0.00	-0.09	-0.01	LC 1-4
				Min V _z	▷ -3.88	0.03	-0.37	0.00	0.06	0.01	LC 1-5
				Max M _T	▷ -4.06	-0.04	-0.06	0.00	-0.04	-0.01	LC 1-5
				Min M _T	▷ -3.18	0.01	-0.28	0.00	0.01	0.01	LC 1-4
				Max M _y	▷ -3.95	0.03	-0.37	0.00	0.06	0.01	LC 1-5
				Min M _y	▷ -3.30	-0.06	0.03	0.00	-0.09	-0.01	LC 1-4
				Max M _z	▷ -3.83	0.03	-0.37	0.00	0.06	0.01	LC 1-5
				Min M _z	▷ -3.41	-0.06	0.03	0.00	-0.08	-0.01	LC 1-4
			1.058 Left	Max N	▷ -3.02	-0.04	0.96	0.00	0.28	0.03	LC 1-4
				Min N	▷ -4.25	0.00	0.74	0.00	0.19	-0.00	LC 1-5
				Max V _y	▷ -3.87	0.03	0.65	0.00	0.14	-0.01	LC 1-5
				Min V _y	▷ -3.41	-0.06	1.05	0.00	0.34	0.04	LC 1-4
				Max V _z	▷ -3.38	-0.06	1.05	0.00	0.34	0.04	LC 1-4
				Min V _z	▷ -3.90	0.03	0.65	0.00	0.14	-0.01	LC 1-5
				Max M _T	▷ -4.08	-0.04	0.96	0.00	0.31	0.03	LC 1-5
				Min M _T	▷ -3.20	0.01	0.74	0.00	0.17	-0.00	LC 1-4
				Max M _y	▷ -3.41	-0.06	1.05	0.00	0.34	0.04	LC 1-4
				Min M _y	▷ -3.86	0.03	0.65	0.00	0.14	-0.01	LC 1-5
				Max M _z	▷ -3.40	-0.06	1.05	0.00	0.34	0.04	LC 1-4
				Min M _z	▷ -3.87	0.03	0.65	0.00	0.14	-0.01	LC 1-5
		70	1.058 Right	Max N	▷ -3.02	-0.04	0.96	0.00	0.28	0.03	LC 1-4
				Min N	▷ -4.25	0.00	0.74	0.00	0.19	-0.00	LC 1-5
				Max V _y	▷ -3.87	0.03	0.65	0.00	0.14	-0.01	LC 1-5
				Min V _y	▷ -3.41	-0.06	1.05	0.00	0.34	0.04	LC 1-4
				Max V _z	▷ -3.38	-0.06	1.05	0.00	0.34	0.04	LC 1-4
				Min V _z	▷ -3.90	0.03	0.65	0.00	0.14	-0.01	LC 1-5
				Max M _T	▷ -4.08	-0.04	0.96	0.00	0.31	0.03	LC 1-5
				Min M _T	▷ -3.20	0.01	0.74	0.00	0.17	-0.00	LC 1-4
				Max M _y	▷ -3.41	-0.06	1.05	0.00	0.34	0.04	LC 1-4
				Min M _y	▷ -3.86	0.03	0.65	0.00	0.14	-0.01	LC 1-5
				Max M _z	▷ -3.40	-0.06	1.05	0.00	0.34	0.04	LC 1-4
				Min M _z	▷ -3.87	0.03	0.65	0.00	0.14	-0.01	LC 1-5
122	RC1	73	0.000 Left	Max N	▷ -0.35	-0.02	-3.51	-0.00	1.98	-0.03	CO 3
				Min N	▷ -1.13	-0.01	-1.13	-0.00	0.57	-0.01	CO 14
				Max V _y	▷ -1.05	-0.01	-1.13	-0.00	0.57	-0.01	CO 10
				Min V _y	▷ -0.42	-0.02	-3.51	-0.00	1.98	-0.03	CO 7
				Max V _z	▷ -1.11	-0.01	-1.13	-0.00	0.57	-0.01	CO 13
				Min V _z	▷ -0.37	-0.02	-3.51	-0.00	1.98	-0.03	CO 4
				Max M _T	▷ -0.39	-0.02	-3.51	-0.00	1.98	-0.03	CO 1
				Min M _T	▷ -1.13	-0.01	-1.13	-0.00	0.57	-0.01	CO 14
				Max M _y	▷ -0.37	-0.02	-3.51	-0.00	1.98	-0.03	CO 4
				Min M _y	▷ -1.11	-0.01	-1.13	-0.00	0.57	-0.01	CO 13
				Max M _z	▷ -1.05	-0.01	-1.13	-0.00	0.57	-0.01	CO 10
				Min M _z	▷ -0.42	-0.02	-3.51	-0.00	1.98	-0.03	CO 7
			0.000 Right	Max N	▷ -0.35	-0.02	-3.51	-0.00	1.98	-0.03	CO 3
				Min N	▷ -1.13	-0.01	-1.13	-0.00	0.57	-0.01	CO 14
				Max V _y	▷ -1.05	-0.01	-1.13	-0.00	0.57	-0.01	CO 10
				Min V _y	▷ -0.42	-0.02	-3.51	-0.00	1.98	-0.03	CO 7
				Max V _z	▷ -1.11	-0.01	-1.13	-0.00	0.57	-0.01	CO 13
				Min V _z	▷ -0.37	-0.02	-3.51	-0.00	1.98	-0.03	CO 4
				Max M _T	▷ -0.39	-0.02	-3.51	-0.00	1.98	-0.03	CO 1
				Min M _T	▷ -1.13	-0.01	-1.13	-0.00	0.57	-0.01	CO 14
				Max M _y	▷ -0.37	-0.02	-3.51	-0.00	1.98	-0.03	CO 4
				Min M _y	▷ -1.11	-0.01	-1.13	-0.00	0.57	-0.01	CO 13
				Max M _z	▷ -1.05	-0.01	-1.13	-0.00	0.57	-0.01	CO 10
				Min M _z	▷ -0.42	-0.02	-3.51	-0.00	1.98	-0.03	CO 7
			0.182 Left	Max N	▷ -0.41	-0.02	-3.29	-0.00	1.36	-0.03	CO 3
				Min N	▷ -1.20	-0.01	-1.00	-0.00	0.38	-0.01	CO 14
				Max V _y	▷ -1.12	-0.01	-1.00	-0.00	0.38	-0.01	CO 10
				Min V _y	▷ -0.48	-0.02	-3.29	-0.00	1.36	-0.03	CO 7
				Max V _z	▷ -1.18	-0.01	-1.00	-0.00	0.38	-0.01	CO 13
				Min V _z	▷ -0.43	-0.02	-3.29	-0.00	1.36	-0.03	CO 4
				Max M _T	▷ -0.45	-0.02	-3.29	-0.00	1.36	-0.03	CO 1
				Min M _T	▷ -1.20	-0.01	-1.00	-0.00	0.38	-0.01	CO 14
				Max M _y	▷ -0.43	-0.02	-3.29	-0.00	1.36	-0.03	CO 4
				Min M _y	▷ -1.18	-0.01	-1.00	-0.00	0.38	-0.01	CO 13
				Max M _z	▷ -1.12	-0.01	-1.00	-0.00	0.38	-0.01	CO 10
				Min M _z	▷ -0.48	-0.02	-3.29	-0.00	1.36	-0.03	CO 7
			0.182 Right	Max N	▷ -0.41	-0.02	-3.29	-0.00	1.36	-0.03	CO 3
				Min N	▷ -1.20	-0.01	-1.00	-0.00	0.38	-0.01	CO 14
				Max V _y	▷ -1.12	-0.01	-1.00	-0.00	0.38	-0.01	CO 10
				Min V _y	▷ -0.48	-0.02	-3.29	-0.00	1.36	-0.03	CO 7
				Max V _z	▷ -1.18	-0.01	-1.00	-0.00	0.38	-0.01	CO 13
				Min V _z	▷ -0.43	-0.02	-3.29	-0.00	1.36	-0.03	CO 4
				Max M _T	▷ -0.45	-0.02	-3.29	-0.00	1.36	-0.03	CO 1
				Min M _T	▷ -1.20	-0.01	-1.00	-0.00	0.38	-0.01	CO 14
				Max M _y	▷ -0.43	-0.02	-3.29	-0.00	1.36	-0.03	CO 4
				Min M _y	▷ -1.18	-0.01	-1.00	-0.00	0.38	-0.01	CO 13
				Max M _z	▷ -1.12	-0.01	-1.00	-0.00	0.38	-0.01	CO 10
				Min M _z	▷ -0.48	-0.02	-3.29	-0.00	1.36	-0.03	CO 7
			1.240 Left	Max N	▷ -0.82	-0.02	-0.94	-0.00	-0.96	-0.01	CO 3
				Min N	▷ -1.60	-0.01	-0.24	-0.00	-0.28	-0.00	CO 14
				Max V _y	▷ -1.53	-0.01	-0.24	-0.00	-0.28	-0.00	CO 10
				Min V _y	▷ -0.90	-0.02	-0.94	-0.00	-0.96	-0.01	CO 7
				Max V _z	▷ -1.59	-0.01	-0.24	-0.00	-0.28	-0.00	CO 13
				Min V _z	▷ -0.84	-0.02	-0.94	-0.00	-0.96	-0.01	CO 4
				Max M _T	▷ -1.51	-0.01	-0.24	-0.00	-0.28	-0.00	CO 9
				Min M _T	▷ -0.92	-0.02	-0.94	-0.00	-0.96	-0.01	CO 8
				Max M _y	▷ -1.51	-0.01	-0.24	-0.00	-0.28	-0.00	CO 9

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
122	RC1		1.240 Right	Min M _y	-0.92	-0.02	-0.94	-0.00	-0.96	-0.01	CO 8
				Max M _z	-1.53	-0.01	-0.24	-0.00	-0.28	-0.00	CO 10
				Min M _z	-0.90	-0.02	-0.94	-0.00	-0.96	-0.01	CO 7
				Max N	-0.82	-0.02	-0.94	-0.00	-0.96	-0.01	CO 3
				Min N	-1.60	-0.01	-0.24	-0.00	-0.28	-0.00	CO 14
				Max V _y	-1.53	-0.01	-0.24	-0.00	-0.28	-0.00	CO 10
				Min V _y	-0.90	-0.02	-0.94	-0.00	-0.96	-0.01	CO 7
				Max V _z	-1.59	-0.01	-0.24	-0.00	-0.28	-0.00	CO 13
				Min V _z	-0.84	-0.02	-0.94	-0.00	-0.96	-0.01	CO 4
				Max M _T	-1.51	-0.01	-0.24	-0.00	-0.28	-0.00	CO 9
				Min M _T	-0.92	-0.02	-0.94	-0.00	-0.96	-0.01	CO 8
				Max M _y	-1.51	-0.01	-0.24	-0.00	-0.28	-0.00	CO 9
				Min M _y	-0.92	-0.02	-0.94	-0.00	-0.96	-0.01	CO 8
				Max M _z	-1.53	-0.01	-0.24	-0.00	-0.28	-0.00	CO 10
				Min M _z	-0.90	-0.02	-0.94	-0.00	-0.96	-0.01	CO 7
				Max N	-1.57	-0.02	4.21	-0.00	2.20	0.02	CO 3
				Min N	-2.35	-0.01	1.15	-0.00	0.60	0.01	CO 14
				Max V _y	-2.27	-0.01	1.15	-0.00	0.60	0.01	CO 10
				Min V _y	-1.64	-0.02	4.21	-0.00	2.20	0.02	CO 7
				Max V _z	-1.64	-0.02	4.21	-0.00	2.20	0.02	CO 7
				Min V _z	-2.27	-0.01	1.15	-0.00	0.60	0.01	CO 10
				Max M _T	-2.26	-0.01	1.15	-0.00	0.60	0.01	CO 9
				Min M _T	-1.66	-0.02	4.21	-0.00	2.20	0.02	CO 8
				Max M _y	-1.64	-0.02	4.21	-0.00	2.20	0.02	CO 7
				Min M _y	-2.27	-0.01	1.15	-0.00	0.60	0.01	CO 10
				Max M _z	-1.64	-0.02	4.21	-0.00	2.20	0.02	CO 7
				Min M _z	-2.27	-0.01	1.15	-0.00	0.60	0.01	CO 10
				Max N	-1.57	-0.02	4.21	-0.00	2.20	0.02	CO 3
				Min N	-2.35	-0.01	1.15	-0.00	0.60	0.01	CO 14
				Max V _y	-2.27	-0.01	1.15	-0.00	0.60	0.01	CO 10
				Min V _y	-1.64	-0.02	4.21	-0.00	2.20	0.02	CO 7
				Max V _z	-1.64	-0.02	4.21	-0.00	2.20	0.02	CO 7
				Min V _z	-2.27	-0.01	1.15	-0.00	0.60	0.01	CO 10
				Max M _T	-2.26	-0.01	1.15	-0.00	0.60	0.01	CO 9
				Min M _T	-1.66	-0.02	4.21	-0.00	2.20	0.02	CO 8
				Max M _y	-1.64	-0.02	4.21	-0.00	2.20	0.02	CO 7
				Min M _y	-2.27	-0.01	1.15	-0.00	0.60	0.01	CO 10
				Max M _z	-1.64	-0.02	4.21	-0.00	2.20	0.02	CO 7
				Min M _z	-2.27	-0.01	1.15	-0.00	0.60	0.01	CO 10
				Max N	-0.29	-0.01	-2.52	-0.00	1.43	-0.02	CO 17
				Min N	-0.87	-0.00	-0.76	-0.00	0.38	-0.01	CO 28
				Max V _y	-0.81	-0.00	-0.76	-0.00	0.39	-0.01	CO 24
				Min V _y	-0.35	-0.01	-2.52	-0.00	1.43	-0.02	CO 21
				Max V _z	-0.86	-0.00	-0.76	-0.00	0.38	-0.01	CO 27
				Min V _z	-0.31	-0.01	-2.52	-0.00	1.43	-0.02	CO 18
				Max M _T	-0.80	-0.00	-0.76	-0.00	0.38	-0.01	CO 23
				Min M _T	-0.36	-0.01	-2.52	-0.00	1.43	-0.02	CO 22
				Max M _y	-0.31	-0.01	-2.52	-0.00	1.43	-0.02	CO 18
				Min M _y	-0.86	-0.00	-0.76	-0.00	0.38	-0.01	CO 27
				Max M _z	-0.81	-0.00	-0.76	-0.00	0.39	-0.01	CO 24
				Min M _z	-0.35	-0.01	-2.52	-0.00	1.43	-0.02	CO 21
				Max N	-0.29	-0.01	-2.52	-0.00	1.43	-0.02	CO 17
				Min N	-0.87	-0.00	-0.76	-0.00	0.38	-0.01	CO 28
				Max V _y	-0.81	-0.00	-0.76	-0.00	0.39	-0.01	CO 24
				Min V _y	-0.35	-0.01	-2.52	-0.00	1.43	-0.02	CO 21
				Max V _z	-0.86	-0.00	-0.76	-0.00	0.38	-0.01	CO 27
				Min V _z	-0.31	-0.01	-2.52	-0.00	1.43	-0.02	CO 18
				Max M _T	-0.80	-0.00	-0.76	-0.00	0.38	-0.01	CO 23
				Min M _T	-0.36	-0.01	-2.52	-0.00	1.43	-0.02	CO 22
				Max M _y	-0.31	-0.01	-2.52	-0.00	1.43	-0.02	CO 18
				Min M _y	-0.86	-0.00	-0.76	-0.00	0.38	-0.01	CO 27
				Max M _z	-0.81	-0.00	-0.76	-0.00	0.39	-0.01	CO 24
				Min M _z	-0.35	-0.01	-2.52	-0.00	1.43	-0.02	CO 21
				Max N	-0.34	-0.01	-2.36	-0.00	0.98	-0.02	CO 17
				Min N	-0.91	-0.00	-0.67	-0.00	0.25	-0.01	CO 28
				Max V _y	-0.86	-0.00	-0.67	-0.00	0.25	-0.01	CO 24
				Min V _y	-0.39	-0.01	-2.36	-0.00	0.98	-0.02	CO 21
				Max V _z	-0.90	-0.00	-0.67	-0.00	0.25	-0.01	CO 27
				Min V _z	-0.35	-0.01	-2.37	-0.00	0.98	-0.02	CO 18
				Max M _T	-0.85	-0.00	-0.67	-0.00	0.25	-0.01	CO 23
				Min M _T	-0.40	-0.01	-2.36	-0.00	0.98	-0.02	CO 22
				Max M _y	-0.35	-0.01	-2.37	-0.00	0.98	-0.02	CO 18
				Min M _y	-0.90	-0.00	-0.67	-0.00	0.25	-0.01	CO 27
				Max M _z	-0.86	-0.00	-0.67	-0.00	0.25	-0.01	CO 24
				Min M _z	-0.39	-0.01	-2.36	-0.00	0.98	-0.02	CO 21
				Max N	-0.34	-0.01	-2.36	-0.00	0.98	-0.02	CO 17
				Min N	-0.91	-0.00	-0.67	-0.00	0.25	-0.01	CO 28
				Max V _y	-0.86	-0.00	-0.67	-0.00	0.25	-0.01	CO 24
				Min V _y	-0.39	-0.01	-2.36	-0.00	0.98	-0.02	CO 21
				Max V _z	-0.90	-0.00	-0.67	-0.00	0.25	-0.01	CO 27
				Min V _z	-0.35	-0.01	-2.37	-0.00	0.98	-0.02	CO 18
				Max M _T	-0.85	-0.00	-0.67	-0.00	0.25	-0.01	CO 23
				Min M _T	-0.40	-0.01	-2.36	-0.00	0.98	-0.02	CO 22
				Max M _y	-0.35	-0.01	-2.37	-0.00	0.98	-0.02	CO 18
				Min M _y	-0.90	-0.00	-0.67	-0.00	0.25	-0.01	CO 27
				Max M _z	-0.86	-0.00	-0.67	-0.00	0.25	-0.01	CO 24
				Min M _z	-0.39	-0.01	-2.36	-0.00	0.98	-0.02	CO 21
				Max N	-0.61	-0.01	-0.68	-0.00	-0.69	-0.01	CO 17
				Min N	-1.19	-0.00	-0.16	-0.00	-0.19	-0.00	CO 28
				Max V _y	-1.13	-0.00	-0.16	-0.00	-0.19	-0.00	CO 24
				Min V _y	-0.67	-0.01	-0.68	-0.00	-0.69	-0.01	CO 21
				Max V _z	-1.18	-0.00	-0.16	-0.00	-0.19	-0.00	CO 27



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
122	RC2			Min V _z	-0.63	-0.01	▷	-0.68	-0.00	-0.69	-0.01	CO 18
				Max M _T	-1.12	-0.00	▷	-0.16	-0.00	-0.19	-0.00	CO 23
				Min M _T	-0.68	-0.01	▷	-0.68	-0.00	-0.69	-0.01	CO 22
				Max M _y	-1.12	-0.00	▷	-0.16	-0.00	-0.19	-0.00	CO 23
				Min M _y	-0.68	-0.01	▷	-0.68	-0.00	-0.69	-0.01	CO 22
				Max M _z	-1.13	-0.00	▷	-0.16	-0.00	-0.19	-0.00	CO 24
				Min M _z	-0.67	-0.01	▷	-0.68	-0.00	-0.69	-0.01	CO 21
				Max N	-0.61	-0.01	▷	-0.68	-0.00	-0.69	-0.01	CO 17
				Min N	-1.19	-0.00	▷	-0.16	-0.00	-0.19	-0.00	CO 28
				Max V _y	-1.13	-0.00	▷	-0.16	-0.00	-0.19	-0.00	CO 24
				Min V _y	-0.67	-0.01	▷	-0.68	-0.00	-0.69	-0.01	CO 21
				Max V _z	-1.18	-0.00	▷	-0.16	-0.00	-0.19	-0.00	CO 27
				Min V _z	-0.63	-0.01	▷	-0.68	-0.00	-0.69	-0.01	CO 18
				Max M _T	-1.12	-0.00	▷	-0.16	-0.00	-0.19	-0.00	CO 23
				Min M _T	-0.68	-0.01	▷	-0.68	-0.00	-0.69	-0.01	CO 22
				Max M _y	-1.12	-0.00	▷	-0.16	-0.00	-0.19	-0.00	CO 23
				Min M _y	-0.68	-0.01	▷	-0.68	-0.00	-0.69	-0.01	CO 22
				Max M _z	-1.13	-0.00	▷	-0.16	-0.00	-0.19	-0.00	CO 24
				Min M _z	-0.67	-0.01	▷	-0.68	-0.00	-0.69	-0.01	CO 21
				Max N	-1.11	-0.01	▷	3.04	-0.00	1.59	0.01	CO 17
				Min N	-1.69	-0.00	▷	0.77	-0.00	0.40	0.01	CO 28
				Max V _y	-1.63	-0.00	▷	0.77	-0.00	0.40	0.01	CO 24
				Min V _y	-1.17	-0.01	▷	3.04	-0.00	1.59	0.01	CO 21
				Max V _z	-1.17	-0.01	▷	3.04	-0.00	1.59	0.01	CO 21
				Min V _z	-1.63	-0.00	▷	0.77	-0.00	0.40	0.01	CO 24
				Max M _T	-1.62	-0.00	▷	0.77	-0.00	0.40	0.01	CO 23
				Min M _T	-1.18	-0.01	▷	3.04	-0.00	1.59	0.01	CO 22
				Max M _y	-1.17	-0.01	▷	3.04	-0.00	1.59	0.01	CO 21
				Min M _y	-1.63	-0.00	▷	0.77	-0.00	0.40	0.01	CO 24
				Max M _z	-1.17	-0.01	▷	3.04	-0.00	1.59	0.01	CO 21
				Min M _z	-1.63	-0.00	▷	0.77	-0.00	0.40	0.01	CO 24
				Max N	-1.11	-0.01	▷	3.04	-0.00	1.59	0.01	CO 17
				Min N	-1.69	-0.00	▷	0.77	-0.00	0.40	0.01	CO 28
				Max V _y	-1.63	-0.00	▷	0.77	-0.00	0.40	0.01	CO 24
				Min V _y	-1.17	-0.01	▷	3.04	-0.00	1.59	0.01	CO 21
				Max V _z	-1.17	-0.01	▷	3.04	-0.00	1.59	0.01	CO 21
				Min V _z	-1.63	-0.00	▷	0.77	-0.00	0.40	0.01	CO 24
				Max M _T	-1.62	-0.00	▷	0.77	-0.00	0.40	0.01	CO 23
				Min M _T	-1.18	-0.01	▷	3.04	-0.00	1.59	0.01	CO 22
				Max M _y	-1.17	-0.01	▷	3.04	-0.00	1.59	0.01	CO 21
				Min M _y	-1.63	-0.00	▷	0.77	-0.00	0.40	0.01	CO 24
				Max M _z	-1.17	-0.01	▷	3.04	-0.00	1.59	0.01	CO 21
				Min M _z	-1.63	-0.00	▷	0.77	-0.00	0.40	0.01	CO 24
				Max N	-1.35	-0.01	▷	-1.83	-0.00	1.08	-0.02	LC 1-4
				Min N	-3.50	-0.01	▷	-1.80	-0.00	1.05	-0.01	LC 1-5
				Max V _y	-2.34	-0.01	▷	-1.81	-0.00	1.06	-0.01	LC 1-4
				Min V _y	0.20	-0.01	▷	-1.83	-0.00	1.07	-0.03	LC 1-5
				Max V _z	-3.45	-0.01	▷	-1.80	-0.00	1.05	-0.01	LC 1-5
				Min V _z	1.30	-0.01	▷	-1.83	-0.00	1.08	-0.02	LC 1-4
				Max M _T	-1.73	-0.01	▷	-1.81	-0.00	1.06	-0.02	LC 1-4
				Min M _T	-0.42	-0.01	▷	-1.82	-0.00	1.07	-0.01	LC 1-5
				Max M _y	1.28	-0.01	▷	-1.83	-0.00	1.08	-0.02	LC 1-4
				Min M _y	-3.42	-0.01	▷	-1.80	-0.00	1.05	-0.01	LC 1-5
				Max M _z	-2.20	-0.01	▷	-1.81	-0.00	1.06	-0.01	LC 1-4
				Min M _z	0.05	-0.01	▷	-1.82	-0.00	1.07	-0.03	LC 1-5
				Max N	1.35	-0.01	▷	-1.83	-0.00	1.08	-0.02	LC 1-4
				Min N	-3.50	-0.01	▷	-1.80	-0.00	1.05	-0.01	LC 1-5
				Max V _y	-2.34	-0.01	▷	-1.81	-0.00	1.06	-0.01	LC 1-4
				Min V _y	0.20	-0.01	▷	-1.83	-0.00	1.07	-0.03	LC 1-5
				Max V _z	-3.45	-0.01	▷	-1.80	-0.00	1.05	-0.01	LC 1-5
				Min V _z	1.30	-0.01	▷	-1.83	-0.00	1.08	-0.02	LC 1-4
				Max M _T	-1.73	-0.01	▷	-1.81	-0.00	1.06	-0.02	LC 1-4
				Min M _T	-0.42	-0.01	▷	-1.82	-0.00	1.07	-0.01	LC 1-5
				Max M _y	1.28	-0.01	▷	-1.83	-0.00	1.08	-0.02	LC 1-4
				Min M _y	-3.42	-0.01	▷	-1.80	-0.00	1.05	-0.01	LC 1-5
				Max M _z	-2.20	-0.01	▷	-1.81	-0.00	1.06	-0.01	LC 1-4
				Min M _z	0.05	-0.01	▷	-1.82	-0.00	1.07	-0.03	LC 1-5
				Max N	1.35	-0.01	▷	-1.76	-0.00	0.75	-0.02	LC 1-4
				Min N	-3.50	-0.01	▷	-1.73	-0.00	0.72	-0.01	LC 1-5
				Max V _y	-2.34	-0.01	▷	-1.73	-0.00	0.73	-0.01	LC 1-4
				Min V _y	0.19	-0.01	▷	-1.75	-0.00	0.75	-0.03	LC 1-5
				Max V _z	-3.45	-0.01	▷	-1.73	-0.00	0.72	-0.01	LC 1-5
				Min V _z	1.30	-0.01	▷	-1.76	-0.00	0.76	-0.02	LC 1-4
				Max M _T	-1.73	-0.01	▷	-1.74	-0.00	0.74	-0.02	LC 1-4
				Min M _T	-0.42	-0.01	▷	-1.75	-0.00	0.74	-0.01	LC 1-5
				Max M _y	1.26	-0.01	▷	-1.76	-0.00	0.76	-0.02	LC 1-4
				Min M _y	-3.41	-0.01	▷	-1.73	-0.00	0.72	-0.01	LC 1-5
				Max M _z	-2.18	-0.01	▷	-1.74	-0.00	0.73	-0.01	LC 1-4
				Min M _z	0.03	-0.01	▷	-1.75	-0.00	0.75	-0.03	LC 1-5
				Max N	1.33	-0.01	▷	-0.55	-0.00	-0.52	-0.01	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
122	RC6		Left	Min N	-3.52	-0.01	-0.52	-0.00	-0.52	-0.01	LC 1-5
				Max V _y	-2.36	-0.01	-0.52	-0.00	-0.52	-0.00	LC 1-4
				Min V _y	0.17	-0.01	-0.54	-0.00	-0.52	-0.01	LC 1-5
				Max V _z	-3.47	-0.01	-0.51	-0.00	-0.52	-0.01	LC 1-5
				Min V _z	1.28	-0.01	-0.55	-0.00	-0.52	-0.01	LC 1-4
				Max M _T	-1.75	-0.01	-0.53	-0.00	-0.52	-0.01	LC 1-4
				Min M _T	-0.44	-0.01	-0.54	-0.00	-0.52	-0.00	LC 1-5
				Max M _y	-1.80	-0.01	-0.53	-0.00	-0.52	-0.01	LC 1-4
				Min M _y	-0.39	-0.01	-0.54	-0.00	-0.52	-0.01	LC 1-5
				Max M _z	-1.98	-0.01	-0.53	-0.00	-0.52	-0.00	LC 1-4
				Min M _z	-0.21	-0.01	-0.54	-0.00	-0.52	-0.01	LC 1-5
			1.240 Right	Max N	1.33	-0.01	-0.55	-0.00	-0.52	-0.01	LC 1-4
				Min N	-3.52	-0.01	-0.52	-0.00	-0.52	-0.01	LC 1-5
				Max V _y	-2.36	-0.01	-0.52	-0.00	-0.52	-0.00	LC 1-4
				Min V _y	0.17	-0.01	-0.54	-0.00	-0.52	-0.01	LC 1-5
				Max V _z	-3.47	-0.01	-0.51	-0.00	-0.52	-0.01	LC 1-5
				Min V _z	1.28	-0.01	-0.55	-0.00	-0.52	-0.01	LC 1-4
				Max M _T	-1.75	-0.01	-0.53	-0.00	-0.52	-0.01	LC 1-4
				Min M _T	-0.44	-0.01	-0.54	-0.00	-0.52	-0.00	LC 1-5
				Max M _y	-1.80	-0.01	-0.53	-0.00	-0.52	-0.01	LC 1-4
				Min M _y	-0.39	-0.01	-0.54	-0.00	-0.52	-0.01	LC 1-5
				Max M _z	-1.98	-0.01	-0.53	-0.00	-0.52	-0.00	LC 1-4
				Min M _z	-0.21	-0.01	-0.54	-0.00	-0.52	-0.01	LC 1-5
			3.174 Left	Max N	1.30	-0.01	-0.54	-0.00	-0.52	-0.01	LC 1-5
				Min N	-3.55	-0.01	2.33	-0.00	1.22	0.01	LC 1-5
				Max V _y	-2.39	-0.01	2.32	-0.00	1.20	0.01	LC 1-4
				Min V _y	0.14	-0.01	2.30	-0.00	1.18	0.02	LC 1-5
				Max V _z	-3.50	-0.01	2.33	-0.00	1.22	0.01	LC 1-5
				Min V _z	1.25	-0.01	2.29	-0.00	1.16	0.02	LC 1-4
				Max M _T	-1.78	-0.01	2.32	-0.00	1.20	0.01	LC 1-4
				Min M _T	-0.47	-0.01	2.31	-0.00	1.18	0.01	LC 1-5
				Max M _y	-3.49	-0.01	2.33	-0.00	1.22	0.01	LC 1-5
				Min M _y	1.24	-0.01	2.29	-0.00	1.16	0.01	LC 1-4
				Max M _z	0.37	-0.01	2.30	-0.00	1.18	0.02	LC 1-5
				Min M _z	-2.63	-0.01	2.32	-0.00	1.21	0.01	LC 1-4
		75	3.174 Right	Max N	1.30	-0.01	2.29	-0.00	1.16	0.02	LC 1-4
				Min N	-3.55	-0.01	2.33	-0.00	1.22	0.01	LC 1-5
				Max V _y	-2.39	-0.01	2.32	-0.00	1.20	0.01	LC 1-4
				Min V _y	0.14	-0.01	2.30	-0.00	1.18	0.02	LC 1-5
				Max V _z	-3.50	-0.01	2.33	-0.00	1.22	0.01	LC 1-5
				Min V _z	1.25	-0.01	2.29	-0.00	1.16	0.02	LC 1-4
				Max M _T	-1.78	-0.01	2.32	-0.00	1.20	0.01	LC 1-4
				Min M _T	-0.47	-0.01	2.31	-0.00	1.18	0.01	LC 1-5
				Max M _y	-3.49	-0.01	2.33	-0.00	1.22	0.01	LC 1-5
				Min M _y	1.24	-0.01	2.29	-0.00	1.16	0.01	LC 1-4
				Max M _z	0.37	-0.01	2.30	-0.00	1.18	0.02	LC 1-5
				Min M _z	-2.63	-0.01	2.32	-0.00	1.21	0.01	LC 1-4
125	RC1	77	0.000 Left	Max N	-2.93	0.00	-0.70	0.00	0.20	0.01	CO 10
				Min N	-8.86	0.02	-1.92	0.00	0.57	0.03	CO 7
				Max V _y	-8.82	0.02	-1.92	0.00	0.56	0.03	CO 2
				Min V _y	-2.97	0.00	-0.70	0.00	0.20	0.01	CO 11
				Max V _z	-2.93	0.00	-0.70	0.00	0.20	0.01	CO 10
				Min V _z	-8.86	0.02	-1.92	0.00	0.57	0.03	CO 7
				Max M _T	-8.78	0.02	-1.92	0.00	0.56	0.03	CO 4
				Min M _T	-3.00	0.00	-0.70	0.00	0.20	0.01	CO 13
				Max M _y	-8.86	0.02	-1.92	0.00	0.57	0.03	CO 7
				Min M _y	-2.93	0.00	-0.70	0.00	0.20	0.01	CO 10
				Max M _z	-8.82	0.02	-1.92	0.00	0.56	0.03	CO 2
				Min M _z	-2.97	0.00	-0.70	0.00	0.20	0.01	CO 11
			0.000 Right	Max N	-2.93	0.00	-0.70	0.00	0.20	0.01	CO 10
				Min N	-8.86	0.02	-1.92	0.00	0.57	0.03	CO 7
				Max V _y	-8.82	0.02	-1.92	0.00	0.56	0.03	CO 2
				Min V _y	-2.97	0.00	-0.70	0.00	0.20	0.01	CO 11
				Max V _z	-2.93	0.00	-0.70	0.00	0.20	0.01	CO 10
				Min V _z	-8.86	0.02	-1.92	0.00	0.57	0.03	CO 7
				Max M _T	-8.78	0.02	-1.92	0.00	0.56	0.03	CO 4
				Min M _T	-3.00	0.00	-0.70	0.00	0.20	0.01	CO 13
				Max M _y	-8.86	0.02	-1.92	0.00	0.57	0.03	CO 7
				Min M _y	-2.93	0.00	-0.70	0.00	0.20	0.01	CO 10
				Max M _z	-8.82	0.02	-1.92	0.00	0.56	0.03	CO 2
				Min M _z	-2.97	0.00	-0.70	0.00	0.20	0.01	CO 11
			0.174 Left	Max N	-3.00	0.01	-0.58	0.00	0.09	0.01	CO 10
				Min N	-8.92	0.02	-1.71	0.00	0.25	0.02	CO 7
				Max V _y	-8.88	0.02	-1.71	0.00	0.24	0.02	CO 2
				Min V _y	-3.03	0.00	-0.58	0.00	0.09	0.01	CO 11
				Max V _z	-3.00	0.01	-0.58	0.00	0.09	0.01	CO 10
				Min V _z	-8.92	0.02	-1.71	0.00	0.25	0.02	CO 7
				Max M _T	-8.85	0.02	-1.71	0.00	0.24	0.02	CO 4
				Min M _T	-3.07	0.00	-0.58	0.00	0.09	0.01	CO 13
				Max M _y	-8.88	0.02	-1.71	0.00	0.25	0.02	CO 5
				Min M _y	-3.00	0.01	-0.58	0.00	0.09	0.01	CO 10
				Max M _z	-8.88	0.02	-1.71	0.00	0.24	0.02	CO 2
				Min M _z	-3.03	0.00	-0.58	0.00	0.09	0.01	CO 11
			0.174 Right	Max N	-3.00	0.01	-0.58	0.00	0.09	0.01	CO 10
				Min N	-8.92	0.02	-1.71	0.00	0.25	0.02	CO 7
				Max V _y	-8.88	0.02	-1.71	0.00	0.24	0.02	CO 2
				Min V _y	-3.03	0.00	-0.58	0.00	0.09	0.01	CO 11
				Max V _z	-3.00	0.01	-0.58	0.00	0.09	0.01	CO 10
				Min V _z	-8.92	0.02	-1.71	0.00	0.25	0.02	CO 7
				Max M _T	-8.85	0.02	-1.71	0.00	0.24	0.02	CO 4
				Min M _T	-3.07	0.00	-0.58	0.00	0.09	0.01	CO 13
				Max M _y	-8.88	0.02	-1.71	0.00	0.25	0.02	CO 5

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
125	RC1		1.233 Left	Min M _y	-3.00	0.01	-0.58	0.00	0.09	0.01	CO 10
				Max M _z	-8.88	0.02	-1.71	0.00	0.24	0.02	CO 2
				Min M _z	-3.03	0.00	-0.58	0.00	0.09	0.00	CO 11
				Max N	-3.40	0.01	0.19	0.00	-0.12	-0.00	CO 10
				Min N	-9.33	0.02	0.63	0.00	-0.41	-0.00	CO 7
				Max V _y	-9.29	0.03	0.63	0.00	-0.41	-0.00	CO 2
				Min V _y	-3.44	0.01	0.18	0.00	-0.12	-0.00	CO 11
				Max V _z	-9.29	0.03	0.63	0.00	-0.41	-0.00	CO 2
				Min V _z	-3.48	0.01	0.18	0.00	-0.12	-0.00	CO 13
				Max M _T	-9.25	0.03	0.63	0.00	-0.41	-0.00	CO 4
				Min M _T	-3.48	0.01	0.18	0.00	-0.12	-0.00	CO 13
				Max M _y	-3.44	0.01	0.18	0.00	-0.12	-0.00	CO 11
				Min M _y	-9.29	0.03	0.63	0.00	-0.41	-0.00	CO 2
				Max M _z	-3.42	0.01	0.18	0.00	-0.12	-0.00	CO 9
				Min M _z	-9.31	0.03	0.63	0.00	-0.41	-0.00	CO 8
				Max N	-3.40	0.01	0.19	0.00	-0.12	-0.00	CO 10
				Min N	-9.33	0.02	0.63	0.00	-0.41	-0.00	CO 7
				Max V _y	-9.29	0.03	0.63	0.00	-0.41	-0.00	CO 2
				Min V _y	-3.44	0.01	0.18	0.00	-0.12	-0.00	CO 11
				Max V _z	-9.29	0.03	0.63	0.00	-0.41	-0.00	CO 2
				Min V _z	-3.48	0.01	0.18	0.00	-0.12	-0.00	CO 13
				Max M _T	-9.25	0.03	0.63	0.00	-0.41	-0.00	CO 4
				Min M _T	-3.48	0.01	0.18	0.00	-0.12	-0.00	CO 13
				Max M _y	-3.44	0.01	0.18	0.00	-0.12	-0.00	CO 11
				Min M _y	-9.29	0.03	0.63	0.00	-0.41	-0.00	CO 2
				Max M _z	-3.42	0.01	0.18	0.00	-0.12	-0.00	CO 9
				Min M _z	-9.31	0.03	0.63	0.00	-0.41	-0.00	CO 8
				Max N	-3.74	0.01	0.82	0.00	0.33	-0.01	CO 10
				Min N	-9.67	0.02	2.95	0.00	1.18	-0.02	CO 7
				Max V _y	-9.63	0.02	2.95	0.00	1.18	-0.02	CO 2
				Min V _y	-3.78	0.00	0.82	0.00	0.32	-0.00	CO 11
				Max V _z	-9.63	0.02	2.95	0.00	1.18	-0.02	CO 2
				Min V _z	-3.82	0.00	0.82	0.00	0.32	-0.00	CO 13
				Max M _T	-9.59	0.02	2.95	0.00	1.18	-0.02	CO 4
				Min M _T	-3.82	0.00	0.82	0.00	0.32	-0.00	CO 13
				Max M _y	-9.61	0.02	2.95	0.00	1.18	-0.02	CO 6
				Min M _y	-3.82	0.00	0.82	0.00	0.32	-0.00	CO 13
				Max M _z	-3.76	0.00	0.82	0.00	0.32	-0.00	CO 9
				Min M _z	-9.65	0.02	2.95	0.00	1.18	-0.02	CO 8
				Max N	-3.74	0.01	0.82	0.00	0.33	-0.01	CO 10
				Min N	-9.67	0.02	2.95	0.00	1.18	-0.02	CO 7
				Max V _y	-9.63	0.02	2.95	0.00	1.18	-0.02	CO 2
				Min V _y	-3.78	0.00	0.82	0.00	0.32	-0.00	CO 11
				Max V _z	-9.63	0.02	2.95	0.00	1.18	-0.02	CO 2
				Min V _z	-3.82	0.00	0.82	0.00	0.32	-0.00	CO 13
				Max M _T	-9.59	0.02	2.95	0.00	1.18	-0.02	CO 4
				Min M _T	-3.82	0.00	0.82	0.00	0.32	-0.00	CO 13
				Max M _y	-9.61	0.02	2.95	0.00	1.18	-0.02	CO 6
				Min M _y	-3.82	0.00	0.82	0.00	0.32	-0.00	CO 13
				Max M _z	-3.76	0.00	0.82	0.00	0.32	-0.00	CO 9
				Min M _z	-9.65	0.02	2.95	0.00	1.18	-0.02	CO 8
				Max N	-2.01	0.00	-0.47	0.00	0.14	0.00	CO 24
				Min N	-6.40	0.01	-1.37	0.00	0.41	0.02	CO 21
				Max V _y	-6.37	0.02	-1.37	0.00	0.40	0.02	CO 16
				Min V _y	-2.04	0.00	-0.47	0.00	0.14	0.00	CO 25
				Max V _z	-2.01	0.00	-0.47	0.00	0.14	0.00	CO 24
				Min V _z	-6.40	0.01	-1.37	0.00	0.41	0.02	CO 21
				Max M _T	-6.34	0.01	-1.37	0.00	0.40	0.02	CO 18
				Min M _T	-2.07	0.00	-0.47	0.00	0.14	0.00	CO 27
				Max M _y	-6.40	0.01	-1.37	0.00	0.41	0.02	CO 21
				Min M _y	-2.01	0.00	-0.47	0.00	0.14	0.00	CO 24
				Max M _z	-6.37	0.02	-1.37	0.00	0.40	0.02	CO 16
				Min M _z	-2.04	0.00	-0.47	0.00	0.14	0.00	CO 25
				Max N	-2.01	0.00	-0.47	0.00	0.14	0.00	CO 24
				Min N	-6.40	0.01	-1.37	0.00	0.41	0.02	CO 21
				Max V _y	-6.37	0.02	-1.37	0.00	0.40	0.02	CO 16
				Min V _y	-2.04	0.00	-0.47	0.00	0.14	0.00	CO 25
				Max V _z	-2.01	0.00	-0.47	0.00	0.14	0.00	CO 24
				Min V _z	-6.40	0.01	-1.37	0.00	0.41	0.02	CO 21
				Max M _T	-6.34	0.01	-1.37	0.00	0.40	0.02	CO 18
				Min M _T	-2.07	0.00	-0.47	0.00	0.14	0.00	CO 27
				Max M _y	-6.40	0.01	-1.37	0.00	0.41	0.02	CO 21
				Min M _y	-2.01	0.00	-0.47	0.00	0.14	0.00	CO 24
				Max M _z	-6.37	0.02	-1.37	0.00	0.40	0.02	CO 16
				Min M _z	-2.04	0.00	-0.47	0.00	0.14	0.00	CO 25
				Max N	-2.06	0.00	-0.39	0.00	0.06	0.00	CO 24
				Min N	-6.44	0.02	-1.23	0.00	0.18	0.02	CO 21
				Max V _y	-6.41	0.02	-1.22	0.00	0.17	0.02	CO 16
				Min V _y	-2.09	0.00	-0.39	0.00	0.06	0.00	CO 25
				Max V _z	-2.06	0.00	-0.39	0.00	0.06	0.00	CO 24
Min V _z	-6.44	0.02	-1.23	0.00	0.18	0.02	CO 21				
Max M _T	-6.39	0.02	-1.22	0.00	0.17	0.02	CO 18				
Min M _T	-2.11	0.00	-0.39	0.00	0.06	0.00	CO 27				
Max M _y	-6.41	0.02	-1.22	0.00	0.18	0.02	CO 19				
Min M _y	-2.06	0.00	-0.39	0.00	0.06	0.00	CO 24				
Max M _z	-6.41	0.02	-1.22	0.00	0.17	0.02	CO 16				
Min M _z	-2.09	0.00	-0.39	0.00	0.06	0.00	CO 25				
Max N	-2.06	0.00	-0.39	0.00	0.06	0.00	CO 24				
Min N	-6.44	0.02	-1.23	0.00	0.18	0.02	CO 21				
Max V _y	-6.41	0.02	-1.22	0.00	0.17	0.02	CO 16				
Min V _y	-2.09	0.00	-0.39	0.00	0.06	0.00	CO 25				
Max V _z	-2.06	0.00	-0.39	0.00	0.06	0.00	CO 24				

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding			
				N	V _y	V _z	M _T	M _y	M _z	Load Cases					
125	RC2			Min V _z	-6.44	0.02	▷	-1.23	0.00	0.18	0.02	CO 21			
				Max M _T	-6.39	0.02	▷	-1.22	0.00	0.17	0.02	CO 18			
				Min M _T	-2.11	0.00	▷	-0.39	0.00	0.06	0.00	CO 27			
				Max M _y	-6.41	0.02	▷	-1.22	0.00	0.18	0.02	CO 19			
				Min M _y	-2.06	0.00	▷	-0.39	0.00	0.06	0.00	CO 24			
				Max M _z	-6.41	0.02	▷	-1.22	0.00	0.17	▷	0.02	CO 16		
				Min M _z	-2.09	0.00	▷	-0.39	0.00	0.06	▷	0.00	CO 25		
				1.233 Left	Max N	-2.33	0.00	▷	0.12	0.00	-0.08	-0.00	CO 24		
					Min N	-6.71	0.02	▷	0.45	0.00	-0.30	-0.00	CO 21		
					Max V _y	-6.69	▷	0.02	0.45	0.00	-0.30	-0.00	CO 16		
					Min V _y	-2.36	▷	0.00	0.12	0.00	-0.08	-0.00	CO 25		
					Max V _z	-6.69	0.02	▷	0.45	0.00	-0.30	-0.00	CO 16		
					Min V _z	-2.39	0.00	▷	0.12	0.00	-0.08	-0.00	CO 27		
					Max M _T	-6.66	0.02	▷	0.45	0.00	-0.30	-0.00	CO 18		
					Min M _T	-2.39	0.00	▷	0.12	0.00	-0.08	-0.00	CO 27		
					Max M _y	-2.36	0.00	▷	0.12	0.00	-0.08	-0.00	CO 25		
					Min M _y	-6.69	0.02	▷	0.45	0.00	-0.30	-0.00	CO 16		
					Max M _z	-2.35	0.00	▷	0.12	0.00	-0.08	▷	-0.00	CO 23	
					Min M _z	-6.70	0.02	▷	0.45	0.00	-0.30	▷	-0.00	CO 22	
				1.233 Right	Max N	-2.33	0.00	▷	0.12	0.00	-0.08	-0.00	CO 24		
					Min N	-6.71	0.02	▷	0.45	0.00	-0.30	-0.00	CO 21		
					Max V _y	-6.69	▷	0.02	0.45	0.00	-0.30	-0.00	CO 16		
					Min V _y	-2.36	▷	0.00	0.12	0.00	-0.08	-0.00	CO 25		
					Max V _z	-6.69	0.02	▷	0.45	0.00	-0.30	-0.00	CO 16		
					Min V _z	-2.39	0.00	▷	0.12	0.00	-0.08	-0.00	CO 27		
					Max M _T	-6.66	0.02	▷	0.45	0.00	-0.30	-0.00	CO 18		
					Min M _T	-2.39	0.00	▷	0.12	0.00	-0.08	-0.00	CO 27		
					Max M _y	-2.36	0.00	▷	0.12	0.00	-0.08	-0.00	CO 25		
					Min M _y	-6.69	0.02	▷	0.45	0.00	-0.30	-0.00	CO 16		
					Max M _z	-2.35	0.00	▷	0.12	0.00	-0.08	▷	-0.00	CO 23	
					Min M _z	-6.70	0.02	▷	0.45	0.00	-0.30	▷	-0.00	CO 22	
				2.116 Left	Max N	-2.56	0.00	▷	0.55	0.00	0.22	-0.00	CO 24		
					Min N	-6.94	0.02	▷	2.13	0.00	0.85	-0.02	CO 21		
					Max V _y	-6.92	▷	0.02	2.13	0.00	0.85	-0.02	CO 16		
					Min V _y	-2.59	▷	0.00	0.55	0.00	0.22	-0.00	CO 25		
					Max V _z	-6.89	0.02	▷	2.13	0.00	0.85	-0.02	CO 18		
					Min V _z	-2.62	0.00	▷	0.55	0.00	0.22	-0.00	CO 27		
					Max M _T	-6.89	0.02	▷	2.13	0.00	0.85	-0.02	CO 18		
					Min M _T	-2.62	0.00	▷	0.55	0.00	0.22	-0.00	CO 27		
					Max M _y	-6.90	0.02	▷	2.13	0.00	0.85	-0.02	CO 20		
					Min M _y	-2.62	0.00	▷	0.55	0.00	0.22	-0.00	CO 27		
					Max M _z	-2.57	0.00	▷	0.55	0.00	0.22	▷	-0.00	CO 23	
					Min M _z	-6.93	0.02	▷	2.13	0.00	0.85	▷	-0.02	CO 22	
				79	2.116 Right	Max N	-2.56	0.00	▷	0.55	0.00	0.22	-0.00	CO 24	
						Min N	-6.94	0.02	▷	2.13	0.00	0.85	-0.02	CO 21	
						Max V _y	-6.92	▷	0.02	2.13	0.00	0.85	-0.02	CO 16	
						Min V _y	-2.59	▷	0.00	0.55	0.00	0.22	-0.00	CO 25	
						Max V _z	-6.89	0.02	▷	2.13	0.00	0.85	-0.02	CO 18	
						Min V _z	-2.62	0.00	▷	0.55	0.00	0.22	-0.00	CO 27	
						Max M _T	-6.89	0.02	▷	2.13	0.00	0.85	-0.02	CO 18	
						Min M _T	-2.62	0.00	▷	0.55	0.00	0.22	-0.00	CO 27	
						Max M _y	-6.90	0.02	▷	2.13	0.00	0.85	-0.02	CO 20	
						Min M _y	-2.62	0.00	▷	0.55	0.00	0.22	-0.00	CO 27	
						Max M _z	-2.57	0.00	▷	0.55	0.00	0.22	▷	-0.00	CO 23
						Min M _z	-6.93	0.02	▷	2.13	0.00	0.85	▷	-0.02	CO 22
	RC6	77	0.000 Left		Max N	-3.42	0.01	▷	-0.96	0.00	0.29	0.01	LC 1-4		
					Min N	-6.83	0.02	▷	-0.92	0.00	0.29	0.02	LC 1-5		
					Max V _y	-5.94	▷	0.02	-0.89	0.00	0.22	0.03	LC 1-4		
					Min V _y	-4.32	▷	-0.00	-1.00	0.00	0.36	-0.00	LC 1-5		
					Max V _z	-5.85	0.02	▷	-0.89	0.00	0.22	0.03	LC 1-4		
					Min V _z	-4.40	-0.00	▷	-1.00	0.00	0.36	-0.00	LC 1-5		
					Max M _T	-3.48	0.01	▷	-0.96	0.00	0.29	0.01	LC 1-5		
					Min M _T	-6.77	0.02	▷	-0.93	0.00	0.30	0.02	LC 1-4		
					Max M _y	-4.86	0.00	▷	-0.99	0.00	0.37	0.00	LC 1-5		
					Min M _y	-5.39	0.02	▷	-0.89	0.00	0.22	0.03	LC 1-4		
					Max M _z	-5.83	0.02	▷	-0.89	0.00	0.22	▷	0.03	LC 1-4	
					Min M _z	-4.42	-0.00	▷	-1.00	0.00	0.36	▷	-0.00	LC 1-5	
				0.000 Right	Max N	-3.42	0.01	▷	-0.96	0.00	0.29	0.01	LC 1-4		
					Min N	-6.83	0.02	▷	-0.92	0.00	0.29	0.02	LC 1-5		
					Max V _y	-5.94	▷	0.02	-0.89	0.00	0.22	0.03	LC 1-4		
					Min V _y	-4.32	▷	-0.00	-1.00	0.00	0.36	-0.00	LC 1-5		
					Max V _z	-5.85	0.02	▷	-0.89	0.00	0.22	0.03	LC 1-4		
					Min V _z	-4.40	-0.00	▷	-1.00	0.00	0.36	-0.00	LC 1-5		
					Max M _T	-3.48	0.01	▷	-0.96	0.00	0.29	0.01	LC 1-5		
					Min M _T	-6.77	0.02	▷	-0.93	0.00	0.30	0.02	LC 1-4		
					Max M _y	-4.86	0.00	▷	-0.99	0.00	0.37	0.00	LC 1-5		
					Min M _y	-5.39	0.02	▷	-0.89	0.00	0.22	0.03	LC 1-4		
					Max M _z	-5.83	0.02	▷	-0.89	0.00	0.22	▷	0.03	LC 1-4	
					Min M _z	-4.42	-0.00	▷	-1.00	0.00	0.36	▷	-0.00	LC 1-5	
				0.174 Left	Max N	-3.42	0.01	▷	-0.89	0.00	0.13	0.01	LC 1-4		
					Min N	-6.84	0.02	▷	-0.85	0.00	0.14	0.01	LC 1-5		
					Max V _y	-5.94	▷	0.02	-0.82	0.00	0.07	0.02	LC 1-4		
					Min V _y	-4.32	▷	-0.00	-0.93	0.00	0.19	-0.00	LC 1-5		
					Max V _z	-5.86	0.02	▷	-0.82	0.00	0.07	0.02	LC 1-4		
					Min V _z	-4.40	-0.00	▷	-0.93	0.00	0.19	-0.00	LC 1-5		
					Max M _T	-3.48	0.01	▷	-0.89	0.00	0.12	0.01	LC 1-5		
					Min M _T	-6.77	0.02	▷	-0.86	0.00	0.14	0.01	LC 1-4		
					Max M _y	-4.91	0.00	▷	-0.92	0.00	0.20	0.00	LC 1-5		
					Min M _y	-5.35	0.02	▷	-0.82	0.00	0.07	0.02	LC 1-4		
					Max M _z	-5.81	0.02	▷	-0.82	0.00	0.07	▷	0.02	LC 1-4	
					Min M _z	-4.45	-0.00	▷	-0.93	0.00	0.19	▷	-0.00	LC 1-5	
				0.174	Max N	-3.42	0.01	▷	-0.89	0.00	0.13	0.01	LC 1-4		

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
125	RC6		Right	Min N	▷	-6.84	0.02	-0.85	0.00	0.14	0.01	LC 1-5	
				Max V _y	▷	-5.94	0.02	-0.82	0.00	0.07	0.02	LC 1-4	
				Min V _y	▷	-4.32	-0.00	-0.93	0.00	0.19	-0.00	LC 1-5	
				Max V _z		-5.86	0.02	-0.82	0.00	0.07	0.02	LC 1-4	
				Min V _z		-4.40	-0.00	-0.93	0.00	0.19	-0.00	LC 1-5	
				Max M _T		-3.48	0.01	-0.89	▷	0.00	0.12	0.01	LC 1-5
				Min M _T		-6.77	0.02	-0.86	▷	0.00	0.14	0.01	LC 1-4
				Max M _y		-4.91	0.00	-0.92	0.00	▷	0.20	0.00	LC 1-5
				Min M _y		-5.35	0.02	-0.82	0.00	▷	0.07	0.02	LC 1-4
				Max M _z		-5.81	0.02	-0.82	0.00	▷	0.07	0.02	LC 1-4
			1.233 Left	Min M _z		-4.45	-0.00	-0.93	0.00	▷	0.19	-0.00	LC 1-5
				Max N	▷	-3.44	0.01	0.29	0.00	-0.25	0.00	LC 1-4	
				Min N	▷	-6.86	0.02	0.33	0.00	-0.20	-0.00	LC 1-5	
				Max V _y	▷	-5.96	0.02	0.37	0.00	-0.23	-0.00	LC 1-4	
				Min V _y	▷	-4.34	-0.00	0.26	0.00	-0.22	0.00	LC 1-5	
				Max V _z		-5.87	0.02	0.37	0.00	-0.23	-0.00	LC 1-4	
				Min V _z		-4.42	-0.00	0.26	0.00	-0.22	0.00	LC 1-5	
				Max M _T		-3.50	0.01	0.30	▷	0.00	-0.25	0.00	LC 1-5
				Min M _T		-6.79	0.02	0.33	▷	0.00	-0.20	-0.00	LC 1-4
				Max M _y		-6.62	0.01	0.31	▷	0.00	-0.20	-0.00	LC 1-5
			1.233 Right	Min M _y		-3.68	0.01	0.31	▷	-0.25	0.00	LC 1-4	
				Max M _z		-3.55	0.01	0.29	0.00	-0.25	0.00	LC 1-5	
				Min M _z		-6.74	0.02	0.34	0.00	-0.20	-0.00	LC 1-4	
				Max N	▷	-3.44	0.01	0.29	0.00	-0.25	0.00	LC 1-4	
				Min N	▷	-6.86	0.02	0.33	0.00	-0.20	-0.00	LC 1-5	
				Max V _y	▷	-5.96	0.02	0.37	0.00	-0.23	-0.00	LC 1-4	
				Min V _y	▷	-4.34	-0.00	0.26	0.00	-0.22	0.00	LC 1-5	
				Max V _z		-5.87	0.02	0.37	0.00	-0.23	-0.00	LC 1-4	
				Min V _z		-4.42	-0.00	0.26	0.00	-0.22	0.00	LC 1-5	
				Max M _T		-3.50	0.01	0.30	▷	0.00	-0.25	0.00	LC 1-5
			2.116 Left	Min M _T		-6.79	0.02	0.33	▷	0.00	-0.20	-0.00	LC 1-4
				Max M _y		-6.62	0.01	0.31	▷	0.00	-0.20	-0.00	LC 1-5
				Min M _y		-3.68	0.01	0.31	▷	-0.25	0.00	LC 1-4	
				Max M _z		-3.55	0.01	0.29	0.00	-0.25	0.00	LC 1-5	
				Min M _z		-6.74	0.02	0.34	0.00	-0.20	-0.00	LC 1-4	
				Max N	▷	-3.45	0.01	1.58	0.00	0.57	-0.00	LC 1-4	
				Min N	▷	-6.87	0.02	1.62	0.00	0.66	-0.02	LC 1-5	
				Max V _y	▷	-5.97	0.02	1.65	0.00	0.66	-0.02	LC 1-4	
				Min V _y	▷	-4.35	-0.00	1.55	0.00	0.57	0.00	LC 1-5	
				Max V _z		-5.89	0.02	1.66	0.00	0.66	-0.02	LC 1-4	
			2.116 Right	Min V _z		-4.43	-0.00	1.54	0.00	0.57	0.00	LC 1-5	
				Max M _T		-3.52	0.01	1.58	▷	0.00	0.58	-0.01	LC 1-5
				Min M _T		-6.81	0.02	1.62	▷	0.00	0.66	-0.02	LC 1-4
				Max M _y		-6.21	0.02	1.65	▷	0.00	0.67	-0.02	LC 1-5
				Min M _y		-4.12	-0.00	1.55	▷	0.00	0.57	0.00	LC 1-4
				Max M _z		-4.27	-0.00	1.55	▷	0.00	0.57	0.00	LC 1-5
				Min M _z		-6.06	0.02	1.65	▷	0.00	0.67	-0.02	LC 1-4
				Max N	▷	-3.45	0.01	1.58	0.00	0.57	-0.00	LC 1-4	
				Min N	▷	-6.87	0.02	1.62	0.00	0.66	-0.02	LC 1-5	
				Max V _y	▷	-5.97	0.02	1.65	0.00	0.66	-0.02	LC 1-4	
79	0.000 Left	Min V _y	▷	-4.35	-0.00	1.55	0.00	0.57	0.00	LC 1-5			
		Max V _z		-5.89	0.02	1.66	0.00	0.66	-0.02	LC 1-4			
		Min V _z		-4.43	-0.00	1.54	0.00	0.57	0.00	LC 1-5			
		Max M _T		-3.52	0.01	1.58	▷	0.00	0.58	-0.01	LC 1-5		
		Min M _T		-6.81	0.02	1.62	▷	0.00	0.66	-0.02	LC 1-4		
		Max M _y		-6.21	0.02	1.65	▷	0.00	0.67	-0.02	LC 1-5		
		Min M _y		-4.12	-0.00	1.55	▷	0.00	0.57	0.00	LC 1-4		
		Max M _z		-4.27	-0.00	1.55	▷	0.00	0.57	0.00	LC 1-5		
		Min M _z		-6.06	0.02	1.65	▷	0.00	0.67	-0.02	LC 1-4		
		Max N	▷	-3.45	0.01	1.58	0.00	0.57	-0.00	LC 1-4			
	0.000 Right	Min N	▷	-6.87	0.02	1.62	0.00	0.66	-0.02	LC 1-5			
		Max V _y	▷	-5.97	0.02	1.65	0.00	0.66	-0.02	LC 1-4			
		Min V _y	▷	-4.35	-0.00	1.55	0.00	0.57	0.00	LC 1-5			
		Max V _z		-5.89	0.02	1.66	0.00	0.66	-0.02	LC 1-4			
		Min V _z		-4.43	-0.00	1.54	0.00	0.57	0.00	LC 1-5			
		Max M _T		-3.52	0.01	1.58	▷	0.00	0.58	-0.01	LC 1-5		
		Min M _T		-6.81	0.02	1.62	▷	0.00	0.66	-0.02	LC 1-4		
		Max M _y		-6.21	0.02	1.65	▷	0.00	0.67	-0.02	LC 1-5		
		Min M _y		-4.12	-0.00	1.55	▷	0.00	0.57	0.00	LC 1-4		
		Max M _z		-4.27	-0.00	1.55	▷	0.00	0.57	0.00	LC 1-5		
81	0.000 Left	Min M _z		-6.06	0.02	1.65	▷	0.00	0.67	-0.02	LC 1-4		
		Max N	▷	-2.06	0.00	-0.32	-0.00	0.05	-0.00	CO 14			
		Min N	▷	-6.49	0.03	-0.57	-0.00	0.07	0.01	CO 3			
		Max V _y	▷	-6.44	0.03	-0.56	-0.00	0.06	0.01	CO 2			
		Min V _y	▷	-2.10	-0.00	-0.33	-0.00	0.05	-0.00	CO 11			
		Max V _z		-2.06	0.00	-0.32	-0.00	0.05	-0.00	CO 14			
		Min V _z		-6.48	0.03	-0.57	-0.00	0.07	0.01	CO 5			
		Max M _T		-2.08	-0.00	-0.32	▷	-0.00	0.05	-0.00	CO 10		
		Min M _T		-6.46	0.03	-0.57	▷	-0.00	0.07	0.01	CO 7		
		Max M _y		-6.48	0.03	-0.57	-0.00	▷	0.07	0.01	CO 5		
	0.000 Right	Min M _y		-2.06	0.00	-0.32	-0.00	▷	0.05	-0.00	CO 14		
		Max M _z		-6.44	0.03	-0.56	-0.00	▷	0.06	0.01	CO 2		
		Min M _z		-2.10	-0.00	-0.33	-0.00	▷	0.05	-0.00	CO 11		
		Max N	▷	-2.06	0.00	-0.32	-0.00	0.05	-0.00	CO 14			
		Min N	▷	-6.49	0.03	-0.57	-0.00	0.07	0.01	CO 3			
		Max V _y	▷	-6.44	0.03	-0.56	-0.00	0.06	0.01	CO 2			
		Min V _y	▷	-2.10	-0.00	-0.33	-0.00	0.05	-0.00	CO 11			
		Max V _z		-2.06	0.00	-0.32	-0.00	0.05	-0.00	CO 14			
		Min V _z		-6.48	0.03	-0.57	-0.00	0.07	0.01	CO 5			
		Max M _T		-2.08	-0.00	-0.32	▷	-0.00	0.05	-0.00	CO 10		
0.174 Left	Min M _T		-6.46	0.03	-0.57	-0.00	▷	0.07	0.01	CO 7			
	Max M _y		-6.48	0.03	-0.57	-0.00	▷	0.07	0.01	CO 5			
	Min M _y		-2.06	0.00	-0.32	-0.00	▷	0.05	-0.00	CO 14			
	Max M _z		-6.44	0.03	-0.56	-0.00	▷	0.06	0.01	CO 2			
	Min M _z		-2.10	-0.00	-0.33	-0.00	▷	0.05	-0.00	CO 11			
	Max N	▷	-2.13	0.00	-0.19	-0.00	0.00	-0.00	CO 14				
	Min N	▷	-6.55	0.03	-0.37	-0.00	-0.02	0.00	CO 3				
	Max V _y	▷	-6.51	0.03	-0.36	-0.00	-0.02	0.00	CO 2				
	Min V _y	▷	-2.17	-0.00	-0.20	-0.00	0.01	-0.00	CO 11				
	Max V _z		-2.13	0.00	-0.19	-0.00	0.00	-0.00	CO 14				
81	0.174 Left	Min V _z		-6.55	0.03	-0.37	-0.00	-0.02	0.00	CO 5			
		Max M _T		-2.15	-0.00	-0.20	▷	-0.00	0.01	-0.00	CO 10		
		Min M _T		-6.53	0.03	-0.37	▷	-0.00	-0.02	0.00	CO 7		
		Max M _y		-2.17	-0.00	-0.20	-0.00	▷	0.01	-0.00	CO 11		
		Min M _y		-6.51	0.03	-0.36	-0.00	-0.02	0.00	CO 2			
		Max V _y	▷	-6.51	0.03	-0.36	-0.00	-0.02	0.00	CO 2			
		Min V _y	▷	-2.17	-0.00	-0.20	-0.00	0.01	-0.00	CO 11			
		Max V _z		-2.13	0.00	-0.19	-0.00	0.00	-0.00	CO 14			
		Min V _z		-6.55	0.03	-0.37	-0.00	-0.02	0.00	CO 5			
		Max M _T		-2.15	-0.00	-0.20	▷	-0.00	0.01	-0.00	CO 10		
81	0.174 Left	Min M _T		-6.53	0.03	-0.37	▷	-0.00	-0.02	0.00	CO 7		
		Max M _y		-2.17	-0.00	-0.20	-0.00	▷	0.01	-0.00	CO 11		
		Min M _y		-6.51	0.03	-0.36	-0.00	-0.02	0.00	CO 2			
		Max V _y	▷	-6.51	0.03	-0.36	-0.00	-0.02	0.00	CO 2			
		Min V _y	▷	-2.17	-0.00	-0.20	-0.00	0.01	-0.00	CO 11			
		Max V _z		-2.13	0.00	-0.19	-0.00	0.00	-0.00	CO 14			
		Min V _z		-6.55	0.03	-0.37	-0.00	-0.02	0.00	CO 5			
		Max M _T		-2.15	-0.00	-0.20	▷	-0.00	0.01	-0.00	CO 10		
		Min M _T		-6.53	0.03	-0.37	▷	-0.00	-0.02	0.00	CO 7		
		Max M _y		-2.17	-0.00	-0.20	-0.00	▷	0.01	-0.00	CO 11		

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases				
					N	V _y	V _z	M _T	M _y	M _z					
128	RC1		0.174 Right	Min M _y	-6.51	0.03	-0.36	-0.00	▷	-0.02	0.00	CO 2			
				Max M _z	-6.51	0.03	-0.36	-0.00	-0.02	0.00	CO 2				
				Min M _z	-2.17	-0.00	-0.20	-0.00	0.01	▷	-0.00	CO 11			
				Max N	▷	-2.13	0.00	-0.19	-0.00	0.00	-0.00	CO 14			
				Min N	▷	-6.55	0.03	-0.37	-0.00	-0.02	0.00	CO 3			
				Max V _y	▷	-6.51	0.03	-0.36	-0.00	-0.02	0.00	CO 2			
				Min V _y	▷	-2.17	-0.00	-0.20	-0.00	0.01	▷	-0.00	CO 11		
				Max V _z	▷	-2.13	0.00	▷	-0.19	-0.00	0.00	-0.00	CO 14		
				Min V _z	▷	-6.55	0.03	▷	-0.37	-0.00	-0.02	0.00	CO 5		
				Max M _T	▷	-2.15	-0.00	-0.20	▷	-0.00	0.01	-0.00	CO 10		
				Min M _T	▷	-6.53	0.03	-0.37	▷	-0.00	-0.02	0.00	CO 7		
				Max M _y	▷	-2.17	-0.00	-0.20	-0.00	0.01	▷	-0.00	CO 11		
				Min M _y	▷	-6.51	0.03	-0.36	-0.00	▷	-0.02	0.00	CO 2		
				Max M _z	▷	-6.51	0.03	-0.36	-0.00	▷	-0.02	0.00	CO 2		
			Min M _z	▷	-2.17	-0.00	-0.20	-0.00	▷	0.01	-0.00	CO 11			
			1.058 Left	Max N	▷	-2.47	0.00	0.44	-0.00	0.11	-0.00	CO 14			
				Min N	▷	-6.89	0.02	1.58	-0.00	0.46	-0.02	CO 3			
				Max V _y	▷	-6.85	0.03	1.58	-0.00	0.46	-0.02	CO 2			
				Min V _y	▷	-2.51	-0.00	0.43	-0.00	0.11	-0.00	CO 11			
				Max V _z	▷	-6.85	0.03	1.58	-0.00	0.46	-0.02	CO 2			
				Min V _z	▷	-2.51	-0.00	0.43	-0.00	0.11	-0.00	CO 11			
				Max M _T	▷	-2.49	-0.00	0.44	▷	-0.00	0.11	-0.00	CO 10		
				Min M _T	▷	-6.87	0.02	1.58	▷	-0.00	0.46	-0.02	CO 7		
				Max M _y	▷	-6.85	0.03	1.58	-0.00	▷	0.46	-0.02	CO 2		
				Min M _y	▷	-2.51	-0.00	0.43	-0.00	▷	0.11	-0.00	CO 11		
				Max M _z	▷	-2.51	-0.00	0.43	-0.00	▷	0.11	-0.00	CO 11		
				Min M _z	▷	-6.85	0.03	1.58	-0.00	▷	0.46	-0.02	CO 2		
				1.058 Right	Max N	▷	-2.47	0.00	0.44	-0.00	0.11	-0.00	CO 14		
					Min N	▷	-6.89	0.02	1.58	-0.00	0.46	-0.02	CO 3		
			Max V _y		▷	-6.85	0.03	1.58	-0.00	0.46	-0.02	CO 2			
			Min V _y		▷	-2.51	-0.00	0.43	-0.00	0.11	-0.00	CO 11			
			Max V _z		▷	-6.85	0.03	1.58	-0.00	0.46	-0.02	CO 2			
			Min V _z		▷	-2.51	-0.00	0.43	-0.00	0.11	-0.00	CO 11			
			Max M _T		▷	-2.49	-0.00	0.44	▷	-0.00	0.11	-0.00	CO 10		
			Min M _T		▷	-6.87	0.02	1.58	▷	-0.00	0.46	-0.02	CO 7		
			Max M _y		▷	-6.85	0.03	1.58	-0.00	▷	0.46	-0.02	CO 2		
			Min M _y		▷	-2.51	-0.00	0.43	-0.00	▷	0.11	-0.00	CO 11		
			Max M _z		▷	-2.51	-0.00	0.43	-0.00	▷	0.11	-0.00	CO 11		
			Min M _z		▷	-6.85	0.03	1.58	-0.00	▷	0.46	-0.02	CO 2		
			RC2		81	0.000 Left	Min M _y	-6.85	0.03	1.58	-0.00	0.46	▷	-0.02	CO 2
							Max N	▷	-1.41	-0.00	-0.22	-0.00	0.03	-0.00	CO 28
				Min N			▷	-4.68	0.02	-0.40	-0.00	0.05	0.00	CO 17	
	Max V _y	▷		-4.65			0.02	-0.40	-0.00	0.04	0.01	CO 16			
	Min V _y	▷		-1.44			-0.00	-0.22	-0.00	0.04	-0.00	CO 25			
	Max V _z	▷		-1.41			-0.00	-0.22	-0.00	0.03	-0.00	CO 28			
	Min V _z	▷		-4.68			0.02	-0.40	-0.00	0.05	0.00	CO 19			
	Max M _T	▷		-1.43			-0.00	-0.22	-0.00	0.03	-0.00	CO 24			
	Min M _T	▷		-4.66			0.02	-0.40	-0.00	0.05	0.00	CO 21			
	Max M _y	▷		-4.68			0.02	-0.40	-0.00	▷	0.05	0.00	CO 19		
	Min M _y	▷		-1.41			-0.00	-0.22	-0.00	▷	0.03	-0.00	CO 28		
	Max M _z	▷		-4.65			0.02	-0.40	-0.00	▷	0.04	0.01	CO 16		
	Min M _z	▷		-1.44			-0.00	-0.22	-0.00	▷	0.04	-0.00	CO 25		
	0.000 Right	Max N		▷			-1.41	-0.00	-0.22	-0.00	0.03	-0.00	CO 28		
		Min N		▷		-4.68	0.02	-0.40	-0.00	0.05	0.00	CO 17			
		Max V _y		▷		-4.65	0.02	-0.40	-0.00	0.04	0.01	CO 16			
		Min V _y		▷		-1.44	-0.00	-0.22	-0.00	0.04	-0.00	CO 25			
		Max V _z		▷		-1.41	-0.00	-0.22	-0.00	0.03	-0.00	CO 28			
		Min V _z		▷		-4.68	0.02	-0.40	-0.00	0.05	0.00	CO 19			
		Max M _T		▷		-1.43	-0.00	-0.22	-0.00	0.03	-0.00	CO 24			
		Min M _T		▷		-4.66	0.02	-0.40	-0.00	0.05	0.00	CO 21			
		Max M _y		▷		-4.68	0.02	-0.40	-0.00	▷	0.05	0.00	CO 19		
		Min M _y		▷		-1.41	-0.00	-0.22	-0.00	▷	0.03	-0.00	CO 28		
		Max M _z		▷		-4.65	0.02	-0.40	-0.00	▷	0.04	0.01	CO 16		
		Min M _z		▷		-1.44	-0.00	-0.22	-0.00	▷	0.04	-0.00	CO 25		
		0.174 Left		Max N		▷	-1.46	-0.00	-0.13	-0.00	0.00	-0.00	CO 28		
				Min N		▷	-4.73	0.02	-0.26	-0.00	-0.01	0.00	CO 17		
	Max V _y			▷		-4.70	0.02	-0.26	-0.00	-0.02	0.00	CO 16			
	Min V _y			▷		-1.49	-0.00	-0.14	-0.00	0.01	-0.00	CO 25			
	Max V _z			▷		-1.46	-0.00	-0.13	-0.00	0.00	-0.00	CO 28			
	Min V _z			▷		-4.73	0.02	-0.26	-0.00	-0.01	0.00	CO 19			
	Max M _T			▷		-1.47	-0.00	-0.13	▷	-0.00	0.00	-0.00	CO 24		
	Min M _T			▷		-4.71	0.02	-0.26	▷	-0.00	-0.01	0.00	CO 21		
	Max M _y			▷		-1.49	-0.00	-0.14	-0.00	▷	0.01	-0.00	CO 25		
	Min M _y			▷		-4.70	0.02	-0.26	-0.00	▷	-0.02	0.00	CO 16		
	Max M _z			▷		-4.70	0.02	-0.26	-0.00	▷	-0.02	0.00	CO 16		
	Min M _z			▷		-1.49	-0.00	-0.14	-0.00	▷	0.01	-0.00	CO 25		
	0.174 Right			Max N		▷	-1.46	-0.00	-0.13	-0.00	0.00	-0.00	CO 28		
				Min N		▷	-4.73	0.02	-0.26	-0.00	-0.01	0.00	CO 17		
		Max V _y		▷		-4.70	0.02	-0.26	-0.00	-0.02	0.00	CO 16			
		Min V _y		▷		-1.49	-0.00	-0.14	-0.00	0.01	-0.00	CO 25			
		Max V _z		▷		-1.46	-0.00	-0.13	-0.00	0.00	-0.00	CO 28			
		Min V _z	▷	-4.73	0.02	-0.26	-0.00	-0.01	0.00	CO 19					
		Max M _T	▷	-1.47	-0.00	-0.13	▷	-0.00	0.00	-0.00	CO 24				
		Min M _T	▷	-4.71	0.02	-0.26	▷	-0.00	-0.01	0.00	CO 21				
		Max M _y	▷	-1.49	-0.00	-0.14	-0.00	▷	0.01	-0.00	CO 25				
		Min M _y	▷	-4.70	0.02	-0.26	-0.00	▷	-0.02	0.00	CO 16				
		Max M _z	▷	-4.70	0.02	-0.26	-0.00	▷	-0.02	0.00	CO 16				
		Min M _z	▷	-1.49	-0.00	-0.14	-0.00	▷	0.01	-0.00	CO 25				
		1.058 Left	Max N	▷	-1.68	-0.00	0.29	-0.00	0.07	-0.00	CO 28				
			Min N	▷	-4.95	0.02	1.13	-0.00	0.33	-0.02	CO 17				
	Max V _y		▷	-4.92	0.02	1.14	-0.00	0.33	-0.02	CO 16					
	Min V _y		▷	-1.71	-0.00	0.29	-0.00	0.07	0.00	CO 25					
	Max V _z		▷	-4.92	0.02	1.14	-0.00	0.33	-0.02	CO 16					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
128	RC2			Min V _z	-1.71	-0.00	0.29	-0.00	0.07	0.00	CO 25
				Max M _T	-1.70	-0.00	0.29	-0.00	0.07	-0.00	CO 24
				Min M _T	-4.94	0.02	1.14	-0.00	0.33	-0.02	CO 21
				Max M _y	-4.92	0.02	1.14	-0.00	0.33	-0.02	CO 16
				Min M _y	-1.71	-0.00	0.29	-0.00	0.07	0.00	CO 25
				Max M _z	-1.71	-0.00	0.29	-0.00	0.07	0.00	CO 25
				Min M _z	-4.92	0.02	1.14	-0.00	0.33	-0.02	CO 16
		83	1.058 Right	Max N	-1.68	-0.00	0.29	-0.00	0.07	-0.00	CO 28
				Min N	-4.95	0.02	1.13	-0.00	0.33	-0.02	CO 17
				Max V _y	-4.92	0.02	1.14	-0.00	0.33	-0.02	CO 16
				Min V _y	-1.71	-0.00	0.29	-0.00	0.07	0.00	CO 25
				Max V _z	-4.92	0.02	1.14	-0.00	0.33	-0.02	CO 16
				Min V _z	-1.71	-0.00	0.29	-0.00	0.07	0.00	CO 25
				Max M _T	-1.70	-0.00	0.29	-0.00	0.07	-0.00	CO 24
				Min M _T	-4.94	0.02	1.14	-0.00	0.33	-0.02	CO 21
				Max M _y	-4.92	0.02	1.14	-0.00	0.33	-0.02	CO 16
				Min M _y	-1.71	-0.00	0.29	-0.00	0.07	0.00	CO 25
				Max M _z	-1.71	-0.00	0.29	-0.00	0.07	0.00	CO 25
				Min M _z	-4.92	0.02	1.14	-0.00	0.33	-0.02	CO 16
	RC6	81	0.000 Left	Max N	-2.89	-0.01	-0.26	-0.00	0.02	-0.01	LC 1-4
				Min N	-4.45	0.03	-0.23	-0.00	0.04	0.01	LC 1-5
				Max V _y	-3.92	0.06	-0.08	-0.00	-0.05	0.03	LC 1-4
				Min V _y	-3.42	-0.04	-0.41	-0.00	0.11	-0.02	LC 1-5
				Max V _z	-3.74	0.06	-0.07	-0.00	-0.06	0.03	LC 1-4
				Min V _z	-3.60	-0.04	-0.42	-0.00	0.12	-0.02	LC 1-5
				Max M _T	-3.40	-0.04	-0.41	-0.00	0.11	-0.02	LC 1-5
				Min M _T	-3.94	0.06	-0.08	-0.00	-0.05	0.03	LC 1-4
				Max M _y	-3.71	-0.03	-0.41	-0.00	0.12	-0.02	LC 1-5
				Min M _y	-3.63	0.06	-0.07	-0.00	-0.06	0.03	LC 1-4
				Max M _z	-3.93	0.06	-0.08	-0.00	-0.05	0.03	LC 1-4
				Min M _z	-3.41	-0.04	-0.41	-0.00	0.11	-0.02	LC 1-5
		0.000 Right		Max N	-2.89	-0.01	-0.26	-0.00	0.02	-0.01	LC 1-4
				Min N	-4.45	0.03	-0.23	-0.00	0.04	0.01	LC 1-5
				Max V _y	-3.92	0.06	-0.08	-0.00	-0.05	0.03	LC 1-4
				Min V _y	-3.42	-0.04	-0.41	-0.00	0.11	-0.02	LC 1-5
				Max V _z	-3.74	0.06	-0.07	-0.00	-0.06	0.03	LC 1-4
				Min V _z	-3.60	-0.04	-0.42	-0.00	0.12	-0.02	LC 1-5
				Max M _T	-3.40	-0.04	-0.41	-0.00	0.11	-0.02	LC 1-5
				Min M _T	-3.94	0.06	-0.08	-0.00	-0.05	0.03	LC 1-4
				Max M _y	-3.71	-0.03	-0.41	-0.00	0.12	-0.02	LC 1-5
				Min M _y	-3.63	0.06	-0.07	-0.00	-0.06	0.03	LC 1-4
				Max M _z	-3.93	0.06	-0.08	-0.00	-0.05	0.03	LC 1-4
				Min M _z	-3.41	-0.04	-0.41	-0.00	0.11	-0.02	LC 1-5
		0.174 Left		Max N	-2.89	-0.01	-0.20	-0.00	-0.02	-0.01	LC 1-4
				Min N	-4.45	0.03	-0.17	-0.00	0.00	0.01	LC 1-5
				Max V _y	-3.92	0.06	-0.02	-0.00	-0.06	0.02	LC 1-4
				Min V _y	-3.43	-0.04	-0.35	-0.00	0.04	-0.02	LC 1-5
				Max V _z	-3.74	0.06	-0.01	-0.00	-0.07	0.02	LC 1-4
				Min V _z	-3.60	-0.04	-0.35	-0.00	0.05	-0.02	LC 1-5
				Max M _T	-3.40	-0.04	-0.34	-0.00	0.04	-0.02	LC 1-5
				Min M _T	-3.95	0.06	-0.02	-0.00	-0.06	0.02	LC 1-4
				Max M _y	-3.75	-0.03	-0.35	-0.00	0.05	-0.01	LC 1-5
				Min M _y	-3.60	0.06	-0.01	-0.00	-0.07	0.01	LC 1-4
				Max M _z	-3.93	0.06	-0.02	-0.00	-0.06	0.02	LC 1-4
				Min M _z	-3.41	-0.04	-0.35	-0.00	0.04	-0.02	LC 1-5
		0.174 Right		Max N	-2.89	-0.01	-0.20	-0.00	-0.02	-0.01	LC 1-4
				Min N	-4.45	0.03	-0.17	-0.00	0.00	0.01	LC 1-5
				Max V _y	-3.92	0.06	-0.02	-0.00	-0.06	0.02	LC 1-4
				Min V _y	-3.43	-0.04	-0.35	-0.00	0.04	-0.02	LC 1-5
				Max V _z	-3.74	0.06	-0.01	-0.00	-0.07	0.02	LC 1-4
				Min V _z	-3.60	-0.04	-0.35	-0.00	0.05	-0.02	LC 1-5
				Max M _T	-3.40	-0.04	-0.34	-0.00	0.04	-0.02	LC 1-5
				Min M _T	-3.95	0.06	-0.02	-0.00	-0.06	0.02	LC 1-4
				Max M _y	-3.75	-0.03	-0.35	-0.00	0.05	-0.01	LC 1-5
				Min M _y	-3.60	0.06	-0.01	-0.00	-0.07	0.01	LC 1-4
				Max M _z	-3.93	0.06	-0.02	-0.00	-0.06	0.02	LC 1-4
				Min M _z	-3.41	-0.04	-0.35	-0.00	0.04	-0.02	LC 1-5
	83	1.058 Left		Max N	-2.91	-0.01	0.81	-0.00	0.04	-0.02	LC 1-5
				Min N	-4.47	0.03	0.84	-0.00	0.25	-0.02	LC 1-5
				Max V _y	-3.93	0.06	0.99	-0.00	0.32	-0.04	LC 1-4
				Min V _y	-3.44	-0.04	0.65	-0.00	0.13	0.02	LC 1-5
				Max V _z	-3.76	0.06	0.99	-0.00	0.32	-0.04	LC 1-4
				Min V _z	-3.62	-0.04	0.65	-0.00	0.13	0.02	LC 1-5
				Max M _T	-3.41	-0.04	0.66	-0.00	0.13	0.02	LC 1-5
				Min M _T	-3.96	0.06	0.98	-0.00	0.32	-0.04	LC 1-4
				Max M _y	-3.86	0.06	0.99	-0.00	0.32	-0.04	LC 1-4
				Min M _y	-3.52	-0.04	0.65	-0.00	0.13	0.02	LC 1-5
				Max M _z	-3.45	-0.04	0.65	-0.00	0.13	0.02	LC 1-5
				Min M _z	-3.92	0.06	0.99	-0.00	0.32	-0.04	LC 1-4
		1.058 Right		Max N	-2.91	-0.01	0.81	-0.00	0.04	-0.02	LC 1-5
				Min N	-4.47	0.03	0.84	-0.00	0.25	-0.02	LC 1-5
				Max V _y	-3.93	0.06	0.99	-0.00	0.32	-0.04	LC 1-4
				Min V _y	-3.44	-0.04	0.65	-0.00	0.13	0.02	LC 1-5
				Max V _z	-3.76	0.06	0.99	-0.00	0.32	-0.04	LC 1-4
				Min V _z	-3.62	-0.04	0.65	-0.00	0.13	0.02	LC 1-5
				Max M _T	-3.41	-0.04	0.66	-0.00	0.13	0.02	LC 1-5
				Min M _T	-3.96	0.06	0.98	-0.00	0.32	-0.04	LC 1-4
				Max M _y	-3.86	0.06	0.99	-0.00	0.32	-0.04	LC 1-4
				Min M _y	-3.52	-0.04	0.65	-0.00	0.13	0.02	LC 1-5
				Max M _z	-3.45	-0.04	0.65	-0.00	0.13	0.02	LC 1-5
				Min M _z	-3.92	0.06	0.99	-0.00	0.32	-0.04	LC 1-4
131	RC1	85	0.000	Max N	-0.17	0.02	-3.46	0.00	1.95	0.03	CO 4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
131	RC1		Left	Min N	▷ -0.98	0.00	-1.13	0.00	0.58	0.01	CO 13
				Max V _y	▷ -0.22	0.02	-3.46	0.00	1.95	0.03	CO 6
				Min V _y	▷ -0.83	0.00	-1.13	0.00	0.58	0.01	CO 9
				Max V _z	▷ -0.98	0.00	-1.13	0.00	0.58	0.01	CO 13
				Min V _z	▷ -0.17	0.02	-3.46	0.00	1.95	0.03	CO 4
				Max M _T	▷ -0.22	0.02	-3.46	▷ 0.00	1.95	0.03	CO 6
				Min M _T	▷ -0.83	0.00	-1.13	▷ 0.00	0.58	0.01	CO 9
				Max M _y	▷ -0.17	0.02	-3.46	▷ 0.00	1.95	0.03	CO 4
				Min M _y	▷ -0.98	0.00	-1.13	▷ 0.00	0.58	0.01	CO 13
				Max M _z	▷ -0.32	0.02	-3.46	▷ 0.00	1.95	0.03	CO 8
			0.000 Right	Min M _z	▷ -0.83	0.00	-1.13	▷ 0.00	0.58	0.01	CO 9
				Max N	▷ -0.17	0.02	-3.46	▷ 0.00	1.95	0.03	CO 4
				Min N	▷ -0.98	0.00	-1.13	▷ 0.00	0.58	0.01	CO 13
				Max V _y	▷ -0.22	▷ 0.02	-3.46	▷ 0.00	1.95	0.03	CO 6
				Min V _y	▷ -0.83	▷ 0.00	-1.13	▷ 0.00	0.58	0.01	CO 9
				Max V _z	▷ -0.98	▷ 0.00	-1.13	▷ 0.00	0.58	0.01	CO 13
				Min V _z	▷ -0.17	▷ 0.02	-3.46	▷ 0.00	1.95	0.03	CO 4
				Max M _T	▷ -0.22	▷ 0.02	-3.46	▷ 0.00	1.95	0.03	CO 6
				Min M _T	▷ -0.83	▷ 0.00	-1.13	▷ 0.00	0.58	0.01	CO 9
				Max M _y	▷ -0.17	▷ 0.02	-3.46	▷ 0.00	1.95	0.03	CO 4
			0.174 Left	Min M _y	▷ -0.98	▷ 0.00	-1.13	▷ 0.00	0.58	0.01	CO 13
				Max M _z	▷ -0.32	▷ 0.02	-3.46	▷ 0.00	1.95	0.03	CO 8
				Min M _z	▷ -0.83	▷ 0.00	-1.13	▷ 0.00	0.58	0.01	CO 9
				Max N	▷ -0.23	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 4
				Min N	▷ -1.04	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 13
				Max V _y	▷ -0.28	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 6
				Min V _y	▷ -0.89	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 9
				Max V _z	▷ -1.04	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 13
				Min V _z	▷ -0.23	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 4
				Max M _T	▷ -0.28	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 6
			0.174 Right	Min M _T	▷ -0.89	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 9
				Max M _y	▷ -0.23	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 4
				Min M _y	▷ -1.04	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 13
				Max M _z	▷ -0.38	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 8
				Min M _z	▷ -0.89	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 9
				Max N	▷ -0.23	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 4
				Min N	▷ -1.04	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 13
				Max V _y	▷ -0.28	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 6
				Min V _y	▷ -0.89	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 9
				Max V _z	▷ -1.04	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 13
			1.233 Left	Min V _z	▷ -0.23	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 4
				Max M _T	▷ -0.28	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 6
				Min M _T	▷ -0.89	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 9
				Max M _y	▷ -0.23	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 4
				Min M _y	▷ -1.04	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 13
				Max M _z	▷ -0.38	▷ 0.02	-3.24	▷ 0.00	1.37	0.02	CO 8
				Min M _z	▷ -0.89	▷ 0.00	-1.00	▷ 0.00	0.39	0.00	CO 9
				Max N	▷ -0.64	▷ 0.01	-0.93	▷ 0.00	-0.92	0.01	CO 4
				Min N	▷ -1.45	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 13
				Max V _y	▷ -0.79	▷ 0.01	-0.93	▷ 0.00	-0.93	0.01	CO 8
			1.233 Right	Min V _y	▷ -1.30	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 9
				Max V _z	▷ -1.45	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 13
				Min V _z	▷ -0.75	▷ 0.01	-0.93	▷ 0.00	-0.92	0.01	CO 2
				Max M _T	▷ -0.69	▷ 0.01	-0.93	▷ 0.00	-0.92	0.01	CO 6
				Min M _T	▷ -1.30	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 9
				Max M _y	▷ -1.30	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 9
				Min M _y	▷ -0.79	▷ 0.01	-0.93	▷ 0.00	-0.93	0.01	CO 8
				Max M _z	▷ -0.79	▷ 0.01	-0.93	▷ 0.00	-0.93	0.01	CO 8
				Min M _z	▷ -1.30	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 9
				Max N	▷ -0.64	▷ 0.01	-0.93	▷ 0.00	-0.92	0.01	CO 4
			3.174 Left	Min N	▷ -1.45	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 13
				Max V _y	▷ -0.79	▷ 0.01	-0.93	▷ 0.00	-0.93	0.01	CO 8
				Min V _y	▷ -1.30	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 9
				Max V _z	▷ -1.45	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 13
				Min V _z	▷ -0.75	▷ 0.01	-0.93	▷ 0.00	-0.92	0.01	CO 2
				Max M _T	▷ -0.69	▷ 0.01	-0.93	▷ 0.00	-0.92	0.01	CO 6
				Min M _T	▷ -1.30	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 9
				Max M _y	▷ -1.30	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 9
				Min M _y	▷ -0.79	▷ 0.01	-0.93	▷ 0.00	-0.93	0.01	CO 8
				Max M _z	▷ -0.79	▷ 0.01	-0.93	▷ 0.00	-0.93	0.01	CO 8
			3.174 Right	Min M _z	▷ -1.30	▷ 0.00	-0.24	▷ 0.00	-0.27	0.00	CO 9
				Max N	▷ -1.39	▷ 0.01	4.14	▷ 0.00	2.18	-0.01	CO 4
				Min N	▷ -2.20	▷ 0.00	1.15	▷ 0.00	0.62	-0.00	CO 13
				Max V _y	▷ -1.54	▷ 0.01	4.14	▷ 0.00	2.19	-0.01	CO 8
				Min V _y	▷ -2.05	▷ 0.00	1.15	▷ 0.00	0.62	-0.00	CO 9
				Max V _z	▷ -1.60	▷ 0.01	4.14	▷ 0.00	2.19	-0.01	CO 7
				Min V _z	▷ -2.00	▷ 0.00	1.15	▷ 0.00	0.62	-0.00	CO 10
				Max M _T	▷ -1.44	▷ 0.01	4.14	▷ 0.00	2.18	-0.01	CO 6
				Min M _T	▷ -2.05	▷ 0.00	1.15	▷ 0.00	0.62	-0.00	CO 9
				Max M _y	▷ -1.60	▷ 0.01	4.14	▷ 0.00	2.19	-0.01	CO 7
			91 3.174 Right	Min M _y	▷ -2.00	▷ 0.00	1.15	▷ 0.00	0.62	-0.00	CO 10
				Max M _z	▷ -2.05	▷ 0.00	1.15	▷ 0.00	0.62	-0.00	CO 9
				Min M _z	▷ -1.54	▷ 0.01	4.14	▷ 0.00	2.19	-0.01	CO 8
				Max N	▷ -1.39	▷ 0.01	4.14	▷ 0.00	2.18	-0.01	CO 4
				Min N	▷ -2.20	▷ 0.00	1.15	▷ 0.00	0.62	-0.00	CO 13
				Max V _y	▷ -1.54	▷ 0.01	4.14	▷ 0.00	2.19	-0.01	CO 8
				Min V _y	▷ -2.05	▷ 0.00	1.15	▷ 0.00	0.62	-0.00	CO 9
				Max V _z	▷ -1.60	▷ 0.01	4.14	▷ 0.00	2.19	-0.01	CO 7
				Min V _z	▷ -2.00	▷ 0.00	1.15	▷ 0.00	0.62	-0.00	CO 10
				Max M _T	▷ -1.44	▷ 0.01	4.14	▷ 0.00	2.18	-0.01	CO 6
				Min M _T	▷ -2.05	▷ 0.00	1.15	▷ 0.00	0.62	-0.00	CO 9
				Max M _y	▷ -1.60	▷ 0.01	4.14	▷ 0.00	2.19	-0.01	CO 7

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
131	RC1	85	0.000 Left	Min M _y	-2.00	0.00	1.15	0.00	0.62	-0.00	CO 10
				Max M _z	-2.05	0.00	1.15	0.00	0.62	-0.00	CO 9
	Min M _z			-1.54	0.01	4.14	0.00	2.19	-0.01	CO 8	
	Max N			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Min N			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Max V _y			-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22	
	Min V _y			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max V _z			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Min V _z			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Max M _T			-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20	
	Min M _T			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max M _y			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Min M _y			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Max M _z			-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22	
	Min M _z			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max N			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Min N			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Max V _y			-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22	
	Min V _y			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max V _z			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Min V _z			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Max M _T			-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20	
	Min M _T			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max M _y			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Min M _y			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Max M _z			-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22	
	Min M _z			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max N			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Min N			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Max V _y			-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22	
	Min V _y			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max V _z			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Min V _z			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Max M _T			-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20	
	Min M _T			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max M _y			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Min M _y			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Max M _z			-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22	
	Min M _z			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max N			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Min N			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Max V _y			-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22	
	Min V _y			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max V _z			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Min V _z			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Max M _T			-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20	
	Min M _T			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max M _y			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Min M _y			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Max M _z			-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22	
	Min M _z			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max N			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Min N			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Max V _y			-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22	
	Min V _y			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max V _z			-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27	
	Min V _z			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
	Max M _T			-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20	
	Min M _T			-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23	
	Max M _y			-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18	
Min M _y	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max M _z	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min M _z	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max N	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min N	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max V _y	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min V _y	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max V _z	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Min V _z	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Max M _T	-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20				
Min M _T	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max M _y	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min M _y	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max M _z	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min M _z	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max N	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min N	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max V _y	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min V _y	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max V _z	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Min V _z	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Max M _T	-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20				
Min M _T	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max M _y	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min M _y	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max M _z	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min M _z	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max N	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min N	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max V _y	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min V _y	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max V _z	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Min V _z	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Max M _T	-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20				
Min M _T	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max M _y	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min M _y	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max M _z	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min M _z	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max N	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min N	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max V _y	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min V _y	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max V _z	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Min V _z	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Max M _T	-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20				
Min M _T	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max M _y	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min M _y	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max M _z	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min M _z	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max N	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min N	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max V _y	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min V _y	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max V _z	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Min V _z	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Max M _T	-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20				
Min M _T	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max M _y	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min M _y	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max M _z	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min M _z	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max N	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min N	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max V _y	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min V _y	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max V _z	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Min V _z	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Max M _T	-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20				
Min M _T	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max M _y	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min M _y	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max M _z	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min M _z	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max N	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min N	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max V _y	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min V _y	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max V _z	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Min V _z	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Max M _T	-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20				
Min M _T	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max M _y	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min M _y	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max M _z	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min M _z	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max N	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Min N	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Max V _y	-0.27	0.01	-2.48	0.00	1.41	0.02	CO 22				
Min V _y	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max V _z	-0.75	0.00	-0.76	0.00	0.39	0.00	CO 27				
Min V _z	-0.16	0.01	-2.48	0.00	1.41	0.02	CO 18				
Max M _T	-0.20	0.01	-2.48	0.00	1.41	0.02	CO 20				
Min M _T	-0.64	0.00	-0.76	0.00	0.39	0.00	CO 23				
Max M _y											



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
131	RC2	85	0.000 Left	Min V _z	-1.43	0.00	0.77	0.00	0.41	-0.00	CO 24
				Max M _T	-1.02	0.01	2.99	0.00	1.57	-0.01	CO 20
				Min M _T	-1.46	0.00	0.77	0.00	0.41	-0.00	CO 23
				Max M _y	-1.13	0.01	2.99	0.00	1.58	-0.01	CO 21
				Min M _y	-1.43	0.00	0.77	0.00	0.41	-0.00	CO 24
				Max M _z	-1.46	0.00	0.77	0.00	0.41	-0.00	CO 23
				Min M _z	-1.09	0.01	2.99	0.00	1.57	-0.01	CO 22
				Max N	2.14	0.01	-1.82	0.00	1.09	0.01	LC 1-4
				Min N	-3.96	0.01	-1.74	0.00	1.00	0.01	LC 1-5
				Max V _y	-0.56	0.01	-1.78	0.00	1.05	0.02	LC 1-4
				Min V _y	-1.26	0.00	-1.78	0.00	1.04	0.00	LC 1-5
				Max V _z	-3.92	0.01	-1.74	0.00	1.00	0.01	LC 1-5
				Min V _z	2.09	0.01	-1.82	0.00	1.09	0.01	LC 1-4
				Max M _T	0.94	0.00	-1.80	0.00	1.07	0.01	LC 1-5
				Min M _T	-2.77	0.01	-1.75	0.00	1.01	0.02	LC 1-4
				Max M _y	2.09	0.01	-1.82	0.00	1.09	0.01	LC 1-4
				Min M _y	-3.92	0.01	-1.74	0.00	1.00	0.01	LC 1-5
				Max M _z	-0.56	0.01	-1.78	0.00	1.05	0.02	LC 1-4
				Min M _z	-1.26	0.00	-1.78	0.00	1.04	0.00	LC 1-5
				Max N	2.14	0.01	-1.82	0.00	1.09	0.01	LC 1-4
				Min N	-3.96	0.01	-1.74	0.00	1.00	0.01	LC 1-5
				Max V _y	-0.56	0.01	-1.78	0.00	1.05	0.02	LC 1-4
				Min V _y	-1.26	0.00	-1.78	0.00	1.04	0.00	LC 1-5
				Max V _z	-3.92	0.01	-1.74	0.00	1.00	0.01	LC 1-5
				Min V _z	2.09	0.01	-1.82	0.00	1.09	0.01	LC 1-4
				Max M _T	0.94	0.00	-1.80	0.00	1.07	0.01	LC 1-5
				Min M _T	-2.77	0.01	-1.75	0.00	1.01	0.02	LC 1-4
				Max M _y	2.09	0.01	-1.82	0.00	1.09	0.01	LC 1-4
				Min M _y	-3.92	0.01	-1.74	0.00	1.00	0.01	LC 1-5
				Max M _z	-0.56	0.01	-1.78	0.00	1.05	0.02	LC 1-4
				Min M _z	-1.26	0.00	-1.78	0.00	1.04	0.00	LC 1-5
				Max N	2.13	0.01	-1.74	0.00	0.78	0.01	LC 1-4
				Min N	-3.96	0.01	-1.67	0.00	0.70	0.01	LC 1-5
				Max V _y	-0.56	0.01	-1.71	0.00	0.74	0.02	LC 1-4
				Min V _y	-1.27	0.00	-1.70	0.00	0.73	0.00	LC 1-5
				Max V _z	-3.92	0.01	-1.67	0.00	0.70	0.01	LC 1-5
				Min V _z	2.09	0.01	-1.74	0.00	0.78	0.01	LC 1-4
				Max M _T	0.94	0.00	-1.73	0.00	0.76	0.01	LC 1-5
				Min M _T	-2.77	0.01	-1.68	0.00	0.71	0.02	LC 1-4
				Max M _y	2.09	0.01	-1.74	0.00	0.78	0.01	LC 1-4
				Min M _y	-3.92	0.01	-1.67	0.00	0.70	0.01	LC 1-5
				Max M _z	-0.56	0.01	-1.71	0.00	0.74	0.02	LC 1-4
				Min M _z	-1.26	0.00	-1.70	0.00	0.73	0.00	LC 1-5
				Max N	2.13	0.01	-1.74	0.00	0.78	0.01	LC 1-4
				Min N	-3.96	0.01	-1.67	0.00	0.70	0.01	LC 1-5
				Max V _y	-0.56	0.01	-1.71	0.00	0.74	0.02	LC 1-4
				Min V _y	-1.27	0.00	-1.70	0.00	0.73	0.00	LC 1-5
				Max V _z	-3.92	0.01	-1.67	0.00	0.70	0.01	LC 1-5
				Min V _z	2.09	0.01	-1.74	0.00	0.78	0.01	LC 1-4
				Max M _T	0.94	0.00	-1.73	0.00	0.76	0.01	LC 1-5
				Min M _T	-2.77	0.01	-1.68	0.00	0.71	0.02	LC 1-4
				Max M _y	2.09	0.01	-1.74	0.00	0.78	0.01	LC 1-4
				Min M _y	-3.92	0.01	-1.67	0.00	0.70	0.01	LC 1-5
				Max M _z	-0.56	0.01	-1.71	0.00	0.74	0.02	LC 1-4
				Min M _z	-1.26	0.00	-1.70	0.00	0.73	0.00	LC 1-5
				Max N	2.12	0.01	-0.56	0.00	-0.50	0.01	LC 1-4
				Min N	-3.98	0.01	-0.49	0.00	-0.50	0.01	LC 1-5
				Max V _y	-0.58	0.01	-0.53	0.00	-0.50	0.01	LC 1-4
				Min V _y	-1.28	0.00	-0.52	0.00	-0.50	0.00	LC 1-5
				Max V _z	-3.94	0.01	-0.48	0.00	-0.50	0.01	LC 1-5
				Min V _z	2.07	0.01	-0.56	0.00	-0.50	0.01	LC 1-4
				Max M _T	0.92	0.00	-0.55	0.00	-0.50	0.00	LC 1-5
				Min M _T	-2.79	0.01	-0.50	0.00	-0.50	0.01	LC 1-4
				Max M _y	-1.52	0.00	-0.52	0.00	-0.49	0.01	LC 1-5
				Min M _y	-0.35	0.01	-0.53	0.00	-0.50	0.01	LC 1-4
				Max M _z	-0.59	0.01	-0.53	0.00	-0.50	0.01	LC 1-4
				Min M _z	-1.27	0.00	-0.52	0.00	-0.50	0.00	LC 1-5
				Max N	2.12	0.01	-0.56	0.00	-0.50	0.01	LC 1-4
				Min N	-3.98	0.01	-0.49	0.00	-0.50	0.01	LC 1-5
				Max V _y	-0.58	0.01	-0.53	0.00	-0.50	0.01	LC 1-4
				Min V _y	-1.28	0.00	-0.52	0.00	-0.50	0.00	LC 1-5
				Max V _z	-3.94	0.01	-0.48	0.00	-0.50	0.01	LC 1-5
				Min V _z	2.07	0.01	-0.56	0.00	-0.50	0.01	LC 1-4
				Max M _T	0.92	0.00	-0.55	0.00	-0.50	0.00	LC 1-5
				Min M _T	-2.79	0.01	-0.50	0.00	-0.50	0.01	LC 1-4
				Max M _y	-1.52	0.00	-0.52	0.00	-0.49	0.01	LC 1-5
				Min M _y	-0.35	0.01	-0.53	0.00	-0.50	0.01	LC 1-4
				Max M _z	-0.59	0.01	-0.53	0.00	-0.50	0.01	LC 1-4
				Min M _z	-1.27	0.00	-0.52	0.00	-0.50	0.00	LC 1-5
				Max N	2.08	0.01	2.22	0.00	1.10	-0.01	LC 1-4
				Min N	-4.01	0.01	2.30	0.00	1.25	-0.00	LC 1-5
				Max V _y	-0.61	0.01	2.26	0.00	1.17	-0.01	LC 1-4
				Min V _y	-1.32	0.00	2.26	0.00	1.18	-0.00	LC 1-5
				Max V _z	-3.97	0.01	2.30	0.00	1.26	-0.00	LC 1-5
				Min V _z	2.04	0.01	2.22	0.00	1.10	-0.01	LC 1-4
				Max M _T	0.89	0.00	2.23	0.00	1.12	-0.00	LC 1-5
				Min M _T	-2.82	0.01	2.29	0.00	1.23	-0.01	LC 1-4
				Max M _y	-3.95	0.01	2.30	0.00	1.26	-0.00	LC 1-5
				Min M _y	2.02	0.01	2.22	0.00	1.10	-0.01	LC 1-4
				Max M _z	-1.54	0.00	2.27	0.00	1.19	-0.00	LC 1-5
				Min M _z	-0.39	0.01	2.25	0.00	1.16	-0.01	LC 1-4
				Max N	2.08	0.01	2.22	0.00	1.10	-0.01	LC 1-4
		91	3.174								



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
131	RC6		Right	Min N	▷ -4.01	0.01	2.30	0.00	1.25	-0.00	LC 1-5	
				Max V _y	▷ -0.61	0.01	2.26	0.00	1.18	-0.01	LC 1-4	
				Min V _y	▷ -1.32	0.00	2.26	0.00	1.18	-0.00	LC 1-5	
				Max V _z	▷ -3.97	0.01	2.30	0.00	1.26	-0.00	LC 1-5	
				Min V _z	▷ 2.04	0.01	2.22	0.00	1.10	-0.01	LC 1-4	
				Max M _T	▷ 0.89	0.00	2.23	▷ 0.00	1.12	-0.00	LC 1-5	
				Min M _T	▷ -2.82	0.01	2.29	▷ 0.00	1.23	-0.01	LC 1-4	
				Max M _y	▷ -3.95	0.01	2.30	0.00	1.26	-0.00	LC 1-5	
				Min M _y	▷ 2.02	0.01	2.22	0.00	1.10	-0.01	LC 1-4	
				Max M _z	▷ -1.54	0.00	2.27	0.00	1.19	-0.00	LC 1-5	
				Min M _z	▷ -0.39	0.01	2.25	0.00	1.16	-0.01	LC 1-4	
				134	RC1	73	0.000 Left	Max N	▷ -0.35	0.01	-3.44	0.00
Min N	▷ -1.02	0.00	-1.11					0.00	0.51	0.01	CO 14	
Max V _y	▷ -0.41	▷ 0.01	-3.44					0.00	1.84	0.02	CO 2	
Min V _y	▷ -0.93	▷ 0.00	-1.11					0.00	0.51	0.01	CO 9	
Max V _z	▷ -1.02	0.00	-1.11					0.00	0.51	0.01	CO 14	
Min V _z	▷ -0.35	▷ 0.01	-3.44					0.00	1.84	0.02	CO 3	
Max M _T	▷ -0.97	0.00	-1.11					▷ 0.00	0.51	0.01	CO 11	
Min M _T	▷ -0.39	0.01	-3.44					▷ 0.00	1.84	0.02	CO 1	
Max M _y	▷ -0.35	0.01	-3.44					▷ 0.00	1.84	0.02	CO 3	
Min M _y	▷ -1.02	0.00	-1.11					▷ 0.00	0.51	0.01	CO 14	
Max M _z	▷ -0.44	0.01	-3.44					0.00	1.84	▷ 0.02	CO 8	
Min M _z	▷ -0.93	0.00	-1.11					0.00	0.51	▷ 0.01	CO 9	
0.000 Right	Max N	▷ -0.35	0.01				-3.44	0.00	1.84	0.02	CO 3	
	Min N	▷ -1.02	0.00				-1.11	0.00	0.51	0.01	CO 14	
	Max V _y	▷ -0.41	▷ 0.01				-3.44	0.00	1.84	0.02	CO 2	
	Min V _y	▷ -0.93	▷ 0.00				-1.11	0.00	0.51	0.01	CO 9	
	Max V _z	▷ -1.02	0.00				-1.11	0.00	0.51	0.01	CO 14	
	Min V _z	▷ -0.35	▷ 0.01				-3.44	0.00	1.84	0.02	CO 3	
	Max M _T	▷ -0.97	0.00				-1.11	▷ 0.00	0.51	0.01	CO 11	
	Min M _T	▷ -0.39	0.01				-3.44	▷ 0.00	1.84	0.02	CO 1	
	Max M _y	▷ -0.35	0.01				-3.44	0.00	1.84	0.02	CO 3	
	Min M _y	▷ -1.02	0.00				-1.11	▷ 0.00	0.51	0.01	CO 14	
	Max M _z	▷ -0.44	0.01				-3.44	0.00	1.84	▷ 0.02	CO 8	
	Min M _z	▷ -0.93	0.00				-1.11	0.00	0.51	▷ 0.01	CO 9	
0.174 Left	Max N	▷ -0.41	0.01				-3.23	0.00	1.26	0.01	CO 3	
	Min N	▷ -1.09	0.00				-0.99	0.00	0.33	0.01	CO 14	
	Max V _y	▷ -0.50	▷ 0.01				-3.23	0.00	1.26	0.01	CO 8	
	Min V _y	▷ -0.99	▷ 0.00				-0.99	0.00	0.33	0.01	CO 9	
	Max V _z	▷ -1.09	0.00				-0.99	0.00	0.33	0.01	CO 14	
	Min V _z	▷ -0.41	▷ 0.01				-3.23	0.00	1.26	0.01	CO 3	
	Max M _T	▷ -1.03	0.00				-0.99	▷ 0.00	0.33	0.01	CO 11	
	Min M _T	▷ -0.45	0.01				-3.23	▷ 0.00	1.26	0.01	CO 1	
	Max M _y	▷ -0.41	0.01				-3.23	0.00	1.26	0.01	CO 3	
	Min M _y	▷ -1.09	0.00				-0.99	▷ 0.00	0.33	0.01	CO 14	
	Max M _z	▷ -0.50	0.01				-3.23	0.00	1.26	▷ 0.01	CO 8	
	Min M _z	▷ -0.99	0.00				-0.99	0.00	0.33	▷ 0.01	CO 9	
0.174 Right	Max N	▷ -0.41	0.01				-3.23	0.00	1.26	0.01	CO 3	
	Min N	▷ -1.09	0.00				-0.99	0.00	0.33	0.01	CO 14	
	Max V _y	▷ -0.50	▷ 0.01				-3.23	0.00	1.26	0.01	CO 8	
	Min V _y	▷ -0.99	▷ 0.00				-0.99	0.00	0.33	0.01	CO 9	
	Max V _z	▷ -1.09	0.00				-0.99	0.00	0.33	0.01	CO 14	
	Min V _z	▷ -0.41	▷ 0.01				-3.23	0.00	1.26	0.01	CO 3	
	Max M _T	▷ -1.03	0.00				-0.99	▷ 0.00	0.33	0.01	CO 11	
	Min M _T	▷ -0.45	0.01				-3.23	▷ 0.00	1.26	0.01	CO 1	
	Max M _y	▷ -0.41	0.01				-3.23	▷ 0.00	1.26	0.01	CO 3	
	Min M _y	▷ -1.09	0.00				-0.99	▷ 0.00	0.33	0.01	CO 14	
	Max M _z	▷ -0.50	0.01				-3.23	0.00	1.26	▷ 0.01	CO 8	
	Min M _z	▷ -0.99	0.00				-0.99	0.00	0.33	▷ 0.01	CO 9	
1.248 Left	Max N	▷ -0.83	0.01				-0.88	0.00	-1.03	0.01	CO 3	
	Min N	▷ -1.50	0.00				-0.21	0.00	-0.32	0.00	CO 14	
	Max V _y	▷ -0.92	▷ 0.01				-0.88	0.00	-1.03	0.01	CO 8	
	Min V _y	▷ -1.40	▷ 0.00				-0.21	0.00	-0.32	0.00	CO 9	
	Max V _z	▷ -1.50	0.00				-0.21	0.00	-0.32	0.00	CO 14	
	Min V _z	▷ -0.83	▷ 0.01				-0.88	0.00	-1.03	0.01	CO 3	
	Max M _T	▷ -0.88	0.01				-0.88	▷ 0.00	-1.03	0.01	CO 6	
	Min M _T	▷ -1.50	0.00				-0.21	▷ 0.00	-0.32	0.00	CO 14	
	Max M _y	▷ -1.42	0.00				-0.21	▷ 0.00	-0.32	0.00	CO 10	
	Min M _y	▷ -0.90	0.01				-0.88	▷ 0.00	-1.03	0.01	CO 7	
	Max M _z	▷ -0.92	0.01				-0.88	0.00	-1.03	▷ 0.01	CO 8	
	Min M _z	▷ -1.40	0.00				-0.21	0.00	-0.32	▷ 0.00	CO 9	
1.248 Right	Max N	▷ -0.83	0.01	-0.88	0.00	-1.03	0.01	CO 3				
	Min N	▷ -1.50	0.00	-0.21	0.00	-0.32	0.00	CO 14				
	Max V _y	▷ -0.92	▷ 0.01	-0.88	0.00	-1.03	0.01	CO 8				
	Min V _y	▷ -1.40	▷ 0.00	-0.21	0.00	-0.32	0.00	CO 9				
	Max V _z	▷ -1.50	0.00	-0.21	0.00	-0.32	0.00	CO 14				
	Min V _z	▷ -0.83	▷ 0.01	-0.88	0.00	-1.03	0.01	CO 3				
	Max M _T	▷ -0.88	0.01	-0.88	▷ 0.00	-1.03	0.01	CO 6				
	Min M _T	▷ -1.50	0.00	-0.21	▷ 0.00	-0.32	0.00	CO 14				
	Max M _y	▷ -1.42	0.00	-0.21	▷ 0.00	-0.32	0.00	CO 10				
	Min M _y	▷ -0.90	0.01	-0.88	▷ 0.00	-1.03	0.01	CO 7				
	Max M _z	▷ -0.92	0.01	-0.88	0.00	-1.03	▷ 0.01	CO 8				
	Min M _z	▷ -1.40	0.00	-0.21	0.00	-0.32	▷ 0.00	CO 9				
3.221 Left	Max N	▷ -1.58	0.01	4.31	0.00	2.35	-0.01	CO 3				
	Min N	▷ -2.25	0.00	1.21	0.00	0.68	-0.01	CO 14				
	Max V _y	▷ -1.67	▷ 0.01	4.31	0.00	2.35	-0.01	CO 8				
	Min V _y	▷ -2.15	▷ 0.00	1.21	0.00	0.67	-0.01	CO 9				
	Max V _z	▷ -1.67	0.01	4.31	0.00	2.35	-0.01	CO 8				
	Min V _z	▷ -2.15	0.00	1.21	0.00	0.67	-0.01	CO 9				
	Max M _T	▷ -1.63	0.01	4.31	▷ 0.00	2.35	-0.01	CO 6				
	Min M _T	▷ -2.25	0.00	1.21	▷ 0.00	0.68	-0.01	CO 14				
	Max M _y	▷ -1.67	0.01	4.31	▷ 0.00	2.35	-0.01	CO 8				

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]				Corresponding Load Cases					
				N	V _y	V _z	M _T	M _y	M _z									
134	RC1	93	3.221 Right	Min M _y	-2.15	0.00	1.21	0.00	0.67	-0.01	CO 9							
				Max M _z	-2.15	0.00	1.21	0.00	0.67	-0.01	CO 9							
				Min M _z	-1.67	0.01	4.31	0.00	2.35	-0.01	CO 8							
				Max N	-1.58	0.01	4.31	0.00	2.35	-0.01	CO 3							
				Min N	-2.25	0.00	1.21	0.00	0.68	-0.01	CO 14							
				Max V _y	-1.67	0.01	4.31	0.00	2.35	-0.01	CO 8							
				Min V _y	-2.15	0.00	1.21	0.00	0.67	-0.01	CO 9							
				Max V _z	-1.67	0.01	4.31	0.00	2.35	-0.01	CO 8							
				Min V _z	-2.15	0.00	1.21	0.00	0.67	-0.01	CO 9							
				Max M _T	-1.63	0.01	4.31	0.00	2.35	-0.01	CO 6							
				Min M _T	-2.25	0.00	1.21	0.00	0.68	-0.01	CO 14							
				Max M _y	-1.67	0.01	4.31	0.00	2.35	-0.01	CO 8							
				Min M _y	-2.15	0.00	1.21	0.00	0.67	-0.01	CO 9							
				Max M _z	-2.15	0.00	1.21	0.00	0.67	-0.01	CO 9							
				Min M _z	-1.67	0.01	4.31	0.00	2.35	-0.01	CO 8							
	RC2	73	0.000 Left	Max N	-0.30	0.01	-2.47	0.00	1.33	0.01	CO 17							
				Min N	-0.79	0.00	-0.75	0.00	0.34	0.01	CO 28							
				Max V _y	-0.37	0.01	-2.47	0.00	1.32	0.01	CO 22							
				Min V _y	-0.73	0.00	-0.75	0.00	0.34	0.01	CO 23							
				Max V _z	-0.79	0.00	-0.75	0.00	0.34	0.01	CO 28							
				Min V _z	-0.30	0.01	-2.47	0.00	1.33	0.01	CO 17							
				Max M _T	-0.34	0.01	-2.47	0.00	1.32	0.01	CO 20							
				Min M _T	-0.79	0.00	-0.75	0.00	0.34	0.01	CO 28							
				Max M _y	-0.30	0.01	-2.47	0.00	1.33	0.01	CO 17							
				Min M _y	-0.79	0.00	-0.75	0.00	0.34	0.01	CO 28							
				Max M _z	-0.37	0.01	-2.47	0.00	1.32	0.01	CO 22							
				Min M _z	-0.73	0.00	-0.75	0.00	0.34	0.01	CO 23							
				Max N	-0.30	0.01	-2.47	0.00	1.33	0.01	CO 17							
				Min N	-0.79	0.00	-0.75	0.00	0.34	0.01	CO 28							
				Max V _y	-0.37	0.01	-2.47	0.00	1.32	0.01	CO 22							
					Min V _y	-0.73	0.00	-0.75	0.00	0.34	0.01	CO 23						
					Max V _z	-0.79	0.00	-0.75	0.00	0.34	0.01	CO 28						
					Min V _z	-0.30	0.01	-2.47	0.00	1.33	0.01	CO 17						
					Max M _T	-0.34	0.01	-2.47	0.00	1.32	0.01	CO 20						
					Min M _T	-0.79	0.00	-0.75	0.00	0.34	0.01	CO 28						
					Max M _y	-0.30	0.01	-2.47	0.00	1.33	0.01	CO 17						
					Min M _y	-0.79	0.00	-0.75	0.00	0.34	0.01	CO 28						
					Max M _z	-0.37	0.01	-2.47	0.00	1.32	0.01	CO 22						
					Min M _z	-0.73	0.00	-0.75	0.00	0.34	0.01	CO 23						
					Max N	-0.34	0.01	-2.32	0.00	0.91	0.01	CO 17						
					Min N	-0.84	0.00	-0.66	0.00	0.22	0.01	CO 28						
					Max V _y	-0.41	0.01	-2.32	0.00	0.90	0.01	CO 22						
					Min V _y	-0.77	0.00	-0.66	0.00	0.22	0.01	CO 23						
					Max V _z	-0.84	0.00	-0.66	0.00	0.22	0.01	CO 28						
					Min V _z	-0.34	0.01	-2.32	0.00	0.91	0.01	CO 17						
						Max M _T	-0.38	0.01	-2.32	0.00	0.91	0.01	CO 20					
						Min M _T	-0.84	0.00	-0.66	0.00	0.22	0.01	CO 28					
						Max M _y	-0.34	0.01	-2.32	0.00	0.91	0.01	CO 17					
						Min M _y	-0.84	0.00	-0.66	0.00	0.22	0.01	CO 28					
						Max M _z	-0.41	0.01	-2.32	0.00	0.90	0.01	CO 22					
						Min M _z	-0.77	0.00	-0.66	0.00	0.22	0.01	CO 23					
						Max N	-0.34	0.01	-2.32	0.00	0.91	0.01	CO 17					
						Min N	-0.84	0.00	-0.66	0.00	0.22	0.01	CO 28					
						Max V _y	-0.41	0.01	-2.32	0.00	0.90	0.01	CO 22					
						Min V _y	-0.77	0.00	-0.66	0.00	0.22	0.01	CO 23					
						Max V _z	-0.84	0.00	-0.66	0.00	0.22	0.01	CO 28					
						Min V _z	-0.34	0.01	-2.32	0.00	0.91	0.01	CO 17					
									Max M _T	-0.38	0.01	-2.32	0.00	0.91	0.01	CO 20		
									Min M _T	-0.84	0.00	-0.66	0.00	0.22	0.01	CO 28		
									Max M _y	-0.34	0.01	-2.32	0.00	0.91	0.01	CO 17		
				Min M _y	-0.84				0.00	-0.66	0.00	0.22	0.01	CO 28				
				Max M _z	-0.41				0.01	-2.32	0.00	0.90	0.01	CO 22				
				Min M _z	-0.77				0.00	-0.66	0.00	0.22	0.01	CO 23				
				Max N	-0.34				0.01	-2.32	0.00	0.91	0.01	CO 17				
				Min N	-0.84				0.00	-0.66	0.00	0.22	0.01	CO 28				
				Max V _y	-0.41				0.01	-2.32	0.00	0.90	0.01	CO 22				
				Min V _y	-0.77				0.00	-0.66	0.00	0.22	0.01	CO 23				
				Max V _z	-0.84				0.00	-0.66	0.00	0.22	0.01	CO 28				
				Min V _z	-0.34				0.01	-2.32	0.00	0.91	0.01	CO 17				
										Max M _T	-0.38	0.01	-2.32	0.00	0.91	0.01	CO 20	
										Min M _T	-0.84	0.00	-0.66	0.00	0.22	0.01	CO 28	
										Max M _y	-0.34	0.01	-2.32	0.00	0.91	0.01	CO 17	
							Min M _y	-0.84		0.00	-0.66	0.00	0.22	0.01	CO 28			
							Max M _z	-0.41		0.01	-2.32	0.00	0.90	0.01	CO 22			
							Min M _z	-0.77		0.00	-0.66	0.00	0.22	0.01	CO 23			
							Max N	-0.62		0.01	-0.63	0.00	-0.74	0.00	CO 17			
							Min N	-1.11		0.00	-0.14	0.00	-0.21	0.00	CO 28			
							Max V _y	-0.69		0.01	-0.63	0.00	-0.74	0.00	CO 22			
							Min V _y	-1.04		0.00	-0.14	0.00	-0.21	0.00	CO 23			
							Max V _z	-1.11		0.00	-0.14	0.00	-0.21	0.00	CO 28			
							Min V _z	-0.62		0.01	-0.63	0.00	-0.74	0.00	CO 17			
											Max M _T	-0.66	0.01	-0.63	0.00	-0.74	0.00	CO 20
											Min M _T	-1.11	0.00	-0.14	0.00	-0.21	0.00	CO 28
											Max M _y	-1.06	0.00	-0.14	0.00	-0.21	0.00	CO 24
					Min M _y				-0.69		0.01	-0.63	0.00	-0.74	0.00	CO 22		
					Max M _z				-0.69		0.01	-0.63	0.00	-0.74	0.00	CO 22		
					Min M _z				-1.04		0.00	-0.14	0.00	-0.21	0.00	CO 23		
					Max N				-1.12		0.01	3.11	0.00	1.69	-0.01	CO 17		
					Min N				-1.61		0.00	0.81	0.00	0.45	-0.00	CO 28		
					Max V _y				-1.19		0.01	3.11	0.00	1.69	-0.01	CO 22		
					Min V _y				-1.55		0.00	0.81	0.00	0.45	-0.00	CO 23		
					Max V _z				-1.19		0.01	3.11	0.00	1.69	-0.01	CO 22		

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases			
				N	V _y	V _z	M _T	M _y	M _z					
134	RC2	93	3.221 Right	Min V _z	-1.55	0.00	▷	0.81	0.00	0.45	-0.00	CO 23		
				Max M _T	-1.16	0.01		3.11	▷	0.00	1.69	-0.01	CO 20	
				Min M _T	-1.61	0.00		0.81	▷	0.00	0.45	-0.00	CO 28	
				Max M _y	-1.19	0.01		3.11	0.00	▷	1.69	-0.01	CO 22	
				Min M _y	-1.55	0.00		0.81	▷	0.00	0.45	-0.00	CO 23	
				Max M _z	-1.55	0.00		0.81	0.00	▷	0.45	-0.00	CO 23	
				Min M _z	-1.19	0.01		3.11	0.00	▷	1.69	-0.01	CO 22	
				Max N	-1.12	0.01		3.11	0.00		1.69	-0.01	CO 17	
				Min N	-1.61	0.00		0.81	0.00		0.45	-0.00	CO 28	
				Max V _y	-1.19	0.01	▷	3.11	0.00		1.69	-0.01	CO 22	
				Min V _y	-1.55	0.00	▷	0.81	0.00		0.45	-0.00	CO 23	
				Max V _z	-1.19	0.01	▷	3.11	0.00		1.69	-0.01	CO 22	
				Min V _z	-1.55	0.00	▷	0.81	0.00		0.45	-0.00	CO 23	
				Max M _T	-1.16	0.01	▷	3.11	0.00		1.69	-0.01	CO 20	
				Min M _T	-1.61	0.00		0.81	▷	0.00	0.45	-0.00	CO 28	
				Max M _y	-1.19	0.01		3.11	0.00	▷	1.69	-0.01	CO 22	
				Min M _y	-1.55	0.00		0.81	0.00	▷	0.45	-0.00	CO 23	
				Max M _z	-1.55	0.00		0.81	0.00		0.45	▷	-0.00	CO 23
				Min M _z	-1.19	0.01		3.11	0.00		1.69	▷	-0.01	CO 22
	RC6	73	0.000 Left	Max N	1.71	0.00		-1.77	0.00	0.98	0.01	LC 1-4		
				Min N	-3.87	0.00		-1.76	0.00	0.97	0.01	LC 1-5		
				Max V _y	-0.22	▷	0.01	-1.76	0.00	0.96	0.02	LC 1-5		
				Min V _y	-1.95	▷	-0.00	-1.77	0.00	0.98	-0.00	LC 1-4		
				Max V _z	-1.03	0.01	▷	-1.75	0.00	0.95	0.01	LC 1-5		
				Min V _z	-1.14	0.00		-1.77	0.00	1.00	0.00	LC 1-4		
				Max M _T	-1.40	0.00	▷	-1.77	0.00	0.99	0.00	LC 1-4		
				Min M _T	-0.77	0.01		-1.76	▷	0.00	0.96	0.01	LC 1-5	
				Max M _y	-1.34	0.00		-1.77	0.00	▷	1.00	0.00	LC 1-4	
				Min M _y	-0.82	0.01		-1.75	0.00	▷	0.95	0.01	LC 1-5	
				Max M _z	-0.14	0.01		-1.76	0.00	▷	0.96	0.02	LC 1-5	
				Min M _z	-2.03	-0.00		-1.77	0.00	▷	0.98	-0.00	LC 1-4	
			0.000 Right	Max N	1.71	0.00		-1.77	0.00	0.98	0.01	LC 1-4		
				Min N	-3.87	0.00		-1.76	0.00	0.97	0.01	LC 1-5		
				Max V _y	-0.22	▷	0.01	-1.76	0.00	0.96	0.02	LC 1-5		
				Min V _y	-1.95	▷	-0.00	-1.77	0.00	0.98	-0.00	LC 1-4		
				Max V _z	-1.03	0.01	▷	-1.75	0.00	0.95	0.01	LC 1-5		
				Min V _z	-1.14	0.00		-1.77	0.00	1.00	0.00	LC 1-4		
				Max M _T	-1.40	0.00		-1.77	▷	0.00	0.99	0.00	LC 1-4	
				Min M _T	-0.77	0.01		-1.76	▷	0.00	0.96	0.01	LC 1-5	
				Max M _y	-1.34	0.00		-1.77	0.00	▷	1.00	0.00	LC 1-4	
				Min M _y	-0.82	0.01		-1.75	0.00	▷	0.95	0.01	LC 1-5	
				Max M _z	-0.14	0.01		-1.76	0.00	▷	0.96	0.02	LC 1-5	
				Min M _z	-2.03	-0.00		-1.77	0.00	▷	0.98	-0.00	LC 1-4	
			0.174 Left	Max N	1.70	0.00		-1.70	0.00	0.67	0.01	LC 1-4		
				Min N	-3.88	0.00		-1.69	0.00	0.67	0.01	LC 1-5		
				Max V _y	-0.22	▷	0.01	-1.69	0.00	0.66	0.02	LC 1-5		
				Min V _y	-1.95	▷	-0.00	-1.70	0.00	0.68	-0.00	LC 1-4		
				Max V _z	-1.03	0.01	▷	-1.68	0.00	0.65	0.01	LC 1-5		
				Min V _z	-1.14	0.00		-1.70	0.00	0.69	0.00	LC 1-4		
				Max M _T	-1.40	0.00		-1.70	▷	0.00	0.69	0.00	LC 1-4	
				Min M _T	-0.77	0.01		-1.68	▷	0.00	0.65	0.01	LC 1-5	
				Max M _y	-1.37	0.00		-1.70	0.00	▷	0.69	0.00	LC 1-4	
				Min M _y	-0.81	0.01		-1.68	0.00	▷	0.65	0.01	LC 1-5	
				Max M _z	-0.14	0.01		-1.69	0.00	▷	0.66	0.02	LC 1-5	
				Min M _z	-2.03	-0.00		-1.69	0.00	▷	0.68	-0.00	LC 1-4	
			0.174 Right	Max N	1.70	0.00		-1.70	0.00	0.67	0.01	LC 1-4		
				Min N	-3.88	0.00		-1.69	0.00	0.67	0.01	LC 1-5		
				Max V _y	-0.22	▷	0.01	-1.69	0.00	0.66	0.02	LC 1-5		
				Min V _y	-1.95	▷	-0.00	-1.70	0.00	0.68	-0.00	LC 1-4		
				Max V _z	-1.03	0.01	▷	-1.68	0.00	0.65	0.01	LC 1-5		
				Min V _z	-1.14	0.00		-1.70	0.00	0.69	0.00	LC 1-4		
				Max M _T	-1.40	0.00		-1.70	▷	0.00	0.69	0.00	LC 1-4	
				Min M _T	-0.77	0.01		-1.68	▷	0.00	0.65	0.01	LC 1-5	
				Max M _y	-1.37	0.00		-1.70	0.00	▷	0.69	0.00	LC 1-4	
				Min M _y	-0.81	0.01		-1.68	0.00	▷	0.65	0.01	LC 1-5	
				Max M _z	-0.14	0.01		-1.69	0.00	▷	0.66	0.02	LC 1-5	
				Min M _z	-2.03	-0.00		-1.69	0.00	▷	0.68	-0.00	LC 1-4	
			1.248 Left	Max N	1.69	0.00		-0.49	0.00	-0.56	0.00	LC 1-4		
				Min N	-3.89	0.00		-0.48	0.00	-0.56	0.00	LC 1-5		
				Max V _y	-0.24	▷	0.01	-0.48	0.00	-0.56	0.01	LC 1-5		
				Min V _y	-1.97	▷	-0.00	-0.49	0.00	-0.55	-0.00	LC 1-4		
				Max V _z	-1.05	0.01	▷	-0.48	0.00	-0.57	0.00	LC 1-5		
				Min V _z	-1.16	0.00		-0.50	0.00	-0.55	0.00	LC 1-4		
				Max M _T	-1.42	0.00		-0.50	▷	0.00	-0.55	-0.00	LC 1-4	
				Min M _T	-0.79	0.01		-0.48	▷	0.00	-0.57	0.00	LC 1-5	
				Max M _y	-1.83	0.00		-0.50	0.00	▷	-0.55	0.00	LC 1-4	
				Min M _y	-0.38	0.01		-0.48	0.00	▷	-0.57	0.00	LC 1-5	
				Max M _z	-0.12	0.01		-0.49	0.00	▷	-0.56	0.01	LC 1-5	
				Min M _z	-2.09	0.00		-0.49	0.00	▷	-0.56	-0.00	LC 1-4	
			1.248 Right	Max N	1.69	0.00		-0.49	0.00	-0.56	0.00	LC 1-4		
				Min N	-3.89	0.00		-0.48	0.00	-0.56	0.00	LC 1-5		
				Max V _y	-0.24	▷	0.01	-0.48	0.00	-0.56	0.01	LC 1-5		
				Min V _y	-1.97	▷	-0.00	-0.49	0.00	-0.55	-0.00	LC 1-4		
				Max V _z	-1.05	0.01	▷	-0.48	0.00	-0.57	0.00	LC 1-5		
				Min V _z	-1.16	0.00		-0.50	0.00	-0.55	0.00	LC 1-4		
				Max M _T	-1.42	0.00		-0.50	▷	0.00	-0.55	-0.00	LC 1-4	
				Min M _T	-0.79	0.01		-0.48	▷	0.00	-0.57	0.00	LC 1-5	
				Max M _y	-1.83	0.00		-0.50	0.00	▷	-0.55	0.00	LC 1-4	
				Min M _y	-0.38	0.01		-0.48	0.00	▷	-0.57	0.00	LC 1-5	
				Max M _z	-0.12	0.01		-0.49	0.00	▷	-0.56	0.01	LC 1-5	
				Min M _z	-2.09	0.00		-0.49	0.00	▷	-0.56	-0.00	LC 1-4	
			3.221	Max N	1.65	0.00		2.35	0.00	1.27	-0.01	LC 1-4		

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
134	RC6	93	Left	Min N	▷ -3.93	0.00	2.36	0.00	1.29	-0.00	LC 1-5	
				Max V _y	▷ -0.27	0.01	2.36	0.00	1.28	-0.01	LC 1-5	
				Min V _y	▷ -2.00	-0.00	2.35	0.00	1.27	-0.00	LC 1-4	
				Max V _z	▷ -1.08	0.01	2.37	0.00	1.29	-0.01	LC 1-5	
				Min V _z	▷ -1.19	0.00	2.35	0.00	1.27	-0.00	LC 1-4	
				Max M _T	▷ -1.45	0.00	2.35	▷ 0.00	1.27	-0.00	LC 1-4	
				Min M _T	▷ -0.82	0.01	2.36	▷ 0.00	1.28	-0.01	LC 1-5	
				Max M _y	▷ -3.23	0.00	2.37	0.00	1.29	-0.01	LC 1-5	
				Min M _y	▷ 0.96	0.00	2.35	▷ 0.00	1.26	-0.00	LC 1-4	
				Max M _z	▷ -1.92	-0.00	2.35	0.00	1.27	-0.00	LC 1-4	
				Min M _z	▷ -0.35	0.01	2.36	0.00	1.28	▷ -0.01	LC 1-5	
				Max N	▷ 1.65	0.00	2.35	0.00	1.27	-0.01	LC 1-4	
			Right	Min N	▷ -3.93	0.00	2.36	0.00	1.29	-0.00	LC 1-5	
				Max V _y	▷ -0.27	▷ 0.01	2.36	0.00	1.28	-0.01	LC 1-5	
				Min V _y	▷ -2.00	▷ -0.00	2.35	0.00	1.27	-0.00	LC 1-4	
				Max V _z	▷ -1.08	▷ 0.01	2.37	0.00	1.29	-0.01	LC 1-5	
				Min V _z	▷ -1.19	▷ 0.00	2.35	0.00	1.27	-0.00	LC 1-4	
				Max M _T	▷ -1.45	0.00	2.35	▷ 0.00	1.27	-0.00	LC 1-4	
				Min M _T	▷ -0.82	0.01	2.36	▷ 0.00	1.28	-0.01	LC 1-5	
				Max M _y	▷ -3.23	0.00	2.37	0.00	1.29	-0.01	LC 1-5	
				Min M _y	▷ 0.96	0.00	2.35	▷ 0.00	1.26	-0.00	LC 1-4	
				Max M _z	▷ -1.92	-0.00	2.35	0.00	1.27	▷ -0.00	LC 1-4	
				Min M _z	▷ -0.35	0.01	2.36	0.00	1.28	▷ -0.01	LC 1-5	
				Max N	▷ -3.12	0.01	-0.71	0.00	0.20	0.01	CO 9	
136	RC1	21	Left	Min N	▷ -9.11	0.02	-1.95	0.00	0.57	0.03	CO 8	
				Max V _y	▷ -9.09	▷ 0.02	-1.95	0.00	0.57	0.03	CO 2	
				Min V _y	▷ -3.13	▷ 0.01	-0.71	0.00	0.20	0.01	CO 11	
				Max V _z	▷ -3.13	▷ 0.01	-0.71	0.00	0.20	0.01	CO 10	
				Min V _z	▷ -9.09	▷ 0.02	-1.95	0.00	0.57	0.03	CO 5	
				Max M _T	▷ -9.07	▷ 0.02	-1.95	▷ 0.00	0.57	0.03	CO 3	
				Min M _T	▷ -3.16	▷ 0.01	-0.71	▷ 0.00	0.20	0.01	CO 14	
				Max M _y	▷ -9.10	▷ 0.02	-1.95	▷ 0.00	0.57	0.03	CO 6	
				Min M _y	▷ -3.12	▷ 0.01	-0.71	▷ 0.00	0.20	0.01	CO 9	
				Max M _z	▷ -9.09	▷ 0.02	-1.95	▷ 0.00	0.57	▷ 0.03	CO 2	
				Min M _z	▷ -3.13	▷ 0.01	-0.71	▷ 0.00	0.20	▷ 0.01	CO 11	
			Right	Max N	▷ -3.12	▷ 0.01	-0.71	0.00	0.20	0.01	CO 9	
				Min N	▷ -9.11	▷ 0.02	-1.95	0.00	0.57	0.03	CO 8	
				Max V _y	▷ -9.09	▷ 0.02	-1.95	0.00	0.57	0.03	CO 2	
				Min V _y	▷ -3.13	▷ 0.01	-0.71	0.00	0.20	0.01	CO 11	
				Max V _z	▷ -3.13	▷ 0.01	-0.71	0.00	0.20	0.01	CO 10	
				Min V _z	▷ -9.09	▷ 0.02	-1.95	0.00	0.57	0.03	CO 5	
				Max M _T	▷ -9.07	▷ 0.02	-1.95	▷ 0.00	0.57	0.03	CO 3	
				Min M _T	▷ -3.16	▷ 0.01	-0.71	▷ 0.00	0.20	0.01	CO 14	
				Max M _y	▷ -9.10	▷ 0.02	-1.95	▷ 0.00	0.57	▷ 0.03	CO 6	
				Min M _y	▷ -3.12	▷ 0.01	-0.71	▷ 0.00	0.20	0.01	CO 9	
				Max M _z	▷ -9.09	▷ 0.02	-1.95	▷ 0.00	0.57	▷ 0.03	CO 2	
				Min M _z	▷ -3.13	▷ 0.01	-0.71	▷ 0.00	0.20	▷ 0.01	CO 11	
			Left	Max N	▷ -3.18	0.01	-0.59	0.00	0.08	0.01	CO 9	
				Min N	▷ -9.17	0.02	-1.74	0.00	0.24	0.03	CO 8	
				Max V _y	▷ -9.16	▷ 0.02	-1.74	0.00	0.24	0.03	CO 2	
				Min V _y	▷ -3.20	▷ 0.01	-0.59	0.00	0.08	0.01	CO 11	
				Max V _z	▷ -3.19	▷ 0.01	-0.59	0.00	0.08	0.01	CO 10	
				Min V _z	▷ -9.15	▷ 0.02	-1.74	0.00	0.24	0.03	CO 5	
				Max M _T	▷ -9.14	▷ 0.02	-1.74	▷ 0.00	0.24	0.03	CO 3	
				Min M _T	▷ -3.22	▷ 0.01	-0.59	▷ 0.00	0.08	0.01	CO 14	
				Max M _y	▷ -9.16	▷ 0.02	-1.74	▷ 0.00	0.24	▷ 0.03	CO 6	
				Min M _y	▷ -3.18	▷ 0.01	-0.59	▷ 0.00	0.08	0.01	CO 9	
				Max M _z	▷ -9.16	▷ 0.02	-1.74	▷ 0.00	0.24	▷ 0.03	CO 2	
				Min M _z	▷ -3.20	▷ 0.01	-0.59	▷ 0.00	0.08	▷ 0.01	CO 11	
			Right	Max N	▷ -3.18	0.01	-0.59	0.00	0.08	0.01	CO 9	
				Min N	▷ -9.17	0.02	-1.74	0.00	0.24	0.03	CO 8	
				Max V _y	▷ -9.16	▷ 0.02	-1.74	0.00	0.24	0.03	CO 2	
				Min V _y	▷ -3.20	▷ 0.01	-0.59	0.00	0.08	0.01	CO 11	
				Max V _z	▷ -3.19	▷ 0.01	-0.59	0.00	0.08	0.01	CO 10	
				Min V _z	▷ -9.15	▷ 0.02	-1.74	0.00	0.24	0.03	CO 5	
				Max M _T	▷ -9.14	▷ 0.02	-1.74	▷ 0.00	0.24	0.03	CO 3	
				Min M _T	▷ -3.22	▷ 0.01	-0.59	▷ 0.00	0.08	0.01	CO 14	
				Max M _y	▷ -9.16	▷ 0.02	-1.74	▷ 0.00	0.24	▷ 0.03	CO 6	
				Min M _y	▷ -3.18	▷ 0.01	-0.59	▷ 0.00	0.08	0.01	CO 9	
				Max M _z	▷ -9.16	▷ 0.02	-1.74	▷ 0.00	0.24	▷ 0.03	CO 2	
				Min M _z	▷ -3.20	▷ 0.01	-0.59	▷ 0.00	0.08	▷ 0.01	CO 11	
			Left	Max N	▷ -3.59	0.01	0.19	0.00	-0.13	-0.00	CO 9	
				Min N	▷ -9.58	0.03	0.65	0.00	-0.44	-0.00	CO 8	
				Max V _y	▷ -9.57	▷ 0.03	0.65	0.00	-0.44	-0.00	CO 2	
				Min V _y	▷ -3.61	▷ 0.01	0.19	0.00	-0.13	-0.00	CO 11	
				Max V _z	▷ -9.57	▷ 0.03	0.65	0.00	-0.44	-0.00	CO 2	
				Min V _z	▷ -3.61	▷ 0.01	0.19	0.00	-0.13	-0.00	CO 11	
				Max M _T	▷ -9.55	▷ 0.03	0.65	▷ 0.00	-0.44	-0.00	CO 3	
				Min M _T	▷ -3.63	▷ 0.01	0.19	▷ 0.00	-0.13	-0.00	CO 14	
				Max M _y	▷ -3.61	▷ 0.01	0.19	▷ 0.00	-0.13	-0.00	CO 12	
				Min M _y	▷ -9.56	▷ 0.03	0.65	▷ 0.00	-0.44	-0.00	CO 1	
				Max M _z	▷ -3.59	▷ 0.01	0.19	▷ 0.00	-0.13	-0.00	CO 9	
				Min M _z	▷ -9.58	▷ 0.03	0.65	▷ 0.00	-0.44	-0.00	CO 8	
			Right	Max N	▷ -3.59	0.01	0.19	0.00	-0.13	-0.00	CO 9	
				Min N	▷ -9.58	▷ 0.03	0.65	0.00	-0.44	-0.00	CO 8	
				Max V _y	▷ -9.57	▷ 0.03	0.65	0.00	-0.44	-0.00	CO 2	
				Min V _y	▷ -3.61	▷ 0.01	0.19	0.00	-0.13	-0.00	CO 11	
				Max V _z	▷ -9.57	▷ 0.03	0.65	0.00	-0.44	-0.00	CO 2	
				Min V _z	▷ -3.61	▷ 0.01	0.19	▷ 0.00	-0.13	-0.00	CO 11	
				Max M _T	▷ -9.55	▷ 0.03	0.65	▷ 0.00	-0.44	-0.00	CO 3	
				Min M _T	▷ -3.63	▷ 0.01	0.19	▷ 0.00	-0.13	-0.00	CO 14	
				Max M _y	▷ -3.61	▷ 0.01	0.19	▷ 0.00	-0.13	-0.00	CO 12	
				Min M _y	▷ -9.56	▷ 0.03	0.65	▷ 0.00	-0.44	-0.00	CO 1	
				Max M _z	▷ -3.59	▷ 0.01	0.19	▷ 0.00	-0.13	-0.00	CO 9	
				Min M _z	▷ -9.58	▷ 0.03	0.65	▷ 0.00	-0.44	-0.00	CO 8	

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases				
					N	V _y	V _z	M _T	M _y	M _z					
136	RC1		2.147 Left	Min M _y	-9.56	0.03	0.65	0.00	▷ -0.44	▷ -0.00	CO 1				
				Max M _z	-3.59	0.01	0.19	0.00	▷ -0.13	▷ -0.00	CO 9				
				Min M _z	-9.58	0.03	0.65	0.00	▷ -0.44	▷ -0.00	CO 8				
				Max N	▷ -3.93	0.01	0.84	0.00	0.34	▷ -0.01	CO 9				
				Min N	▷ -9.92	0.03	3.02	0.00	1.23	▷ -0.03	CO 8				
				Max V _y	▷ -9.91	0.03	3.02	0.00	1.23	▷ -0.03	CO 2				
				Min V _y	▷ -3.95	0.01	0.84	0.00	0.34	▷ -0.01	CO 11				
				Max V _z	▷ -9.91	0.03	3.02	0.00	1.23	▷ -0.03	CO 2				
				Min V _z	▷ -3.95	0.01	0.84	0.00	0.34	▷ -0.01	CO 11				
				Max M _T	▷ -9.89	0.02	3.02	▷ 0.00	1.23	▷ -0.03	CO 3				
				Min M _T	▷ -3.97	0.01	0.84	▷ 0.00	0.34	▷ -0.01	CO 14				
				Max M _y	▷ -9.91	0.03	3.02	▷ 0.00	1.23	▷ -0.03	CO 2				
				Min M _y	▷ -3.95	0.01	0.84	▷ 0.00	0.34	▷ -0.01	CO 11				
				Max M _z	▷ -3.95	0.01	0.84	▷ 0.00	0.34	▷ -0.01	CO 11				
			Min M _z	▷ -9.91	0.03	3.02	▷ 0.00	1.23	▷ -0.03	CO 2					
			95	2.147 Right	Max N	▷ -3.93	0.01	0.84	▷ 0.00	0.34	▷ -0.01	CO 9			
					Min N	▷ -9.92	0.03	3.02	▷ 0.00	1.23	▷ -0.03	CO 8			
					Max V _y	▷ -9.91	0.03	3.02	▷ 0.00	1.23	▷ -0.03	CO 2			
					Min V _y	▷ -3.95	0.01	0.84	▷ 0.00	0.34	▷ -0.01	CO 11			
					Max V _z	▷ -9.91	0.03	3.02	▷ 0.00	1.23	▷ -0.03	CO 2			
					Min V _z	▷ -3.95	0.01	0.84	▷ 0.00	0.34	▷ -0.01	CO 11			
					Max M _T	▷ -9.89	0.02	3.02	▷ 0.00	1.23	▷ -0.03	CO 3			
					Min M _T	▷ -3.97	0.01	0.84	▷ 0.00	0.34	▷ -0.01	CO 14			
					Max M _y	▷ -9.91	0.03	3.02	▷ 0.00	1.23	▷ -0.03	CO 2			
					Min M _y	▷ -3.95	0.01	0.84	▷ 0.00	0.34	▷ -0.01	CO 11			
					Max M _z	▷ -3.95	0.01	0.84	▷ 0.00	0.34	▷ -0.01	CO 11			
					Min M _z	▷ -9.91	0.03	3.02	▷ 0.00	1.23	▷ -0.03	CO 2			
					RC2	21	0.000 Left	Max N	▷ -2.14	0.00	-0.48	0.00	0.13	0.00	CO 23
								Min N	▷ -6.57	0.02	-1.39	0.00	0.40	0.02	CO 22
			Max V _y	▷ -6.56				0.02	-1.39	0.00	0.40	0.02	CO 16		
			Min V _y	▷ -2.16				0.00	-0.48	0.00	0.13	0.00	CO 25		
			Max V _z	▷ -2.15				0.00	-0.48	0.00	0.13	0.01	CO 24		
			Min V _z	▷ -6.56				0.02	-1.39	0.00	0.40	0.02	CO 19		
			Max M _T	▷ -6.55				0.02	-1.39	▷ 0.00	0.40	0.02	CO 17		
			Min M _T	▷ -2.17				0.00	-0.48	▷ 0.00	0.13	0.01	CO 28		
			Max M _y	▷ -6.56				0.02	-1.39	▷ 0.00	0.40	0.02	CO 20		
			Min M _y	▷ -2.14				0.00	-0.48	▷ 0.00	0.13	0.00	CO 23		
			Max M _z	▷ -6.56				0.02	-1.39	▷ 0.00	0.40	0.02	CO 16		
			Min M _z	▷ -2.16				0.00	-0.48	▷ 0.00	0.13	0.00	CO 25		
			0.000 Right	Max N			▷ -2.14	0.00	-0.48	0.00	0.13	0.00	CO 23		
				Min N			▷ -6.57	0.02	-1.39	0.00	0.40	0.02	CO 22		
				Max V _y			▷ -6.56	0.02	-1.39	0.00	0.40	0.02	CO 16		
	Min V _y	▷ -2.16		0.00			-0.48	0.00	0.13	0.00	CO 25				
	Max V _z	▷ -2.15		0.00			-0.48	0.00	0.13	0.01	CO 24				
	Min V _z	▷ -6.56		0.02			-1.39	0.00	0.40	0.02	CO 19				
	Max M _T	▷ -6.55		0.02			-1.39	▷ 0.00	0.40	0.02	CO 17				
	Min M _T	▷ -2.17		0.00			-0.48	▷ 0.00	0.13	0.01	CO 28				
	Max M _y	▷ -6.56		0.02			-1.39	▷ 0.00	0.40	0.02	CO 20				
	Min M _y	▷ -2.14		0.00			-0.48	▷ 0.00	0.13	0.00	CO 23				
	0.174 Left	Max M _z	▷ -6.56	0.02			-1.39	0.00	0.40	0.02	CO 16				
		Min M _z	▷ -2.16	0.00			-0.48	0.00	0.13	0.00	CO 25				
		Max N	▷ -2.19	0.00			-0.39	0.00	0.06	0.00	CO 23				
		Min N	▷ -6.62	0.02			-1.24	0.00	0.17	0.02	CO 22				
		Max V _y	▷ -6.61	0.02			-1.24	0.00	0.17	0.02	CO 16				
		Min V _y	▷ -2.20	0.00			-0.39	0.00	0.06	0.00	CO 25				
		Max V _z	▷ -2.19	0.00			-0.39	0.00	0.06	0.00	CO 24				
		Min V _z	▷ -6.60	0.02			-1.24	0.00	0.17	0.02	CO 19				
		Max M _T	▷ -6.59	0.02			-1.24	▷ 0.00	0.17	0.02	CO 17				
		Min M _T	▷ -2.22	0.00			-0.39	▷ 0.00	0.06	0.00	CO 28				
	0.174 Right	Max M _y	▷ -6.61	0.02			-1.24	▷ 0.00	0.17	0.02	CO 20				
		Min M _y	▷ -2.19	0.00			-0.39	▷ 0.00	0.06	0.00	CO 23				
		Max M _z	▷ -6.61	0.02			-1.24	▷ 0.00	0.17	0.02	CO 16				
		Min M _z	▷ -2.20	0.00			-0.39	▷ 0.00	0.06	0.00	CO 25				
		Max N	▷ -2.19	0.00			-0.39	0.00	0.06	0.00	CO 23				
		Min N	▷ -6.62	0.02			-1.24	0.00	0.17	0.02	CO 22				
		Max V _y	▷ -6.61	0.02			-1.24	0.00	0.17	0.02	CO 16				
		Min V _y	▷ -2.20	0.00			-0.39	0.00	0.06	0.00	CO 25				
		Max V _z	▷ -2.19	0.00			-0.39	0.00	0.06	0.00	CO 24				
		Min V _z	▷ -6.60	0.02			-1.24	▷ 0.00	0.17	0.02	CO 19				
	1.248 Left	Max M _T	▷ -6.59	0.02			-1.24	▷ 0.00	0.17	0.02	CO 17				
		Min M _T	▷ -2.22	0.00			-0.39	▷ 0.00	0.06	0.00	CO 28				
		Max M _y	▷ -6.61	0.02			-1.24	▷ 0.00	0.17	0.02	CO 20				
		Min M _y	▷ -2.19	0.00			-0.39	▷ 0.00	0.06	0.00	CO 23				
		Max M _z	▷ -6.61	0.02			-1.24	▷ 0.00	0.17	0.02	CO 16				
		Min M _z	▷ -2.20	0.00			-0.39	▷ 0.00	0.06	0.00	CO 25				
		Max N	▷ -2.46	0.00			0.13	0.00	-0.09	-0.00	CO 23				
		Min N	▷ -6.89	0.02			0.47	0.00	-0.31	-0.00	CO 22				
		Max V _y	▷ -6.88	0.02	0.47	0.00	-0.31	-0.00	CO 16						
		Min V _y	▷ -2.47	0.00	0.13	0.00	-0.09	-0.00	CO 25						
		Max V _z	▷ -6.88	0.02	0.47	0.00	-0.31	-0.00	CO 16						
		Min V _z	▷ -2.47	0.00	0.13	0.00	-0.09	-0.00	CO 25						
		Max M _T	▷ -6.86	0.02	0.46	▷ 0.00	-0.31	-0.00	CO 17						
		Min M _T	▷ -2.49	0.00	0.13	▷ 0.00	-0.09	-0.00	CO 28						
		Max M _y	▷ -2.48	0.00	0.13	▷ 0.00	-0.09	-0.00	CO 26						
		Min M _y	▷ -6.87	0.02	0.47	▷ 0.00	-0.31	-0.00	CO 15						
		Max M _z	▷ -2.46	0.00	0.13	0.00	-0.09	-0.00	CO 23						
		1.248 Right	Min M _z	▷ -6.89	0.02	0.47	▷ 0.00	-0.31	-0.00	CO 22					
	Max N		▷ -2.46	0.00	0.13	0.00	-0.09	-0.00	CO 23						
	Min N		▷ -6.89	0.02	0.47	0.00	-0.31	-0.00	CO 22						
	Max V _y		▷ -6.88	0.02	0.47	0.00	-0.31	-0.00	CO 16						
	Min V _y		▷ -2.47	0.00	0.13	0.00	-0.09	-0.00	CO 25						
	Max V _z		▷ -6.88	0.02	0.47	0.00	-0.31	-0.00	CO 16						



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding		
				N	V _y	V _z	M _T	M _y	M _z	Load Cases				
136	RC2		2.147 Left	Min V _z	-2.47	0.00	▷	0.13	0.00	-0.09	-0.00	CO 25		
				Max M _T	-6.86	0.02		0.46	▷	0.00	-0.31	-0.00	CO 17	
				Min M _T	-2.49	0.00		0.13	▷	0.00	-0.09	-0.00	CO 28	
				Max M _y	-2.48	0.00		0.13		0.00	-0.09	-0.00	CO 26	
				Min M _y	-6.87	0.02		0.47	▷	0.00	-0.31	-0.00	CO 15	
				Max M _z	-2.46	0.00		0.13		0.00	-0.09	-0.00	CO 23	
				Min M _z	-6.89	0.02		0.47	▷	0.00	-0.31	-0.00	CO 22	
				Max N	-2.69	0.00		0.56		0.00	0.22	-0.00	CO 23	
				Min N	-7.12	0.02		2.18		0.00	0.88	-0.02	CO 22	
				Max V _y	-7.11	0.02	▷	2.18		0.00	0.88	-0.02	CO 16	
				Min V _y	-2.70	0.00	▷	0.56		0.00	0.22	-0.00	CO 25	
				Max V _z	-7.11	0.02	▷	2.18		0.00	0.88	-0.02	CO 16	
				Min V _z	-2.70	0.00	▷	0.56		0.00	0.22	-0.00	CO 25	
				Max M _T	-7.09	0.02		2.18		0.00	0.88	-0.02	CO 17	
				Min M _T	-2.72	0.00		0.56	▷	0.00	0.22	-0.00	CO 28	
				Max M _y	-7.11	0.02		2.18		0.00	0.88	-0.02	CO 16	
				Min M _y	-2.70	0.00		0.56	▷	0.00	0.22	-0.00	CO 25	
				Max M _z	-2.70	0.00		0.56		0.00	0.22	▷	-0.00	CO 25
				Min M _z	-7.11	0.02		2.18		0.00	0.88	▷	-0.02	CO 16
				Max N	-2.69	0.00		0.56		0.00	0.22	-0.00	CO 23	
				Min N	-7.12	0.02	▷	2.18		0.00	0.88	-0.02	CO 22	
				Max V _y	-7.11	0.02	▷	2.18		0.00	0.88	-0.02	CO 16	
				Min V _y	-2.70	0.00		0.56		0.00	0.22	-0.00	CO 25	
				Max V _z	-7.11	0.02	▷	2.18		0.00	0.88	-0.02	CO 16	
				Min V _z	-2.70	0.00		0.56	▷	0.00	0.22	-0.00	CO 25	
				Max M _T	-7.09	0.02		2.18	▷	0.00	0.88	-0.02	CO 17	
				Min M _T	-2.72	0.00		0.56	▷	0.00	0.22	-0.00	CO 28	
				Max M _y	-7.11	0.02		2.18		0.00	0.88	-0.02	CO 16	
				Min M _y	-2.70	0.00		0.56		▷	0.22	-0.00	CO 25	
				Max M _z	-2.70	0.00		0.56		▷	0.22	▷	-0.00	CO 25
				Min M _z	-7.11	0.02		2.18		▷	0.88	▷	-0.02	CO 16
				Max N	-4.02	0.01	▷	-0.95		0.00	0.27		0.02	LC 1-4
				Min N	-6.43	0.02	▷	-0.96		-0.00	0.30		0.02	LC 1-5
				Max V _y	-5.54	0.03	▷	-0.87		0.00	0.19		0.04	LC 1-4
				Min V _y	-4.91	-0.00	▷	-1.03		0.00	0.39		-0.00	LC 1-5
				Max V _z	-5.36	0.03	▷	-0.87		0.00	0.19		0.04	LC 1-4
				Min V _z	-5.09	-0.00	▷	-1.04		0.00	0.39		-0.00	LC 1-5
				Max M _T	-4.07	0.02		-0.93	▷	0.00	0.26		0.02	LC 1-4
				Min M _T	-6.38	0.01		-0.98	▷	-0.00	0.32		0.02	LC 1-5
				Max M _y	-5.11	-0.00		-1.04		0.00	0.39	▷	-0.00	LC 1-5
				Min M _y	-5.34	0.03		-0.87		▷	0.19		0.04	LC 1-4
				Max M _z	-5.51	0.03		-0.87		▷	0.19	▷	0.04	LC 1-4
				Min M _z	-4.94	-0.00		-1.03		▷	0.39	▷	-0.00	LC 1-5
				Max N	-4.02	0.01	▷	-0.95		0.00	0.27		0.02	LC 1-4
				Min N	-6.43	0.02	▷	-0.96		-0.00	0.30		0.02	LC 1-5
				Max V _y	-5.54	0.03	▷	-0.87		0.00	0.19		0.04	LC 1-4
				Min V _y	-4.91	-0.00	▷	-1.03		0.00	0.39		-0.00	LC 1-5
				Max V _z	-5.36	0.03	▷	-0.87		0.00	0.19		0.04	LC 1-4
	Min V _z	-5.09	-0.00	▷	-1.04		0.00	0.39		-0.00	LC 1-5			
	Max M _T	-4.07	0.02		-0.93	▷	0.00	0.26		0.02	LC 1-4			
	Min M _T	-6.38	0.01		-0.98	▷	-0.00	0.32		0.02	LC 1-5			
	Max M _y	-5.11	-0.00		-1.04		▷	0.39		-0.00	LC 1-5			
	Min M _y	-5.34	0.03		-0.87		▷	0.19		0.04	LC 1-4			
	Max M _z	-5.51	0.03		-0.87		▷	0.19	▷	0.04	LC 1-4			
	Min M _z	-4.94	-0.00		-1.03		▷	0.39	▷	-0.00	LC 1-5			
	Max N	-4.02	0.01	▷	-0.88		0.00	0.11		0.01	LC 1-4			
	Min N	-6.44	0.02	▷	-0.89		-0.00	0.14		0.02	LC 1-5			
	Max V _y	-5.54	0.03	▷	-0.80		0.00	0.04		0.03	LC 1-4			
	Min V _y	-4.91	-0.00	▷	-0.96		0.00	0.21		-0.00	LC 1-5			
	Max V _z	-5.36	0.03	▷	-0.80		0.00	0.04		0.03	LC 1-4			
	Min V _z	-5.09	-0.00	▷	-0.97		0.00	0.22		0.00	LC 1-5			
	Max M _T	-4.08	0.02		-0.86	▷	0.00	0.10		0.02	LC 1-4			
	Min M _T	-6.38	0.01		-0.91	▷	-0.00	0.16		0.01	LC 1-5			
	Max M _y	-5.12	-0.00		-0.97		▷	0.22		0.00	LC 1-5			
	Min M _y	-5.33	0.03		-0.80		▷	0.04		0.03	LC 1-4			
	Max M _z	-5.51	0.03		-0.80		▷	0.04	▷	0.03	LC 1-4			
	Min M _z	-4.95	-0.00		-0.96		▷	0.21	▷	-0.00	LC 1-5			
	Max N	-4.02	0.01	▷	-0.88		0.00	0.11		0.01	LC 1-4			
	Min N	-6.44	0.02	▷	-0.89		-0.00	0.14		0.02	LC 1-5			
	Max V _y	-5.54	0.03	▷	-0.80		0.00	0.04		0.03	LC 1-4			
	Min V _y	-4.91	-0.00	▷	-0.96		0.00	0.21		-0.00	LC 1-5			
	Max V _z	-5.36	0.03	▷	-0.80		0.00	0.04		0.03	LC 1-4			
	Min V _z	-5.09	-0.00	▷	-0.97		0.00	0.22		0.00	LC 1-5			
	Max M _T	-4.08	0.02		-0.86	▷	0.00	0.10		0.02	LC 1-4			
	Min M _T	-6.38	0.01		-0.91	▷	-0.00	0.16		0.01	LC 1-5			
	Max M _y	-5.12	-0.00		-0.97		▷	0.22		0.00	LC 1-5			
	Min M _y	-5.33	0.03		-0.80		▷	0.04		0.03	LC 1-4			
	Max M _z	-5.51	0.03		-0.80		▷	0.04	▷	0.03	LC 1-4			
	Min M _z	-4.95	-0.00		-0.96		▷	0.21	▷	-0.00	LC 1-5			
	Max N	-4.04	0.01	▷	-0.33		0.00	-0.24		-0.00	LC 1-4			
	Min N	-6.45	0.02	▷	-0.32		-0.00	-0.23		-0.00	LC 1-5			
	Max V _y	-5.56	0.03	▷	-0.40		0.00	-0.23		-0.00	LC 1-4			
	Min V _y	-4.93	-0.00	▷	-0.24		0.00	-0.24		0.00	LC 1-5			
	Max V _z	-5.38	0.03	▷	-0.41		0.00	-0.23		-0.00	LC 1-4			
	Min V _z	-5.11	-0.00	▷	-0.24		0.00	-0.24		0.00	LC 1-5			
	Max M _T	-4.10	0.02		-0.35		0.00	-0.24		-0.00	LC 1-4			
	Min M _T	-6.40	0.01		-0.30	▷	-0.00	-0.23		-0.00	LC 1-5			
	Max M _y	-6.41	0.02		-0.32		-0.00	-0.23	▷	-0.00	LC 1-5			
	Min M _y	-4.08	0.01		-0.33		▷	-0.24		-0.00	LC 1-4			
	Max M _z	-4.67	-0.00		-0.25		▷	-0.24	▷	0.00	LC 1-4			
	Min M _z	-5.82	0.03		-0.40		▷	-0.23	▷	-0.00	LC 1-5			
	Max N	-4.04	0.01	▷	-0.33		0.00	-0.24		-0.00	LC 1-4			



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]						Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases			
136	RC6		Right	Min N	▷ -6.45	0.02	0.32	-0.00	-0.23	-0.00	LC 1-5		
				Max V _y	▷ -5.56	0.03	0.40	0.00	-0.23	-0.00	LC 1-4		
				Min V _y	▷ -4.93	-0.00	0.24	0.00	-0.24	0.00	LC 1-5		
				Max V _z	-5.38	0.03 ▷	0.41	0.00	-0.23	-0.00	LC 1-4		
				Min V _z	-5.11	-0.00 ▷	0.24	0.00	-0.24	0.00	LC 1-5		
				Max M _T	-4.10	0.02	0.35	0.00	-0.24	-0.00	LC 1-4		
				Min M _T	-6.40	0.01	0.30	▷ -0.00	-0.23	-0.00	LC 1-5		
				Max M _y	-6.41	0.02	0.32	▷ -0.00	-0.23	-0.00	LC 1-5		
				Min M _y	-4.08	0.01	0.33	0.00	▷ -0.24	-0.00	LC 1-4		
				Max M _z	-4.67	-0.00	0.25	▷ -0.24	▷ 0.00	LC 1-4			
				Min M _z	-5.82	0.03	0.40	0.00	▷ -0.23	▷ -0.00	LC 1-5		
				2.147 Left	Max N	▷ -4.05	0.01	1.65	0.00	0.65	-0.01	LC 1-4	
			Min N	▷ -6.47	0.02	1.63	-0.00	0.64	-0.02	LC 1-5			
			Max V _y	▷ -5.57	0.03	1.72	0.00	0.72	-0.03	LC 1-4			
			Min V _y	▷ -4.95	-0.00	1.56	0.00	0.57	0.00	LC 1-5			
			Max V _z	-5.40	0.03 ▷	1.72	0.00	0.72	-0.03	LC 1-4			
			Min V _z	-5.13	-0.00 ▷	1.56	0.00	0.57	0.00	LC 1-5			
			Max M _T	-4.11	0.02	1.66	▷ 0.00	0.66	-0.02	LC 1-4			
			Min M _T	-6.41	0.01	1.62	▷ -0.00	0.63	-0.02	LC 1-5			
			Max M _y	-5.44	0.03	1.72	▷ 0.00	0.72	-0.03	LC 1-4			
			Min M _y	-5.08	-0.00	1.56	▷ 0.00	0.57	0.00	LC 1-5			
			Max M _z	-4.91	-0.00	1.56	▷ 0.00	0.57	0.00	LC 1-5			
			Min M _z	-5.61	0.03	1.72	0.00	0.72	▷ -0.03	LC 1-4			
			95	2.147 Right	Max N	▷ -4.05	0.01	1.65	0.00	0.65	-0.01	LC 1-4	
					Min N	▷ -6.47	0.02	1.63	-0.00	0.64	-0.02	LC 1-5	
					Max V _y	▷ -5.57	0.03	1.72	0.00	0.72	-0.03	LC 1-4	
					Min V _y	▷ -4.95	-0.00	1.56	0.00	0.57	0.00	LC 1-5	
					Max V _z	-5.40	0.03 ▷	1.72	0.00	0.72	-0.03	LC 1-4	
					Min V _z	-5.13	-0.00 ▷	1.56	0.00	0.57	0.00	LC 1-5	
					Max M _T	-4.11	0.02	1.66	▷ 0.00	0.66	-0.02	LC 1-4	
					Min M _T	-6.41	0.01	1.62	▷ -0.00	0.63	-0.02	LC 1-5	
					Max M _y	-5.44	0.03	1.72	▷ 0.00	0.72	-0.03	LC 1-4	
					Min M _y	-5.08	-0.00	1.56	▷ 0.00	0.57	0.00	LC 1-5	
					Max M _z	-4.91	-0.00	1.56	▷ 0.00	0.57	0.00	LC 1-5	
					Min M _z	-5.61	0.03	1.72	0.00	0.72	▷ -0.03	LC 1-4	
					0.000 Left	Max N	▷ -1.99	-0.00	-0.32	-0.00	0.05	-0.00	CO 14
						Min N	▷ -6.56	0.03	-0.57	-0.00	0.06	0.01	CO 3
						Max V _y	▷ -6.55	0.03	-0.56	-0.00	0.06	0.01	CO 2
						Min V _y	▷ -2.00	-0.00	-0.32	-0.00	0.05	-0.00	CO 11
						Max V _z	-1.99	-0.00 ▷	-0.32	-0.00	0.05	-0.00	CO 14
						Min V _z	-6.55	0.03 ▷	-0.57	-0.00	0.06	0.01	CO 5
						Max M _T	-1.99	-0.00	-0.32	▷ -0.00	0.05	-0.00	CO 13
Min M _T	-6.55	0.03				-0.57	▷ -0.00	0.06	0.01	CO 6			
Max M _y	-6.55	0.03				-0.57	▷ -0.00	0.06	0.01	CO 5			
Min M _y	-1.99	-0.00				-0.32	▷ -0.00	0.05	-0.00	CO 14			
Max M _z	-6.55	0.03				-0.56	-0.00	0.06	▷ 0.01	CO 2			
Min M _z	-2.00	-0.00				-0.32	-0.00	0.05	▷ -0.00	CO 11			
0.000 Right	Max N	▷ -1.99	-0.00	-0.32	-0.00	0.05	-0.00	CO 14					
	Min N	▷ -6.56	0.03	-0.57	-0.00	0.06	0.01	CO 3					
	Max V _y	▷ -6.55	0.03	-0.56	-0.00	0.06	0.01	CO 2					
	Min V _y	▷ -2.00	-0.00	-0.32	-0.00	0.05	-0.00	CO 11					
	Max V _z	-1.99	-0.00 ▷	-0.32	-0.00	0.05	-0.00	CO 14					
	Min V _z	-6.55	0.03 ▷	-0.57	-0.00	0.06	0.01	CO 5					
	Max M _T	-1.99	-0.00	-0.32	▷ -0.00	0.05	-0.00	CO 13					
	Min M _T	-6.55	0.03	-0.57	▷ -0.00	0.06	0.01	CO 6					
	Max M _y	-6.55	0.03	-0.57	▷ -0.00	0.06	0.01	CO 5					
	Min M _y	-1.99	-0.00	-0.32	▷ -0.00	0.05	-0.00	CO 14					
	Max M _z	-6.55	0.03	-0.56	-0.00	0.06	▷ 0.01	CO 2					
	Min M _z	-2.00	-0.00	-0.32	-0.00	0.05	▷ -0.00	CO 11					
0.174 Left	Max N	▷ -2.06	-0.00	-0.19	-0.00	0.00	-0.00	CO 14					
	Min N	▷ -6.62	0.03	-0.36	-0.00	-0.03	0.00	CO 3					
	Max V _y	▷ -6.61	0.03	-0.36	-0.00	-0.03	0.00	CO 2					
	Min V _y	▷ -2.07	-0.00	-0.19	-0.00	0.00	-0.00	CO 11					
	Max V _z	-2.06	-0.00 ▷	-0.19	-0.00	0.00	-0.00	CO 14					
	Min V _z	-6.62	0.03 ▷	-0.36	-0.00	-0.03	0.00	CO 5					
	Max M _T	-2.06	-0.00	-0.19	▷ -0.00	0.00	-0.00	CO 13					
	Min M _T	-6.62	0.03	-0.36	▷ -0.00	-0.03	0.00	CO 6					
	Max M _y	-2.07	-0.00	-0.19	▷ -0.00	0.00	-0.00	CO 11					
	Min M _y	-6.61	0.03	-0.36	▷ -0.00	-0.03	0.00	CO 2					
	Max M _z	-6.61	0.03	-0.36	-0.00	▷ -0.03	0.00	CO 2					
	Min M _z	-2.07	-0.00	-0.19	-0.00	▷ 0.00	-0.00	CO 11					
0.174 Right	Max N	▷ -2.06	-0.00	-0.19	-0.00	0.00	-0.00	CO 14					
	Min N	▷ -6.62	0.03	-0.36	-0.00	-0.03	0.00	CO 3					
	Max V _y	▷ -6.61	0.03	-0.36	-0.00	-0.03	0.00	CO 2					
	Min V _y	▷ -2.07	-0.00	-0.19	-0.00	0.00	-0.00	CO 11					
	Max V _z	-2.06	-0.00 ▷	-0.19	-0.00	0.00	-0.00	CO 14					
	Min V _z	-6.62	0.03 ▷	-0.36	-0.00	-0.03	0.00	CO 5					
	Max M _T	-2.06	-0.00	-0.19	▷ -0.00	0.00	-0.00	CO 13					
	Min M _T	-6.62	0.03	-0.36	▷ -0.00	-0.03	0.00	CO 6					
	Max M _y	-2.07	-0.00	-0.19	▷ -0.00	0.00	-0.00	CO 11					
	Min M _y	-6.61	0.03	-0.36	▷ -0.00	-0.03	0.00	CO 2					
	Max M _z	-6.61	0.03	-0.36	-0.00	▷ -0.03	0.00	CO 2					
	Min M _z	-2.07	-0.00	-0.19	-0.00	▷ 0.00	-0.00	CO 11					
1.074 Left	Max N	▷ -2.40	-0.00	0.46	-0.00	0.12	-0.00	CO 14					
	Min N	▷ -6.96	0.02	1.62	-0.00	0.48	-0.02	CO 3					
	Max V _y	▷ -6.96	0.03	1.63	-0.00	0.48	-0.02	CO 2					
	Min V _y	▷ -2.41	-0.00	0.46	-0.00	0.12	-0.00	CO 11					
	Max V _z	-6.96	0.03 ▷	1.63	-0.00	0.48	-0.02	CO 2					
	Min V _z	-2.41	-0.00 ▷	0.46	-0.00	0.12	-0.00	CO 11					
	Max M _T	-2.40	-0.00	0.46	▷ -0.00	0.12	-0.00	CO 13					
	Min M _T	-6.96	0.02	1.63	▷ -0.00	0.48	-0.02	CO 6					
	Max M _y	-6.96	0.03	1.63	-0.00	▷ 0.48	-0.02	CO 2					
	Min M _y	-2.40	-0.00	0.46	-0.00	0.12	-0.00	CO 11					
	Max M _z	-2.40	-0.00	0.46	▷ -0.00	0.12	-0.00	CO 13					
	Min M _z	-6.96	0.02	1.63	▷ -0.00	0.48	-0.02	CO 6					
Max M _y	-6.96	0.03	1.63	-0.00	▷ 0.48	-0.02	CO 2						

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
138	RC1	96	1.074 Right	Min M _y	-2.41	-0.00	0.46	-0.00	0.12	-0.00	CO 11
				Max M _z	-2.41	-0.00	0.46	-0.00	0.12	-0.00	CO 11
				Min M _z	-6.96	0.03	1.63	-0.00	0.48	-0.02	CO 2
				Max N	-2.40	-0.00	0.46	-0.00	0.12	-0.00	CO 14
				Min N	-6.96	0.02	1.62	-0.00	0.48	-0.02	CO 3
				Max V _y	-6.96	0.03	1.63	-0.00	0.48	-0.02	CO 2
				Min V _y	-2.41	-0.00	0.46	-0.00	0.12	-0.00	CO 11
				Max V _z	-6.96	0.03	1.63	-0.00	0.48	-0.02	CO 2
				Min V _z	-2.41	-0.00	0.46	-0.00	0.12	-0.00	CO 11
				Max M _T	-2.40	-0.00	0.46	-0.00	0.12	-0.00	CO 13
				Min M _T	-6.96	0.02	1.63	-0.00	0.48	-0.02	CO 6
				Max M _y	-6.96	0.03	1.63	-0.00	0.48	-0.02	CO 2
				Min M _y	-2.41	-0.00	0.46	-0.00	0.12	-0.00	CO 11
				Max M _z	-2.41	-0.00	0.46	-0.00	0.12	-0.00	CO 11
				Min M _z	-6.96	0.03	1.63	-0.00	0.48	-0.02	CO 2
	RC2	66	0.000 Left	Max N	-1.36	-0.00	-0.21	-0.00	0.03	-0.00	CO 28
				Min N	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 17
				Max V _y	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 16
				Min V _y	-1.36	-0.00	-0.22	-0.00	0.03	-0.00	CO 25
				Max V _z	-1.36	-0.00	-0.21	-0.00	0.03	-0.00	CO 28
				Min V _z	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 19
				Max M _T	-1.36	-0.00	-0.22	-0.00	0.03	-0.00	CO 27
				Min M _T	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 20
				Max M _y	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 19
				Min M _y	-1.36	-0.00	-0.21	-0.00	0.03	-0.00	CO 28
				Max M _z	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 16
				Min M _z	-1.36	-0.00	-0.22	-0.00	0.03	-0.00	CO 25
			0.000 Right	Max N	-1.36	-0.00	-0.21	-0.00	0.03	-0.00	CO 28
				Min N	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 17
				Max V _y	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 16
				Min V _y	-1.36	-0.00	-0.22	-0.00	0.03	-0.00	CO 25
				Max V _z	-1.36	-0.00	-0.21	-0.00	0.03	-0.00	CO 28
				Min V _z	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 19
				Max M _T	-1.36	-0.00	-0.22	-0.00	0.03	-0.00	CO 27
				Min M _T	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 20
				Max M _y	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 19
				Min M _y	-1.36	-0.00	-0.21	-0.00	0.03	-0.00	CO 28
				Max M _z	-4.73	0.02	-0.40	-0.00	0.04	0.00	CO 16
				Min M _z	-1.36	-0.00	-0.22	-0.00	0.03	-0.00	CO 25
			0.174 Left	Max N	-1.40	-0.00	-0.13	-0.00	0.00	-0.00	CO 28
				Min N	-4.78	0.02	-0.26	-0.00	-0.02	0.00	CO 17
				Max V _y	-4.77	0.02	-0.26	-0.00	-0.02	0.00	CO 16
				Min V _y	-1.41	-0.00	-0.13	-0.00	0.00	-0.00	CO 25
				Max V _z	-1.40	-0.00	-0.13	-0.00	0.00	-0.00	CO 28
				Min V _z	-4.78	0.02	-0.26	-0.00	-0.02	0.00	CO 19
				Max M _T	-1.40	-0.00	-0.13	-0.00	0.00	-0.00	CO 27
				Min M _T	-4.78	0.02	-0.26	-0.00	-0.02	0.00	CO 20
				Max M _y	-1.41	-0.00	-0.13	-0.00	0.00	-0.00	CO 25
				Min M _y	-4.77	0.02	-0.26	-0.00	-0.02	0.00	CO 16
				Max M _z	-4.77	0.02	-0.26	-0.00	-0.02	0.00	CO 16
				Min M _z	-1.41	-0.00	-0.13	-0.00	0.00	-0.00	CO 25
			0.174 Right	Max N	-1.40	-0.00	-0.13	-0.00	0.00	-0.00	CO 28
				Min N	-4.78	0.02	-0.26	-0.00	-0.02	0.00	CO 17
				Max V _y	-4.77	0.02	-0.26	-0.00	-0.02	0.00	CO 16
				Min V _y	-1.41	-0.00	-0.13	-0.00	0.00	-0.00	CO 25
				Max V _z	-1.40	-0.00	-0.13	-0.00	0.00	-0.00	CO 28
				Min V _z	-4.78	0.02	-0.26	-0.00	-0.02	0.00	CO 19
				Max M _T	-1.40	-0.00	-0.13	-0.00	0.00	-0.00	CO 27
				Min M _T	-4.78	0.02	-0.26	-0.00	-0.02	0.00	CO 20
				Max M _y	-1.41	-0.00	-0.13	-0.00	0.00	-0.00	CO 25
				Min M _y	-4.77	0.02	-0.26	-0.00	-0.02	0.00	CO 16
				Max M _z	-4.77	0.02	-0.26	-0.00	-0.02	0.00	CO 16
				Min M _z	-1.41	-0.00	-0.13	-0.00	0.00	-0.00	CO 25
			1.074 Left	Max N	-1.63	-0.00	0.30	-0.00	0.08	-0.00	CO 28
				Min N	-5.01	0.02	1.17	-0.00	0.34	-0.02	CO 17
				Max V _y	-5.00	0.02	1.17	-0.00	0.35	-0.02	CO 16
				Min V _y	-1.64	-0.00	0.30	-0.00	0.08	-0.00	CO 25
				Max V _z	-5.00	0.02	1.17	-0.00	0.35	-0.02	CO 16
				Min V _z	-1.64	-0.00	0.30	-0.00	0.08	-0.00	CO 25
				Max M _T	-1.63	-0.00	0.30	-0.00	0.08	-0.00	CO 27
				Min M _T	-5.01	0.02	1.17	-0.00	0.35	-0.02	CO 20
				Max M _y	-5.00	0.02	1.17	-0.00	0.35	-0.02	CO 16
				Min M _y	-1.64	-0.00	0.30	-0.00	0.08	-0.00	CO 25
				Max M _z	-1.64	-0.00	0.30	-0.00	0.08	-0.00	CO 25
				Min M _z	-5.00	0.02	1.17	-0.00	0.35	-0.02	CO 16
	RC6	66	0.000 Left	Max N	-3.16	0.02	-0.18	-0.00	-0.01	0.00	LC 1-5
				Min N	-4.24	0.01	-0.29	-0.00	0.06	0.00	LC 1-4
				Max V _y	-3.66	0.07	-0.01	-0.00	-0.08	0.03	LC 1-4
				Min V _y	-3.74	-0.05	-0.46	-0.00	0.14	-0.03	LC 1-5
				Max V _z	-3.57	0.07	-0.01	-0.00	-0.09	0.03	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding	
				N	V _y	V _z	M _T	M _y	M _z	Load Cases			
138	RC6			Min V _z	-3.84	-0.04	▷	-0.46	-0.00	0.14	-0.03	LC 1-5	
				Max M _T	-3.65	-0.04	▷	-0.45	-0.00	0.13	-0.03	LC 1-4	
				Min M _T	-3.76	0.07	▷	-0.02	-0.00	-0.08	0.03	LC 1-5	
				Max M _y	-3.85	-0.04	▷	-0.46	-0.00	0.14	-0.03	LC 1-5	
				Min M _y	-3.56	0.07	▷	-0.01	-0.00	-0.09	0.03	LC 1-4	
				Max M _z	-3.69	0.07	▷	-0.01	-0.00	-0.08	0.03	LC 1-4	
				Min M _z	-3.72	-0.05	▷	-0.46	-0.00	0.14	-0.03	LC 1-5	
				Max N	-3.16	0.02	▷	-0.18	-0.00	-0.01	0.00	LC 1-5	
				Min N	-4.24	0.01	▷	-0.29	-0.00	0.06	0.00	LC 1-4	
				Max V _y	-3.66	▷	0.07	-0.01	-0.00	-0.08	0.03	LC 1-4	
				Min V _y	-3.74	▷	-0.05	-0.46	-0.00	0.14	-0.03	LC 1-5	
				Max V _z	-3.57	▷	0.07	-0.01	-0.00	-0.09	0.03	LC 1-4	
				Min V _z	-3.84	▷	-0.04	-0.46	-0.00	0.14	-0.03	LC 1-5	
				Max M _T	-3.65	-0.04	▷	-0.45	-0.00	0.13	-0.03	LC 1-4	
				Min M _T	-3.76	0.07	▷	-0.02	-0.00	-0.08	0.03	LC 1-5	
				Max M _y	-3.85	-0.04	▷	-0.46	-0.00	0.14	-0.03	LC 1-5	
				Min M _y	-3.56	0.07	▷	-0.01	-0.00	-0.09	0.03	LC 1-4	
				Max M _z	-3.69	0.07	▷	-0.01	-0.00	-0.08	▷	0.03	LC 1-4
				Min M _z	-3.72	-0.05	▷	-0.46	-0.00	0.14	▷	-0.03	LC 1-5
				Max N	-3.17	0.02	▷	-0.11	-0.00	-0.03	-0.00	LC 1-5	
				Min N	-4.25	0.01	▷	-0.23	-0.00	0.01	-0.00	LC 1-4	
				Max V _y	-3.67	▷	0.07	0.05	-0.00	-0.08	0.02	LC 1-4	
				Min V _y	-3.74	▷	-0.05	-0.40	-0.00	0.06	-0.02	LC 1-5	
				Max V _z	-3.57	▷	0.07	0.06	-0.00	-0.09	0.02	LC 1-4	
				Min V _z	-3.84	-0.04	▷	-0.40	-0.00	0.06	-0.02	LC 1-5	
				Max M _T	-3.65	-0.04	▷	-0.38	-0.00	0.06	-0.02	LC 1-4	
				Min M _T	-3.76	0.07	▷	0.04	-0.00	-0.08	0.02	LC 1-5	
				Max M _y	-3.86	-0.04	▷	-0.40	-0.00	0.06	-0.02	LC 1-5	
				Min M _y	-3.55	0.07	▷	0.06	-0.00	-0.09	0.02	LC 1-4	
				Max M _z	-3.70	0.07	▷	0.05	-0.00	-0.08	▷	0.02	LC 1-4
				Min M _z	-3.71	-0.05	▷	-0.39	-0.00	0.06	▷	-0.02	LC 1-5
				Max N	-3.17	0.02	▷	-0.11	-0.00	-0.03	-0.00	LC 1-5	
				Min N	-4.25	0.01	▷	-0.23	-0.00	0.01	-0.00	LC 1-4	
				Max V _y	-3.67	▷	0.07	0.05	-0.00	-0.08	0.02	LC 1-4	
				Min V _y	-3.74	▷	-0.05	-0.40	-0.00	0.06	-0.02	LC 1-5	
				Max V _z	-3.57	▷	0.07	0.06	-0.00	-0.09	0.02	LC 1-4	
				Min V _z	-3.84	-0.04	▷	-0.40	-0.00	0.06	-0.02	LC 1-5	
				Max M _T	-3.65	-0.04	▷	-0.38	-0.00	0.06	-0.02	LC 1-4	
				Min M _T	-3.76	0.07	▷	0.04	-0.00	-0.08	0.02	LC 1-5	
				Max M _y	-3.86	-0.04	▷	-0.40	-0.00	0.06	-0.02	LC 1-5	
				Min M _y	-3.55	0.07	▷	0.06	-0.00	-0.09	0.02	LC 1-4	
				Max M _z	-3.70	0.07	▷	0.05	-0.00	-0.08	▷	0.02	LC 1-4
				Min M _z	-3.71	-0.05	▷	-0.39	-0.00	0.06	▷	-0.02	LC 1-5
				Max N	-3.17	0.02	▷	-0.11	-0.00	-0.03	-0.00	LC 1-5	
				Min N	-4.25	0.01	▷	-0.23	-0.00	0.01	-0.00	LC 1-4	
				Max V _y	-3.67	▷	0.07	0.05	-0.00	-0.08	0.02	LC 1-4	
				Min V _y	-3.74	▷	-0.05	-0.40	-0.00	0.06	-0.02	LC 1-5	
				Max V _z	-3.57	▷	0.07	0.06	-0.00	-0.09	0.02	LC 1-4	
				Min V _z	-3.84	-0.04	▷	-0.40	-0.00	0.06	-0.02	LC 1-5	
				Max M _T	-3.65	-0.04	▷	-0.38	-0.00	0.06	-0.02	LC 1-4	
				Min M _T	-3.76	0.07	▷	0.04	-0.00	-0.08	0.02	LC 1-5	
				Max M _y	-3.86	-0.04	▷	-0.40	-0.00	0.06	-0.02	LC 1-5	
				Min M _y	-3.55	0.07	▷	0.06	-0.00	-0.09	0.02	LC 1-4	
				Max M _z	-3.70	0.07	▷	0.05	-0.00	-0.08	▷	0.02	LC 1-4
				Min M _z	-3.71	-0.05	▷	-0.39	-0.00	0.06	▷	-0.02	LC 1-5
Max N	-3.18	0.02	▷	0.91	-0.00	0.27	-0.01	LC 1-5					
Min N	-4.26	0.01	▷	0.79	-0.00	0.22	-0.01	LC 1-4					
Max V _y	-3.68	▷	0.07	1.07	-0.00	0.37	-0.04	LC 1-4					
Min V _y	-3.76	▷	-0.05	0.63	-0.00	0.12	0.02	LC 1-5					
Max V _z	-3.59	▷	0.07	1.08	-0.00	0.38	-0.04	LC 1-4					
Min V _z	-3.86	-0.04	▷	0.62	-0.00	0.11	0.02	LC 1-5					
Max M _T	-3.67	-0.04	▷	0.64	-0.00	0.12	0.02	LC 1-4					
Min M _T	-3.77	0.07	▷	1.06	-0.00	0.37	-0.04	LC 1-5					
Max M _y	-3.60	0.07	▷	1.08	-0.00	0.38	-0.04	LC 1-4					
Min M _y	-3.85	-0.05	▷	0.62	-0.00	0.11	0.02	LC 1-5					
Max M _z	-3.78	-0.05	▷	0.63	-0.00	0.12	▷	0.02	LC 1-5				
Min M _z	-3.66	0.07	▷	1.08	-0.00	0.37	▷	-0.04	LC 1-4				
Max N	-3.18	0.02	▷	0.91	-0.00	0.27	-0.01	LC 1-5					
Min N	-4.26	0.01	▷	0.79	-0.00	0.22	-0.01	LC 1-4					
Max V _y	-3.68	▷	0.07	1.07	-0.00	0.37	-0.04	LC 1-4					
Min V _y	-3.76	▷	-0.05	0.63	-0.00	0.12	0.02	LC 1-5					
Max V _z	-3.59	▷	0.07	1.08	-0.00	0.38	-0.04	LC 1-4					
Min V _z	-3.86	-0.04	▷	0.62	-0.00	0.11	0.02	LC 1-5					
Max M _T	-3.67	-0.04	▷	0.64	-0.00	0.12	0.02	LC 1-4					
Min M _T	-3.77	0.07	▷	1.06	-0.00	0.37	-0.04	LC 1-5					
Max M _y	-3.60	0.07	▷	1.08	-0.00	0.38	-0.04	LC 1-4					
Min M _y	-3.85	-0.05	▷	0.62	-0.00	0.11	0.02	LC 1-5					
Max M _z	-3.78	-0.05	▷	0.63	-0.00	0.12	▷	0.02	LC 1-5				
Min M _z	-3.66	0.07	▷	1.08	-0.00	0.37	▷	-0.04	LC 1-4				
Max N	-3.18	0.02	▷	0.91	-0.00	0.27	-0.01	LC 1-5					
Min N	-4.26	0.01	▷	0.79	-0.00	0.22	-0.01	LC 1-4					
Max V _y	-3.68	▷	0.07	1.07	-0.00	0.37	-0.04	LC 1-4					
Min V _y	-3.76	▷	-0.05	0.63	-0.00	0.12	0.02	LC 1-5					
Max V _z	-3.59	▷	0.07	1.08	-0.00	0.38	-0.04	LC 1-4					
Min V _z	-3.86	-0.04	▷	0.62	-0.00	0.11	0.02	LC 1-5					
Max M _T	-3.67	-0.04	▷	0.64	-0.00	0.12	0.02	LC 1-4					
Min M _T	-3.77	0.07	▷	1.06	-0.00	0.37	-0.04	LC 1-5					
Max M _y	-3.60	0.07	▷	1.08	-0.00	0.38	-0.04	LC 1-4					
Min M _y	-3.85	-0.05	▷	0.62	-0.00	0.11	0.02	LC 1-5					
Max M _z	-3.78	-0.05	▷	0.63	-0.00	0.12	▷	0.02	LC 1-5				
Min M _z	-3.66	0.07	▷	1.08	-0.00	0.37	▷	-0.04	LC 1-4				
Max N	0.05	-0.01	▷	-3.37	0.00	1.78	-0.02	CO 4					
Min N	-0.71	-0.00	▷	-1.09	0.00	0.50	-0.01	CO 13					
Max V _y	-0.55	▷	-0.00	-1.09	0.00	0.51	-0.01	CO 9					
Min V _y	-0.11	▷	-0.01	-3.37	0.00	1.78	-0.02	CO 8					
Max V _z	-0.65	-0.00	▷	-1.09	0.00	0.50	-0.01	CO 14					
Min V _z	-0.01	-0.01	▷	-3.37	0.00	1.78	-0.02	CO 3					
Max M _T	-0.06	-0.01	▷	-3.37	0.00	1.78	-0.02	CO 2					
Min M _T	-0.55	-0.00	▷	-1.09	0.00	0.51	-0.01	CO 9					
Max M _y	-0.01	-0.01	▷	-3.37	0.00	1.78	-0.02	CO 3					
Min M _y	-0.65	-0.00	▷	-1.09	0.00	0.50	-0.01	CO 14					
Max M _z	-0.55	-0.00	▷	-1.09	0.00	0.51	-0.01	CO 9					
Min M _z	-0.11	-0.01	▷	-3.37	0.00	1.78	-0.02	CO 8					
Max N	-0.01	-0.01	▷	-3.15	0.00	1.20	-0.01	CO 4					



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
140	RC1		Left	Min N	▷ -0.78	-0.00	-0.97	0.00	0.32	-0.01	CO 13	
				Max V _y	▷ -0.62	-0.00	-0.97	0.00	0.32	-0.01	CO 9	
			Min V _y	▷ -0.17	-0.01	-3.15	0.00	1.20	-0.01	CO 8		
			Max V _z	-0.72	-0.00	▷ -0.96	0.00	0.32	-0.01	CO 14		
			Min V _z	-0.18	-0.01	▷ -3.16	0.00	1.20	-0.01	CO 1		
			Max M _T	-0.12	-0.01	-3.15	0.00	1.20	-0.01	CO 2		
			Min M _T	-0.62	-0.00	-0.97	▷ 0.00	0.32	-0.01	CO 9		
			Max M _y	-0.07	-0.01	-3.16	0.00	▷ 1.20	-0.01	CO 3		
			Min M _y	-0.72	-0.00	-0.96	0.00	0.32	-0.01	CO 14		
			Max M _z	-0.62	-0.00	-0.97	0.00	▷ 0.32	-0.01	CO 9		
			Min M _z	-0.17	-0.01	-3.15	0.00	1.20	▷ -0.01	CO 8		
			0.177 Right	Max N	▷ -0.01	-0.01	-3.15	0.00	1.20	-0.01	CO 4	
				Min N	▷ -0.78	-0.00	-0.97	0.00	0.32	-0.01	CO 13	
				Max V _y	▷ -0.62	-0.00	-0.97	0.00	0.32	-0.01	CO 9	
				Min V _y	▷ -0.17	-0.01	-3.15	0.00	1.20	-0.01	CO 8	
				Max V _z	-0.72	-0.00	▷ -0.96	0.00	0.32	-0.01	CO 14	
				Min V _z	-0.18	-0.01	▷ -3.16	0.00	1.20	-0.01	CO 1	
				Max M _T	-0.12	-0.01	-3.15	▷ 0.00	1.20	-0.01	CO 2	
				Min M _T	-0.62	-0.00	-0.97	▷ 0.00	0.32	-0.01	CO 9	
				Max M _y	-0.07	-0.01	-3.16	0.00	▷ 1.20	-0.01	CO 3	
				Min M _y	-0.72	-0.00	-0.96	0.00	▷ 0.32	-0.01	CO 14	
			1.230 Left	Max M _z	-0.62	-0.00	-0.97	0.00	0.32	-0.01	CO 9	
				Min M _z	-0.17	-0.01	-3.15	0.00	1.20	▷ -0.01	CO 8	
				Max N	▷ -0.43	-0.01	-0.85	-0.00	-0.99	-0.01	CO 4	
				Min N	▷ -1.19	-0.00	-0.21	-0.00	-0.30	-0.00	CO 13	
				Max V _y	▷ -1.03	-0.00	-0.21	-0.00	-0.30	-0.00	CO 9	
				Min V _y	-0.58	-0.01	-0.85	-0.00	-0.99	-0.01	CO 8	
				Max V _z	-1.13	-0.00	▷ -0.21	0.00	-0.30	-0.00	CO 14	
				Min V _z	-0.59	-0.01	▷ -0.85	-0.00	-0.99	-0.01	CO 1	
				Max M _T	-1.13	-0.00	-0.21	0.00	-0.30	-0.00	CO 14	
				Min M _T	-0.53	-0.01	-0.85	-0.00	-0.99	-0.01	CO 5	
			1.230 Right	Max M _y	-1.03	-0.00	-0.21	-0.00	-0.30	-0.00	CO 9	
				Min M _y	-0.58	-0.01	-0.85	-0.00	-0.99	-0.01	CO 8	
				Max M _z	-1.03	-0.00	-0.21	-0.00	-0.30	-0.00	CO 9	
				Min M _z	-0.58	-0.01	-0.85	-0.00	-0.99	-0.01	CO 8	
				Max N	▷ -0.43	-0.01	-0.85	-0.00	-0.99	-0.01	CO 4	
				Min N	▷ -1.19	-0.00	-0.21	-0.00	-0.30	-0.00	CO 13	
				Max V _y	▷ -1.03	-0.00	-0.21	-0.00	-0.30	-0.00	CO 9	
				Min V _y	-0.58	-0.01	-0.85	-0.00	-0.99	-0.01	CO 8	
				Max V _z	-1.13	-0.00	▷ -0.21	0.00	-0.30	-0.00	CO 14	
				Min V _z	-0.59	-0.01	▷ -0.85	-0.00	-0.99	-0.01	CO 1	
			3.161 Left	Max M _T	-1.13	-0.00	-0.21	▷ 0.00	-0.30	-0.00	CO 14	
				Min M _T	-0.53	-0.01	-0.85	▷ -0.00	-0.99	-0.01	CO 5	
				Max M _y	-1.03	-0.00	-0.21	-0.00	-0.30	-0.00	CO 9	
				Min M _y	-0.58	-0.01	-0.85	-0.00	-0.99	-0.01	CO 8	
				Max M _z	-1.03	-0.00	-0.21	-0.00	-0.30	-0.00	CO 9	
				Min M _z	-0.58	-0.01	-0.85	-0.00	-0.99	-0.01	CO 8	
				Max N	▷ -1.18	-0.01	4.22	-0.00	2.26	0.01	CO 4	
				Min N	▷ -1.93	-0.00	1.18	-0.00	0.64	0.01	CO 13	
				Max V _y	▷ -1.78	-0.00	1.18	-0.00	0.64	0.01	CO 9	
				Min V _y	-1.33	-0.01	4.22	-0.00	2.26	0.01	CO 8	
			3.161 Right	Max V _z	-1.33	-0.01	▷ 4.22	-0.00	2.26	0.01	CO 8	
				Min V _z	-1.78	-0.00	▷ 1.18	-0.00	0.64	0.01	CO 9	
				Max M _T	-1.88	-0.00	1.18	▷ -0.00	0.64	0.01	CO 14	
				Min M _T	-1.28	-0.01	4.22	▷ -0.00	2.26	0.01	CO 5	
				Max M _y	-1.33	-0.01	4.22	-0.00	2.26	0.01	CO 8	
				Min M _y	-1.78	-0.00	1.18	-0.00	▷ 0.64	0.01	CO 9	
				Max M _z	-1.33	-0.01	4.22	-0.00	2.26	▷ 0.01	CO 8	
				Min M _z	-1.78	-0.00	1.18	-0.00	0.64	▷ 0.01	CO 9	
				Max N	▷ -1.18	-0.01	4.22	-0.00	2.26	0.01	CO 4	
Min N	▷ -1.93	-0.00		1.18	-0.00	0.64	0.01	CO 13				
RC2	85	0.000 Left	Max V _y	▷ -1.78	-0.00	1.18	-0.00	0.64	0.01	CO 9		
			Min V _y	-1.33	-0.01	4.22	-0.00	2.26	0.01	CO 8		
			Max V _z	-1.33	-0.01	▷ 4.22	-0.00	2.26	0.01	CO 8		
			Min V _z	-1.78	-0.00	▷ 1.18	-0.00	0.64	0.01	CO 9		
			Max M _T	-1.88	-0.00	1.18	▷ -0.00	0.64	0.01	CO 14		
			Min M _T	-1.28	-0.01	4.22	▷ -0.00	2.26	0.01	CO 5		
			Max M _y	-1.33	-0.01	4.22	-0.00	2.26	0.01	CO 8		
			Min M _y	-1.78	-0.00	1.18	-0.00	▷ 0.64	0.01	CO 9		
			Max M _z	-1.33	-0.01	4.22	-0.00	2.26	▷ 0.01	CO 8		
			Min M _z	-1.78	-0.00	1.18	-0.00	0.64	▷ 0.01	CO 9		
		0.000 Right	Max N	▷ -0.01	-0.01	-2.42	-0.00	1.28	-0.01	CO 18		
			Min N	▷ -0.56	-0.00	-0.73	0.00	0.34	-0.01	CO 27		
			Max V _y	▷ -0.45	-0.00	-0.73	0.00	0.34	-0.01	CO 23		
			Min V _y	-0.12	-0.01	-2.42	-0.00	1.28	-0.01	CO 22		
			Max V _z	-0.52	-0.00	-0.73	0.00	0.34	-0.01	CO 28		
			Min V _z	-0.05	-0.01	-2.42	-0.00	1.28	-0.01	CO 17		
			Max M _T	-0.52	-0.00	-0.73	▷ 0.00	0.34	-0.01	CO 28		
			Min M _T	-0.08	-0.01	-2.42	▷ -0.00	1.28	-0.01	CO 19		
			Max M _y	-0.05	-0.01	-2.42	-0.00	▷ 1.28	-0.01	CO 17		
			Min M _y	-0.52	-0.00	-0.73	0.00	▷ 0.34	-0.01	CO 28		
Max M _z	-0.45	-0.00	-0.73	0.00	0.34	▷ -0.01	CO 23					
Min M _z	-0.12	-0.01	-2.42	-0.00	1.28	▷ -0.01	CO 22					
	Max N	▷ -0.01	-0.01	-2.42	-0.00	1.28	-0.01	CO 18				
	Min N	▷ -0.56	-0.00	-0.73	0.00	0.34	-0.01	CO 27				
	Max V _y	▷ -0.45	-0.00	-0.73	0.00	0.34	-0.01	CO 23				
	Min V _y	-0.12	-0.01	-2.42	-0.00	1.28	-0.01	CO 22				
	Max V _z	-0.52	-0.00	▷ -0.73	0.00	0.34	-0.01	CO 28				
	Min V _z	-0.05	-0.01	▷ -2.42	-0.00	1.28	-0.01	CO 17				
	Max M _T	-0.52	-0.00	-0.73	▷ 0.00	0.34	-0.01	CO 28				
	Min M _T	-0.08	-0.01	-2.42	▷ -0.00	1.28	-0.01	CO 19				
	Max M _y	-0.05	-0.01	-2.42	-0.00	▷ 1.28	-0.01	CO 17				
	Min M _y	-0.52	-0.00	-0.73	0.00	▷ 0.34	-0.01	CO 28				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
140	RC2		0.177 Left	Min M _y	-0.52	-0.00	-0.73	0.00	▷	0.34	-0.01	CO 28
				Max M _z	-0.45	-0.00	-0.73	0.00	▷	0.34	-0.01	CO 23
				Min M _z	-0.12	-0.01	-2.42	-0.00	▷	1.28	-0.01	CO 22
				Max N	-0.05	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 18
				Min N	-0.61	-0.00	-0.65	0.00	▷	0.21	-0.01	CO 27
				Max V _y	-0.49	-0.00	-0.65	0.00	▷	0.22	-0.01	CO 23
				Min V _y	-0.16	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 22
				Max V _z	-0.57	-0.00	-0.65	0.00	▷	0.21	-0.01	CO 28
				Min V _z	-0.17	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 15
				Max M _T	-0.57	-0.00	-0.65	▷	0.00	0.21	-0.01	CO 28
				Min M _T	-0.12	-0.01	-2.27	▷	-0.00	0.86	-0.01	CO 19
				Max M _y	-0.09	-0.01	-2.27	▷	-0.00	0.86	-0.01	CO 17
				Min M _y	-0.57	-0.00	-0.65	▷	0.00	0.21	-0.01	CO 28
				Max M _z	-0.49	-0.00	-0.65	▷	0.00	0.22	-0.01	CO 23
				Min M _z	-0.16	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 22
				Max N	-0.05	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 18
				Min N	-0.61	-0.00	-0.65	0.00	▷	0.21	-0.01	CO 27
				Max V _y	-0.49	-0.00	-0.65	0.00	▷	0.22	-0.01	CO 23
				Min V _y	-0.16	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 22
				Max V _z	-0.57	-0.00	-0.65	0.00	▷	0.21	-0.01	CO 28
				Min V _z	-0.17	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 15
				Max M _T	-0.57	-0.00	-0.65	▷	0.00	0.21	-0.01	CO 28
				Min M _T	-0.12	-0.01	-2.27	▷	-0.00	0.86	-0.01	CO 19
				Max M _y	-0.09	-0.01	-2.27	▷	-0.00	0.86	-0.01	CO 17
				Min M _y	-0.57	-0.00	-0.65	▷	0.00	0.21	-0.01	CO 28
				Max M _z	-0.49	-0.00	-0.65	0.00	▷	0.22	-0.01	CO 23
				Min M _z	-0.16	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 22
				Max N	-0.05	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 18
				Min N	-0.61	-0.00	-0.65	0.00	▷	0.21	-0.01	CO 27
				Max V _y	-0.49	-0.00	-0.65	0.00	▷	0.22	-0.01	CO 23
				Min V _y	-0.16	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 22
				Max V _z	-0.57	-0.00	-0.65	0.00	▷	0.21	-0.01	CO 28
				Min V _z	-0.17	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 15
				Max M _T	-0.57	-0.00	-0.65	▷	0.00	0.21	-0.01	CO 28
				Min M _T	-0.12	-0.01	-2.27	▷	-0.00	0.86	-0.01	CO 19
				Max M _y	-0.09	-0.01	-2.27	▷	-0.00	0.86	-0.01	CO 17
				Min M _y	-0.57	-0.00	-0.65	▷	0.00	0.21	-0.01	CO 28
				Max M _z	-0.49	-0.00	-0.65	0.00	▷	0.22	-0.01	CO 23
				Min M _z	-0.16	-0.01	-2.27	-0.00	▷	0.86	-0.01	CO 22
				Max N	-0.33	-0.01	-0.61	-0.00	▷	-0.71	-0.00	CO 18
				Min N	-0.88	-0.00	-0.14	-0.00	▷	-0.20	-0.00	CO 27
				Max V _y	-0.77	-0.00	-0.14	-0.00	▷	-0.20	-0.00	CO 23
				Min V _y	-0.44	-0.01	-0.61	-0.00	▷	-0.71	-0.00	CO 22
				Max V _z	-0.84	-0.00	-0.14	0.00	▷	-0.20	-0.00	CO 28
				Min V _z	-0.37	-0.01	-0.61	-0.00	▷	-0.71	-0.00	CO 17
				Max M _T	-0.84	-0.00	-0.14	▷	0.00	-0.20	-0.00	CO 28
				Min M _T	-0.40	-0.01	-0.61	▷	-0.00	-0.71	-0.00	CO 19
				Max M _y	-0.77	-0.00	-0.14	-0.00	▷	-0.20	-0.00	CO 23
				Min M _y	-0.44	-0.01	-0.61	-0.00	▷	-0.71	-0.00	CO 22
				Max M _z	-0.77	-0.00	-0.14	-0.00	▷	-0.20	-0.00	CO 23
				Min M _z	-0.44	-0.01	-0.61	-0.00	▷	-0.71	-0.00	CO 22
				Max N	-0.33	-0.01	-0.61	-0.00	▷	-0.71	-0.00	CO 18
				Min N	-0.88	-0.00	-0.14	-0.00	▷	-0.20	-0.00	CO 27
				Max V _y	-0.77	-0.00	-0.14	-0.00	▷	-0.20	-0.00	CO 23
				Min V _y	-0.44	-0.01	-0.61	-0.00	▷	-0.71	-0.00	CO 22
				Max V _z	-0.84	-0.00	-0.14	0.00	▷	-0.20	-0.00	CO 28
				Min V _z	-0.37	-0.01	-0.61	-0.00	▷	-0.71	-0.00	CO 17
				Max M _T	-0.84	-0.00	-0.14	▷	0.00	-0.20	-0.00	CO 28
				Min M _T	-0.40	-0.01	-0.61	▷	-0.00	-0.71	-0.00	CO 19
				Max M _y	-0.77	-0.00	-0.14	-0.00	▷	-0.20	-0.00	CO 23
Min M _y	-0.44	-0.01	-0.61	-0.00	▷	-0.71	-0.00	CO 22				
Max M _z	-0.77	-0.00	-0.14	-0.00	▷	-0.20	-0.00	CO 23				
Min M _z	-0.44	-0.01	-0.61	-0.00	▷	-0.71	-0.00	CO 22				
Max N	-0.83	-0.01	3.04	-0.00	▷	1.63	0.01	CO 18				
Min N	-1.38	-0.00	0.79	-0.00	▷	0.43	0.00	CO 27				
Max V _y	-1.27	-0.00	0.79	-0.00	▷	0.43	0.00	CO 23				
Min V _y	-0.95	-0.01	3.04	-0.00	▷	1.63	0.01	CO 22				
Max V _z	-0.95	-0.01	3.04	-0.00	▷	1.63	0.01	CO 22				
Min V _z	-1.27	-0.00	0.79	-0.00	▷	0.43	0.00	CO 23				
Max M _T	-1.35	-0.00	0.79	-0.00	▷	0.43	0.00	CO 28				
Min M _T	-0.90	-0.01	3.04	-0.00	▷	1.63	0.01	CO 19				
Max M _y	-0.95	-0.01	3.04	-0.00	▷	1.63	0.01	CO 22				
Min M _y	-1.27	-0.00	0.79	-0.00	▷	0.43	0.00	CO 23				
Max M _z	-0.95	-0.01	3.04	-0.00	▷	1.63	0.01	CO 22				
Min M _z	-1.27	-0.00	0.79	-0.00	▷	0.43	0.00	CO 23				
Max N	-0.83	-0.01	3.04	-0.00	▷	1.63	0.01	CO 18				
Min N	-1.38	-0.00	0.79	-0.00	▷	0.43	0.00	CO 27				
Max V _y	-1.27	-0.00	0.79	-0.00	▷	0.43	0.00	CO 23				
Min V _y	-0.95	-0.01	3.04	-0.00	▷	1.63	0.01	CO 22				
Max V _z	-0.95	-0.01	3.04	-0.00	▷	1.63	0.01	CO 22				
Min V _z	-1.27	-0.00	0.79	-0.00	▷	0.43	0.00	CO 23				
Max M _T	-1.35	-0.00	0.79	▷	-0.00	0.43	0.00	CO 28				
Min M _T	-0.90	-0.01	3.04	▷	-0.00	1.63	0.01	CO 19				
Max M _y	-0.95	-0.01	3.04	-0.00	▷	1.63	0.01	CO 22				
Min M _y	-1.27	-0.00	0.79	-0.00	▷	0.43	0.00	CO 23				
Max M _z	-0.95	-0.01	3.04	-0.00	▷	1.63	0.01	CO 22				
Min M _z	-1.27	-0.00	0.79	-0.00	▷	0.43	0.00	CO 23				
Max N	1.48	-0.00	-1.72	-0.00	▷	0.93	-0.01	LC 1-4				
Min N	-3.01	-0.00	-1.73	-0.00	▷	0.95	-0.01	LC 1-5				
Max V _y	-1.05	0.00	-1.73	-0.00	▷	0.95	0.00	LC 1-4				
Min V _y	-0.48	-0.01	-1.72	0.00	▷	0.93	-0.02	LC 1-5				
Max V _z	-0.98	-0.01	-1.72	0.00	▷	0.92	-0.01	LC 1-5				
Min V _z	-0.55	-0.00	-1.74	-0.00	▷	0.96	-0.00	LC 1-4				
Max M _T	-1.43	-0.01	-1.72	▷	0.00	0.93	-0.01	LC 1-4				
Min M _T	-0.10	-0.00	-1.73	▷	-0.00	0.95	-0.00	LC 1-5				
Max M _y	-0.74	-0.00	-1.74	-0.00	▷	0.96	-0.00	LC 1-4				
Min M _y	-0.79	-0.01	-1.72	0.00	▷	0.92	-0.01	LC 1-5				
Max M _z	-1.17	0.00	-1.73	-0.00	▷	0.95	0.00	LC 1-4				
Min M _z	-0.36	-0.01	-1.72	0.00	▷	0.93	-0.02	LC 1-5				
Max N	1.48	-0.00	-1.72	-0.00	▷	0.93	-0.01	LC 1-4				
Min N	-3.01	-0.00	-1.73	-0.00	▷	0.95	-0.01	LC 1-5				
Max V _y	-1.05	0.00	-1.73	-0.00	▷	0.95	0.00	LC 1-4				
Min V _y	-0.48	-0.01	-1.72	0.00	▷	0.93	-0.02	LC 1-5				
Max V _z	-0.98	-0.01	-1.72	0.00	▷	0.92	-0.01	LC 1-5				



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases			
					N	V _y	V _z	M _T	M _y	M _z				
140	RC6			0.177 Left	Min V _z	-0.55	-0.00	▷	-1.74	-0.00	0.96	-0.00	LC 1-4	
					Max M _T	-1.43	-0.01	▷	-1.72	0.00	0.93	-0.01	LC 1-4	
					Min M _T	-0.10	-0.00	▷	-1.73	-0.00	0.95	-0.00	LC 1-5	
					Max M _y	-0.74	-0.00	▷	-1.74	-0.00	0.96	-0.00	LC 1-4	
					Min M _y	-0.79	-0.01	▷	-1.72	0.00	0.92	-0.01	LC 1-5	
					Max M _z	-1.17	0.00	▷	-1.73	-0.00	0.95	0.00	LC 1-4	
					Min M _z	-0.36	-0.01	▷	-1.72	0.00	0.93	-0.02	LC 1-5	
					Max N	1.48	-0.00	▷	-1.65	-0.00	0.63	-0.01	LC 1-4	
					Min N	-3.02	-0.00	▷	-1.65	-0.00	0.65	-0.01	LC 1-5	
					Max V _y	-1.06	0.00	▷	-1.66	-0.00	0.65	0.00	LC 1-4	
					Min V _y	-0.48	-0.01	▷	-1.65	0.00	0.63	-0.02	LC 1-5	
					Max V _z	-0.99	-0.01	▷	-1.64	0.00	0.62	-0.01	LC 1-5	
					Min V _z	-0.55	-0.00	▷	-1.66	-0.00	0.66	-0.00	LC 1-4	
					Max M _T	-1.44	-0.01	▷	-1.65	0.00	0.63	-0.01	LC 1-4	
					Min M _T	-0.10	-0.00	▷	-1.66	-0.00	0.65	-0.00	LC 1-5	
					Max M _y	-0.76	-0.00	▷	-1.66	-0.00	0.66	-0.00	LC 1-4	
					Min M _y	-0.78	-0.01	▷	-1.64	0.00	0.62	-0.01	LC 1-5	
					Max M _z	-1.19	0.00	▷	-1.66	-0.00	0.65	0.00	LC 1-4	
					Min M _z	-0.35	-0.01	▷	-1.65	0.00	0.63	-0.02	LC 1-5	
					0.177 Right	Max N	1.48	-0.00	▷	-1.65	-0.00	0.63	-0.01	LC 1-4
						Min N	-3.02	-0.00	▷	-1.65	-0.00	0.65	-0.01	LC 1-5
				Max V _y		-1.06	0.00	▷	-1.66	-0.00	0.65	0.00	LC 1-4	
				Min V _y		-0.48	-0.01	▷	-1.65	0.00	0.63	-0.02	LC 1-5	
				Max V _z		-0.99	-0.01	▷	-1.64	0.00	0.62	-0.01	LC 1-5	
				Min V _z		-0.55	-0.00	▷	-1.66	-0.00	0.66	-0.00	LC 1-4	
				Max M _T		-1.44	-0.01	▷	-1.65	0.00	0.63	-0.01	LC 1-4	
				Min M _T		-0.10	-0.00	▷	-1.66	-0.00	0.65	-0.00	LC 1-5	
				Max M _y		-0.76	-0.00	▷	-1.66	-0.00	0.66	-0.00	LC 1-4	
				Min M _y		-0.78	-0.01	▷	-1.64	0.00	0.62	-0.01	LC 1-5	
				Max M _z		-1.19	0.00	▷	-1.66	-0.00	0.65	0.00	LC 1-4	
				Min M _z		-0.35	-0.01	▷	-1.65	0.00	0.63	-0.02	LC 1-5	
				Max N		1.46	-0.00	▷	-0.47	-0.00	-0.55	-0.00	LC 1-4	
				Min N		-3.04	-0.00	▷	-0.47	-0.00	-0.53	-0.00	LC 1-5	
				Max V _y		-1.07	0.00	▷	-0.48	-0.00	-0.53	0.00	LC 1-4	
				Min V _y		-0.50	-0.01	▷	-0.46	0.00	-0.54	-0.01	LC 1-5	
				Max V _z		-1.00	-0.01	▷	-0.46	0.00	-0.55	-0.00	LC 1-5	
				Min V _z		-0.57	-0.00	▷	-0.48	-0.00	-0.53	-0.00	LC 1-4	
				Max M _T		-1.45	-0.01	▷	-0.46	0.00	-0.54	-0.00	LC 1-4	
				Min M _T		-0.12	-0.00	▷	-0.48	-0.00	-0.54	-0.00	LC 1-5	
				Max M _y		-2.48	-0.00	▷	-0.48	-0.00	-0.53	-0.00	LC 1-4	
				Min M _y	0.90	-0.01	▷	-0.46	-0.00	-0.55	-0.00	LC 1-5		
				Max M _z	-1.37	0.00	▷	-0.47	-0.00	-0.53	0.00	LC 1-4		
				Min M _z	-0.20	-0.01	▷	-0.47	-0.00	-0.54	-0.01	LC 1-5		
				1.230 Right	Max N	1.46	-0.00	▷	-0.47	-0.00	-0.55	-0.00	LC 1-4	
					Min N	-3.04	-0.00	▷	-0.47	-0.00	-0.53	-0.00	LC 1-5	
					Max V _y	-1.07	0.00	▷	-0.48	-0.00	-0.53	0.00	LC 1-4	
					Min V _y	-0.50	-0.01	▷	-0.46	0.00	-0.54	-0.01	LC 1-5	
					Max V _z	-1.00	-0.01	▷	-0.46	0.00	-0.55	-0.00	LC 1-5	
					Min V _z	-0.57	-0.00	▷	-0.48	-0.00	-0.53	-0.00	LC 1-4	
					Max M _T	-1.45	-0.01	▷	-0.46	0.00	-0.54	-0.00	LC 1-4	
					Min M _T	-0.12	-0.00	▷	-0.48	-0.00	-0.54	-0.00	LC 1-5	
					Max M _y	-2.48	-0.00	▷	-0.48	-0.00	-0.53	-0.00	LC 1-4	
					Min M _y	0.90	-0.01	▷	-0.46	-0.00	-0.55	-0.00	LC 1-5	
					Max M _z	-1.37	0.00	▷	-0.47	-0.00	-0.53	0.00	LC 1-4	
					Min M _z	-0.20	-0.01	▷	-0.47	-0.00	-0.54	-0.01	LC 1-5	
					Max N	1.43	-0.00	▷	2.31	-0.00	1.23	0.01	LC 1-4	
					Min N	-3.07	-0.00	▷	2.31	-0.00	1.24	0.00	LC 1-5	
					Max V _y	-1.11	0.00	▷	2.31	-0.00	1.23	-0.00	LC 1-4	
					Min V _y	-0.53	-0.01	▷	2.32	0.00	1.24	0.01	LC 1-5	
					Max V _z	-1.04	-0.01	▷	2.32	0.00	1.24	0.01	LC 1-5	
					Min V _z	-0.60	-0.00	▷	2.30	-0.00	1.22	0.00	LC 1-4	
					Max M _T	-1.49	-0.01	▷	2.32	0.00	1.24	0.01	LC 1-4	
					Min M _T	-0.15	-0.00	▷	2.31	-0.00	1.22	-0.00	LC 1-5	
					Max M _y	-1.81	-0.01	▷	2.32	0.00	1.24	0.01	LC 1-5	
				Min M _y	0.17	-0.00	▷	2.30	-0.00	1.22	0.00	LC 1-4		
				Max M _z	-0.70	-0.01	▷	2.32	0.00	1.24	0.01	LC 1-5		
				Min M _z	-0.94	0.00	▷	2.31	-0.00	1.22	-0.00	LC 1-4		
3.161 Right	Max N	1.43	-0.00	▷	2.31	-0.00	1.23	0.01	LC 1-4					
	Min N	-3.07	-0.00	▷	2.31	-0.00	1.24	0.00	LC 1-5					
	Max V _y	-1.11	0.00	▷	2.31	-0.00	1.23	-0.00	LC 1-4					
	Min V _y	-0.53	-0.01	▷	2.32	0.00	1.24	0.01	LC 1-5					
	Max V _z	-1.04	-0.01	▷	2.32	0.00	1.24	0.01	LC 1-5					
	Min V _z	-0.60	-0.00	▷	2.30	-0.00	1.22	0.00	LC 1-4					
	Max M _T	-1.49	-0.01	▷	2.32	0.00	1.24	0.01	LC 1-4					
	Min M _T	-0.15	-0.00	▷	2.31	-0.00	1.22	-0.00	LC 1-5					
	Max M _y	-1.81	-0.01	▷	2.32	0.00	1.24	0.01	LC 1-5					
	Min M _y	0.17	-0.00	▷	2.30	-0.00	1.22	0.00	LC 1-4					
	Max M _z	-0.70	-0.01	▷	2.32	0.00	1.24	0.01	LC 1-5					
	Min M _z	-0.94	0.00	▷	2.31	-0.00	1.22	-0.00	LC 1-4					
	0.000 Left	Max N	-2.91	-0.01	▷	-0.70	-0.00	0.19	-0.01	CO 10				
		Min N	-8.73	-0.02	▷	-1.90	-0.00	0.55	-0.03	CO 7				
		Max V _y	-2.95	-0.00	▷	-0.70	-0.00	0.20	-0.01	CO 11				
		Min V _y	-8.69	-0.02	▷	-1.90	-0.00	0.55	-0.03	CO 2				
		Max V _z	-2.91	-0.01	▷	-0.70	-0.00	0.19	-0.01	CO 10				
		Min V _z	-8.73	-0.02	▷	-1.90	-0.00	0.55	-0.03	CO 7				
		Max M _T	-2.99	-0.01	▷	-0.70	-0.00	0.20	-0.01	CO 13				
		Min M _T	-8.65	-0.02	▷	-1.90	-0.00	0.55	-0.03	CO 4				
		Max M _y	-8.73	-0.02	▷	-1.90	-0.00	0.55	-0.03	CO 7				
Min M _y		-2.91	-0.01	▷	-0.70	-0.00	0.19	-0.01	CO 10					
Max M _z		-2.95	-0.00	▷	-0.70	-0.00	0.20	-0.01	CO 11					
Min M _z		-8.69	-0.02	▷	-1.90	-0.00	0.55	-0.03	CO 2					
Max N		-2.91	-0.01	▷	-0.70	-0.00	0.19	-0.01	CO 10					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
142	RC1		Right	Min N	-8.73	-0.02	-1.90	-0.00	0.55	-0.03	CO 7
				Max V _y	-2.95	-0.00	-0.70	-0.00	0.20	-0.01	CO 11
				Min V _y	-8.69	-0.02	-1.90	-0.00	0.55	-0.03	CO 2
				Max V _z	-2.91	-0.01	-0.70	-0.00	0.19	-0.01	CO 10
				Min V _z	-8.73	-0.02	-1.90	-0.00	0.55	-0.03	CO 7
				Max M _T	-2.99	-0.01	-0.70	-0.00	0.20	-0.01	CO 13
				Min M _T	-8.65	-0.02	-1.90	-0.00	0.55	-0.03	CO 4
				Max M _y	-8.73	-0.02	-1.90	-0.00	0.55	-0.03	CO 7
				Min M _y	-2.91	-0.01	-0.70	-0.00	0.19	-0.01	CO 10
				Max M _z	-2.95	-0.00	-0.70	-0.00	0.20	-0.01	CO 11
				Min M _z	-8.69	-0.02	-1.90	-0.00	0.55	-0.03	CO 2
			0.177 Left	Max N	-2.98	-0.01	-0.57	-0.00	0.08	-0.01	CO 10
				Min N	-8.79	-0.02	-1.70	-0.00	0.23	-0.03	CO 7
				Max V _y	-3.02	-0.01	-0.57	-0.00	0.08	-0.01	CO 11
				Min V _y	-8.75	-0.02	-1.69	-0.00	0.23	-0.03	CO 2
				Max V _z	-2.98	-0.01	-0.57	-0.00	0.08	-0.01	CO 10
				Min V _z	-8.79	-0.02	-1.70	-0.00	0.23	-0.03	CO 7
				Max M _T	-3.06	-0.01	-0.57	-0.00	0.08	-0.01	CO 13
				Min M _T	-8.72	-0.02	-1.69	-0.00	0.23	-0.03	CO 4
				Max M _y	-8.79	-0.02	-1.70	-0.00	0.23	-0.03	CO 7
				Min M _y	-2.98	-0.01	-0.57	-0.00	0.08	-0.01	CO 10
			0.177 Right	Max M _z	-3.02	-0.01	-0.57	-0.00	0.08	-0.01	CO 11
				Min M _z	-8.75	-0.02	-1.69	-0.00	0.23	-0.03	CO 2
				Max N	-2.98	-0.01	-0.57	-0.00	0.08	-0.01	CO 10
				Min N	-8.79	-0.02	-1.70	-0.00	0.23	-0.03	CO 7
				Max V _y	-3.02	-0.01	-0.57	-0.00	0.08	-0.01	CO 11
				Min V _y	-8.75	-0.02	-1.69	-0.00	0.23	-0.03	CO 2
				Max V _z	-2.98	-0.01	-0.57	-0.00	0.08	-0.01	CO 10
				Min V _z	-8.79	-0.02	-1.70	-0.00	0.23	-0.03	CO 7
				Max M _T	-3.06	-0.01	-0.57	-0.00	0.08	-0.01	CO 13
				Min M _T	-8.72	-0.02	-1.69	-0.00	0.23	-0.03	CO 4
			1.230 Left	Max M _y	-8.79	-0.02	-1.70	-0.00	0.23	-0.03	CO 7
				Min M _y	-2.98	-0.01	-0.57	-0.00	0.08	-0.01	CO 10
				Max M _z	-3.02	-0.01	-0.57	-0.00	0.08	-0.01	CO 11
				Min M _z	-8.75	-0.02	-1.69	-0.00	0.23	-0.03	CO 2
				Max N	-3.39	-0.01	0.19	-0.00	-0.12	0.00	CO 10
				Min N	-9.20	-0.03	0.65	-0.00	-0.41	0.00	CO 7
				Max V _y	-3.43	-0.01	0.19	-0.00	-0.12	0.00	CO 11
				Min V _y	-9.16	-0.03	0.65	-0.00	-0.41	0.00	CO 2
				Max V _z	-9.13	-0.03	0.65	-0.00	-0.41	0.00	CO 4
				Min V _z	-3.46	-0.01	0.19	-0.00	-0.12	0.00	CO 13
			1.230 Right	Max M _T	-3.46	-0.01	0.19	-0.00	-0.12	0.00	CO 13
				Min M _T	-9.13	-0.03	0.65	-0.00	-0.41	0.00	CO 4
				Max M _y	-3.41	-0.01	0.19	-0.00	-0.12	0.00	CO 9
				Min M _y	-9.18	-0.03	0.65	-0.00	-0.41	0.00	CO 8
				Max M _z	-9.18	-0.03	0.65	-0.00	-0.41	0.00	CO 8
				Min M _z	-3.41	-0.01	0.19	-0.00	-0.12	0.00	CO 9
				Max N	-3.39	-0.01	0.19	-0.00	-0.12	0.00	CO 10
				Min N	-9.20	-0.03	0.65	-0.00	-0.41	0.00	CO 7
				Max V _y	-3.43	-0.01	0.19	-0.00	-0.12	0.00	CO 11
				Min V _y	-9.16	-0.03	0.65	-0.00	-0.41	0.00	CO 2
			2.107 Left	Max V _z	-9.13	-0.03	0.65	-0.00	-0.41	0.00	CO 4
				Min V _z	-3.46	-0.01	0.19	-0.00	-0.12	0.00	CO 13
				Max M _T	-3.46	-0.01	0.19	-0.00	-0.12	0.00	CO 13
				Min M _T	-9.13	-0.03	0.65	-0.00	-0.41	0.00	CO 4
				Max M _y	-3.41	-0.01	0.19	-0.00	-0.12	0.00	CO 9
				Min M _y	-9.18	-0.03	0.65	-0.00	-0.41	0.00	CO 8
				Max M _z	-9.18	-0.03	0.65	-0.00	-0.41	0.00	CO 8
				Min M _z	-3.41	-0.01	0.19	-0.00	-0.12	0.00	CO 9
				Max N	-3.73	-0.01	0.82	-0.00	0.32	0.01	CO 10
				Min N	-9.54	-0.02	2.96	-0.00	1.18	0.03	CO 7
			2.107 Right	Max V _y	-3.77	-0.01	0.81	-0.00	0.32	0.01	CO 11
				Min V _y	-9.50	-0.03	2.96	-0.00	1.18	0.03	CO 2
				Max V _z	-9.47	-0.03	2.96	-0.00	1.18	0.03	CO 4
				Min V _z	-3.80	-0.01	0.81	-0.00	0.32	0.01	CO 13
				Max M _T	-3.80	-0.01	0.81	-0.00	0.32	0.01	CO 13
				Min M _T	-9.47	-0.03	2.96	-0.00	1.18	0.03	CO 4
				Max M _y	-9.47	-0.03	2.96	-0.00	1.18	0.03	CO 4
				Min M _y	-3.80	-0.01	0.81	-0.00	0.32	0.01	CO 13
				Max M _z	-9.50	-0.03	2.96	-0.00	1.18	0.03	CO 2
				Min M _z	-3.77	-0.01	0.81	-0.00	0.32	0.01	CO 11
			77	Max N	-3.73	-0.01	0.82	-0.00	0.32	0.01	CO 10
				Min N	-9.54	-0.02	2.96	-0.00	1.18	0.03	CO 7
				Max V _y	-3.77	-0.01	0.81	-0.00	0.32	0.01	CO 11
				Min V _y	-9.50	-0.03	2.96	-0.00	1.18	0.03	CO 2
				Max V _z	-9.47	-0.03	2.96	-0.00	1.18	0.03	CO 4
				Min V _z	-3.80	-0.01	0.81	-0.00	0.32	0.01	CO 13
				Max M _T	-3.80	-0.01	0.81	-0.00	0.32	0.01	CO 13
				Min M _T	-9.47	-0.03	2.96	-0.00	1.18	0.03	CO 4
				Max M _y	-9.47	-0.03	2.96	-0.00	1.18	0.03	CO 4
				Min M _y	-3.80	-0.01	0.81	-0.00	0.32	0.01	CO 13
			0.000 Left	Max M _z	-9.50	-0.03	2.96	-0.00	1.18	0.03	CO 2
				Min M _z	-3.77	-0.01	0.81	-0.00	0.32	0.01	CO 11
				Max N	-2.00	-0.00	-0.47	-0.00	0.13	-0.00	CO 24
				Min N	-6.30	-0.02	-1.36	-0.00	0.39	-0.02	CO 21
				Max V _y	-2.03	-0.00	-0.47	-0.00	0.13	-0.00	CO 25
				Min V _y	-6.27	-0.02	-1.36	-0.00	0.39	-0.02	CO 16
				Max V _z	-2.00	-0.00	-0.47	-0.00	0.13	-0.00	CO 24
				Min V _z	-6.30	-0.02	-1.36	-0.00	0.39	-0.02	CO 21
				Max M _T	-2.06	-0.00	-0.47	-0.00	0.13	-0.00	CO 27
				Min M _T	-6.25	-0.02	-1.36	-0.00	0.39	-0.02	CO 18
				Max M _y	-6.30	-0.02	-1.36	-0.00	0.39	-0.02	CO 21



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
142	RC2	98	0.000 Right	Min M _y	-2.00	-0.00	-0.47	-0.00	0.13	-0.00	CO 24
				Max M _z	-2.03	-0.00	-0.47	-0.00	0.13	-0.00	CO 25
				Min M _z	-6.27	-0.02	-1.36	-0.00	0.39	-0.02	CO 16
				Max N	-2.00	-0.00	-0.47	-0.00	0.13	-0.00	CO 24
				Min N	-6.30	-0.02	-1.36	-0.00	0.39	-0.02	CO 21
				Max V _y	-2.03	-0.00	-0.47	-0.00	0.13	-0.00	CO 25
				Min V _y	-6.27	-0.02	-1.36	-0.00	0.39	-0.02	CO 16
				Max V _z	-2.00	-0.00	-0.47	-0.00	0.13	-0.00	CO 24
				Min V _z	-6.30	-0.02	-1.36	-0.00	0.39	-0.02	CO 21
				Max M _T	-2.06	-0.00	-0.47	-0.00	0.13	-0.00	CO 27
				Min M _T	-6.25	-0.02	-1.36	-0.00	0.39	-0.02	CO 18
				Max M _y	-6.30	-0.02	-1.36	-0.00	0.39	-0.02	CO 21
				Min M _y	-2.00	-0.00	-0.47	-0.00	0.13	-0.00	CO 24
				Max M _z	-2.03	-0.00	-0.47	-0.00	0.13	-0.00	CO 25
				Min M _z	-6.27	-0.02	-1.36	-0.00	0.39	-0.02	CO 16
				Max N	-2.05	-0.00	-0.38	-0.00	0.05	-0.00	CO 24
				Min N	-6.35	-0.02	-1.21	-0.00	0.16	-0.02	CO 21
				Max V _y	-2.08	-0.00	-0.39	-0.00	0.06	-0.00	CO 25
				Min V _y	-6.32	-0.02	-1.21	-0.00	0.16	-0.02	CO 16
				Max V _z	-2.05	-0.00	-0.38	-0.00	0.05	-0.00	CO 24
				Min V _z	-6.35	-0.02	-1.21	-0.00	0.16	-0.02	CO 21
				Max M _T	-2.10	-0.00	-0.39	-0.00	0.06	-0.00	CO 27
				Min M _T	-6.29	-0.02	-1.21	-0.00	0.16	-0.02	CO 18
				Max M _y	-6.35	-0.02	-1.21	-0.00	0.16	-0.02	CO 21
				Min M _y	-2.05	-0.00	-0.38	-0.00	0.05	-0.00	CO 24
				Max M _z	-2.08	-0.00	-0.39	-0.00	0.06	-0.00	CO 25
				Min M _z	-6.32	-0.02	-1.21	-0.00	0.16	-0.02	CO 16
				Max N	-2.05	-0.00	-0.38	-0.00	0.05	-0.00	CO 24
				Min N	-6.35	-0.02	-1.21	-0.00	0.16	-0.02	CO 21
				Max V _y	-2.08	-0.00	-0.39	-0.00	0.06	-0.00	CO 25
				Min V _y	-6.32	-0.02	-1.21	-0.00	0.16	-0.02	CO 16
				Max V _z	-2.05	-0.00	-0.38	-0.00	0.05	-0.00	CO 24
				Min V _z	-6.35	-0.02	-1.21	-0.00	0.16	-0.02	CO 21
				Max M _T	-2.10	-0.00	-0.39	-0.00	0.06	-0.00	CO 27
				Min M _T	-6.29	-0.02	-1.21	-0.00	0.16	-0.02	CO 18
				Max M _y	-6.35	-0.02	-1.21	-0.00	0.16	-0.02	CO 21
				Min M _y	-2.05	-0.00	-0.38	-0.00	0.05	-0.00	CO 24
				Max M _z	-2.08	-0.00	-0.39	-0.00	0.06	-0.00	CO 25
				Min M _z	-6.32	-0.02	-1.21	-0.00	0.16	-0.02	CO 16
				Max N	-2.32	-0.00	0.12	-0.00	-0.08	0.00	CO 24
				Min N	-6.62	-0.02	0.46	-0.00	-0.30	0.00	CO 21
				Max V _y	-2.35	-0.00	0.12	-0.00	-0.08	0.00	CO 25
				Min V _y	-6.59	-0.02	0.46	-0.00	-0.30	0.00	CO 16
				Max V _z	-6.57	-0.02	0.46	-0.00	-0.30	0.00	CO 18
				Min V _z	-2.38	-0.00	0.12	-0.00	-0.08	0.00	CO 27
				Max M _T	-2.38	-0.00	0.12	-0.00	-0.08	0.00	CO 27
				Min M _T	-6.57	-0.02	0.46	-0.00	-0.30	0.00	CO 18
				Max M _y	-2.34	-0.00	0.12	-0.00	-0.08	0.00	CO 23
				Min M _y	-6.61	-0.02	0.46	-0.00	-0.30	0.00	CO 22
				Max M _z	-6.61	-0.02	0.46	-0.00	-0.30	0.00	CO 22
				Min M _z	-2.34	-0.00	0.12	-0.00	-0.08	0.00	CO 23
				Max N	-2.32	-0.00	0.12	-0.00	-0.08	0.00	CO 24
				Min N	-6.62	-0.02	0.46	-0.00	-0.30	0.00	CO 21
				Max V _y	-2.35	-0.00	0.12	-0.00	-0.08	0.00	CO 25
				Min V _y	-6.59	-0.02	0.46	-0.00	-0.30	0.00	CO 16
				Max V _z	-6.57	-0.02	0.46	-0.00	-0.30	0.00	CO 18
				Min V _z	-2.38	-0.00	0.12	-0.00	-0.08	0.00	CO 27
				Max M _T	-2.38	-0.00	0.12	-0.00	-0.08	0.00	CO 27
				Min M _T	-6.57	-0.02	0.46	-0.00	-0.30	0.00	CO 18
				Max M _y	-2.34	-0.00	0.12	-0.00	-0.08	0.00	CO 23
				Min M _y	-6.61	-0.02	0.46	-0.00	-0.30	0.00	CO 22
				Max M _z	-6.61	-0.02	0.46	-0.00	-0.30	0.00	CO 22
				Min M _z	-2.34	-0.00	0.12	-0.00	-0.08	0.00	CO 23
				Max N	-2.55	-0.00	0.55	-0.00	0.21	0.00	CO 24
				Min N	-6.85	-0.02	2.13	-0.00	0.85	0.02	CO 21
				Max V _y	-2.58	-0.00	0.54	-0.00	0.21	0.00	CO 25
				Min V _y	-6.82	-0.02	2.14	-0.00	0.85	0.02	CO 16
				Max V _z	-6.79	-0.02	2.14	-0.00	0.85	0.02	CO 18
				Min V _z	-2.60	-0.00	0.54	-0.00	0.21	0.00	CO 27
				Max M _T	-2.60	-0.00	0.54	-0.00	0.21	0.00	CO 27
				Min M _T	-6.79	-0.02	2.14	-0.00	0.85	0.02	CO 18
				Max M _y	-6.79	-0.02	2.14	-0.00	0.85	0.02	CO 18
				Min M _y	-2.60	-0.00	0.54	-0.00	0.21	0.00	CO 27
				Max M _z	-6.82	-0.02	2.14	-0.00	0.85	0.02	CO 16
				Min M _z	-2.58	-0.00	0.54	-0.00	0.21	0.00	CO 25
				Max N	-2.55	-0.00	0.55	-0.00	0.21	0.00	CO 24
				Min N	-6.85	-0.02	2.13	-0.00	0.85	0.02	CO 21
				Max V _y	-2.58	-0.00	0.54	-0.00	0.21	0.00	CO 25
				Min V _y	-6.82	-0.02	2.14	-0.00	0.85	0.02	CO 16
				Max V _z	-6.79	-0.02	2.14	-0.00	0.85	0.02	CO 18
				Min V _z	-2.60	-0.00	0.54	-0.00	0.21	0.00	CO 27
				Max M _T	-2.60	-0.00	0.54	-0.00	0.21	0.00	CO 27
				Min M _T	-6.79	-0.02	2.14	-0.00	0.85	0.02	CO 18
				Max M _y	-6.79	-0.02	2.14	-0.00	0.85	0.02	CO 18
				Min M _y	-2.60	-0.00	0.54	-0.00	0.21	0.00	CO 27
				Max M _z	-6.82	-0.02	2.14	-0.00	0.85	0.02	CO 16
				Min M _z	-2.58	-0.00	0.54	-0.00	0.21	0.00	CO 25
				Max N	-3.79	-0.01	-0.95	-0.00	0.29	-0.01	LC 1-4
				Min N	-6.27	-0.02	-0.92	0.00	0.27	-0.03	LC 1-5
				Max V _y	-4.17	-0.00	-0.98	-0.00	0.33	-0.00	LC 1-5
				Min V _y	-5.89	-0.03	-0.89	-0.00	0.23	-0.03	LC 1-4
				Max V _z	-4.97	-0.03	-0.87	-0.00	0.21	-0.03	LC 1-4



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding		
					N	V _y	V _z	M _T	M _y	M _z	Load Cases		
142	RC6				Min V _z	-5.09	-0.00	▷	-0.99	0.00	0.36	-0.00	LC 1-5
					Max M _T	-5.69	-0.01	▷	-0.98	0.00	0.34	-0.01	LC 1-5
					Min M _T	-4.37	-0.02	▷	-0.89	-0.00	0.22	-0.02	LC 1-4
					Max M _y	-5.14	-0.00	▷	-0.99	0.00	0.36	-0.00	LC 1-5
					Min M _y	-4.92	-0.03	▷	-0.87	-0.00	0.21	-0.03	LC 1-4
					Max M _z	-4.19	-0.00	▷	-0.98	-0.00	0.33	-0.00	LC 1-5
					Min M _z	-5.87	-0.03	▷	-0.89	-0.00	0.23	-0.03	LC 1-4
					Max N	-3.79	-0.01	▷	-0.95	-0.00	0.29	-0.01	LC 1-4
					Min N	-6.27	-0.02	▷	-0.92	0.00	0.27	-0.03	LC 1-5
					Max V _y	-4.17	-0.00	▷	-0.98	-0.00	0.33	-0.00	LC 1-5
					Min V _y	-5.89	-0.03	▷	-0.89	-0.00	0.23	-0.03	LC 1-4
					Max V _z	-4.97	-0.03	▷	-0.87	-0.00	0.21	-0.03	LC 1-4
					Min V _z	-5.09	-0.00	▷	-0.99	0.00	0.36	-0.00	LC 1-5
					Max M _T	-5.69	-0.01	▷	-0.98	0.00	0.34	-0.01	LC 1-5
					Min M _T	-4.37	-0.02	▷	-0.89	-0.00	0.22	-0.02	LC 1-4
					Max M _y	-5.14	-0.00	▷	-0.99	0.00	0.36	-0.00	LC 1-5
					Min M _y	-4.92	-0.03	▷	-0.87	-0.00	0.21	-0.03	LC 1-4
					Max M _z	-4.19	-0.00	▷	-0.98	-0.00	0.33	-0.00	LC 1-5
					Min M _z	-5.87	-0.03	▷	-0.89	-0.00	0.23	-0.03	LC 1-4
					Max N	-3.80	-0.01	▷	-0.88	-0.00	0.13	-0.01	LC 1-4
					Min N	-6.27	-0.02	▷	-0.85	0.00	0.12	-0.02	LC 1-5
					Max V _y	-4.17	-0.00	▷	-0.91	-0.00	0.16	-0.00	LC 1-5
					Min V _y	-5.90	-0.03	▷	-0.82	-0.00	0.08	-0.03	LC 1-4
					Max V _z	-4.97	-0.03	▷	-0.80	-0.00	0.06	-0.03	LC 1-4
					Min V _z	-5.10	-0.00	▷	-0.92	0.00	0.19	-0.00	LC 1-5
					Max M _T	-5.69	-0.01	▷	-0.91	0.00	0.18	-0.01	LC 1-5
					Min M _T	-4.38	-0.02	▷	-0.82	-0.00	0.07	-0.02	LC 1-4
					Max M _y	-5.16	-0.00	▷	-0.92	0.00	0.19	-0.00	LC 1-5
					Min M _y	-4.91	-0.03	▷	-0.80	-0.00	0.06	-0.03	LC 1-4
					Max M _z	-4.20	-0.00	▷	-0.91	-0.00	0.16	-0.00	LC 1-5
					Min M _z	-5.87	-0.03	▷	-0.82	-0.00	0.08	-0.03	LC 1-4
					Max N	-3.80	-0.01	▷	-0.88	-0.00	0.13	-0.01	LC 1-4
					Min N	-6.27	-0.02	▷	-0.85	0.00	0.12	-0.02	LC 1-5
					Max V _y	-4.17	-0.00	▷	-0.91	-0.00	0.16	-0.00	LC 1-5
					Min V _y	-5.90	-0.03	▷	-0.82	-0.00	0.08	-0.03	LC 1-4
					Max V _z	-4.97	-0.03	▷	-0.80	-0.00	0.06	-0.03	LC 1-4
					Min V _z	-5.10	-0.00	▷	-0.92	0.00	0.19	-0.00	LC 1-5
					Max M _T	-5.69	-0.01	▷	-0.91	0.00	0.18	-0.01	LC 1-5
					Min M _T	-4.38	-0.02	▷	-0.82	-0.00	0.07	-0.02	LC 1-4
					Max M _y	-5.16	-0.00	▷	-0.92	0.00	0.19	-0.00	LC 1-5
					Min M _y	-4.91	-0.03	▷	-0.80	-0.00	0.06	-0.03	LC 1-4
					Max M _z	-4.20	-0.00	▷	-0.91	-0.00	0.16	-0.00	LC 1-5
					Min M _z	-5.87	-0.03	▷	-0.82	-0.00	0.08	-0.03	LC 1-4
					Max N	-3.81	-0.01	▷	-0.88	-0.00	0.13	-0.00	LC 1-4
					Min N	-6.29	-0.02	▷	-0.85	0.00	0.12	0.00	LC 1-5
					Max V _y	-4.19	-0.00	▷	-0.91	-0.00	0.16	-0.00	LC 1-5
					Min V _y	-5.91	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4
					Max V _z	-4.99	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4
					Min V _z	-5.11	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5
					Max M _T	-5.71	-0.01	▷	-0.91	0.00	0.18	0.00	LC 1-5
					Min M _T	-4.40	-0.02	▷	-0.82	-0.00	0.07	0.00	LC 1-4
					Max M _y	-5.16	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5
					Min M _y	-4.91	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4
					Max M _z	-4.20	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5
					Min M _z	-5.87	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4
					Max N	-3.81	-0.01	▷	-0.88	-0.00	0.13	0.00	LC 1-4
					Min N	-6.29	-0.02	▷	-0.85	0.00	0.12	0.00	LC 1-5
					Max V _y	-4.19	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5
					Min V _y	-5.91	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4
					Max V _z	-4.99	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4
					Min V _z	-5.11	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5
					Max M _T	-5.71	-0.01	▷	-0.91	0.00	0.18	0.00	LC 1-5
					Min M _T	-4.40	-0.02	▷	-0.82	-0.00	0.07	0.00	LC 1-4
					Max M _y	-5.16	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5
					Min M _y	-4.91	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4
					Max M _z	-4.20	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5
					Min M _z	-5.87	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4
					Max N	-3.81	-0.01	▷	-0.88	-0.00	0.13	0.00	LC 1-4
					Min N	-6.29	-0.02	▷	-0.85	0.00	0.12	0.00	LC 1-5
					Max V _y	-4.19	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5
					Min V _y	-5.91	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4
					Max V _z	-4.99	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4
					Min V _z	-5.11	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5
					Max M _T	-5.71	-0.01	▷	-0.91	0.00	0.18	0.00	LC 1-5
					Min M _T	-4.40	-0.02	▷	-0.82	-0.00	0.07	0.00	LC 1-4
					Max M _y	-5.16	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5
					Min M _y	-4.91	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4
					Max M _z	-4.20	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5
					Min M _z	-5.87	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4
					Max N	-3.81	-0.01	▷	-0.88	-0.00	0.13	0.00	LC 1-4
					Min N	-6.29	-0.02	▷	-0.85	0.00	0.12	0.00	LC 1-5
					Max V _y	-4.19	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5
					Min V _y	-5.91	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4
					Max V _z	-4.99	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4
					Min V _z	-5.11	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5
					Max M _T	-5.71	-0.01	▷	-0.91	0.00	0.18	0.00	LC 1-5
					Min M _T	-4.40	-0.02	▷	-0.82	-0.00	0.07	0.00	LC 1-4
					Max M _y	-5.16	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5
					Min M _y	-4.91	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4
					Max M _z	-4.20	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5
					Min M _z	-5.87	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4
					Max N	-3.81	-0.01	▷	-0.88	-0.00	0.13	0.00	LC 1-4
					Min N	-6.29	-0.02	▷	-0.85	0.00	0.12	0.00	LC 1-5
					Max V _y	-4.19	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5
					Min V _y	-5.91	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4
					Max V _z	-4.99	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4
					Min V _z	-5.11	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5
Max M _T	-5.71	-0.01	▷	-0.91	0.00	0.18	0.00	LC 1-5					
Min M _T	-4.40	-0.02	▷	-0.82	-0.00	0.07	0.00	LC 1-4					
Max M _y	-5.16	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5					
Min M _y	-4.91	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4					
Max M _z	-4.20	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5					
Min M _z	-5.87	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4					
Max N	-3.81	-0.01	▷	-0.88	-0.00	0.13	0.00	LC 1-4					
Min N	-6.29	-0.02	▷	-0.85	0.00	0.12	0.00	LC 1-5					
Max V _y	-4.19	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5					
Min V _y	-5.91	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4					
Max V _z	-4.99	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4					
Min V _z	-5.11	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5					
Max M _T	-5.71	-0.01	▷	-0.91	0.00	0.18	0.00	LC 1-5					
Min M _T	-4.40	-0.02	▷	-0.82	-0.00	0.07	0.00	LC 1-4					
Max M _y	-5.16	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5					
Min M _y	-4.91	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4					
Max M _z	-4.20	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5					
Min M _z	-5.87	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4					
Max N	-3.81	-0.01	▷	-0.88	-0.00	0.13	0.00	LC 1-4					
Min N	-6.29	-0.02	▷	-0.85	0.00	0.12	0.00	LC 1-5					
Max V _y	-4.19	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5					
Min V _y	-5.91	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4					
Max V _z	-4.99	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4					
Min V _z	-5.11	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5					
Max M _T	-5.71	-0.01	▷	-0.91	0.00	0.18	0.00	LC 1-5					
Min M _T	-4.40	-0.02	▷	-0.82	-0.00	0.07	0.00	LC 1-4					
Max M _y	-5.16	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5					
Min M _y	-4.91	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4					
Max M _z	-4.20	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5					
Min M _z	-5.87	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4					
Max N	-3.81	-0.01	▷	-0.88	-0.00	0.13	0.00	LC 1-4					
Min N	-6.29	-0.02	▷	-0.85	0.00	0.12	0.00	LC 1-5					
Max V _y	-4.19	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5					
Min V _y	-5.91	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4					
Max V _z	-4.99	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4					
Min V _z	-5.11	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5					
Max M _T	-5.71	-0.01	▷	-0.91	0.00	0.18	0.00	LC 1-5					
Min M _T	-4.40	-0.02	▷	-0.82	-0.00	0.07	0.00	LC 1-4					
Max M _y	-5.16	-0.00	▷	-0.92	0.00	0.19	0.00	LC 1-5					
Min M _y	-4.91	-0.03	▷	-0.80	-0.00	0.06	0.00	LC 1-4					
Max M _z	-4.20	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5					
Min M _z	-5.87	-0.03	▷	-0.82	-0.00	0.08	0.00	LC 1-4					
Max N	-3.81	-0.01	▷	-0.88	-0.00	0.13	0.00	LC 1-4					
Min N	-6.29	-0.02	▷	-0.85	0.00	0.12	0.00	LC 1-5					
Max V _y	-4.19	-0.00	▷	-0.91	-0.00	0.16	0.00	LC 1-5					
Min V _y	-5.91	-0.03	▷										



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases		
				N	V _y	V _z	M _T	M _y	M _z					
144	RC1		Left	Min N	▷	-6.48	-0.02	-0.57	0.00	0.07	-0.00	CO 3		
				Max V _y	▷	-2.10	0.00	-0.33	0.00	0.05	0.00	CO 11		
				Min V _y	▷	-6.44	-0.03	-0.56	0.00	0.06	-0.01	CO 2		
				Max V _z	▷	-2.05	0.00	-0.32	0.00	0.05	0.00	CO 14		
				Min V _z	▷	-6.48	-0.02	-0.57	0.00	0.07	-0.00	CO 5		
				Max M _T	▷	-6.46	-0.02	-0.57	0.00	0.07	-0.01	CO 7		
				Min M _T	▷	-2.08	0.00	-0.33	0.00	0.05	0.00	CO 10		
				Max M _y	▷	-6.48	-0.02	-0.57	0.00	0.07	-0.00	CO 5		
				Min M _y	▷	-2.05	0.00	-0.32	0.00	0.05	0.00	CO 14		
				Max M _z	▷	-2.10	0.00	-0.33	0.00	0.05	0.00	CO 11		
				0.000 Right	Min M _z	▷	-6.44	-0.03	-0.56	0.00	0.06	▷	-0.01	CO 2
			Max N		▷	-2.05	0.00	-0.32	0.00	0.05	0.00	CO 14		
			Min N		▷	-6.48	-0.02	-0.57	0.00	0.07	-0.00	CO 3		
			Max V _y		▷	-2.10	0.00	-0.33	0.00	0.05	0.00	CO 11		
			Min V _y		▷	-6.44	-0.03	-0.56	0.00	0.06	-0.01	CO 2		
			Max V _z		▷	-2.05	0.00	-0.32	0.00	0.05	0.00	CO 14		
			Min V _z		▷	-6.48	-0.02	-0.57	0.00	0.07	-0.00	CO 5		
			Max M _T		▷	-6.46	-0.02	-0.57	0.00	0.07	-0.01	CO 7		
			Min M _T		▷	-2.08	0.00	-0.33	0.00	0.05	0.00	CO 10		
			Max M _y		▷	-6.48	-0.02	-0.57	0.00	0.07	-0.00	CO 5		
			0.177 Left	Min M _y	▷	-2.05	0.00	-0.32	0.00	0.05	0.00	CO 14		
				Max M _z	▷	-2.10	0.00	-0.33	0.00	0.05	▷	0.00	CO 11	
				Min M _z	▷	-6.44	-0.03	-0.56	0.00	0.06	▷	-0.01	CO 2	
				Max N	▷	-2.12	0.00	-0.20	0.00	0.00	0.00	0.00	CO 14	
				Min N	▷	-6.55	-0.02	-0.37	0.00	-0.02	-0.00	CO 3		
				Max V _y	▷	-2.17	0.00	-0.21	0.00	0.01	0.00	CO 11		
				Min V _y	▷	-6.51	-0.03	-0.36	0.00	-0.02	-0.00	CO 2		
				Max V _z	▷	-2.12	0.00	-0.20	0.00	0.00	0.00	CO 14		
				Min V _z	▷	-6.55	-0.02	-0.37	0.00	-0.02	-0.00	CO 5		
				Max M _T	▷	-6.53	-0.02	-0.36	0.00	-0.02	-0.00	CO 7		
			0.177 Right	Min M _T	▷	-2.14	0.00	-0.20	0.00	0.00	0.00	CO 10		
				Max M _y	▷	-2.17	0.00	-0.21	0.00	0.01	0.00	CO 11		
				Min M _y	▷	-6.51	-0.03	-0.36	0.00	-0.02	-0.00	CO 2		
				Max M _z	▷	-2.17	0.00	-0.21	0.00	0.01	▷	0.00	CO 11	
				Min M _z	▷	-6.51	-0.03	-0.36	0.00	-0.02	▷	-0.00	CO 2	
				Max N	▷	-2.12	0.00	-0.20	0.00	0.00	0.00	CO 14		
				Min N	▷	-6.55	-0.02	-0.37	0.00	-0.02	-0.00	CO 3		
				Max V _y	▷	-2.17	0.00	-0.21	0.00	0.01	0.00	CO 11		
				Min V _y	▷	-6.51	-0.03	-0.36	0.00	-0.02	-0.00	CO 2		
				Max V _z	▷	-2.12	0.00	-0.20	0.00	0.00	0.00	CO 14		
			1.054 Left	Min V _z	▷	-6.55	-0.02	-0.37	0.00	-0.02	-0.00	CO 5		
				Max M _T	▷	-6.53	-0.02	-0.36	0.00	-0.02	-0.00	CO 7		
				Min M _T	▷	-2.14	0.00	-0.20	0.00	0.00	0.00	CO 10		
				Max M _y	▷	-2.17	0.00	-0.21	0.00	0.01	0.00	CO 11		
				Min M _y	▷	-6.51	-0.03	-0.36	0.00	-0.02	-0.00	CO 2		
				Max M _z	▷	-2.17	0.00	-0.21	0.00	0.01	▷	0.00	CO 11	
				Min M _z	▷	-6.51	-0.03	-0.36	0.00	-0.02	▷	-0.00	CO 2	
				Max N	▷	-2.46	0.00	0.43	0.00	0.11	0.00	CO 14		
				Min N	▷	-6.89	-0.02	1.57	0.00	0.45	0.02	CO 3		
				Max V _y	▷	-2.50	0.00	0.42	0.00	0.10	-0.00	CO 11		
			99 1.054 Right	Min V _y	▷	-6.85	-0.03	1.58	0.00	0.45	0.02	CO 2		
				Max V _z	▷	-6.85	-0.03	1.58	0.00	0.45	0.02	CO 2		
				Min V _z	▷	-2.50	0.00	0.42	0.00	0.10	-0.00	CO 11		
				Max M _T	▷	-6.87	-0.02	1.57	0.00	0.45	0.02	CO 7		
				Min M _T	▷	-2.48	0.00	0.43	0.00	0.11	0.00	CO 10		
				Max M _y	▷	-6.85	-0.03	1.58	0.00	0.45	0.02	CO 2		
				Min M _y	▷	-2.50	0.00	0.42	0.00	0.10	-0.00	CO 11		
				Max M _z	▷	-6.85	-0.03	1.58	0.00	0.45	▷	0.02	CO 2	
				Min M _z	▷	-2.50	0.00	0.42	0.00	0.10	▷	-0.00	CO 11	
				Max N	▷	-2.46	0.00	0.43	0.00	0.11	0.00	CO 14		
			RC2	81	0.000 Left	Min N	▷	-4.68	-0.02	-0.40	0.00	0.05	-0.00	CO 17
						Max V _y	▷	-1.44	0.00	-0.23	0.00	0.04	0.00	CO 25
						Min V _y	▷	-4.65	-0.02	-0.40	0.00	0.04	-0.00	CO 16
						Max V _z	▷	-1.41	0.00	-0.22	0.00	0.03	0.00	CO 28
						Min V _z	▷	-4.68	-0.02	-0.40	0.00	0.05	-0.00	CO 19
						Max M _T	▷	-4.66	-0.02	-0.40	0.00	0.05	-0.00	CO 21
						Min M _T	▷	-1.42	0.00	-0.22	0.00	0.03	0.00	CO 24
						Max M _y	▷	-4.68	-0.02	-0.40	0.00	0.05	-0.00	CO 19
						Min M _y	▷	-1.41	0.00	-0.22	0.00	0.03	0.00	CO 28
						Max M _z	▷	-1.44	0.00	-0.23	0.00	0.04	▷	0.00
					0.000 Right	Min M _z	▷	-4.65	-0.02	-0.40	0.00	0.04	▷	-0.00
	Max N	▷				-1.41	0.00	-0.22	0.00	0.03	0.00	CO 28		
	Min N	▷				-4.68	-0.02	-0.40	0.00	0.05	-0.00	CO 17		
	Max V _y	▷				-1.44	0.00	-0.23	0.00	0.04	0.00	CO 25		
	Min V _y	▷				-4.65	-0.02	-0.40	0.00	0.04	-0.00	CO 16		
	Max V _z	▷				-1.41	0.00	-0.22	0.00	0.03	0.00	CO 28		
	Min V _z	▷				-4.68	-0.02	-0.40	0.00	0.05	-0.00	CO 19		
	Max M _T	▷				-4.66	-0.02	-0.40	0.00	0.05	-0.00	CO 21		
	Min M _T	▷				-1.42	0.00	-0.22	0.00	0.03	0.00	CO 24		
	Max M _y	▷				-4.68	-0.02	-0.40	0.00	0.05	-0.00	CO 19		

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
144	RC2		0.177 Left	Min M _y	-1.41	0.00	-0.22	0.00	0.03	0.00	CO 28
				Max M _z	-1.44	0.00	-0.23	0.00	0.04	0.00	CO 25
				Min M _z	-4.65	-0.02	-0.40	0.00	0.04	-0.00	CO 16
				Max N	-1.45	0.00	-0.14	0.00	0.00	0.00	CO 28
				Min N	-4.72	-0.02	-0.26	0.00	-0.01	-0.00	CO 17
				Max V _y	-1.48	0.00	-0.14	0.00	0.01	0.00	CO 25
				Min V _y	-4.69	-0.02	-0.25	0.00	-0.02	-0.00	CO 16
				Max V _z	-1.45	0.00	-0.14	0.00	0.00	0.00	CO 28
				Min V _z	-4.72	-0.02	-0.26	0.00	-0.01	-0.00	CO 19
				Max M _T	-4.71	-0.02	-0.26	0.00	-0.01	-0.00	CO 21
				Min M _T	-1.47	0.00	-0.14	0.00	0.00	0.00	CO 24
				Max M _y	-1.48	0.00	-0.14	0.00	0.01	0.00	CO 25
				Min M _y	-4.69	-0.02	-0.25	0.00	-0.02	-0.00	CO 16
				Max M _z	-1.48	0.00	-0.14	0.00	0.01	0.00	CO 25
				Min M _z	-4.69	-0.02	-0.25	0.00	-0.02	-0.00	CO 16
				Max N	-1.45	0.00	-0.14	0.00	0.00	0.00	CO 28
				Min N	-4.72	-0.02	-0.26	0.00	-0.01	-0.00	CO 17
				Max V _y	-1.48	0.00	-0.14	0.00	0.01	0.00	CO 25
				Min V _y	-4.69	-0.02	-0.25	0.00	-0.02	-0.00	CO 16
				Max V _z	-1.45	0.00	-0.14	0.00	0.00	0.00	CO 28
				Min V _z	-4.72	-0.02	-0.26	0.00	-0.01	-0.00	CO 19
				Max M _T	-4.71	-0.02	-0.26	0.00	-0.01	-0.00	CO 21
				Min M _T	-1.47	0.00	-0.14	0.00	0.00	0.00	CO 24
				Max M _y	-1.48	0.00	-0.14	0.00	0.01	0.00	CO 25
				Min M _y	-4.69	-0.02	-0.25	0.00	-0.02	-0.00	CO 16
				Max M _z	-1.48	0.00	-0.14	0.00	0.01	0.00	CO 25
				Min M _z	-4.69	-0.02	-0.25	0.00	-0.02	-0.00	CO 16
				Max N	-1.68	0.00	0.29	0.00	0.07	0.00	CO 28
				Min N	-4.95	-0.02	1.13	0.00	0.32	0.01	CO 17
				Max V _y	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25
				Min V _y	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16
				Max V _z	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16
				Min V _z	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25
				Max M _T	-4.94	-0.02	1.13	0.00	0.33	0.02	CO 21
				Min M _T	-1.70	0.00	0.29	0.00	0.07	0.00	CO 24
				Max M _y	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16
				Min M _y	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25
				Max M _z	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16
				Min M _z	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25
				Max N	-1.68	0.00	0.29	0.00	0.07	0.00	CO 28
				Min N	-4.95	-0.02	1.13	0.00	0.32	0.01	CO 17
				Max V _y	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25
				Min V _y	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16
				Max V _z	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16
				Min V _z	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25
				Max M _T	-4.94	-0.02	1.13	0.00	0.33	0.02	CO 21
				Min M _T	-1.70	0.00	0.29	0.00	0.07	0.00	CO 24
				Max M _y	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16
				Min M _y	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25
				Max M _z	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16
				Min M _z	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25
				Max N	-1.68	0.00	0.29	0.00	0.07	0.00	CO 28
				Min N	-4.95	-0.02	1.13	0.00	0.32	0.01	CO 17
				Max V _y	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25
				Min V _y	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16
				Max V _z	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16
				Min V _z	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25
				Max M _T	-4.94	-0.02	1.13	0.00	0.33	0.02	CO 21
				Min M _T	-1.70	0.00	0.29	0.00	0.07	0.00	CO 24
				Max M _y	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16
Min M _y	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25				
Max M _z	-4.92	-0.02	1.14	0.00	0.33	0.02	CO 16				
Min M _z	-1.71	0.00	0.28	0.00	0.07	-0.00	CO 25				
Max N	-2.66	0.01	-0.26	0.00	0.03	0.01	LC 1-4				
Min N	-4.68	-0.03	-0.22	0.00	0.04	-0.01	LC 1-5				
Max V _y	-3.01	0.03	-0.36	0.00	0.08	0.02	LC 1-5				
Min V _y	-4.34	-0.05	-0.12	0.00	-0.02	-0.02	LC 1-4				
Max V _z	-3.48	-0.05	-0.08	0.00	-0.05	-0.02	LC 1-4				
Min V _z	-3.87	0.02	-0.40	0.00	0.12	0.01	LC 1-5				
Max M _T	-4.55	-0.04	-0.16	0.00	0.01	-0.02	LC 1-4				
Min M _T	-2.79	0.02	-0.32	0.00	0.06	0.01	LC 1-5				
Max M _y	-3.95	0.02	-0.40	0.00	0.12	0.01	LC 1-5				
Min M _y	-3.40	-0.05	-0.08	0.00	-0.06	-0.02	LC 1-4				
Max M _z	-2.98	0.03	-0.36	0.00	0.08	0.02	LC 1-5				
Min M _z	-4.36	-0.05	-0.12	0.00	-0.02	-0.02	LC 1-4				
Max N	-2.66	0.01	-0.26	0.00	0.03	0.01	LC 1-4				
Min N	-4.68	-0.03	-0.22	0.00	0.04	-0.01	LC 1-5				
Max V _y	-3.01	0.03	-0.36	0.00	0.08	0.02	LC 1-5				
Min V _y	-4.34	-0.05	-0.12	0.00	-0.02	-0.02	LC 1-4				
Max V _z	-3.48	-0.05	-0.08	0.00	-0.05	-0.02	LC 1-4				
Min V _z	-3.87	0.02	-0.40	0.00	0.12	0.01	LC 1-5				
Max M _T	-4.55	-0.04	-0.16	0.00	0.01	-0.02	LC 1-4				
Min M _T	-2.79	0.02	-0.32	0.00	0.06	0.01	LC 1-5				
Max M _y	-3.95	0.02	-0.40	0.00	0.12	0.01	LC 1-5				
Min M _y	-3.40	-0.05	-0.08	0.00	-0.06	-0.02	LC 1-4				
Max M _z	-2.98	0.03	-0.36	0.00	0.08	0.02	LC 1-5				
Min M _z	-4.36	-0.05	-0.12	0.00	-0.02	-0.02	LC 1-4				
Max N	-2.66	0.01	-0.20	0.00	-0.02	0.01	LC 1-4				
Min N	-4.69	-0.03	-0.15	0.00	0.00	-0.01	LC 1-5				
Max V _y	-3.01	0.03	-0.30	0.00	0.02	0.01	LC 1-5				
Min V _y	-4.34	-0.05	-0.06	0.00	-0.04	-0.01	LC 1-4				
Max V _z	-3.48	-0.05	-0.02	0.00	-0.07	-0.01	LC 1-4				
Min V _z	-3.87	0.02	-0.34	0.00	0.05	0.01	LC 1-5				
Max M _T	-4.56	-0.04	-0.10	0.00	-0.02	-0.01	LC 1-4				
Min M _T	-2.79	0.02	-0.26	0.00	0.00	0.01	LC 1-5				
Max M _y	-4.01	0.02	-0.33	0.00	0.05	0.01	LC 1-5				
Min M _y	-3.34	-0.04	-0.02	0.00	-0.07	-0.01	LC 1-4				
Max M _z	-2.97	0.03	-0.29	0.00	0.02	0.01	LC 1-5				
Min M _z	-4.38	-0.05	-0.06	0.00	-0.03	-0.01	LC 1-4				
Max N	-2.66	0.01	-0.20	0.00	-0.02	0.01	LC 1-4				
Min N	-4.69	-0.03	-0.15	0.00	0.00	-0.01	LC 1-5				
Max V _y	-3.01	0.03	-0.30	0.00	0.02	0.01	LC 1-5				
Min V _y	-4.34	-0.05	-0.06	0.00	-0.04	-0.01	LC 1-4				
Max V _z	-3.48	-0.05	-0.02	0.00	-0.07	-0.01	LC 1-4				



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding		
					N	V _y	V _z	M _T	M _y	M _z	Load Cases		
144	RC6			1.054 Left	Min V _z	-3.87	0.02	▷	-0.34	0.00	0.05	0.01 LC 1-5	
					Max M _T	-4.56	-0.04	▷	-0.10	0.00	-0.02	-0.01 LC 1-4	
					Min M _T	-2.79	0.02	▷	-0.26	0.00	0.00	0.01 LC 1-5	
					Max M _y	-4.01	0.02	▷	-0.33	0.00	0.05	0.01 LC 1-5	
					Min M _y	-3.34	-0.04	▷	-0.02	0.00	-0.07	-0.01 LC 1-4	
					Max M _z	-2.97	0.03	▷	-0.29	0.00	0.02	0.01 LC 1-5	
					Min M _z	-4.38	-0.05	▷	-0.06	0.00	-0.03	-0.01 LC 1-4	
					Max N	-2.68	0.01	▷	0.80	0.00	0.20	0.00 LC 1-4	
					Min N	-4.70	-0.03	▷	0.85	0.00	0.26	0.02 LC 1-5	
					Max V _y	-3.03	0.03	▷	0.70	0.00	0.15	-0.01 LC 1-5	
					Min V _y	-4.35	-0.05	▷	0.94	0.00	0.30	0.03 LC 1-4	
					Max V _z	-3.50	-0.05	▷	0.98	0.00	0.31	0.03 LC 1-4	
					Min V _z	-3.88	0.02	▷	0.66	0.00	0.15	-0.01 LC 1-5	
					Max M _T	-4.57	-0.04	▷	0.90	0.00	0.29	0.03 LC 1-4	
					Min M _T	-2.81	0.02	▷	0.74	0.00	0.17	-0.01 LC 1-5	
					Max M _y	-3.55	-0.05	▷	0.98	0.00	0.31	0.03 LC 1-4	
					Min M _y	-3.83	0.02	▷	0.66	0.00	0.15	-0.01 LC 1-5	
					Max M _z	-3.58	-0.05	▷	0.98	0.00	0.31	0.03 LC 1-4	
					Min M _z	-3.80	0.02	▷	0.67	0.00	0.15	-0.01 LC 1-5	
				99	1.054 Right	Max N	-2.68	0.01	▷	0.80	0.00	0.20	0.00 LC 1-4
						Min N	-4.70	-0.03	▷	0.85	0.00	0.26	0.02 LC 1-5
						Max V _y	-3.03	0.03	▷	0.70	0.00	0.15	-0.01 LC 1-5
						Min V _y	-4.35	-0.05	▷	0.94	0.00	0.30	0.03 LC 1-4
						Max V _z	-3.50	-0.05	▷	0.98	0.00	0.31	0.03 LC 1-4
						Min V _z	-3.88	0.02	▷	0.66	0.00	0.15	-0.01 LC 1-5
						Max M _T	-4.57	-0.04	▷	0.90	0.00	0.29	0.03 LC 1-4
						Min M _T	-2.81	0.02	▷	0.74	0.00	0.17	-0.01 LC 1-5
						Max M _y	-3.55	-0.05	▷	0.98	0.00	0.31	0.03 LC 1-4
						Min M _y	-3.83	0.02	▷	0.66	0.00	0.15	-0.01 LC 1-5
						Max M _z	-3.58	-0.05	▷	0.98	0.00	0.31	0.03 LC 1-4
						Min M _z	-3.80	0.02	▷	0.67	0.00	0.15	-0.01 LC 1-5
146	RC1	100	0.000 Left	Max N	-0.00	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 13		
				Min N	-0.94	0.00	▷	-4.76	0.00	3.46	0.00 CO 6		
				Max V _y	-0.83	0.00	▷	-4.76	0.00	3.46	0.00 CO 8		
				Min V _y	-0.09	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 9		
				Max V _z	-0.00	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 13		
				Min V _z	-0.94	0.00	▷	-4.76	0.00	3.46	0.00 CO 6		
				Max M _T	-0.92	0.00	▷	-4.76	0.00	3.46	0.00 CO 4		
				Min M _T	-0.00	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 13		
				Max M _y	-0.94	0.00	▷	-4.76	0.00	3.46	0.00 CO 6		
				Min M _y	-0.00	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 13		
				Max M _z	-0.83	0.00	▷	-4.76	0.00	3.46	0.00 CO 8		
				Min M _z	-0.09	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 9		
			0.000 Right	Max N	-0.00	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 13		
				Min N	-0.94	0.00	▷	-4.76	0.00	3.46	0.00 CO 6		
				Max V _y	-0.83	0.00	▷	-4.76	0.00	3.46	0.00 CO 8		
				Min V _y	-0.09	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 9		
				Max V _z	-0.00	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 13		
				Min V _z	-0.94	0.00	▷	-4.76	0.00	3.46	0.00 CO 6		
				Max M _T	-0.92	0.00	▷	-4.76	0.00	3.46	0.00 CO 4		
				Min M _T	-0.00	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 13		
				Max M _y	-0.94	0.00	▷	-4.76	0.00	3.46	0.00 CO 6		
				Min M _y	-0.00	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 13		
				Max M _z	-0.83	0.00	▷	-4.76	0.00	3.46	0.00 CO 8		
				Min M _z	-0.09	-0.00	▷	-1.58	-0.00	1.12	-0.00 CO 9		
			3.115 Left	Max N	1.18	-0.00	▷	0.66	-0.00	-0.30	0.00 CO 13		
				Min N	0.27	0.01	▷	1.95	0.00	-0.89	-0.01 CO 6		
				Max V _y	0.37	0.01	▷	1.95	0.00	-0.89	-0.01 CO 8		
				Min V _y	1.10	-0.00	▷	0.66	-0.00	-0.30	0.00 CO 9		
				Max V _z	0.27	0.01	▷	1.95	0.00	-0.89	-0.01 CO 6		
				Min V _z	1.16	-0.00	▷	0.66	-0.00	-0.30	0.00 CO 14		
				Max M _T	0.29	0.01	▷	1.95	0.00	-0.89	-0.01 CO 4		
Min M _T	1.18	-0.00		▷	0.66	-0.00	-0.30	0.00 CO 13					
Max M _y	1.08	-0.00		▷	0.66	-0.00	-0.30	0.00 CO 10					
Min M _y	0.29	0.01		▷	1.95	0.00	-0.89	-0.01 CO 5					
Max M _z	1.10	-0.00		▷	0.66	-0.00	-0.30	0.00 CO 9					
Min M _z	0.37	0.01		▷	1.95	0.00	-0.89	-0.01 CO 8					
3.115 Right	Max N	1.18		-0.00	▷	0.66	-0.00	-0.30	0.00 CO 13				
	Min N	0.27		0.01	▷	1.95	0.00	-0.89	-0.01 CO 6				
	Max V _y	0.37		0.01	▷	1.95	0.00	-0.89	-0.01 CO 8				
	Min V _y	1.10		-0.00	▷	0.66	-0.00	-0.30	0.00 CO 9				
	Max V _z	0.27		0.01	▷	1.95	0.00	-0.89	-0.01 CO 6				
	Min V _z	1.16	-0.00	▷	0.66	-0.00	-0.30	0.00 CO 14					
	Max M _T	0.29	0.01	▷	1.95	0.00	-0.89	-0.01 CO 4					
	Min M _T	1.18	-0.00	▷	0.66	-0.00	-0.30	0.00 CO 13					
	Max M _y	1.08	-0.00	▷	0.66	-0.00	-0.30	0.00 CO 10					
	Min M _y	0.29	0.01	▷	1.95	0.00	-0.89	-0.01 CO 5					
	Max M _z	1.10	-0.00	▷	0.66	-0.00	-0.30	0.00 CO 9					
	Min M _z	0.37	0.01	▷	1.95	0.00	-0.89	-0.01 CO 8					
	4.294 Left	Max N	1.63	-0.00	▷	1.51	-0.00	0.97	0.00 CO 13				
		Min N	0.71	0.01	▷	3.63	0.00	2.56	-0.01 CO 6				
		Max V _y	0.81	0.01	▷	3.63	0.00	2.56	-0.01 CO 8				
Min V _y		1.54	-0.00	▷	1.51	-0.00	0.98	0.00 CO 9					
Max V _z		0.73	0.01	▷	3.63	0.00	2.56	-0.01 CO 5					
Min V _z		1.61	-0.00	▷	1.51	-0.00	0.98	0.00 CO 14					
Max M _T		0.73	0.01	▷	3.63	0.00	2.56	-0.01 CO 4					
Min M _T		1.63	-0.00	▷	1.51	-0.00	0.97	0.00 CO 13					
Max M _y		0.71	0.01	▷	3.63	0.00	2.56	-0.01 CO 6					
Min M _y		1.63	-0.00	▷	1.51	-0.00	0.97	0.00 CO 13					
Max M _z		1.54	-0.00	▷	1.51	-0.00	0.98	0.00 CO 9					
Min M _z		0.81	0.01	▷	3.63	0.00	2.56	-0.01 CO 8					
101		4.294	Max N	1.63	-0.00	▷	1.51	-0.00	0.97	0.00 CO 13			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
146	RC1		Right	Min N	0.71	0.01	3.63	0.00	2.56	-0.01	CO 6
				Max V _y	0.81	0.01	3.63	0.00	2.56	-0.01	CO 8
				Min V _y	1.54	-0.00	1.51	-0.00	0.98	0.00	CO 9
				Max V _z	0.73	0.01	3.63	0.00	2.56	-0.01	CO 5
				Min V _z	1.61	-0.00	1.51	-0.00	0.98	0.00	CO 14
				Max M _T	0.73	0.01	3.63	0.00	2.56	-0.01	CO 4
				Min M _T	1.63	-0.00	1.51	-0.00	0.97	0.00	CO 13
				Max M _y	0.71	0.01	3.63	0.00	2.56	-0.01	CO 6
				Min M _y	1.63	-0.00	1.51	-0.00	0.97	0.00	CO 13
				Max M _z	1.54	-0.00	1.51	-0.00	0.98	0.00	CO 9
	RC2	100	0.000 Left	Min M _z	0.81	0.01	3.63	0.00	2.56	-0.01	CO 8
				Max N	-0.01	-0.00	-1.06	-0.00	0.75	-0.00	CO 27
				Min N	-0.71	0.00	-3.41	0.00	2.48	0.00	CO 20
				Max V _y	-0.64	0.00	-3.41	0.00	2.48	0.00	CO 22
				Min V _y	-0.07	-0.00	-1.06	-0.00	0.75	-0.00	CO 23
				Max V _z	-0.01	-0.00	-1.06	-0.00	0.75	-0.00	CO 27
				Min V _z	-0.64	0.00	-3.41	0.00	2.48	0.00	CO 22
				Max M _T	-0.70	0.00	-3.41	0.00	2.48	0.00	CO 18
				Min M _T	-0.01	-0.00	-1.06	-0.00	0.75	-0.00	CO 27
				Max M _y	-0.71	0.00	-3.41	0.00	2.48	0.00	CO 20
			0.000 Right	Min M _y	-0.01	-0.00	-1.06	-0.00	0.75	-0.00	CO 27
				Max M _z	-0.64	0.00	-3.41	0.00	2.48	0.00	CO 22
				Min M _z	-0.07	-0.00	-1.06	-0.00	0.75	-0.00	CO 23
				Max N	-0.01	-0.00	-1.06	-0.00	0.75	-0.00	CO 27
				Min N	-0.71	0.00	-3.41	0.00	2.48	0.00	CO 20
				Max V _y	-0.64	0.00	-3.41	0.00	2.48	0.00	CO 22
				Min V _y	-0.07	-0.00	-1.06	-0.00	0.75	-0.00	CO 23
				Max V _z	-0.01	-0.00	-1.06	-0.00	0.75	-0.00	CO 27
				Min V _z	-0.64	0.00	-3.41	0.00	2.48	0.00	CO 22
				Max M _T	-0.70	0.00	-3.41	0.00	2.48	0.00	CO 18
			3.115 Left	Min M _T	-0.01	-0.00	-1.06	-0.00	0.75	-0.00	CO 27
				Max M _y	-0.71	0.00	-3.41	0.00	2.48	0.00	CO 20
				Min M _y	-0.01	-0.00	-1.06	-0.00	0.75	-0.00	CO 27
				Max M _z	-0.64	0.00	-3.41	0.00	2.48	0.00	CO 22
				Min M _z	-0.07	-0.00	-1.06	-0.00	0.75	-0.00	CO 23
				Max N	0.78	-0.00	0.44	-0.00	-0.20	0.00	CO 27
				Min N	0.09	0.00	1.40	0.00	-0.64	-0.00	CO 20
				Max V _y	0.17	0.00	1.40	0.00	-0.64	-0.00	CO 22
				Min V _y	0.72	-0.00	0.45	-0.00	-0.20	0.00	CO 23
				Max V _z	0.10	0.00	1.40	0.00	-0.64	-0.00	CO 19
			3.115 Right	Min V _z	0.77	-0.00	0.44	-0.00	-0.20	0.00	CO 28
				Max M _T	0.10	0.00	1.40	0.00	-0.64	-0.00	CO 18
				Min M _T	0.78	-0.00	0.44	-0.00	-0.20	0.00	CO 27
				Max M _y	0.70	-0.00	0.44	-0.00	-0.20	0.00	CO 26
				Min M _y	0.12	0.00	1.40	0.00	-0.64	-0.00	CO 17
				Max M _z	0.72	-0.00	0.45	-0.00	-0.20	0.00	CO 23
				Min M _z	0.17	0.00	1.40	0.00	-0.64	-0.00	CO 22
				Max N	0.78	-0.00	0.44	-0.00	-0.20	0.00	CO 27
				Min N	0.09	0.00	1.40	0.00	-0.64	-0.00	CO 20
				Max V _y	0.17	0.00	1.40	0.00	-0.64	-0.00	CO 22
			4.294 Left	Min V _y	0.72	-0.00	0.45	-0.00	-0.20	0.00	CO 23
				Max V _z	0.10	0.00	1.40	0.00	-0.64	-0.00	CO 19
				Min V _z	0.77	-0.00	0.44	-0.00	-0.20	0.00	CO 28
				Max M _T	0.10	0.00	1.40	0.00	-0.64	-0.00	CO 18
				Min M _T	0.78	-0.00	0.44	-0.00	-0.20	0.00	CO 27
				Max M _y	0.70	-0.00	0.45	-0.00	-0.20	0.00	CO 26
				Min M _y	0.12	0.00	1.40	0.00	-0.64	-0.00	CO 17
				Max M _z	0.72	-0.00	0.45	-0.00	-0.20	0.00	CO 23
				Min M _z	0.17	0.00	1.40	0.00	-0.64	-0.00	CO 22
				Max N	1.08	-0.00	1.02	-0.00	0.66	0.00	CO 27
	RC6	100	4.294 Right	Min N	0.39	0.01	2.59	0.00	1.83	-0.01	CO 20
				Max V _y	0.46	0.01	2.59	0.00	1.83	-0.01	CO 22
				Min V _y	1.02	-0.00	1.02	-0.00	0.66	0.00	CO 23
				Max V _z	0.40	0.01	2.59	0.00	1.83	-0.01	CO 19
				Min V _z	1.07	-0.00	1.02	-0.00	0.66	0.00	CO 28
				Max M _T	0.40	0.01	2.59	0.00	1.83	-0.01	CO 18
				Min M _T	1.07	-0.00	1.02	-0.00	0.66	0.00	CO 28
				Max M _y	0.39	0.01	2.59	0.00	1.83	-0.01	CO 20
				Min M _y	1.08	-0.00	1.02	-0.00	0.66	0.00	CO 27
				Max M _z	1.02	-0.00	1.02	-0.00	0.66	0.00	CO 23
			0.000 Left	Min M _z	0.46	0.01	2.59	0.00	1.83	-0.01	CO 22
				Max N	2.48	0.01	-2.42	0.00	1.75	0.01	LC 1-4
				Min N	-4.07	-0.01	-2.38	0.00	1.70	-0.01	LC 1-5
				Max V _y	0.41	0.02	-2.45	0.00	1.78	0.02	LC 1-5
				Min V _y	-1.99	-0.01	-2.36	0.00	1.67	-0.02	LC 1-4
				Max V _z	-1.95	-0.01	-2.34	0.00	1.65	-0.02	LC 1-5
				Min V _z	0.36	0.01	-2.46	0.00	1.80	0.02	LC 1-4
				Max M _T	-2.61	-0.01	-2.39	0.00	1.71	-0.01	LC 1-4
				Min M _T	1.03	0.01	-2.42	0.00	1.74	0.02	LC 1-5
				Max M _y	0.13	0.01	-2.46	0.00	1.80	0.02	LC 1-5

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
146	RC6		0.000 Right	Min M _y	-1.72	-0.01	-2.35	0.00	1.65	-0.02	LC 1-4	
				Max M _z	0.35	0.02	-2.45	0.00	1.78	0.02	LC 1-5	
				Min M _z	-1.94	-0.01	-2.36	0.00	1.67	-0.02	LC 1-4	
				Max N	2.48	0.01	-2.42	0.00	1.75	0.01	LC 1-4	
				Min N	-4.07	-0.01	-2.38	0.00	1.70	-0.01	LC 1-5	
				Max V _y	0.41	0.02	-2.45	0.00	1.78	0.02	LC 1-5	
				Min V _y	-1.99	-0.01	-2.36	0.00	1.67	-0.02	LC 1-4	
				Max V _z	-1.95	-0.01	-2.34	0.00	1.65	-0.02	LC 1-5	
				Min V _z	0.36	0.01	-2.46	0.00	1.80	0.02	LC 1-4	
				Max M _T	-2.61	-0.01	-2.39	0.00	1.71	-0.01	LC 1-4	
				Min M _T	1.03	0.01	-2.42	0.00	1.74	0.02	LC 1-5	
				Max M _y	0.13	0.01	-2.46	0.00	1.80	0.02	LC 1-5	
				Min M _y	-1.72	-0.01	-2.35	0.00	1.65	-0.02	LC 1-4	
				Max M _z	0.35	0.02	-2.45	0.00	1.78	0.02	LC 1-5	
				Min M _z	-1.94	-0.01	-2.36	0.00	1.67	-0.02	LC 1-4	
				Max N	2.54	0.01	0.98	0.00	-0.49	-0.01	LC 1-4	
				Min N	-4.02	-0.01	1.02	0.00	-0.41	0.01	LC 1-5	
				Max V _y	0.46	0.02	0.95	0.00	-0.53	-0.03	LC 1-5	
				Min V _y	-1.94	-0.01	1.04	0.00	-0.37	0.02	LC 1-4	
				Max V _z	-1.90	-0.01	1.06	0.00	-0.35	0.02	LC 1-5	
				Min V _z	0.41	0.01	0.94	0.00	-0.56	-0.02	LC 1-4	
				Max M _T	-2.56	-0.01	1.01	0.00	-0.43	0.02	LC 1-4	
				Min M _T	1.08	0.01	0.98	0.00	-0.48	-0.02	LC 1-5	
				Max M _y	-1.96	-0.01	1.06	0.00	-0.35	0.02	LC 1-5	
				Min M _y	0.47	0.01	0.94	0.00	-0.56	-0.02	LC 1-4	
				Max M _z	-2.01	-0.01	1.04	0.00	-0.37	0.02	LC 1-4	
				Min M _z	0.52	0.02	0.95	0.00	-0.54	-0.03	LC 1-5	
				Max N	2.54	0.01	0.98	0.00	-0.49	-0.01	LC 1-4	
				Min N	-4.02	-0.01	1.02	0.00	-0.41	0.01	LC 1-5	
				Max V _y	0.46	0.02	0.95	0.00	-0.53	-0.03	LC 1-5	
				Min V _y	-1.94	-0.01	1.04	0.00	-0.37	0.02	LC 1-4	
				Max V _z	-1.90	-0.01	1.06	0.00	-0.35	0.02	LC 1-5	
				Min V _z	0.41	0.01	0.94	0.00	-0.56	-0.02	LC 1-4	
				Max M _T	-2.56	-0.01	1.01	0.00	-0.43	0.02	LC 1-4	
				Min M _T	1.08	0.01	0.98	0.00	-0.48	-0.02	LC 1-5	
				Max M _y	-1.96	-0.01	1.06	0.00	-0.35	0.02	LC 1-5	
				Min M _y	0.47	0.01	0.94	0.00	-0.56	-0.02	LC 1-4	
				Max M _z	-2.01	-0.01	1.04	0.00	-0.37	0.02	LC 1-4	
				Min M _z	0.52	0.02	0.95	0.00	-0.54	-0.03	LC 1-5	
				Max N	2.55	0.01	1.63	0.00	1.17	-0.02	LC 1-4	
				Min N	-4.00	-0.01	1.68	0.00	1.30	0.01	LC 1-5	
				Max V _y	0.48	0.02	1.61	0.00	1.10	-0.05	LC 1-5	
				Min V _y	-1.92	-0.01	1.70	0.00	1.37	0.04	LC 1-4	
				Max V _z	-1.88	-0.01	1.71	0.00	1.41	0.03	LC 1-5	
				Min V _z	0.43	0.01	1.60	0.00	1.06	-0.04	LC 1-4	
				Max M _T	-2.54	-0.01	1.67	0.00	1.28	0.03	LC 1-4	
				Min M _T	1.10	0.01	1.64	0.00	1.19	-0.04	LC 1-5	
				Max M _y	-1.92	-0.01	1.71	0.00	1.41	0.03	LC 1-5	
				Min M _y	0.47	0.01	1.60	0.00	1.06	-0.04	LC 1-4	
				Max M _z	-1.96	-0.01	1.70	0.00	1.37	0.04	LC 1-4	
				Min M _z	0.52	0.02	1.61	0.00	1.10	-0.05	LC 1-5	
				Max N	2.55	0.01	1.63	0.00	1.17	-0.02	LC 1-4	
				Min N	-4.00	-0.01	1.68	0.00	1.30	0.01	LC 1-5	
				Max V _y	0.48	0.02	1.61	0.00	1.10	-0.05	LC 1-5	
				Min V _y	-1.92	-0.01	1.70	0.00	1.37	0.04	LC 1-4	
				Max V _z	-1.88	-0.01	1.71	0.00	1.41	0.03	LC 1-5	
				Min V _z	0.43	0.01	1.60	0.00	1.06	-0.04	LC 1-4	
				Max M _T	-2.54	-0.01	1.67	0.00	1.28	0.03	LC 1-4	
				Min M _T	1.10	0.01	1.64	0.00	1.19	-0.04	LC 1-5	
				Max M _y	-1.92	-0.01	1.71	0.00	1.41	0.03	LC 1-5	
				Min M _y	0.47	0.01	1.60	0.00	1.06	-0.04	LC 1-4	
				Max M _z	-1.96	-0.01	1.70	0.00	1.37	0.04	LC 1-4	
				Min M _z	0.52	0.02	1.61	0.00	1.10	-0.05	LC 1-5	
149	RC1	30	0.000 Left	Max N	13.81	0.06	-0.98	0.00	0.46	0.01	CO 2	
				Min N	8.87	-0.01	-0.65	0.00	0.31	-0.01	CO 11	
				Max V _y	13.74	0.06	-0.98	0.00	0.46	0.01	CO 5	
				Min V _y	8.94	-0.01	-0.65	0.00	0.31	-0.01	CO 14	
				Max V _z	8.89	-0.01	-0.65	0.00	0.31	-0.01	CO 9	
				Min V _z	13.79	0.06	-0.98	0.00	0.46	0.01	CO 4	
				Max M _T	13.76	0.06	-0.98	0.00	0.46	0.01	CO 7	
				Min M _T	8.93	-0.01	-0.65	0.00	0.31	-0.01	CO 10	
				Max M _y	13.79	0.06	-0.98	0.00	0.46	0.01	CO 4	
				Min M _y	8.90	-0.01	-0.65	0.00	0.31	-0.01	CO 13	
				Max M _z	13.74	0.06	-0.98	0.00	0.46	0.01	CO 5	
				Min M _z	8.94	-0.01	-0.65	0.00	0.31	-0.01	CO 14	
				Max N	13.81	0.06	-0.98	0.00	0.46	0.01	CO 2	
				Min N	8.87	-0.01	-0.65	0.00	0.31	-0.01	CO 11	
				Max V _y	13.74	0.06	-0.98	0.00	0.46	0.01	CO 5	
				Min V _y	8.94	-0.01	-0.65	0.00	0.31	-0.01	CO 14	
				Max V _z	8.89	-0.01	-0.65	0.00	0.31	-0.01	CO 9	
				Min V _z	13.79	0.06	-0.98	0.00	0.46	0.01	CO 4	
				Max M _T	13.76	0.06	-0.98	0.00	0.46	0.01	CO 7	
				Min M _T	8.93	-0.01	-0.65	0.00	0.31	-0.01	CO 10	
				Max M _y	13.79	0.06	-0.98	0.00	0.46	0.01	CO 4	
				Min M _y	8.90	-0.01	-0.65	0.00	0.31	-0.01	CO 13	
				Max M _z	13.74	0.06	-0.98	0.00	0.46	0.01	CO 5	
				Min M _z	8.94	-0.01	-0.65	0.00	0.31	-0.01	CO 14	
				0.211 Left	Max N	13.88	0.04	-0.74	0.00	0.28	-0.01	CO 2
					Min N	8.94	-0.01	-0.49	0.00	0.19	-0.00	CO 11
					Max V _y	13.80	0.04	-0.74	0.00	0.28	-0.01	CO 5
					Min V _y	9.00	-0.01	-0.49	0.00	0.19	-0.00	CO 14
					Max V _z	8.95	-0.01	-0.49	0.00	0.19	-0.00	CO 9



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
149	RC1		0.211 Right	Min V _z	13.86	0.04	▷	-0.74	0.00	0.28	-0.01	CO 4
				Max M _T	13.83	0.04	▷	-0.74	0.00	0.28	-0.01	CO 7
				Min M _T	8.99	-0.01	▷	-0.49	0.00	0.19	-0.00	CO 10
				Max M _y	13.86	0.04	▷	-0.74	0.00	0.28	-0.01	CO 4
				Min M _y	8.96	-0.01	▷	-0.49	0.00	0.19	-0.00	CO 13
				Max M _z	8.95	-0.01	▷	-0.49	0.00	0.19	-0.00	CO 9
				Min M _z	13.88	0.04	▷	-0.74	0.00	0.28	-0.01	CO 2
				Max N	13.88	0.04	▷	-0.74	0.00	0.28	-0.01	CO 2
				Min N	8.94	-0.01	▷	-0.49	0.00	0.19	-0.00	CO 11
				Max V _y	13.80	0.04	▷	-0.74	0.00	0.28	-0.01	CO 5
				Min V _y	9.00	-0.01	▷	-0.49	0.00	0.19	-0.00	CO 14
				Max V _z	8.95	-0.01	▷	-0.49	0.00	0.19	-0.00	CO 9
				Min V _z	13.86	0.04	▷	-0.74	0.00	0.28	-0.01	CO 4
				Max M _T	13.83	0.04	▷	-0.74	0.00	0.28	-0.01	CO 7
				Min M _T	8.99	-0.01	▷	-0.49	0.00	0.19	-0.00	CO 10
				Max M _y	13.86	0.04	▷	-0.74	0.00	0.28	-0.01	CO 4
				Min M _y	8.96	-0.01	▷	-0.49	0.00	0.19	-0.00	CO 13
				Max M _z	8.95	-0.01	▷	-0.49	0.00	0.19	-0.00	CO 9
				Min M _z	13.88	0.04	▷	-0.74	0.00	0.28	-0.01	CO 2
				Max N	14.22	-0.04	▷	0.39	0.00	0.16	0.01	CO 2
				Min N	9.28	-0.00	▷	0.32	0.00	0.10	0.00	CO 11
				Max V _y	9.29	-0.00	▷	0.32	0.00	0.10	0.00	CO 9
				Min V _y	14.20	-0.04	▷	0.39	0.00	0.16	0.01	CO 8
				Max V _z	14.17	-0.04	▷	0.39	0.00	0.16	0.01	CO 7
				Min V _z	9.32	-0.00	▷	0.32	0.00	0.10	0.00	CO 12
				Max M _T	14.17	-0.04	▷	0.39	0.00	0.16	0.01	CO 7
				Min M _T	9.33	-0.00	▷	0.32	0.00	0.10	0.00	CO 10
				Max M _y	14.19	-0.04	▷	0.39	0.00	0.16	0.01	CO 4
				Min M _y	9.30	-0.00	▷	0.32	0.00	0.10	0.00	CO 13
				Max M _z	14.20	-0.04	▷	0.39	0.00	0.16	0.01	CO 8
				Min M _z	9.29	-0.00	▷	0.32	0.00	0.10	0.00	CO 9
				Max N	14.22	-0.04	▷	0.39	0.00	0.16	0.01	CO 2
				Min N	9.28	-0.00	▷	0.32	0.00	0.10	0.00	CO 11
				Max V _y	9.29	-0.00	▷	0.32	0.00	0.10	0.00	CO 9
				Min V _y	14.20	-0.04	▷	0.39	0.00	0.16	0.01	CO 8
				Max V _z	14.17	-0.04	▷	0.39	0.00	0.16	0.01	CO 7
				Min V _z	9.32	-0.00	▷	0.32	0.00	0.10	0.00	CO 12
				Max M _T	14.17	-0.04	▷	0.39	0.00	0.16	0.01	CO 7
				Min M _T	9.33	-0.00	▷	0.32	0.00	0.10	0.00	CO 10
				Max M _y	14.19	-0.04	▷	0.39	0.00	0.16	0.01	CO 4
				Min M _y	9.30	-0.00	▷	0.32	0.00	0.10	0.00	CO 13
				Max M _z	14.20	-0.04	▷	0.39	0.00	0.16	0.01	CO 8
				Min M _z	9.29	-0.00	▷	0.32	0.00	0.10	0.00	CO 9
				Max N	9.59	0.05	▷	-0.68	0.00	0.32	0.01	CO 16
				Min N	5.97	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 25
				Max V _y	9.53	0.05	▷	-0.68	0.00	0.32	0.01	CO 19
				Min V _y	6.01	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 28
				Max V _z	5.98	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 27
				Min V _z	9.57	0.05	▷	-0.68	0.00	0.32	0.01	CO 18
				Max M _T	9.55	0.05	▷	-0.68	0.00	0.32	0.01	CO 21
				Min M _T	6.00	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 24
				Max M _y	9.57	0.05	▷	-0.68	0.00	0.32	0.01	CO 18
				Min M _y	5.98	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 27
				Max M _z	9.53	0.05	▷	-0.68	0.00	0.32	0.01	CO 19
				Min M _z	6.01	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 28
				Max N	9.59	0.05	▷	-0.68	0.00	0.32	0.01	CO 16
				Min N	5.97	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 25
				Max V _y	9.53	0.05	▷	-0.68	0.00	0.32	0.01	CO 19
				Min V _y	6.01	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 28
				Max V _z	5.98	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 27
				Min V _z	9.57	0.05	▷	-0.68	0.00	0.32	0.01	CO 18
				Max M _T	9.55	0.05	▷	-0.68	0.00	0.32	0.01	CO 21
				Min M _T	6.00	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 24
				Max M _y	9.57	0.05	▷	-0.68	0.00	0.32	0.01	CO 18
				Min M _y	5.98	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 27
				Max M _z	9.53	0.05	▷	-0.68	0.00	0.32	0.01	CO 19
				Min M _z	6.01	-0.00	▷	-0.44	0.00	0.21	-0.00	CO 28
				Max N	9.63	0.03	▷	-0.52	0.00	0.19	-0.00	CO 16
				Min N	6.01	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 25
				Max V _y	9.58	0.03	▷	-0.52	0.00	0.19	-0.00	CO 19
				Min V _y	6.06	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 28
				Max V _z	6.03	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 27
				Min V _z	9.61	0.03	▷	-0.52	0.00	0.19	-0.00	CO 18
				Max M _T	9.60	0.03	▷	-0.52	0.00	0.19	-0.00	CO 21
				Min M _T	6.05	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 24
				Max M _y	9.61	0.03	▷	-0.52	0.00	0.19	-0.00	CO 18
				Min M _y	6.03	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 27
				Max M _z	6.01	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 25
				Min M _z	9.63	0.03	▷	-0.52	0.00	0.19	-0.00	CO 16
				Max N	9.63	0.03	▷	-0.52	0.00	0.19	-0.00	CO 16
				Min N	6.01	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 25
				Max V _y	9.58	0.03	▷	-0.52	0.00	0.19	-0.00	CO 19
				Min V _y	6.06	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 28
				Max V _z	6.03	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 27
				Min V _z	9.61	0.03	▷	-0.52	0.00	0.19	-0.00	CO 18
				Max M _T	9.60	0.03	▷	-0.52	0.00	0.19	-0.00	CO 21
				Min M _T	6.05	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 24
				Max M _y	9.61	0.03	▷	-0.52	0.00	0.19	-0.00	CO 18
				Min M _y	6.03	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 27
				Max M _z	6.01	-0.00	▷	-0.33	0.00	0.13	-0.00	CO 25
				Min M _z	9.63	0.03	▷	-0.52	0.00	0.19	-0.00	CO 16
				Max N	9.86	-0.03	▷	0.26	0.00	0.11	0.01	CO 16



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
149	RC2		Left	Min N	6.24	-0.00	0.21	0.00	0.07	0.00	CO 25
				Max V _y	6.25	-0.00	0.21	0.00	0.07	0.00	CO 23
				Min V _y	9.85	-0.03	0.26	0.00	0.11	0.01	CO 22
				Max V _z	9.82	-0.03	0.27	0.00	0.11	0.01	CO 21
				Min V _z	6.28	-0.00	0.21	0.00	0.07	0.00	CO 24
				Max M _T	9.82	-0.03	0.27	0.00	0.11	0.01	CO 21
				Min M _T	6.28	-0.00	0.21	0.00	0.07	0.00	CO 24
				Max M _y	9.84	-0.03	0.26	0.00	0.11	0.01	CO 18
				Min M _y	6.26	-0.00	0.21	0.00	0.07	0.00	CO 27
				Max M _z	9.85	-0.03	0.26	0.00	0.11	0.01	CO 22
				Min M _z	6.25	-0.00	0.21	0.00	0.07	0.00	CO 23
		144	1.284 Right	Max N	9.86	-0.03	0.26	0.00	0.11	0.01	CO 16
				Min N	6.24	-0.00	0.21	0.00	0.07	0.00	CO 25
				Max V _y	6.25	-0.00	0.21	0.00	0.07	0.00	CO 23
				Min V _y	9.85	-0.03	0.26	0.00	0.11	0.01	CO 22
				Max V _z	9.82	-0.03	0.27	0.00	0.11	0.01	CO 21
				Min V _z	6.28	-0.00	0.21	0.00	0.07	0.00	CO 24
				Max M _T	9.82	-0.03	0.27	0.00	0.11	0.01	CO 21
				Min M _T	6.28	-0.00	0.21	0.00	0.07	0.00	CO 24
				Max M _y	9.84	-0.03	0.26	0.00	0.11	0.01	CO 18
				Min M _y	6.26	-0.00	0.21	0.00	0.07	0.00	CO 27
				Max M _z	9.85	-0.03	0.26	0.00	0.11	0.01	CO 22
				Min M _z	6.25	-0.00	0.21	0.00	0.07	0.00	CO 23
	RC6	30	0.000 Left	Max N	6.71	0.05	-0.30	0.00	0.16	0.01	LC 1-4
				Min N	1.64	0.05	-0.29	0.00	0.14	0.01	LC 1-5
				Max V _y	4.89	0.05	-0.28	0.00	0.14	0.01	LC 1-5
				Min V _y	3.45	0.05	-0.31	0.00	0.16	0.01	LC 1-4
				Max V _z	4.52	0.05	-0.28	0.00	0.13	0.01	LC 1-5
				Min V _z	3.82	0.05	-0.32	0.00	0.17	0.01	LC 1-4
				Max M _T	3.45	0.05	-0.31	0.00	0.16	0.01	LC 1-4
				Min M _T	4.89	0.05	-0.28	0.00	0.14	0.01	LC 1-5
				Max M _y	5.46	0.05	-0.31	0.00	0.17	0.01	LC 1-4
				Min M _y	2.88	0.05	-0.28	0.00	0.13	0.01	LC 1-5
				Max M _z	4.55	0.05	-0.28	0.00	0.14	0.01	LC 1-5
				Min M _z	3.79	0.05	-0.32	0.00	0.17	0.01	LC 1-4
			0.000 Right	Max N	6.71	0.05	-0.30	0.00	0.16	0.01	LC 1-4
				Min N	1.64	0.05	-0.29	0.00	0.14	0.01	LC 1-5
				Max V _y	4.89	0.05	-0.28	0.00	0.14	0.01	LC 1-5
				Min V _y	3.45	0.05	-0.31	0.00	0.16	0.01	LC 1-4
				Max V _z	4.52	0.05	-0.28	0.00	0.13	0.01	LC 1-5
				Min V _z	3.82	0.05	-0.32	0.00	0.17	0.01	LC 1-4
				Max M _T	3.45	0.05	-0.31	0.00	0.16	0.01	LC 1-4
				Min M _T	4.89	0.05	-0.28	0.00	0.14	0.01	LC 1-5
				Max M _y	5.46	0.05	-0.31	0.00	0.17	0.01	LC 1-4
				Min M _y	2.88	0.05	-0.28	0.00	0.13	0.01	LC 1-5
				Max M _z	4.55	0.05	-0.28	0.00	0.14	0.01	LC 1-5
				Min M _z	3.79	0.05	-0.32	0.00	0.17	0.01	LC 1-4
			0.211 Left	Max N	6.71	0.04	-0.24	0.00	0.10	-0.00	LC 1-4
				Min N	1.64	0.04	-0.23	0.00	0.08	-0.00	LC 1-5
				Max V _y	4.89	0.04	-0.22	0.00	0.08	-0.00	LC 1-5
				Min V _y	3.45	0.03	-0.26	0.00	0.10	-0.00	LC 1-4
				Max V _z	4.52	0.04	-0.22	0.00	0.08	-0.00	LC 1-5
				Min V _z	3.82	0.03	-0.26	0.00	0.11	-0.00	LC 1-4
				Max M _T	3.45	0.03	-0.26	0.00	0.10	-0.00	LC 1-4
				Min M _T	4.90	0.04	-0.22	0.00	0.09	-0.00	LC 1-5
				Max M _y	5.52	0.04	-0.25	0.00	0.11	-0.00	LC 1-4
				Min M _y	2.83	0.04	-0.23	0.00	0.08	-0.00	LC 1-5
				Max M _z	4.35	0.04	-0.22	0.00	0.08	-0.00	LC 1-5
				Min M _z	4.00	0.03	-0.26	0.00	0.11	-0.00	LC 1-4
			0.211 Right	Max N	6.71	0.04	-0.24	0.00	0.10	-0.00	LC 1-4
				Min N	1.64	0.04	-0.23	0.00	0.08	-0.00	LC 1-5
				Max V _y	4.89	0.04	-0.22	0.00	0.08	-0.00	LC 1-5
				Min V _y	3.45	0.03	-0.26	0.00	0.10	-0.00	LC 1-4
				Max V _z	4.52	0.04	-0.22	0.00	0.08	-0.00	LC 1-5
				Min V _z	3.82	0.03	-0.26	0.00	0.11	-0.00	LC 1-4
				Max M _T	3.45	0.03	-0.26	0.00	0.10	-0.00	LC 1-4
				Min M _T	4.90	0.04	-0.22	0.00	0.09	-0.00	LC 1-5
				Max M _y	5.52	0.04	-0.25	0.00	0.11	-0.00	LC 1-4
				Min M _y	2.83	0.04	-0.23	0.00	0.08	-0.00	LC 1-5
				Max M _z	4.35	0.04	-0.22	0.00	0.08	-0.00	LC 1-5
				Min M _z	4.00	0.03	-0.26	0.00	0.11	-0.00	LC 1-4
		144	1.284 Left	Max N	6.72	-0.03	0.02	0.00	0.03	0.01	LC 1-4
				Min N	1.65	-0.03	0.03	0.00	0.02	0.01	LC 1-5
				Max V _y	4.91	-0.03	0.04	0.00	0.04	0.01	LC 1-5
				Min V _y	3.47	-0.03	0.01	0.00	0.02	0.01	LC 1-4
				Max V _z	4.54	-0.03	0.05	0.00	0.04	0.01	LC 1-5
				Min V _z	3.84	-0.03	0.01	0.00	0.02	0.01	LC 1-4
				Max M _T	3.47	-0.03	0.01	0.00	0.02	0.01	LC 1-4
				Min M _T	4.91	-0.03	0.04	0.00	0.04	0.01	LC 1-5
				Max M _y	6.10	-0.03	0.04	0.00	0.04	0.01	LC 1-4
				Min M _y	2.28	-0.03	0.02	0.00	0.02	0.01	LC 1-5
				Max M _z	3.22	-0.03	0.01	0.00	0.02	0.01	LC 1-4
				Min M _z	5.15	-0.03	0.04	0.00	0.04	0.01	LC 1-5
			1.284 Right	Max N	6.72	-0.03	0.02	0.00	0.03	0.01	LC 1-4
				Min N	1.65	-0.03	0.03	0.00	0.02	0.01	LC 1-5
				Max V _y	4.91	-0.03	0.04	0.00	0.04	0.01	LC 1-5
				Min V _y	3.47	-0.03	0.01	0.00	0.02	0.01	LC 1-4
				Max V _z	4.54	-0.03	0.05	0.00	0.04	0.01	LC 1-5
				Min V _z	3.84	-0.03	0.01	0.00	0.02	0.01	LC 1-4
				Max M _T	3.47	-0.03	0.01	0.00	0.02	0.01	LC 1-4
				Min M _T	4.91	-0.03	0.04	0.00	0.04	0.01	LC 1-5
				Max M _y	6.10	-0.03	0.04	0.00	0.04	0.01	LC 1-4
				Min M _y	2.28	-0.03	0.02	0.00	0.02	0.01	LC 1-5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
149	RC6				Min M _y	2.28	-0.03	0.02	0.00	0.02	0.01	LC 1-5
					Max M _z	3.22	-0.03	0.01	0.00	0.02	0.01	LC 1-4
					Min M _z	5.15	-0.03	0.04	0.00	0.04	0.01	LC 1-5
151	RC1	76	0.000 Left		Max N	-0.28	-0.00	-0.50	0.00	0.10	-0.00	CO 12
				Min N	-5.82	0.01	-3.63	0.00	1.07	0.02	CO 1	
				Max V _y	-5.82	0.01	-3.63	0.00	1.07	0.02	CO 1	
				Min V _y	-0.28	-0.00	-0.50	0.00	0.10	-0.00	CO 12	
				Max V _z	-0.35	-0.00	-0.50	0.00	0.10	-0.00	CO 13	
				Min V _z	-5.75	0.01	-3.63	0.00	1.08	0.02	CO 4	
				Max M _T	-5.80	0.01	-3.63	0.00	1.08	0.02	CO 2	
				Min M _T	-0.30	-0.00	-0.50	0.00	0.10	-0.00	CO 11	
				Max M _y	-5.80	0.01	-3.63	0.00	1.08	0.02	CO 2	
				Min M _y	-0.35	-0.00	-0.50	0.00	0.10	-0.00	CO 13	
				Max M _z	-5.82	0.01	-3.63	0.00	1.07	0.02	CO 1	
				Min M _z	-0.28	-0.00	-0.50	0.00	0.10	-0.00	CO 12	
			0.000 Right	Max N	-0.28	-0.00	-0.50	0.00	0.10	-0.00	CO 12	
				Min N	-5.82	0.01	-3.63	0.00	1.07	0.02	CO 1	
				Max V _y	-5.82	0.01	-3.63	0.00	1.07	0.02	CO 1	
				Min V _y	-0.28	-0.00	-0.50	0.00	0.10	-0.00	CO 12	
				Max V _z	-0.35	-0.00	-0.50	0.00	0.10	-0.00	CO 13	
				Min V _z	-5.75	0.01	-3.63	0.00	1.08	0.02	CO 4	
				Max M _T	-5.80	0.01	-3.63	0.00	1.08	0.02	CO 2	
				Min M _T	-0.30	-0.00	-0.50	0.00	0.10	-0.00	CO 11	
				Max M _y	-5.80	0.01	-3.63	0.00	1.08	0.02	CO 2	
				Min M _y	-0.35	-0.00	-0.50	0.00	0.10	-0.00	CO 13	
				Max M _z	-5.82	0.01	-3.63	0.00	1.07	0.02	CO 1	
				Min M _z	-0.28	-0.00	-0.50	0.00	0.10	-0.00	CO 12	
		1.729 Left	Max N	0.54	-0.00	0.65	0.00	0.23	-0.00	CO 12		
			Min N	-5.01	0.02	2.77	0.00	0.72	-0.01	CO 1		
			Max V _y	-5.01	0.02	2.77	0.00	0.72	-0.01	CO 1		
			Min V _y	0.54	-0.00	0.65	0.00	0.23	-0.00	CO 12		
			Max V _z	-4.97	0.02	2.77	0.00	0.72	-0.01	CO 7		
			Min V _z	0.50	-0.00	0.65	0.00	0.23	-0.00	CO 10		
			Max M _T	-4.98	0.02	2.77	0.00	0.72	-0.01	CO 2		
			Min M _T	0.51	-0.00	0.65	0.00	0.23	-0.00	CO 11		
			Max M _y	-5.01	0.02	2.77	0.00	0.72	-0.01	CO 1		
			Min M _y	0.54	-0.00	0.65	0.00	0.23	-0.00	CO 12		
			Max M _z	0.51	-0.00	0.65	0.00	0.23	-0.00	CO 11		
			Min M _z	-4.98	0.02	2.77	0.00	0.72	-0.01	CO 2		
		172	1.729 Right	Max N	0.54	-0.00	0.65	0.00	0.23	-0.00	CO 12	
				Min N	-5.01	0.02	2.77	0.00	0.72	-0.01	CO 1	
				Max V _y	-5.01	0.02	2.77	0.00	0.72	-0.01	CO 1	
				Min V _y	0.54	-0.00	0.65	0.00	0.23	-0.00	CO 12	
				Max V _z	-4.97	0.02	2.77	0.00	0.72	-0.01	CO 7	
				Min V _z	0.50	-0.00	0.65	0.00	0.23	-0.00	CO 10	
				Max M _T	-4.98	0.02	2.77	0.00	0.72	-0.01	CO 2	
				Min M _T	0.51	-0.00	0.65	0.00	0.23	-0.00	CO 11	
				Max M _y	-5.01	0.02	2.77	0.00	0.72	-0.01	CO 1	
				Min M _y	0.54	-0.00	0.65	0.00	0.23	-0.00	CO 12	
				Max M _z	0.51	-0.00	0.65	0.00	0.23	-0.00	CO 11	
				Min M _z	-4.98	0.02	2.77	0.00	0.72	-0.01	CO 2	
	RC2	76	0.000 Left	Max N	-0.07	-0.00	-0.33	0.00	0.06	-0.00	CO 26	
				Min N	-4.18	0.01	-2.65	0.00	0.78	0.01	CO 15	
Max V _y				-4.18	0.01	-2.65	0.00	0.78	0.01	CO 15		
Min V _y				-0.07	-0.00	-0.33	0.00	0.06	-0.00	CO 26		
Max V _z				-0.12	-0.00	-0.33	0.00	0.06	-0.00	CO 27		
Min V _z				-4.13	0.01	-2.65	0.00	0.79	0.01	CO 18		
Max M _T				-4.17	0.01	-2.65	0.00	0.79	0.01	CO 16		
Min M _T				-0.09	-0.00	-0.33	0.00	0.06	-0.00	CO 25		
Max M _y				-4.13	0.01	-2.65	0.00	0.79	0.01	CO 18		
Min M _y				-0.12	-0.00	-0.33	0.00	0.06	-0.00	CO 27		
Max M _z				-4.18	0.01	-2.65	0.00	0.78	0.01	CO 15		
Min M _z				-0.07	-0.00	-0.33	0.00	0.06	-0.00	CO 26		
0.000 Right			Max N	-0.07	-0.00	-0.33	0.00	0.06	-0.00	CO 26		
			Min N	-4.18	0.01	-2.65	0.00	0.78	0.01	CO 15		
			Max V _y	-4.18	0.01	-2.65	0.00	0.78	0.01	CO 15		
			Min V _y	-0.07	-0.00	-0.33	0.00	0.06	-0.00	CO 26		
			Max V _z	-0.12	-0.00	-0.33	0.00	0.06	-0.00	CO 27		
			Min V _z	-4.13	0.01	-2.65	0.00	0.79	0.01	CO 18		
			Max M _T	-4.17	0.01	-2.65	0.00	0.79	0.01	CO 16		
			Min M _T	-0.09	-0.00	-0.33	0.00	0.06	-0.00	CO 25		
			Max M _y	-4.13	0.01	-2.65	0.00	0.79	0.01	CO 18		
			Min M _y	-0.12	-0.00	-0.33	0.00	0.06	-0.00	CO 27		
			Max M _z	-4.18	0.01	-2.65	0.00	0.78	0.01	CO 15		
			Min M _z	-0.07	-0.00	-0.33	0.00	0.06	-0.00	CO 26		
1.729 Left	Max N	0.47	-0.00	0.44	0.00	0.16	-0.00	CO 26				
	Min N	-3.63	0.01	2.01	0.00	0.52	-0.01	CO 15				
	Max V _y	-3.63	0.01	2.01	0.00	0.52	-0.01	CO 15				
	Min V _y	0.47	-0.00	0.44	0.00	0.16	-0.00	CO 26				
	Max V _z	-3.60	0.01	2.01	0.00	0.52	-0.01	CO 21				
	Min V _z	0.44	-0.00	0.44	0.00	0.16	-0.00	CO 24				
	Max M _T	-3.62	0.01	2.01	0.00	0.52	-0.01	CO 16				
	Min M _T	0.46	-0.00	0.44	0.00	0.16	-0.00	CO 25				
	Max M _y	-3.63	0.01	2.01	0.00	0.52	-0.01	CO 15				
	Min M _y	0.47	-0.00	0.44	0.00	0.16	-0.00	CO 26				
	Max M _z	0.46	-0.00	0.44	0.00	0.16	-0.00	CO 25				
	Min M _z	-3.62	0.01	2.01	0.00	0.52	-0.01	CO 16				
172	1.729 Right	Max N	0.47	-0.00	0.44	0.00	0.16	-0.00	CO 26			
		Min N	-3.63	0.01	2.01	0.00	0.52	-0.01	CO 15			
		Max V _y	-3.63	0.01	2.01	0.00	0.52	-0.01	CO 15			
		Min V _y	0.47	-0.00	0.44	0.00	0.16	-0.00	CO 26			
		Max V _z	-3.60	0.01	2.01	0.00	0.52	-0.01	CO 21			
		Min V _z	0.44	-0.00	0.44	0.00	0.16	-0.00	CO 24			
		Max M _T	-3.62	0.01	2.01	0.00	0.52	-0.01	CO 16			
		Min M _T	0.46	-0.00	0.44	0.00	0.16	-0.00	CO 25			
		Max M _y	-3.63	0.01	2.01	0.00	0.52	-0.01	CO 15			
		Min M _y	0.47	-0.00	0.44	0.00	0.16	-0.00	CO 26			
		Max M _z	0.46	-0.00	0.44	0.00	0.16	-0.00	CO 25			
		Min M _z	-3.62	0.01	2.01	0.00	0.52	-0.01	CO 16			

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
151	RC2			Min V _z	0.44	-0.00	0.44	0.00	0.16	-0.00	CO 24
				Max M _T	-3.62	0.01	2.01	0.00	0.52	-0.01	CO 16
				Min M _T	0.46	-0.00	0.44	0.00	0.16	-0.00	CO 25
				Max M _y	-3.63	0.01	2.01	0.00	0.52	-0.01	CO 15
				Min M _y	0.47	-0.00	0.44	0.00	0.16	-0.00	CO 26
				Max M _z	0.46	-0.00	0.44	0.00	0.16	-0.00	CO 25
				Min M _z	-3.62	0.01	2.01	0.00	0.52	-0.01	CO 16
				Max N	3.28	-0.79	-2.62	0.00	0.95	-0.69	LC 1-5
				Min N	-7.82	0.81	-1.96	0.00	0.41	0.70	LC 1-4
				Max V _y	-3.63	2.39	-2.30	0.00	0.70	2.07	LC 1-4
	RC6	76	0.000 Left	Min V _y	-0.90	-2.37	-2.28	0.00	0.66	-2.05	LC 1-5
				Max V _z	-6.66	0.01	-1.59	0.00	0.09	0.01	LC 1-4
				Min V _z	2.12	0.01	-2.99	0.00	1.27	0.01	LC 1-5
				Max M _T	-3.47	-0.92	-2.13	0.00	0.54	-0.80	LC 1-4
				Min M _T	-1.07	0.94	-2.45	-0.00	0.82	0.82	LC 1-5
				Max M _y	2.04	0.03	-2.99	0.00	1.27	0.03	LC 1-5
				Min M _y	-6.57	-0.01	-1.59	0.00	0.09	-0.01	LC 1-4
				Max M _z	-3.44	2.39	-2.30	0.00	0.70	2.07	LC 1-5
				Min M _z	-1.10	-2.37	-2.28	0.00	0.66	-2.05	LC 1-4
				Max N	3.28	-0.79	-2.62	0.00	0.95	-0.69	LC 1-5
			0.000 Right	Min N	-7.82	0.81	-1.96	0.00	0.41	0.70	LC 1-4
				Max V _y	-3.63	2.39	-2.30	0.00	0.70	2.07	LC 1-4
				Min V _y	-0.90	-2.37	-2.28	0.00	0.66	-2.05	LC 1-5
				Max V _z	-6.66	0.01	-1.59	0.00	0.09	0.01	LC 1-4
				Min V _z	2.12	0.01	-2.99	0.00	1.27	0.01	LC 1-5
				Max M _T	-3.47	-0.92	-2.13	0.00	0.54	-0.80	LC 1-4
				Min M _T	-1.07	0.94	-2.45	-0.00	0.82	0.82	LC 1-5
				Max M _y	2.04	0.03	-2.99	0.00	1.27	0.03	LC 1-5
				Min M _y	-6.57	-0.01	-1.59	0.00	0.09	-0.01	LC 1-4
				Max M _z	-3.44	2.39	-2.30	0.00	0.70	2.07	LC 1-5
			1.729 Left	Min M _z	-1.10	-2.37	-2.28	0.00	0.66	-2.05	LC 1-4
				Max N	3.32	-0.79	1.31	0.00	0.11	0.68	LC 1-5
				Min N	-7.78	0.81	1.97	0.00	0.71	-0.69	LC 1-4
				Max V _y	-3.60	2.39	1.63	0.00	0.41	-2.05	LC 1-4
				Min V _y	-0.87	-2.37	1.65	0.00	0.41	2.04	LC 1-5
				Max V _z	-6.62	0.01	2.34	0.00	1.03	-0.01	LC 1-4
				Min V _z	2.16	0.01	0.94	0.00	-0.21	-0.00	LC 1-5
				Max M _T	-3.43	-0.92	1.80	0.00	0.55	0.79	LC 1-4
				Min M _T	-1.03	0.94	1.48	-0.00	0.27	-0.80	LC 1-5
				Max M _y	-6.70	0.03	2.34	0.00	1.03	-0.03	LC 1-4
		172	1.729 Right	Min M _y	2.24	-0.01	0.94	0.00	-0.21	0.01	LC 1-5
				Max M _z	-0.87	-2.37	1.65	0.00	0.41	2.04	LC 1-5
				Min M _z	-3.60	2.39	1.63	0.00	0.41	-2.05	LC 1-4
				Max N	3.32	-0.79	1.31	0.00	0.11	0.68	LC 1-5
				Min N	-7.78	0.81	1.97	0.00	0.71	-0.69	LC 1-4
				Max V _y	-3.60	2.39	1.63	0.00	0.41	-2.05	LC 1-4
				Min V _y	-0.87	-2.37	1.65	0.00	0.41	2.04	LC 1-5
				Max V _z	-6.62	0.01	2.34	0.00	1.03	-0.01	LC 1-4
				Min V _z	2.16	0.01	0.94	0.00	-0.21	-0.00	LC 1-5
				Max M _T	-3.43	-0.92	1.80	0.00	0.55	0.79	LC 1-4
152	RC1	103	0.000 Left	Min M _T	-1.03	0.94	1.48	-0.00	0.27	-0.80	LC 1-5
				Max M _y	-6.70	0.03	2.34	0.00	1.03	-0.03	LC 1-4
				Min M _y	2.24	-0.01	0.94	0.00	-0.21	0.01	LC 1-5
				Max M _z	-0.87	-2.37	1.65	0.00	0.41	2.04	LC 1-5
				Min M _z	-3.60	2.39	1.63	0.00	0.41	-2.05	LC 1-4
				Max N	4.91	-0.01	-1.56	-0.00	0.70	-0.01	CO 3
				Min N	4.11	-0.00	-0.69	-0.00	0.24	-0.01	CO 14
				Max V _y	4.21	-0.00	-0.69	-0.00	0.24	-0.01	CO 9
				Min V _y	4.81	-0.01	-1.56	-0.00	0.70	-0.01	CO 2
				Max V _z	4.13	-0.00	-0.69	-0.00	0.24	-0.01	CO 13
			0.000 Right	Min V _z	4.89	-0.01	-1.56	-0.00	0.70	-0.01	CO 4
				Max M _T	4.11	-0.00	-0.69	-0.00	0.24	-0.01	CO 14
				Min M _T	4.91	-0.01	-1.56	-0.00	0.70	-0.01	CO 3
				Max M _y	4.89	-0.01	-1.56	-0.00	0.70	-0.01	CO 6
				Min M _y	4.13	-0.00	-0.69	-0.00	0.24	-0.01	CO 13
				Max M _z	4.21	-0.00	-0.69	-0.00	0.24	-0.01	CO 9
				Min M _z	4.81	-0.01	-1.56	-0.00	0.70	-0.01	CO 8
				Max N	4.91	-0.01	-1.56	-0.00	0.70	-0.01	CO 3
				Min N	4.11	-0.00	-0.69	-0.00	0.24	-0.01	CO 14
				Max V _y	4.21	-0.00	-0.69	-0.00	0.24	-0.01	CO 9
			0.464 Left	Min V _y	4.81	-0.01	-1.56	-0.00	0.70	-0.01	CO 2
				Max V _z	4.13	-0.00	-0.69	-0.00	0.24	-0.01	CO 13
				Min V _z	4.89	-0.01	-1.56	-0.00	0.70	-0.01	CO 4
				Max M _T	4.11	-0.00	-0.69	-0.00	0.24	-0.01	CO 14
				Min M _T	4.91	-0.01	-1.56	-0.00	0.70	-0.01	CO 3
				Max M _y	4.89	-0.01	-1.56	-0.00	0.70	-0.01	CO 6
				Min M _y	4.13	-0.00	-0.69	-0.00	0.24	-0.01	CO 13
				Max M _z	4.21	-0.00	-0.69	-0.00	0.24	-0.01	CO 9
				Min M _z	4.81	-0.01	-1.56	-0.00	0.70	-0.01	CO 8
				Max N	4.71	-0.01	-1.03	-0.00	0.08	-0.01	CO 3
			0.464	Min N	3.90	-0.00	-0.37	-0.00	-0.00	-0.00	CO 14
				Max V _y	4.00	-0.00	-0.37	-0.00	-0.00	-0.00	CO 9
				Min V _y	4.60	-0.01	-1.03	-0.00	0.08	-0.01	CO 8
				Max V _z	3.92	-0.00	-0.37	-0.00	-0.00	-0.00	CO 13
				Min V _z	4.69	-0.01	-1.03	-0.00	0.08	-0.01	CO 4
				Max M _T	3.90	-0.00	-0.37	-0.00	-0.00	-0.00	CO 14
				Min M _T	4.71	-0.01	-1.03	-0.00	0.08	-0.01	CO 3
				Max M _y	4.68	-0.01	-1.03	-0.00	0.08	-0.01	CO 6
				Min M _y	3.92	-0.00	-0.37	-0.00	-0.00	-0.00	CO 13
				Max M _z	4.00	-0.00	-0.37	-0.00	-0.00	-0.00	CO 9
				Min M _z	4.60	-0.01	-1.03	-0.00	0.08	-0.01	CO 8
				Max N	4.71	-0.01	-1.03	-0.00	0.08	-0.01	CO 3



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
152	RC1		Right	Min N	3.90	-0.00	-0.37	-0.00	-0.00	-0.00	CO 14
				Max V _y	4.00	-0.00	-0.37	-0.00	-0.00	-0.00	CO 9
				Min V _y	4.60	-0.01	-1.03	-0.00	0.08	-0.01	CO 8
				Max V _z	3.92	-0.00	-0.37	-0.00	-0.00	-0.00	CO 13
				Min V _z	4.69	-0.01	-1.03	-0.00	0.08	-0.01	CO 4
				Max M _T	3.90	-0.00	-0.37	-0.00	-0.00	-0.00	CO 14
				Min M _T	4.71	-0.01	-1.03	-0.00	0.08	-0.01	CO 3
				Max M _y	4.68	-0.01	-1.03	-0.00	0.08	-0.01	CO 6
				Min M _y	3.92	-0.00	-0.37	-0.00	-0.00	-0.00	CO 13
				Max M _z	4.00	-0.00	-0.37	-0.00	-0.00	-0.00	CO 9
				Min M _z	4.60	-0.01	-1.03	-0.00	0.08	-0.01	CO 8
			1.832 Left	Max N	4.09	-0.00	2.06	-0.00	0.63	-0.01	CO 3
				Min N	3.29	-0.00	0.56	-0.00	0.12	-0.00	CO 14
				Max V _y	3.39	-0.00	0.56	-0.00	0.12	-0.00	CO 9
				Min V _y	3.99	-0.00	2.06	-0.00	0.63	-0.01	CO 8
				Max V _z	4.01	-0.00	2.06	-0.00	0.63	-0.01	CO 7
				Min V _z	3.37	-0.00	0.56	-0.00	0.12	-0.00	CO 10
				Max M _T	3.37	-0.00	0.56	-0.00	0.12	-0.00	CO 12
				Min M _T	4.02	-0.00	2.06	-0.00	0.63	-0.01	CO 1
				Max M _y	4.01	-0.00	2.06	-0.00	0.63	-0.01	CO 7
				Min M _y	3.37	-0.00	0.56	-0.00	0.12	-0.00	CO 10
				Max M _z	3.39	-0.00	0.56	-0.00	0.12	-0.00	CO 11
				Min M _z	3.99	-0.00	2.06	-0.00	0.63	-0.01	CO 8
		173	1.832 Right	Max N	4.09	-0.00	2.06	-0.00	0.63	-0.01	CO 3
				Min N	3.29	-0.00	0.56	-0.00	0.12	-0.00	CO 14
				Max V _y	3.39	-0.00	0.56	-0.00	0.12	-0.00	CO 9
				Min V _y	3.99	-0.00	2.06	-0.00	0.63	-0.01	CO 8
				Max V _z	4.01	-0.00	2.06	-0.00	0.63	-0.01	CO 7
				Min V _z	3.37	-0.00	0.56	-0.00	0.12	-0.00	CO 10
				Max M _T	3.37	-0.00	0.56	-0.00	0.12	-0.00	CO 12
				Min M _T	4.02	-0.00	2.06	-0.00	0.63	-0.01	CO 1
				Max M _y	4.01	-0.00	2.06	-0.00	0.63	-0.01	CO 7
				Min M _y	3.37	-0.00	0.56	-0.00	0.12	-0.00	CO 10
				Max M _z	3.39	-0.00	0.56	-0.00	0.12	-0.00	CO 11
				Min M _z	3.99	-0.00	2.06	-0.00	0.63	-0.01	CO 8
	RC2	103	0.000 Left	Max N	3.55	-0.01	-1.11	-0.00	0.50	-0.01	CO 17
				Min N	2.96	-0.00	-0.46	-0.00	0.16	-0.00	CO 28
				Max V _y	3.03	-0.00	-0.46	-0.00	0.16	-0.00	CO 23
				Min V _y	3.48	-0.01	-1.11	-0.00	0.50	-0.01	CO 22
				Max V _z	2.97	-0.00	-0.46	-0.00	0.16	-0.00	CO 27
				Min V _z	3.54	-0.01	-1.11	-0.00	0.50	-0.01	CO 18
				Max M _T	2.96	-0.00	-0.46	-0.00	0.16	-0.00	CO 28
				Min M _T	3.55	-0.01	-1.11	-0.00	0.50	-0.01	CO 17
				Max M _y	3.54	-0.01	-1.11	-0.00	0.50	-0.01	CO 18
				Min M _y	2.97	-0.00	-0.46	-0.00	0.16	-0.00	CO 27
				Max M _z	3.03	-0.00	-0.46	-0.00	0.16	-0.00	CO 23
				Min M _z	3.48	-0.01	-1.11	-0.00	0.50	-0.01	CO 22
			0.000 Right	Max N	3.55	-0.01	-1.11	-0.00	0.50	-0.01	CO 17
				Min N	2.96	-0.00	-0.46	-0.00	0.16	-0.00	CO 28
				Max V _y	3.03	-0.00	-0.46	-0.00	0.16	-0.00	CO 23
				Min V _y	3.48	-0.01	-1.11	-0.00	0.50	-0.01	CO 22
				Max V _z	2.97	-0.00	-0.46	-0.00	0.16	-0.00	CO 27
				Min V _z	3.54	-0.01	-1.11	-0.00	0.50	-0.01	CO 18
				Max M _T	2.96	-0.00	-0.46	-0.00	0.16	-0.00	CO 28
				Min M _T	3.55	-0.01	-1.11	-0.00	0.50	-0.01	CO 17
				Max M _y	3.54	-0.01	-1.11	-0.00	0.50	-0.01	CO 18
				Min M _y	2.97	-0.00	-0.46	-0.00	0.16	-0.00	CO 27
				Max M _z	3.03	-0.00	-0.46	-0.00	0.16	-0.00	CO 23
				Min M _z	3.48	-0.01	-1.11	-0.00	0.50	-0.01	CO 22
		0.464 Left	0.464 Left	Max N	3.41	-0.00	-0.73	-0.00	0.06	-0.01	CO 17
				Min N	2.82	-0.00	-0.25	-0.00	-0.00	-0.00	CO 28
				Max V _y	2.89	-0.00	-0.25	-0.00	-0.00	-0.00	CO 23
				Min V _y	3.34	-0.00	-0.74	-0.00	0.06	-0.01	CO 22
				Max V _z	2.83	-0.00	-0.25	-0.00	-0.00	-0.00	CO 27
				Min V _z	3.40	-0.00	-0.74	-0.00	0.06	-0.01	CO 18
				Max M _T	2.88	-0.00	-0.25	-0.00	-0.00	-0.00	CO 26
				Min M _T	3.41	-0.00	-0.73	-0.00	0.06	-0.01	CO 17
				Max M _y	3.40	-0.00	-0.74	-0.00	0.06	-0.01	CO 20
				Min M _y	2.83	-0.00	-0.25	-0.00	-0.00	-0.00	CO 27
				Max M _z	2.89	-0.00	-0.25	-0.00	-0.00	-0.00	CO 23
				Min M _z	3.34	-0.00	-0.74	-0.00	0.06	-0.01	CO 22
		0.464 Right	0.464 Right	Max N	3.41	-0.00	-0.73	-0.00	0.06	-0.01	CO 17
				Min N	2.82	-0.00	-0.25	-0.00	-0.00	-0.00	CO 28
				Max V _y	2.89	-0.00	-0.25	-0.00	-0.00	-0.00	CO 23
				Min V _y	3.34	-0.00	-0.74	-0.00	0.06	-0.01	CO 22
				Max V _z	2.83	-0.00	-0.25	-0.00	-0.00	-0.00	CO 27
				Min V _z	3.40	-0.00	-0.74	-0.00	0.06	-0.01	CO 18
				Max M _T	2.88	-0.00	-0.25	-0.00	-0.00	-0.00	CO 26
				Min M _T	3.41	-0.00	-0.73	-0.00	0.06	-0.01	CO 17
				Max M _y	3.40	-0.00	-0.74	-0.00	0.06	-0.01	CO 20
				Min M _y	2.83	-0.00	-0.25	-0.00	-0.00	-0.00	CO 27
				Max M _z	2.89	-0.00	-0.25	-0.00	-0.00	-0.00	CO 23
				Min M _z	3.34	-0.00	-0.74	-0.00	0.06	-0.01	CO 22
		1.832 Left	1.832 Left	Max N	3.00	-0.00	1.49	-0.00	0.46	-0.00	CO 17
				Min N	2.41	-0.00	0.38	-0.00	0.08	-0.00	CO 28
				Max V _y	2.49	-0.00	0.38	-0.00	0.08	-0.00	CO 23
				Min V _y	2.93	-0.00	1.48	-0.00	0.46	-0.00	CO 22
				Max V _z	2.94	-0.00	1.49	-0.00	0.46	-0.00	CO 21
				Min V _z	2.47	-0.00	0.38	-0.00	0.08	-0.00	CO 24
				Max M _T	2.47	-0.00	0.38	-0.00	0.08	-0.00	CO 26
				Min M _T	2.94	-0.00	1.49	-0.00	0.46	-0.00	CO 15
				Max M _y	2.94	-0.00	1.49	-0.00	0.46	-0.00	CO 21

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
152	RC2	173	1.832 Right	Min M _y	2.47	-0.00	0.38	-0.00	0.08	-0.00	CO 24
				Max M _z	2.48	-0.00	0.38	-0.00	0.08	-0.00	CO 25
				Min M _z	2.93	-0.00	1.48	-0.00	0.46	-0.00	CO 16
				Max N	3.00	-0.00	1.49	-0.00	0.46	-0.00	CO 17
				Min N	2.41	-0.00	0.38	-0.00	0.08	-0.00	CO 28
				Max V _y	2.49	-0.00	0.38	-0.00	0.08	-0.00	CO 23
				Min V _y	2.93	-0.00	1.48	-0.00	0.46	-0.00	CO 22
				Max V _z	2.94	-0.00	1.49	-0.00	0.46	-0.00	CO 21
				Min V _z	2.47	-0.00	0.38	-0.00	0.08	-0.00	CO 24
				Max M _T	2.47	-0.00	0.38	-0.00	0.08	-0.00	CO 26
				Min M _T	2.94	-0.00	1.49	-0.00	0.46	-0.00	CO 15
				Max M _y	2.94	-0.00	1.49	-0.00	0.46	-0.00	CO 21
				Min M _y	2.47	-0.00	0.38	-0.00	0.08	-0.00	CO 24
				Max M _z	2.48	-0.00	0.38	-0.00	0.08	-0.00	CO 25
				Min M _z	2.93	-0.00	1.48	-0.00	0.46	-0.00	CO 16
	RC6	103	0.000 Left	Max N	7.12	-0.67	-0.62	-0.00	0.30	-0.61	LC 1-5
				Min N	0.16	0.67	-0.74	-0.00	0.44	0.61	LC 1-4
				Max V _y	2.39	1.79	-0.69	-0.00	0.33	1.62	LC 1-5
				Min V _y	4.89	-1.79	-0.67	-0.00	0.40	-1.63	LC 1-4
				Max V _z	3.57	-0.03	-0.12	-0.00	-0.06	-0.03	LC 1-4
				Min V _z	3.71	0.03	-1.24	-0.00	0.80	0.02	LC 1-5
				Max M _T	4.59	0.41	-0.58	0.00	0.20	0.35	LC 1-5
				Min M _T	2.69	-0.42	-0.78	-0.00	0.54	-0.36	LC 1-4
				Max M _y	3.55	-0.08	-1.22	-0.00	0.81	-0.07	LC 1-5
				Min M _y	3.73	0.08	-0.13	-0.00	-0.08	0.07	LC 1-4
				Max M _z	2.38	1.79	-0.69	-0.00	0.33	1.62	LC 1-5
				Min M _z	4.91	-1.79	-0.67	-0.00	0.40	-1.63	LC 1-4
			0.000 Right	Max N	7.12	-0.67	-0.62	-0.00	0.30	-0.61	LC 1-5
				Min N	0.16	0.67	-0.74	-0.00	0.44	0.61	LC 1-4
				Max V _y	2.39	1.79	-0.69	-0.00	0.33	1.62	LC 1-5
				Min V _y	4.89	-1.79	-0.67	-0.00	0.40	-1.63	LC 1-4
				Max V _z	3.57	-0.03	-0.12	-0.00	-0.06	-0.03	LC 1-4
				Min V _z	3.71	0.03	-1.24	-0.00	0.80	0.02	LC 1-5
				Max M _T	4.59	0.41	-0.58	0.00	0.20	0.35	LC 1-5
				Min M _T	2.69	-0.42	-0.78	-0.00	0.54	-0.36	LC 1-4
				Max M _y	3.55	-0.08	-1.22	-0.00	0.81	-0.07	LC 1-5
				Min M _y	3.73	0.08	-0.13	-0.00	-0.08	0.07	LC 1-4
				Max M _z	2.38	1.79	-0.69	-0.00	0.33	1.62	LC 1-5
				Min M _z	4.91	-1.79	-0.67	-0.00	0.40	-1.63	LC 1-4
			0.464 Left	Max N	7.11	-0.67	-0.45	-0.00	0.03	-0.30	LC 1-5
				Min N	0.15	0.67	-0.57	-0.00	0.12	0.30	LC 1-4
				Max V _y	2.38	1.79	-0.52	-0.00	0.03	0.79	LC 1-5
				Min V _y	4.88	-1.79	-0.50	-0.00	0.12	-0.79	LC 1-4
				Max V _z	3.56	-0.03	0.05	-0.00	-0.10	-0.01	LC 1-4
				Min V _z	3.70	0.03	-1.07	-0.00	0.25	0.01	LC 1-5
				Max M _T	4.58	0.41	-0.41	0.00	-0.05	0.16	LC 1-5
				Min M _T	2.68	-0.42	-0.61	-0.00	0.20	-0.16	LC 1-4
				Max M _y	3.26	-0.15	-1.00	-0.00	0.27	-0.07	LC 1-5
				Min M _y	4.00	0.15	-0.02	-0.00	-0.12	0.06	LC 1-4
				Max M _z	2.35	1.79	-0.52	-0.00	0.04	0.79	LC 1-5
				Min M _z	4.91	-1.79	-0.50	-0.00	0.12	-0.79	LC 1-4
			0.464 Right	Max N	7.11	-0.67	-0.45	-0.00	0.03	-0.30	LC 1-5
				Min N	0.15	0.67	-0.57	-0.00	0.12	0.30	LC 1-4
				Max V _y	2.38	1.79	-0.52	-0.00	0.03	0.79	LC 1-5
				Min V _y	4.88	-1.79	-0.50	-0.00	0.12	-0.79	LC 1-4
				Max V _z	3.56	-0.03	0.05	-0.00	-0.10	-0.01	LC 1-4
				Min V _z	3.70	0.03	-1.07	-0.00	0.25	0.01	LC 1-5
				Max M _T	4.58	0.41	-0.41	0.00	-0.05	0.16	LC 1-5
				Min M _T	2.68	-0.42	-0.61	-0.00	0.20	-0.16	LC 1-4
				Max M _y	3.26	-0.15	-1.00	-0.00	0.27	-0.07	LC 1-5
				Min M _y	4.00	0.15	-0.02	-0.00	-0.12	0.06	LC 1-4
				Max M _z	2.35	1.79	-0.52	-0.00	0.04	0.79	LC 1-5
				Min M _z	4.91	-1.79	-0.50	-0.00	0.12	-0.79	LC 1-4
			1.832 Left	Max N	7.09	-0.67	1.18	-0.00	0.42	0.61	LC 1-5
				Min N	0.12	0.67	1.06	-0.00	0.34	-0.62	LC 1-4
				Max V _y	2.36	1.79	1.11	-0.00	0.32	-1.67	LC 1-5
				Min V _y	4.86	-1.79	1.14	-0.00	0.44	1.66	LC 1-4
				Max V _z	3.53	-0.03	1.68	-0.00	0.97	0.03	LC 1-4
				Min V _z	3.68	0.03	0.56	-0.00	-0.21	-0.03	LC 1-5
				Max M _T	4.55	0.41	1.23	0.00	0.40	-0.41	LC 1-5
				Min M _T	2.66	-0.42	1.02	-0.00	0.36	0.41	LC 1-4
				Max M _y	3.41	-0.14	1.67	-0.00	0.98	0.13	LC 1-4
				Min M _y	3.80	0.14	0.57	-0.00	-0.22	-0.13	LC 1-5
				Max M _z	4.89	-1.79	1.14	-0.00	0.44	1.66	LC 1-5
				Min M _z	2.32	1.79	1.11	-0.00	0.32	-1.67	LC 1-4
			1.832 Right	Max N	7.09	-0.67	1.18	-0.00	0.43	0.61	LC 1-5
				Min N	0.12	0.67	1.06	-0.00	0.34	-0.62	LC 1-4
				Max V _y	2.36	1.79	1.11	-0.00	0.32	-1.67	LC 1-5
				Min V _y	4.86	-1.79	1.14	-0.00	0.44	1.66	LC 1-4
				Max V _z	3.53	-0.03	1.68	-0.00	0.97	0.03	LC 1-4
				Min V _z	3.68	0.03	0.56	-0.00	-0.21	-0.03	LC 1-5
				Max M _T	4.55	0.41	1.23	0.00	0.40	-0.41	LC 1-5
				Min M _T	2.66	-0.42	1.02	-0.00	0.36	0.41	LC 1-4
				Max M _y	3.41	-0.14	1.67	-0.00	0.98	0.13	LC 1-4
				Min M _y	3.80	0.14	0.57	-0.00	-0.22	-0.13	LC 1-5
161	RC1	108	0.000 Left	Max M _z	4.89	-1.79	1.14	-0.00	0.44	1.66	LC 1-5
				Min M _z	2.32	1.79	1.11	-0.00	0.32	-1.67	LC 1-4
				Max N	-3.26	-0.01	-0.46	-0.00	0.05	-0.02	CO 12
				Min N	-8.72	-0.01	-2.04	-0.00	0.45	-0.03	CO 1
				Max V _y	-3.28	-0.01	-0.46	-0.00	0.05	-0.02	CO 13
				Min V _y	-8.70	-0.01	-2.04	-0.00	0.46	-0.03	CO 6
				Max V _z	-3.28	-0.01	-0.46	-0.00	0.05	-0.02	CO 13

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding						
					N	V _y	V _z	M _T	M _y	M _z	Load Cases						
161	RC1			0.000 Right	Min V _z	-8.70	-0.01	▷	-2.04	-0.00	0.46	-0.03	CO 6				
					Max M _T	-3.27	-0.01		-0.46	-0.00	0.05	-0.02	CO 14				
					Min M _T	-8.71	-0.01	▷	-2.04	-0.00	0.46	-0.03	CO 5				
					Max M _y	-8.70	-0.01		-2.04	-0.00	0.46	-0.03	CO 6				
					Min M _y	-3.28	-0.01	▷	-0.46	-0.00	0.05	-0.02	CO 13				
					Max M _z	-3.28	-0.01		-0.46	-0.00	0.05	-0.02	CO 13				
					Min M _z	-8.70	-0.01	▷	-2.04	-0.00	0.46	-0.03	CO 4				
					Max N	-3.26	-0.01		-0.46	-0.00	0.05	-0.02	CO 12				
					Min N	-8.72	-0.01	▷	-2.04	-0.00	0.45	-0.03	CO 1				
					Max V _y	-3.28	-0.01	▷	-0.46	-0.00	0.05	-0.02	CO 13				
					Min V _y	-8.70	-0.01	▷	-2.04	-0.00	0.46	-0.03	CO 6				
					Max V _z	-3.28	-0.01	▷	-0.46	-0.00	0.05	-0.02	CO 13				
					Min V _z	-8.70	-0.01	▷	-2.04	-0.00	0.46	-0.03	CO 6				
					Max M _T	-3.27	-0.01	▷	-0.46	-0.00	0.05	-0.02	CO 14				
					Min M _T	-8.71	-0.01	▷	-2.04	-0.00	0.46	-0.03	CO 5				
					Max M _y	-8.70	-0.01		-2.04	-0.00	0.46	-0.03	CO 6				
					Min M _y	-3.28	-0.01		-0.46	-0.00	0.05	-0.02	CO 13				
					Max M _z	-3.28	-0.01		-0.46	-0.00	0.05	-0.02	CO 13				
					Min M _z	-8.70	-0.01	▷	-2.04	-0.00	0.46	-0.03	CO 4				
					1.729 Left	Max N	-2.45	-0.01		0.69	-0.00	0.24	0.00	CO 12			
						Min N	-7.90	-0.02	▷	2.39	-0.00	0.78	0.00	CO 1			
						Max V _y	-2.47	-0.01	▷	0.69	-0.00	0.24	0.00	CO 13			
						Min V _y	-7.88	-0.02	▷	2.39	-0.00	0.78	0.00	CO 6			
						Max V _z	-7.90	-0.02	▷	2.39	-0.00	0.78	0.00	CO 1			
						Min V _z	-2.45	-0.01	▷	0.69	-0.00	0.24	0.00	CO 12			
						Max M _T	-2.46	-0.01	▷	0.69	-0.00	0.24	0.00	CO 14			
						Min M _T	-7.89	-0.02	▷	2.39	-0.00	0.78	0.00	CO 5			
						Max M _y	-7.90	-0.02	▷	2.39	-0.00	0.78	0.00	CO 1			
						Min M _y	-2.45	-0.01	▷	0.69	-0.00	0.24	0.00	CO 12			
						Max M _z	-7.88	-0.02	▷	2.39	-0.00	0.78	0.00	CO 6			
				Min M _z		-2.47	-0.01	▷	0.69	-0.00	0.24	0.00	CO 13				
				170 Right		Max N	-2.45	-0.01		0.69	-0.00	0.24	0.00	CO 12			
						Min N	-7.90	-0.02	▷	2.39	-0.00	0.78	0.00	CO 1			
						Max V _y	-2.47	-0.01	▷	0.69	-0.00	0.24	0.00	CO 13			
						Min V _y	-7.88	-0.02	▷	2.39	-0.00	0.78	0.00	CO 6			
						Max V _z	-7.90	-0.02	▷	2.39	-0.00	0.78	0.00	CO 1			
						Min V _z	-2.45	-0.01	▷	0.69	-0.00	0.24	0.00	CO 12			
						Max M _T	-2.46	-0.01	▷	0.69	-0.00	0.24	0.00	CO 14			
						Min M _T	-7.89	-0.02	▷	2.39	-0.00	0.78	0.00	CO 5			
						Max M _y	-7.90	-0.02	▷	2.39	-0.00	0.78	0.00	CO 1			
						Min M _y	-2.45	-0.01	▷	0.69	-0.00	0.24	0.00	CO 12			
						Max M _z	-7.88	-0.02	▷	2.39	-0.00	0.78	0.00	CO 6			
						Min M _z	-2.47	-0.01	▷	0.69	-0.00	0.24	0.00	CO 13			
						RC2	108	0.000 Left	Max N	-2.17	-0.01	▷	-0.30	-0.00	0.02	-0.02	CO 26
									Min N	-6.22	-0.01	▷	-1.47	-0.00	0.33	-0.02	CO 15
									Max V _y	-2.18	-0.01	▷	-0.30	-0.00	0.02	-0.02	CO 27
									Min V _y	-6.20	-0.01	▷	-1.47	-0.00	0.33	-0.02	CO 20
									Max V _z	-2.18	-0.01	▷	-0.30	-0.00	0.02	-0.02	CO 27
									Min V _z	-6.20	-0.01	▷	-1.47	-0.00	0.33	-0.02	CO 20
					Max M _T				-2.18	-0.01	▷	-0.30	-0.00	0.02	-0.02	CO 28	
					Min M _T				-6.21	-0.01	▷	-1.47	-0.00	0.33	-0.02	CO 19	
					Max M _y				-6.20	-0.01	▷	-1.47	-0.00	0.33	-0.02	CO 20	
					Min M _y				-2.18	-0.01	▷	-0.30	-0.00	0.02	-0.02	CO 27	
					Max M _z				-2.18	-0.01	▷	-0.30	-0.00	0.02	-0.02	CO 27	
					Min M _z				-6.20	-0.01	▷	-1.47	-0.00	0.33	-0.02	CO 18	
					0.000 Right				Max N	-2.17	-0.01	▷	-0.30	-0.00	0.02	-0.02	CO 26
									Min N	-6.22	-0.01	▷	-1.47	-0.00	0.33	-0.02	CO 15
									Max V _y	-2.18	-0.01	▷	-0.30	-0.00	0.02	-0.02	CO 27
									Min V _y	-6.20	-0.01	▷	-1.47	-0.00	0.33	-0.02	CO 20
									Max V _z	-2.18	-0.01	▷	-0.30	-0.00	0.02	-0.02	CO 27
Min V _z	-6.20	-0.01	▷						-1.47	-0.00	0.33	-0.02	CO 20				
Max M _T	-2.18	-0.01	▷	-0.30					-0.00	0.02	-0.02	CO 28					
Min M _T	-6.21	-0.01	▷	-1.47					-0.00	0.33	-0.02	CO 19					
Max M _y	-6.20	-0.01	▷	-1.47					-0.00	0.33	-0.02	CO 20					
Min M _y	-2.18	-0.01	▷	-0.30					-0.00	0.02	-0.02	CO 27					
Max M _z	-2.18	-0.01	▷	-0.30					-0.00	0.02	-0.02	CO 27					
Min M _z	-6.20	-0.01	▷	-1.47					-0.00	0.33	-0.02	CO 18					
1.729 Left	Max N	-1.62	-0.01	▷					0.47	-0.00	0.17	0.00	CO 26				
	Min N	-5.67	-0.01	▷					1.73	-0.00	0.56	0.00	CO 15				
	Max V _y	-1.64	-0.01	▷					0.47	-0.00	0.17	0.00	CO 27				
	Min V _y	-5.65	-0.01	▷					1.73	-0.00	0.56	0.00	CO 20				
	Max V _z	-5.67	-0.01	▷					1.73	-0.00	0.56	0.00	CO 20				
	Min V _z	-1.62	-0.01	▷					0.47	-0.00	0.17	0.00	CO 15				
	Max M _T	-1.63	-0.01	▷	0.47	-0.00	0.17	0.00	CO 26								
	Min M _T	-5.66	-0.01	▷	1.73	-0.00	0.56	0.00	CO 19								
	Max M _y	-5.67	-0.01	▷	1.73	-0.00	0.56	0.00	CO 15								
	Min M _y	-1.62	-0.01	▷	0.47	-0.00	0.17	0.00	CO 26								
	Max M _z	-5.65	-0.01	▷	1.73	-0.00	0.56	0.00	CO 20								
	Min M _z	-1.64	-0.01	▷	0.47	-0.00	0.17	0.00	CO 27								
RC6	108	0.000	Max N	-0.86	-2.61	-1.44	-0.00	0.52	-2.27	LC 1-5							



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases		
				N	V _y	V _z	M _T	M _y	M _z					
161	RC6		Left	Min N	-6.88	2.58	-0.79	-0.00	-0.07	2.23	LC 1-4			
				Max V _y	-5.54	3.46	-1.11	-0.00	0.22	2.99	LC 1-5			
				Min V _y	-2.20	-3.48	-1.12	0.00	0.22	-3.03	LC 1-4			
				Max V _z	-6.52	0.10	-0.41	-0.00	-0.42	0.07	LC 1-4			
				Min V _z	-1.21	-0.12	-1.82	-0.00	0.86	-0.12	LC 1-5			
				Max M _T	-3.78	-0.49	-1.12	0.00	0.23	-0.44	LC 1-4			
				Min M _T	-3.95	0.46	-1.11	-0.00	0.22	0.39	LC 1-5			
				Max M _y	-1.22	-0.11	-1.82	-0.00	0.86	-0.11	LC 1-5			
				Min M _y	-6.51	0.08	-0.41	-0.00	-0.42	0.06	LC 1-4			
				Max M _z	-5.54	3.46	-1.11	-0.00	0.22	2.99	LC 1-5			
				Min M _z	-2.20	-3.48	-1.12	0.00	0.22	-3.03	LC 1-4			
				0.000 Right	Max N	-0.86	-2.61	-1.44	-0.00	0.52	-2.27	LC 1-5		
					Min N	-6.88	2.58	-0.79	-0.00	-0.07	2.23	LC 1-4		
					Max V _y	-5.54	3.46	-1.11	-0.00	0.22	2.99	LC 1-5		
					Min V _y	-2.20	-3.48	-1.12	0.00	0.22	-3.03	LC 1-4		
					Max V _z	-6.52	0.10	-0.41	-0.00	-0.42	0.07	LC 1-4		
					Min V _z	-1.21	-0.12	-1.82	-0.00	0.86	-0.12	LC 1-5		
					Max M _T	-3.78	-0.49	-1.12	0.00	0.23	-0.44	LC 1-4		
					Min M _T	-3.95	0.46	-1.11	-0.00	0.22	0.39	LC 1-5		
					Max M _y	-1.22	-0.11	-1.82	-0.00	0.86	-0.11	LC 1-5		
					Min M _y	-6.51	0.08	-0.41	-0.00	-0.42	0.06	LC 1-4		
					Max M _z	-5.54	3.46	-1.11	-0.00	0.22	2.99	LC 1-5		
					Min M _z	-2.20	-3.48	-1.12	0.00	0.22	-3.03	LC 1-4		
			1.729 Left	Max N	-0.83	-2.61	1.04	-0.00	0.17	2.24	LC 1-5			
				Min N	-6.84	2.58	1.69	-0.00	0.71	-2.23	LC 1-4			
				Max V _y	-5.50	3.46	1.37	-0.00	0.45	-2.99	LC 1-5			
				Min V _y	-2.16	-3.48	1.36	0.00	0.43	2.99	LC 1-4			
				Max V _z	-6.49	0.10	2.06	-0.00	1.02	-0.09	LC 1-4			
				Min V _z	-1.18	-0.12	0.66	-0.00	-0.13	0.10	LC 1-5			
				Max M _T	-3.75	-0.49	1.36	0.00	0.44	0.41	LC 1-4			
				Min M _T	-3.92	0.46	1.37	-0.00	0.45	-0.40	LC 1-5			
				Max M _y	-6.50	0.11	2.06	-0.00	1.02	-0.10	LC 1-4			
				Min M _y	-1.17	-0.14	0.66	-0.00	-0.13	0.11	LC 1-5			
				Max M _z	-2.14	-3.48	1.35	0.00	0.43	2.99	LC 1-5			
				Min M _z	-5.53	3.46	1.37	-0.00	0.45	-2.99	LC 1-4			
			1.729 Right	Max N	-0.83	-2.61	1.04	-0.00	0.17	2.24	LC 1-5			
				Min N	-6.84	2.58	1.69	-0.00	0.71	-2.23	LC 1-4			
				Max V _y	-5.50	3.46	1.37	-0.00	0.45	-2.99	LC 1-5			
				Min V _y	-2.16	-3.48	1.36	0.00	0.43	2.99	LC 1-4			
				Max V _z	-6.49	0.10	2.06	-0.00	1.02	-0.09	LC 1-4			
				Min V _z	-1.18	-0.12	0.66	-0.00	-0.13	0.10	LC 1-5			
				Max M _T	-3.75	-0.49	1.36	0.00	0.44	0.41	LC 1-4			
				Min M _T	-3.92	0.46	1.37	-0.00	0.45	-0.40	LC 1-5			
				Max M _y	-6.50	0.11	2.06	-0.00	1.02	-0.10	LC 1-4			
				Min M _y	-1.17	-0.14	0.66	-0.00	-0.13	0.11	LC 1-5			
				Max M _z	-2.14	-3.48	1.35	0.00	0.43	2.99	LC 1-5			
				Min M _z	-5.53	3.46	1.37	-0.00	0.45	-2.99	LC 1-4			
			162	RC1	107	0.000 Left	Max N	0.49	0.00	-0.66	0.00	0.19	0.01	CO 12
							Min N	-0.54	0.01	-2.06	0.00	0.69	0.01	CO 1
							Max V _y	-0.53	0.01	-2.06	0.00	0.69	0.01	CO 3
							Min V _y	0.48	0.00	-0.66	0.00	0.19	0.01	CO 14
							Max V _z	0.48	0.00	-0.66	0.00	0.19	0.01	CO 13
							Min V _z	-0.52	0.01	-2.06	0.00	0.69	0.01	CO 6
							Max M _T	-0.53	0.01	-2.06	0.00	0.69	0.01	CO 8
							Min M _T	0.49	0.00	-0.66	0.00	0.19	0.01	CO 9
							Max M _y	-0.52	0.01	-2.06	0.00	0.69	0.01	CO 6
							Min M _y	0.48	0.00	-0.66	0.00	0.19	0.01	CO 13
							Max M _z	-0.53	0.01	-2.06	0.00	0.69	0.01	CO 3
							Min M _z	0.48	0.00	-0.66	0.00	0.19	0.01	CO 14
0.000 Right	Max N	0.49				0.00	-0.66	0.00	0.19	0.01	CO 12			
	Min N	-0.54				0.01	-2.06	0.00	0.69	0.01	CO 1			
	Max V _y	-0.53				0.01	-2.06	0.00	0.69	0.01	CO 3			
	Min V _y	0.48				0.00	-0.66	0.00	0.19	0.01	CO 14			
	Max V _z	0.48				0.00	-0.66	0.00	0.19	0.01	CO 13			
	Min V _z	-0.52				0.01	-2.06	0.00	0.69	0.01	CO 6			
	Max M _T	-0.53				0.01	-2.06	0.00	0.69	0.01	CO 8			
	Min M _T	0.49				0.00	-0.66	0.00	0.19	0.01	CO 9			
	Max M _y	-0.52				0.01	-2.06	0.00	0.69	0.01	CO 6			
	Min M _y	0.48				0.00	-0.66	0.00	0.19	0.01	CO 13			
	Max M _z	-0.53				0.01	-2.06	0.00	0.69	0.01	CO 3			
	Min M _z	0.48				0.00	-0.66	0.00	0.19	0.01	CO 14			
0.464 Left	Max N	0.29				0.00	-0.34	0.00	-0.04	0.01	CO 12			
	Min N	-0.74				0.01	-1.31	0.00	-0.12	0.01	CO 1			
	Max V _y	-0.73				0.01	-1.31	0.00	-0.12	0.01	CO 3			
	Min V _y	0.28				0.00	-0.34	0.00	-0.04	0.01	CO 14			
	Max V _z	0.27				0.00	-0.34	0.00	-0.04	0.01	CO 13			
	Min V _z	-0.73				0.01	-1.31	0.00	-0.12	0.01	CO 6			
	Max M _T	-0.74				0.01	-1.31	0.00	-0.12	0.01	CO 8			
	Min M _T	0.28				0.00	-0.34	0.00	-0.04	0.01	CO 9			
	Max M _y	0.29				0.00	-0.34	0.00	-0.04	0.01	CO 12			
	Min M _y	-0.74				0.01	-1.31	0.00	-0.12	0.01	CO 1			
	Max M _z	-0.73				0.01	-1.31	0.00	-0.12	0.01	CO 3			
	Min M _z	0.28				0.00	-0.34	0.00	-0.04	0.01	CO 14			
0.464 Right	Max N	0.29				0.00	-0.34	0.00	-0.04	0.01	CO 12			
	Min N	-0.74				0.01	-1.31	0.00	-0.12	0.01	CO 1			
	Max V _y	-0.73				0.01	-1.31	0.00	-0.12	0.01	CO 3			
	Min V _y	0.28				0.00	-0.34	0.00	-0.04	0.01	CO 14			
	Max V _z	0.27				0.00	-0.34	0.00	-0.04	0.01	CO 13			
	Min V _z	-0.73				0.01	-1.31	0.00	-0.12	0.01	CO 6			
	Max M _T	-0.74				0.01	-1.31	0.00	-0.12	0.01	CO 8			
	Min M _T	0.28				0.00	-0.34	0.00	-0.04	0.01	CO 9			
	Max M _y	0.29				0.00	-0.34	0.00	-0.04	0.01	CO 12			

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
162	RC1		1.832 Left	Min M _y	-0.74	0.01	-1.31	0.00	-0.12	0.01	CO 1
				Max M _z	-0.73	0.01	-1.31	0.00	-0.12	0.01	CO 3
				Min M _z	0.28	0.00	-0.34	0.00	-0.04	0.01	CO 14
				Max N	-0.32	0.00	0.59	0.00	0.13	0.00	CO 12
				Min N	-1.35	0.00	2.19	0.00	0.47	0.00	CO 1
				Max V _y	-0.33	0.00	0.59	0.00	0.13	0.00	CO 9
				Min V _y	-1.35	0.00	2.19	0.00	0.47	0.00	CO 8
				Max V _z	-1.35	0.00	2.19	0.00	0.47	0.00	CO 1
				Min V _z	-0.32	0.00	0.59	0.00	0.13	0.00	CO 12
				Max M _T	-1.34	0.00	2.19	0.00	0.47	0.00	CO 6
				Min M _T	-0.33	0.00	0.59	0.00	0.13	0.00	CO 9
				Max M _y	-1.35	0.00	2.19	0.00	0.47	0.00	CO 1
				Min M _y	-0.32	0.00	0.59	0.00	0.13	0.00	CO 12
				Max M _z	-1.34	0.00	2.19	0.00	0.47	0.00	CO 3
				Min M _z	-0.33	0.00	0.59	0.00	0.13	0.00	CO 14
		171	1.832 Right	Max N	-0.32	0.00	0.59	0.00	0.13	0.00	CO 12
				Min N	-1.35	0.00	2.19	0.00	0.47	0.00	CO 1
				Max V _y	-0.33	0.00	0.59	0.00	0.13	0.00	CO 9
				Min V _y	-1.35	0.00	2.19	0.00	0.47	0.00	CO 8
				Max V _z	-1.35	0.00	2.19	0.00	0.47	0.00	CO 1
				Min V _z	-0.32	0.00	0.59	0.00	0.13	0.00	CO 12
				Max M _T	-1.34	0.00	2.19	0.00	0.47	0.00	CO 6
				Min M _T	-0.33	0.00	0.59	0.00	0.13	0.00	CO 9
				Max M _y	-1.35	0.00	2.19	0.00	0.47	0.00	CO 1
				Min M _y	-0.32	0.00	0.59	0.00	0.13	0.00	CO 12
				Max M _z	-1.34	0.00	2.19	0.00	0.47	0.00	CO 3
				Min M _z	-0.33	0.00	0.59	0.00	0.13	0.00	CO 14
	RC2	107	0.000 Left	Max N	0.38	0.00	-0.44	0.00	0.13	0.01	CO 26
				Min N	-0.39	0.00	-1.48	0.00	0.50	0.01	CO 15
				Max V _y	-0.38	0.00	-1.48	0.00	0.50	0.01	CO 17
				Min V _y	0.37	0.00	-0.44	0.00	0.13	0.01	CO 28
				Max V _z	0.37	0.00	-0.44	0.00	0.13	0.01	CO 27
				Min V _z	-0.38	0.00	-1.48	0.00	0.50	0.01	CO 20
				Max M _T	-0.39	0.00	-1.48	0.00	0.50	0.01	CO 22
				Min M _T	0.37	0.00	-0.44	0.00	0.13	0.01	CO 23
				Max M _y	-0.38	0.00	-1.48	0.00	0.50	0.01	CO 20
				Min M _y	0.37	0.00	-0.44	0.00	0.13	0.01	CO 27
				Max M _z	-0.38	0.00	-1.48	0.00	0.50	0.01	CO 17
				Min M _z	0.37	0.00	-0.44	0.00	0.13	0.01	CO 28
			0.000 Right	Max N	0.38	0.00	-0.44	0.00	0.13	0.01	CO 26
				Min N	-0.39	0.00	-1.48	0.00	0.50	0.01	CO 15
				Max V _y	-0.38	0.00	-1.48	0.00	0.50	0.01	CO 17
				Min V _y	0.37	0.00	-0.44	0.00	0.13	0.01	CO 28
				Max V _z	0.37	0.00	-0.44	0.00	0.13	0.01	CO 27
				Min V _z	-0.38	0.00	-1.48	0.00	0.50	0.01	CO 20
				Max M _T	-0.39	0.00	-1.48	0.00	0.50	0.01	CO 22
				Min M _T	0.37	0.00	-0.44	0.00	0.13	0.01	CO 23
				Max M _y	-0.38	0.00	-1.48	0.00	0.50	0.01	CO 20
				Min M _y	0.37	0.00	-0.44	0.00	0.13	0.01	CO 27
				Max M _z	-0.38	0.00	-1.48	0.00	0.50	0.01	CO 17
				Min M _z	0.37	0.00	-0.44	0.00	0.13	0.01	CO 28
			0.464 Left	Max N	0.24	0.00	-0.23	0.00	-0.03	0.01	CO 26
				Min N	-0.53	0.00	-0.95	0.00	-0.09	0.01	CO 15
				Max V _y	-0.52	0.00	-0.95	0.00	-0.09	0.01	CO 17
				Min V _y	0.23	0.00	-0.23	0.00	-0.03	0.01	CO 28
				Max V _z	0.23	0.00	-0.23	0.00	-0.03	0.01	CO 27
				Min V _z	-0.52	0.00	-0.95	0.00	-0.09	0.01	CO 20
				Max M _T	-0.53	0.00	-0.95	0.00	-0.09	0.01	CO 22
				Min M _T	0.23	0.00	-0.23	0.00	-0.03	0.01	CO 23
				Max M _y	-0.53	0.00	-0.95	0.00	-0.09	0.01	CO 26
				Min M _y	0.24	0.00	-0.23	0.00	-0.03	0.01	CO 15
				Max M _z	-0.52	0.00	-0.95	0.00	-0.09	0.01	CO 17
				Min M _z	0.23	0.00	-0.23	0.00	-0.03	0.01	CO 28
			0.464 Right	Max N	0.24	0.00	-0.23	0.00	-0.03	0.01	CO 26
				Min N	-0.53	0.00	-0.95	0.00	-0.09	0.01	CO 15
				Max V _y	-0.52	0.00	-0.95	0.00	-0.09	0.01	CO 17
				Min V _y	0.23	0.00	-0.23	0.00	-0.03	0.01	CO 28
				Max V _z	0.23	0.00	-0.23	0.00	-0.03	0.01	CO 27
				Min V _z	-0.52	0.00	-0.95	0.00	-0.09	0.01	CO 20
				Max M _T	-0.53	0.00	-0.95	0.00	-0.09	0.01	CO 22
				Min M _T	0.23	0.00	-0.23	0.00	-0.03	0.01	CO 23
				Max M _y	-0.53	0.00	-0.95	0.00	-0.09	0.01	CO 26
				Min M _y	0.24	0.00	-0.23	0.00	-0.03	0.01	CO 15
				Max M _z	-0.52	0.00	-0.95	0.00	-0.09	0.01	CO 17
				Min M _z	0.23	0.00	-0.23	0.00	-0.03	0.01	CO 28
		171	1.832 Left	Max N	-0.17	0.00	0.40	0.00	0.09	0.00	CO 26
				Min N	-0.94	0.00	1.58	0.00	0.34	0.00	CO 15
				Max V _y	-0.93	0.00	1.58	0.00	0.34	0.00	CO 17
				Min V _y	-0.18	0.00	0.40	0.00	0.09	0.00	CO 28
				Max V _z	-0.94	0.00	1.58	0.00	0.34	0.00	CO 15
				Min V _z	-0.17	0.00	0.40	0.00	0.09	0.00	CO 26
				Max M _T	-0.93	0.00	1.58	0.00	0.34	0.00	CO 20
				Min M _T	-0.18	0.00	0.40	0.00	0.09	0.00	CO 23
				Max M _y	-0.94	0.00	1.58	0.00	0.34	0.00	CO 15
				Min M _y	-0.17	0.00	0.40	0.00	0.09	0.00	CO 26
				Max M _z	-0.93	0.00	1.58	0.00	0.34	0.00	CO 17
				Min M _z	-0.18	0.00	0.40	0.00	0.09	0.00	CO 28
			1.832 Right	Max N	-0.17	0.00	0.40	0.00	0.09	0.00	CO 26
				Min N	-0.94	0.00	1.58	0.00	0.34	0.00	CO 15
				Max V _y	-0.93	0.00	1.58	0.00	0.34	0.00	CO 17
				Min V _y	-0.18	0.00	0.40	0.00	0.09	0.00	CO 28
				Max V _z	-0.94	0.00	1.58	0.00	0.34	0.00	CO 15
				Min V _z	-0.17	0.00	0.40	0.00	0.09	0.00	CO 26
				Max M _T	-0.93	0.00	1.58	0.00	0.34	0.00	CO 20
				Min M _T	-0.18	0.00	0.40	0.00	0.09	0.00	CO 23



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
162	RC2			Min V _z	-0.17	0.00	0.40	0.00	0.09	0.00	CO 26
				Max M _T	-0.93	0.00	1.58	0.00	0.34	0.00	CO 20
				Min M _T	-0.18	0.00	0.40	0.00	0.09	0.00	CO 23
				Max M _y	-0.94	0.00	1.58	0.00	0.34	0.00	CO 15
				Min M _y	-0.17	0.00	0.40	0.00	0.09	0.00	CO 26
				Max M _z	-0.93	0.00	1.58	0.00	0.34	0.00	CO 17
				Min M _z	-0.18	0.00	0.40	0.00	0.09	0.00	CO 28
	RC6	107	0.000 Left	Max N	1.43	-0.54	-1.13	0.00	0.38	-0.49	LC 1-5
				Min N	-1.67	0.54	-0.97	0.00	0.37	0.50	LC 1-4
				Max V _y	-0.49	2.03	-1.08	0.00	0.38	1.84	LC 1-5
				Min V _y	0.26	-2.02	-1.02	0.00	0.37	-1.82	LC 1-4
				Max V _z	-1.12	-0.16	-0.74	0.00	0.35	-0.14	LC 1-4
				Min V _z	0.89	0.16	-1.36	0.00	0.40	0.16	LC 1-5
				Max M _T	0.26	0.21	-1.04	0.00	0.38	0.16	LC 1-5
				Min M _T	-0.49	-0.21	-1.07	-0.00	0.37	-0.15	LC 1-4
				Max M _y	0.74	0.02	-1.31	0.00	0.40	0.02	LC 1-5
				Min M _y	-0.97	-0.01	-0.79	0.00	0.35	-0.00	LC 1-4
				Max M _z	-0.50	2.03	-1.08	0.00	0.38	1.84	LC 1-5
				Min M _z	0.26	-2.02	-1.02	0.00	0.37	-1.82	LC 1-4
			0.000 Right	Max N	1.43	-0.54	-1.13	0.00	0.38	-0.49	LC 1-5
				Min N	-1.67	0.54	-0.97	0.00	0.37	0.50	LC 1-4
				Max V _y	-0.49	2.03	-1.08	0.00	0.38	1.84	LC 1-5
				Min V _y	0.26	-2.02	-1.02	0.00	0.37	-1.82	LC 1-4
				Max V _z	-1.12	-0.16	-0.74	0.00	0.35	-0.14	LC 1-4
				Min V _z	0.89	0.16	-1.36	0.00	0.40	0.16	LC 1-5
				Max M _T	0.26	0.21	-1.04	0.00	0.38	0.16	LC 1-5
				Min M _T	-0.49	-0.21	-1.07	-0.00	0.37	-0.15	LC 1-4
				Max M _y	0.74	0.02	-1.31	0.00	0.40	0.02	LC 1-5
				Min M _y	-0.97	-0.01	-0.79	0.00	0.35	-0.00	LC 1-4
				Max M _z	-0.50	2.03	-1.08	0.00	0.38	1.84	LC 1-5
				Min M _z	0.26	-2.02	-1.02	0.00	0.37	-1.82	LC 1-4
	0.464 Left		0.464 Left	Max N	1.42	-0.54	-0.80	0.00	-0.09	-0.24	LC 1-5
				Min N	-1.68	0.54	-0.64	0.00	-0.03	0.25	LC 1-4
				Max V _y	-0.50	2.03	-0.75	0.00	-0.07	0.90	LC 1-5
				Min V _y	0.25	-2.02	-0.69	0.00	-0.05	-0.88	LC 1-4
				Max V _z	-1.13	-0.16	-0.41	0.00	0.06	-0.07	LC 1-4
				Min V _z	0.88	0.16	-1.03	0.00	-0.18	0.08	LC 1-5
				Max M _T	0.25	0.21	-0.70	0.00	-0.05	0.06	LC 1-5
				Min M _T	-0.50	-0.21	-0.74	-0.00	-0.07	-0.05	LC 1-4
				Max M _y	-1.12	-0.17	-0.42	0.00	0.06	-0.07	LC 1-5
				Min M _y	0.87	0.18	-1.02	0.00	-0.18	0.09	LC 1-4
				Max M _z	-0.51	2.03	-0.75	0.00	-0.07	0.90	LC 1-5
				Min M _z	0.26	-2.02	-0.69	0.00	-0.05	-0.89	LC 1-4
			0.464 Right	Max N	1.42	-0.54	-0.80	0.00	-0.09	-0.24	LC 1-5
				Min N	-1.68	0.54	-0.64	0.00	-0.03	0.25	LC 1-4
				Max V _y	-0.50	2.03	-0.75	0.00	-0.07	0.90	LC 1-5
				Min V _y	0.25	-2.02	-0.69	0.00	-0.05	-0.88	LC 1-4
				Max V _z	-1.13	-0.16	-0.41	0.00	0.06	-0.07	LC 1-4
				Min V _z	0.88	0.16	-1.03	0.00	-0.18	0.08	LC 1-5
				Max M _T	0.25	0.21	-0.70	0.00	-0.05	0.06	LC 1-5
				Min M _T	-0.50	-0.21	-0.74	-0.00	-0.07	-0.05	LC 1-4
				Max M _y	-1.12	-0.17	-0.42	0.00	0.06	-0.07	LC 1-5
				Min M _y	0.87	0.18	-1.02	0.00	-0.18	0.09	LC 1-4
				Max M _z	-0.51	2.03	-0.75	0.00	-0.07	0.90	LC 1-5
				Min M _z	0.26	-2.02	-0.69	0.00	-0.05	-0.89	LC 1-4
	1.832 Left		1.832 Left	Max N	1.40	-0.54	1.14	0.00	0.14	0.49	LC 1-5
				Min N	-1.70	0.54	1.30	0.00	0.41	-0.49	LC 1-4
				Max V _y	-0.53	2.03	1.19	0.00	0.23	-1.88	LC 1-5
				Min V _y	0.22	-2.02	1.24	0.00	0.33	1.88	LC 1-4
				Max V _z	-1.16	-0.16	1.53	0.00	0.82	0.15	LC 1-4
				Min V _z	0.85	0.16	0.91	0.00	-0.26	-0.15	LC 1-5
				Max M _T	0.22	0.21	1.23	0.00	0.31	-0.23	LC 1-5
				Min M _T	-0.53	-0.21	1.20	-0.00	0.24	0.23	LC 1-4
				Max M _y	-1.16	-0.16	1.53	0.00	0.82	0.15	LC 1-4
				Min M _y	0.85	0.17	0.91	0.00	-0.26	-0.15	LC 1-5
				Max M _z	0.23	-2.02	1.24	0.00	0.32	1.88	LC 1-5
				Min M _z	-0.53	2.03	1.19	0.00	0.23	-1.88	LC 1-4
	1.832 Right		1.832 Right	Max N	1.40	-0.54	1.14	0.00	0.14	0.49	LC 1-5
				Min N	-1.70	0.54	1.30	0.00	0.41	-0.49	LC 1-4
				Max V _y	-0.53	2.03	1.19	0.00	0.23	-1.88	LC 1-5
				Min V _y	0.22	-2.02	1.24	0.00	0.33	1.88	LC 1-4
				Max V _z	-1.16	-0.16	1.53	0.00	0.82	0.15	LC 1-4
				Min V _z	0.85	0.16	0.91	0.00	-0.26	-0.15	LC 1-5
				Max M _T	0.22	0.21	1.23	0.00	0.31	-0.23	LC 1-5
				Min M _T	-0.53	-0.21	1.20	-0.00	0.24	0.23	LC 1-4
				Max M _y	-1.16	-0.16	1.53	0.00	0.82	0.15	LC 1-4
				Min M _y	0.85	0.17	0.91	0.00	-0.26	-0.15	LC 1-5
				Max M _z	0.23	-2.02	1.24	0.00	0.32	1.88	LC 1-5
				Min M _z	-0.53	2.03	1.19	0.00	0.23	-1.88	LC 1-4
165	RC1	111	0.000 Left	Max N	-4.53	-0.01	-0.45	0.00	0.03	-0.02	CO 14
				Min N	-11.53	-0.01	-2.02	0.00	0.43	-0.02	CO 5
				Max V _y	-11.53	-0.01	-2.03	0.00	0.43	-0.02	CO 6
				Min V _y	-4.54	-0.01	-0.45	0.00	0.03	-0.02	CO 9
				Max V _z	-4.53	-0.01	-0.45	0.00	0.03	-0.02	CO 13
				Min V _z	-11.53	-0.01	-2.03	0.00	0.43	-0.02	CO 6
				Max M _T	-11.53	-0.01	-2.02	0.00	0.43	-0.02	CO 2
				Min M _T	-4.54	-0.01	-0.45	0.00	0.03	-0.02	CO 11
				Max M _y	-11.53	-0.01	-2.03	0.00	0.43	-0.02	CO 6
				Min M _y	-4.53	-0.01	-0.45	0.00	0.03	-0.02	CO 13
				Max M _z	-4.54	-0.01	-0.46	0.00	0.03	-0.02	CO 12
				Min M _z	-11.53	-0.01	-2.02	0.00	0.43	-0.02	CO 3
			0.000	Max N	-4.53	-0.01	-0.45	0.00	0.03	-0.02	CO 14



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
165	RC1		Right	Min N	-11.53	-0.01	-2.02	0.00	0.43	-0.02	CO 5
				Max V _y	-11.53	-0.01	-2.03	0.00	0.43	-0.02	CO 6
				Min V _y	-4.54	-0.01	-0.45	0.00	0.03	-0.02	CO 9
				Max V _z	-4.53	-0.01	-0.45	0.00	0.03	-0.02	CO 13
				Min V _z	-11.53	-0.01	-2.03	0.00	0.43	-0.02	CO 6
				Max M _T	-11.53	-0.01	-2.02	0.00	0.43	-0.02	CO 2
				Min M _T	-4.54	-0.01	-0.45	0.00	0.03	-0.02	CO 11
				Max M _y	-11.53	-0.01	-2.03	0.00	0.43	-0.02	CO 6
				Min M _y	-4.53	-0.01	-0.45	0.00	0.03	-0.02	CO 13
				Max M _z	-4.54	-0.01	-0.46	0.00	0.03	-0.02	CO 12
				Min M _z	-11.53	-0.01	-2.02	0.00	0.43	-0.02	CO 3
			1.729 Left	Max N	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 14
				Min N	-10.72	-0.02	2.41	0.00	0.78	0.00	CO 5
				Max V _y	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 14
				Min V _y	-10.71	-0.02	2.41	0.00	0.78	0.00	CO 3
				Max V _z	-10.71	-0.02	2.41	0.00	0.78	0.00	CO 1
				Min V _z	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 12
				Max M _T	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 14
				Min M _T	-10.71	-0.02	2.41	0.00	0.78	0.00	CO 3
				Max M _y	-10.71	-0.02	2.41	0.00	0.78	0.00	CO 1
				Min M _y	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 12
				Max M _z	-10.71	-0.02	2.41	0.00	0.78	0.00	CO 3
				Min M _z	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 10
		168	1.729 Right	Max N	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 14
				Min N	-10.72	-0.02	2.41	0.00	0.78	0.00	CO 5
				Max V _y	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 14
				Min V _y	-10.71	-0.02	2.41	0.00	0.78	0.00	CO 3
				Max V _z	-10.71	-0.02	2.41	0.00	0.78	0.00	CO 1
				Min V _z	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 12
				Max M _T	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 14
				Min M _T	-10.71	-0.02	2.41	0.00	0.78	0.00	CO 3
				Max M _y	-10.71	-0.02	2.41	0.00	0.78	0.00	CO 1
				Min M _y	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 12
				Max M _z	-10.71	-0.02	2.41	0.00	0.78	0.00	CO 3
				Min M _z	-3.72	-0.01	0.70	0.00	0.24	0.00	CO 10
	RC2	111	0.000 Left	Max N	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 28
				Min N	-8.25	-0.01	-1.46	0.00	0.31	-0.01	CO 19
				Max V _y	-8.25	-0.01	-1.46	0.00	0.31	-0.01	CO 22
				Min V _y	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 23
				Max V _z	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 27
				Min V _z	-8.25	-0.01	-1.46	0.00	0.31	-0.01	CO 20
				Max M _T	-8.24	-0.01	-1.46	0.00	0.31	-0.01	CO 16
				Min M _T	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 25
				Max M _y	-8.25	-0.01	-1.46	0.00	0.31	-0.01	CO 20
				Min M _y	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 27
				Max M _z	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 26
				Min M _z	-8.24	-0.01	-1.46	0.00	0.31	-0.01	CO 15
			0.000 Right	Max N	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 28
				Min N	-8.25	-0.01	-1.46	0.00	0.31	-0.01	CO 19
				Max V _y	-8.25	-0.01	-1.46	0.00	0.31	-0.01	CO 22
				Min V _y	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 23
				Max V _z	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 27
				Min V _z	-8.25	-0.01	-1.46	0.00	0.31	-0.01	CO 20
				Max M _T	-8.24	-0.01	-1.46	0.00	0.31	-0.01	CO 16
				Min M _T	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 25
				Max M _y	-8.25	-0.01	-1.46	0.00	0.31	-0.01	CO 20
				Min M _y	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 27
				Max M _z	-3.07	-0.01	-0.30	0.00	0.01	-0.01	CO 26
				Min M _z	-8.24	-0.01	-1.46	0.00	0.31	-0.01	CO 15
			1.729 Left	Max N	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 28
				Min N	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 19
				Max V _y	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 28
				Min V _y	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 15
				Max V _z	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 15
				Min V _z	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 26
				Max M _T	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 22
				Min M _T	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 25
				Max M _y	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 15
				Min M _y	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 26
				Max M _z	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 17
				Min M _z	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 24
		168	1.729 Right	Max N	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 28
				Min N	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 19
				Max V _y	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 28
				Min V _y	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 15
				Max V _z	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 15
				Min V _z	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 26
				Max M _T	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 22
				Min M _T	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 25
				Max M _y	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 15
				Min M _y	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 26
				Max M _z	-7.70	-0.01	1.74	0.00	0.56	0.00	CO 17
				Min M _z	-2.52	-0.01	0.47	0.00	0.16	0.00	CO 24
RC6		111	0.000 Left	Max N	-3.36	0.06	-1.84	0.00	0.88	0.04	LC 1-4
				Min N	-8.00	-0.08	-0.37	0.00	-0.48	-0.08	LC 1-5
				Max V _y	-5.57	2.90	-1.08	0.00	0.18	2.50	LC 1-5
				Min V _y	-5.79	-2.92	-1.12	0.00	0.22	-2.54	LC 1-4
				Max V _z	-7.95	0.12	-0.35	0.00	-0.50	0.09	LC 1-4
				Min V _z	-3.41	-0.14	-1.85	0.00	0.90	-0.13	LC 1-5
				Max M _T	-5.59	0.37	-1.11	0.00	0.21	0.31	LC 1-4
				Min M _T	-5.77	-0.39	-1.09	-0.00	0.19	-0.34	LC 1-5
				Max M _y	-3.41	-0.13	-1.85	0.00	0.90	-0.12	LC 1-5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding						
					N	V _y	V _z	M _T	M _y	M _z	Load Cases						
165	RC6		0.000 Right	Min M _y	-7.95	0.11	-0.35	0.00	▷	-0.50	0.09	LC 1-4					
				Max M _z	-5.57	2.90	-1.08	0.00	▷	0.18	▷	2.50	LC 1-5				
				Min M _z	-5.79	-2.92	-1.12	0.00	▷	0.22	▷	-2.54	LC 1-4				
				Max N	-3.36	0.06	-1.84	0.00	▷	0.88	▷	0.04	LC 1-4				
				Min N	-8.00	-0.08	-0.37	0.00	▷	-0.48	▷	-0.08	LC 1-5				
				Max V _y	-5.57	▷	2.90	0.00	▷	0.18	▷	2.50	LC 1-5				
				Min V _y	-5.79	▷	-2.92	0.00	▷	0.22	▷	-2.54	LC 1-4				
				Max V _z	-7.95	▷	0.12	▷	-0.35	0.00	▷	-0.50	0.09	LC 1-4			
				Min V _z	-3.41	▷	-0.14	▷	-1.85	0.00	▷	0.90	-0.13	LC 1-5			
				Max M _T	-5.59	▷	0.37	▷	-1.11	▷	0.00	▷	0.21	0.31	LC 1-4		
				Min M _T	-5.77	▷	-0.39	▷	-1.09	▷	-0.00	▷	0.19	-0.34	LC 1-5		
				Max M _y	-3.41	▷	-0.13	▷	-1.85	▷	0.00	▷	0.90	-0.12	LC 1-5		
				Min M _y	-7.95	▷	0.11	▷	-0.35	▷	0.00	▷	-0.50	0.09	LC 1-4		
				Max M _z	-5.57	▷	2.90	0.00	▷	-1.08	▷	0.18	▷	2.50	LC 1-5		
				Min M _z	-5.79	▷	-2.92	0.00	▷	-1.12	▷	0.22	▷	-2.54	LC 1-4		
				1.729 Left	Max N	-3.33	▷	0.06	▷	0.64	▷	0.00	▷	-0.15	-0.06	LC 1-4	
					Min N	-7.96	▷	-0.08	▷	2.11	▷	0.00	▷	1.03	0.06	LC 1-5	
					Max V _y	-5.54	▷	2.90	▷	1.40	▷	0.00	▷	0.46	-2.51	LC 1-5	
					Min V _y	-5.75	▷	-2.92	▷	1.35	▷	0.00	▷	0.42	2.51	LC 1-4	
					Max V _z	-7.91	▷	0.12	▷	2.13	▷	0.00	▷	1.04	-0.11	LC 1-4	
					Min V _z	-3.38	▷	-0.14	▷	0.62	▷	0.00	▷	-0.16	0.11	LC 1-5	
					Max M _T	-5.55	▷	0.37	▷	1.37	▷	0.00	▷	0.44	-0.33	LC 1-4	
					Min M _T	-5.74	▷	-0.39	▷	1.38	▷	-0.00	▷	0.45	0.33	LC 1-5	
					Max M _y	-7.91	▷	0.12	▷	2.13	▷	0.00	▷	1.04	-0.12	LC 1-4	
					Min M _y	-3.38	▷	-0.14	▷	0.62	▷	0.00	▷	-0.16	0.12	LC 1-5	
					Max M _z	-5.76	▷	-2.92	▷	1.35	▷	0.00	▷	0.42	▷	2.51	LC 1-5
					Min M _z	-5.53	▷	2.90	▷	1.40	▷	0.00	▷	0.46	▷	-2.51	LC 1-4
			168 1.729 Right		Max N	-3.33	▷	0.06	▷	0.64	▷	0.00	▷	-0.15	-0.06	LC 1-4	
					Min N	-7.96	▷	-0.08	▷	2.11	▷	0.00	▷	1.03	0.06	LC 1-5	
					Max V _y	-5.54	▷	2.90	▷	1.40	▷	0.00	▷	0.46	-2.51	LC 1-5	
					Min V _y	-5.75	▷	-2.92	▷	1.35	▷	0.00	▷	0.42	2.51	LC 1-4	
					Max V _z	-7.91	▷	0.12	▷	2.13	▷	0.00	▷	1.04	-0.11	LC 1-4	
					Min V _z	-3.38	▷	-0.14	▷	0.62	▷	0.00	▷	-0.16	0.11	LC 1-5	
					Max M _T	-5.55	▷	0.37	▷	1.37	▷	0.00	▷	0.44	-0.33	LC 1-4	
					Min M _T	-5.74	▷	-0.39	▷	1.38	▷	-0.00	▷	0.45	0.33	LC 1-5	
					Max M _y	-7.91	▷	0.12	▷	2.13	▷	0.00	▷	1.04	-0.12	LC 1-4	
					Min M _y	-3.38	▷	-0.14	▷	0.62	▷	0.00	▷	-0.16	0.12	LC 1-5	
					Max M _z	-5.76	▷	-2.92	▷	1.35	▷	0.00	▷	0.42	▷	2.51	LC 1-5
					Min M _z	-5.53	▷	2.90	▷	1.40	▷	0.00	▷	0.46	▷	-2.51	LC 1-4
				166 RC1 106 0.000 Left	Max N	-0.82	▷	-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 13	
					Min N	-2.79	▷	-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 6	
					Max V _y	-0.83	▷	-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 9	
					Min V _y	-2.79	▷	-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 8	
			Max V _z		-0.82	▷	-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 13		
			Min V _z		-2.79	▷	-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 6		
			Max M _T		-2.79	▷	-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 2		
			Min M _T		-0.83	▷	-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 11		
			Max M _y		-2.79	▷	-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 6		
			Min M _y		-0.82	▷	-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 13		
			Max M _z		-0.83	▷	-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 9		
			Min M _z		-2.79	▷	-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 8		
			0.000 Right		Max N	-0.82	▷	-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 13	
					Min N	-2.79	▷	-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 6	
Max V _y	-0.83	▷			-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 9				
Min V _y	-2.79	▷			-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 8				
Max V _z	-0.82	▷			-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 13				
Min V _z	-2.79	▷			-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 6				
Max M _T	-2.79	▷			-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 2				
Min M _T	-0.83	▷			-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 11				
Max M _y	-2.79	▷			-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 6				
Min M _y	-0.82	▷			-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 13				
Max M _z	-0.83	▷			-0.00	▷	-0.65	▷	0.00	▷	0.18	-0.00	CO 9				
Min M _z	-2.79	▷			-0.00	▷	-2.04	▷	0.00	▷	0.67	-0.00	CO 8				
0.464 Left	Max N	-1.03	▷		-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 13				
	Min N	-3.00	▷		-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 6				
	Max V _y	-1.03	▷		-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 9				
	Min V _y	-2.99	▷	-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 8					
	Max V _z	-1.03	▷	-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 13					
	Min V _z	-3.00	▷	-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 6					
	Max M _T	-2.99	▷	-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 2					
	Min M _T	-1.03	▷	-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 11					
	Max M _y	-1.03	▷	-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 14					
	Min M _y	-3.00	▷	-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 3					
	Max M _z	-1.03	▷	-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 9					
	Min M _z	-2.99	▷	-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 8					
0.464 Right	Max N	-1.03	▷	-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 13					
	Min N	-3.00	▷	-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 6					
	Max V _y	-1.03	▷	-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 9					
	Min V _y	-2.99	▷	-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 8					
	Max V _z	-1.03	▷	-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 13					
	Min V _z	-3.00	▷	-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 6					
	Max M _T	-2.99	▷	-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 2					
	Min M _T	-1.03	▷	-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 11					
	Max M _y	-1.03	▷	-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 14					
	Min M _y	-3.00	▷	-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 3					
	Max M _z	-1.03	▷	-0.00	▷	-0.33	▷	0.00	▷	-0.05	-0.00	CO 9					
	Min M _z	-2.99	▷	-0.00	▷	-1.30	▷	0.00	▷	-0.14	-0.00	CO 8					
	1.832 Left	Max N	-1.64	▷	-0.00	▷	0.60	▷	0.00	▷	0.13	0.00	CO 13				
		Min N	-3.61	▷	-0.00	▷	2.21	▷	0.00	▷	0.48	-0.00	CO 6				
		Max V _y	-1.64	▷	-0.00	▷	0.60	▷	0.00	▷	0.13	0.00	CO 9				
Min V _y		-3.61	▷	-0.00	▷	2.21	▷	0.00	▷	0.48	-0.00	CO 8					
Max V _z		-3.61	▷	-0.00	▷	2.21	▷	0.00	▷	0.48	-0.00	CO 1					

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
166	RC1			Min V _z	-1.64	-0.00	0.60	0.00	0.13	0.00	CO 12
				Max M _T	-3.61	-0.00	2.21	0.00	0.48	-0.00	CO 2
				Min M _T	-1.64	-0.00	0.60	0.00	0.13	0.00	CO 11
				Max M _y	-3.61	-0.00	2.21	0.00	0.48	-0.00	CO 1
				Min M _y	-1.64	-0.00	0.60	0.00	0.13	0.00	CO 12
				Max M _z	-1.64	-0.00	0.60	0.00	0.13	0.00	CO 12
				Min M _z	-3.61	-0.00	2.21	0.00	0.48	-0.00	CO 8
		169	1.832 Right	Max N	-1.64	-0.00	0.60	0.00	0.13	0.00	CO 13
				Min N	-3.61	-0.00	2.21	0.00	0.48	-0.00	CO 6
				Max V _y	-1.64	-0.00	0.60	0.00	0.13	0.00	CO 9
				Min V _y	-3.61	-0.00	2.21	0.00	0.48	-0.00	CO 8
				Max V _z	-3.61	-0.00	2.21	0.00	0.48	-0.00	CO 1
				Min V _z	-1.64	-0.00	0.60	0.00	0.13	0.00	CO 12
				Max M _T	-3.61	-0.00	2.21	0.00	0.48	-0.00	CO 2
				Min M _T	-1.64	-0.00	0.60	0.00	0.13	0.00	CO 11
				Max M _y	-3.61	-0.00	2.21	0.00	0.48	-0.00	CO 1
				Min M _y	-1.64	-0.00	0.60	0.00	0.13	0.00	CO 12
				Max M _z	-1.64	-0.00	0.60	0.00	0.13	0.00	CO 12
				Min M _z	-3.61	-0.00	2.21	0.00	0.48	-0.00	CO 8
	RC2	106	0.000 Left	Max N	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 27
				Min N	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 20
				Max V _y	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 23
				Min V _y	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 22
				Max V _z	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 27
				Min V _z	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 20
				Max M _T	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 16
				Min M _T	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 25
				Max M _y	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 20
				Min M _y	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 27
				Max M _z	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 23
				Min M _z	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 22
			0.000 Right	Max N	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 27
				Min N	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 20
				Max V _y	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 23
				Min V _y	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 22
				Max V _z	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 27
				Min V _z	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 20
				Max M _T	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 16
				Min M _T	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 25
				Max M _y	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 20
				Min M _y	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 27
				Max M _z	-0.55	-0.00	-0.44	0.00	0.12	-0.00	CO 23
				Min M _z	-2.01	-0.00	-1.46	0.00	0.48	-0.00	CO 22
			0.464 Left	Max N	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 27
				Min N	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 20
				Max V _y	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 23
				Min V _y	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 22
				Max V _z	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 27
				Min V _z	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 20
				Max M _T	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 16
				Min M _T	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 25
				Max M _y	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 28
				Min M _y	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 17
				Max M _z	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 23
				Min M _z	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 22
			0.464 Right	Max N	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 27
				Min N	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 20
				Max V _y	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 23
				Min V _y	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 22
				Max V _z	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 27
				Min V _z	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 20
				Max M _T	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 16
				Min M _T	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 25
				Max M _y	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 28
				Min M _y	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 17
				Max M _z	-0.69	-0.00	-0.22	0.00	-0.03	-0.00	CO 23
				Min M _z	-2.15	-0.00	-0.94	0.00	-0.10	-0.00	CO 22
			1.832 Left	Max N	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 27
				Min N	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 20
				Max V _y	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 23
				Min V _y	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 22
				Max V _z	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 15
				Min V _z	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 26
				Max M _T	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 16
				Min M _T	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 25
				Max M _y	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 15
				Min M _y	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 26
				Max M _z	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 26
				Min M _z	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 21
		169	1.832 Right	Max N	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 27
				Min N	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 20
				Max V _y	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 23
				Min V _y	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 22
				Max V _z	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 15
				Min V _z	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 26
				Max M _T	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 16
				Min M _T	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 25
				Max M _y	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 15
				Min M _y	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 26
				Max M _z	-1.10	-0.00	0.40	0.00	0.09	-0.00	CO 26
				Min M _z	-2.56	-0.00	1.59	0.00	0.35	-0.00	CO 21
	RC6	106	0.000	Max N	-0.45	0.25	-1.31	0.00	0.36	0.22	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
166	RC6		Left	Min N	-2.52	-0.25	-0.76	0.00	0.35	-0.23	LC 1-5	
				Max V _y	-1.24	1.67	-1.07	0.00	0.36	1.51	LC 1-4	
				Min V _y	-1.74	-1.67	-1.01	0.00	0.35	-1.52	LC 1-5	
				Max V _z	-2.39	-0.15	-0.73	0.00	0.34	-0.14	LC 1-4	
				Min V _z	-0.59	0.15	-1.35	0.00	0.37	0.14	LC 1-5	
				Max M _T	-1.57	0.05	-1.03	0.00	0.35	0.02	LC 1-4	
				Min M _T	-1.40	-0.05	-1.04	0.00	0.36	-0.03	LC 1-5	
				Max M _y	-1.25	0.04	-1.22	0.00	0.37	0.04	LC 1-5	
				Min M _y	-1.73	-0.04	-0.85	0.00	0.34	-0.04	LC 1-4	
				Max M _z	-1.24	1.67	-1.07	0.00	0.36	1.51	LC 1-5	
				Min M _z	-1.74	-1.67	-1.01	0.00	0.35	-1.52	LC 1-4	
			0.000 Right	Max N	-0.45	0.25	-1.31	0.00	0.36	0.22	LC 1-4	
				Min N	-2.52	-0.25	-0.76	0.00	0.35	-0.23	LC 1-5	
				Max V _y	-1.24	1.67	-1.07	0.00	0.36	1.51	LC 1-4	
				Min V _y	-1.74	-1.67	-1.01	0.00	0.35	-1.52	LC 1-5	
				Max V _z	-2.39	-0.15	-0.73	0.00	0.34	-0.14	LC 1-4	
				Min V _z	-0.59	0.15	-1.35	0.00	0.37	0.14	LC 1-5	
				Max M _T	-1.57	0.05	-1.03	0.00	0.35	0.02	LC 1-4	
				Min M _T	-1.40	-0.05	-1.04	0.00	0.36	-0.03	LC 1-5	
				Max M _y	-1.25	0.04	-1.22	0.00	0.37	0.04	LC 1-5	
				Min M _y	-1.73	-0.04	-0.85	0.00	0.34	-0.04	LC 1-4	
			0.464 Left	Max M _z	-1.24	1.67	-1.07	0.00	0.36	1.51	LC 1-5	
				Min M _z	-1.74	-1.67	-1.01	0.00	0.35	-1.52	LC 1-4	
				Max N	-0.46	0.25	-0.98	0.00	-0.20	0.11	LC 1-4	
				Min N	-2.53	-0.25	-0.43	0.00	0.05	-0.11	LC 1-5	
				Max V _y	-1.24	1.67	-0.74	0.00	-0.09	0.74	LC 1-4	
				Min V _y	-1.75	-1.67	-0.68	0.00	-0.06	-0.74	LC 1-5	
				Max V _z	-2.40	-0.15	-0.40	0.00	0.06	-0.07	LC 1-4	
				Min V _z	-0.59	0.15	-1.02	0.00	-0.21	0.07	LC 1-5	
				Max M _T	-1.58	0.05	-0.70	0.00	-0.07	-0.00	LC 1-4	
				Min M _T	-1.41	-0.05	-0.71	0.00	-0.07	-0.00	LC 1-5	
			0.464 Right	Max M _y	-2.44	-0.16	-0.40	0.00	0.06	-0.07	LC 1-5	
				Min M _y	-0.55	0.16	-1.02	0.00	-0.21	0.07	LC 1-4	
				Max M _z	-1.24	1.67	-0.74	0.00	-0.09	0.74	LC 1-5	
				Min M _z	-1.75	-1.67	-0.68	0.00	-0.06	-0.74	LC 1-4	
				Max N	-0.46	0.25	-0.98	0.00	-0.20	0.11	LC 1-4	
				Min N	-2.53	-0.25	-0.43	0.00	0.05	-0.11	LC 1-5	
				Max V _y	-1.24	1.67	-0.74	0.00	-0.09	0.74	LC 1-4	
				Min V _y	-1.75	-1.67	-0.68	0.00	-0.06	-0.74	LC 1-5	
				Max V _z	-2.40	-0.15	-0.39	0.00	0.06	-0.07	LC 1-4	
				Min V _z	-0.59	0.15	-1.02	0.00	-0.21	0.07	LC 1-5	
			1.832 Left	Max M _T	-1.58	0.05	-0.70	0.00	-0.07	-0.00	LC 1-4	
				Min M _T	-1.41	-0.05	-0.71	0.00	-0.07	-0.00	LC 1-5	
				Max M _y	-2.44	-0.16	-0.40	0.00	0.06	-0.07	LC 1-5	
				Min M _y	-0.55	0.16	-1.02	0.00	-0.21	0.07	LC 1-4	
				Max M _z	-1.24	1.67	-0.74	0.00	-0.09	0.74	LC 1-5	
				Min M _z	-1.75	-1.67	-0.68	0.00	-0.06	-0.74	LC 1-4	
				Max N	-0.49	0.25	0.96	0.00	-0.22	-0.23	LC 1-4	
				Min N	-2.56	-0.25	1.51	0.00	0.78	0.23	LC 1-5	
				Max V _y	-1.27	1.67	1.20	0.00	0.23	-1.54	LC 1-4	
				Min V _y	-1.77	-1.67	1.26	0.00	0.34	1.54	LC 1-5	
			1.832 Right	Max V _z	-2.42	-0.15	1.54	0.00	0.84	0.14	LC 1-4	
				Min V _z	-0.62	0.15	0.92	0.00	-0.28	-0.14	LC 1-5	
				Max M _T	-1.61	0.05	1.24	0.00	0.29	-0.07	LC 1-4	
				Min M _T	-1.44	-0.05	1.23	0.00	0.28	0.07	LC 1-5	
				Max M _y	-2.43	-0.16	1.54	0.00	0.84	0.14	LC 1-4	
				Min M _y	-0.61	0.15	0.92	0.00	-0.28	-0.14	LC 1-5	
				Max M _z	-1.77	-1.67	1.26	0.00	0.34	1.54	LC 1-5	
				Min M _z	-1.27	1.67	1.20	0.00	0.23	-1.55	LC 1-4	
				Max N	-0.49	0.25	0.96	0.00	-0.22	-0.23	LC 1-4	
				Min N	-2.56	-0.25	1.51	0.00	0.78	0.23	LC 1-5	
169	RC1	114	0.000 Left	Max V _y	-1.27	1.67	1.20	0.00	0.23	-1.54	LC 1-4	
				Min V _y	-1.77	-1.67	1.26	0.00	0.34	1.54	LC 1-5	
				Max V _z	-2.42	-0.15	1.54	0.00	0.84	0.14	LC 1-4	
				Min V _z	-0.62	0.15	0.92	0.00	-0.28	-0.14	LC 1-5	
				Max M _T	-1.61	0.05	1.24	0.00	0.29	-0.07	LC 1-4	
				Min M _T	-1.44	-0.05	1.23	0.00	0.28	0.07	LC 1-5	
				Max M _y	-2.43	-0.16	1.54	0.00	0.84	0.14	LC 1-4	
				Min M _y	-0.61	0.15	0.92	0.00	-0.28	-0.14	LC 1-5	
				Max M _z	-1.77	-1.67	1.26	0.00	0.34	1.54	LC 1-5	
				Min M _z	-1.27	1.67	1.20	0.00	0.23	-1.55	LC 1-4	
			0.000 Right	Max N	-2.88	-0.00	-0.46	0.00	0.03	-0.01	CO 12	
				Min N	-6.38	0.00	-2.04	0.00	0.43	-0.01	CO 1	
				Max V _y	-6.37	0.00	-2.04	0.00	0.43	-0.00	CO 8	
				Min V _y	-2.88	-0.00	-0.46	0.00	0.03	-0.01	CO 9	
				Max V _z	-2.88	-0.00	-0.46	0.00	0.02	-0.01	CO 13	
				Min V _z	-6.37	0.00	-2.04	0.00	0.43	-0.00	CO 6	
				Max M _T	-6.37	0.00	-2.04	0.00	0.43	-0.01	CO 3	
				Min M _T	-2.88	-0.00	-0.46	0.00	0.03	-0.01	CO 14	
				Max M _y	-6.37	0.00	-2.04	0.00	0.43	-0.00	CO 6	
				Min M _y	-2.88	-0.00	-0.46	0.00	0.02	-0.01	CO 13	
			0.000 Right	Max M _z	-6.37	0.00	-2.04	0.00	0.43	-0.00	CO 8	
				Min M _z	-2.88	-0.00	-0.46	0.00	0.03	-0.01	CO 9	
				Max N	-2.88	-0.00	-0.46	0.00	0.03	-0.01	CO 12	
				Min N	-6.38	0.00	-2.04	0.00	0.43	-0.01	CO 1	
				Max V _y	-6.37	0.00	-2.04	0.00	0.43	-0.00	CO 8	
				Min V _y	-2.88	-0.00	-0.46	0.00	0.03	-0.01	CO 9	
				Max V _z	-2.88	-0.00	-0.46	0.00	0.02	-0.01	CO 13	
				Min V _z	-6.37	0.00	-2.04	0.00	0.43	-0.00	CO 6	
				Max M _T	-6.37	0.00	-2.04	0.00	0.43	-0.01	CO 3	
				Min M _T	-2.88	-0.00	-0.46	0.00	0.03	-0.01	CO 14	
				Max M _y	-6.37	0.00	-2.04	0.00	0.43	-0.00	CO 6	

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
169	RC1	166	1.729 Left	Min M _y	-2.88	-0.00	-0.46	0.00	0.02	-0.01	CO 13
				Max M _z	-6.37	0.00	-2.04	0.00	0.43	-0.00	CO 8
				Min M _z	-2.88	-0.00	-0.46	0.00	0.03	-0.01	CO 9
				Max N	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 12
				Min N	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 1
				Max V _y	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 8
				Min V _y	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 9
				Max V _z	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 1
				Min V _z	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 12
				Max M _T	-5.55	-0.00	2.39	0.00	0.75	-0.01	CO 4
				Min M _T	-2.07	-0.00	0.69	0.00	0.22	-0.00	CO 14
				Max M _y	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 1
				Min M _y	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 12
				Max M _z	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 9
				Min M _z	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 8
				Max N	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 12
				Min N	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 1
				Max V _y	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 8
				Min V _y	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 9
				Max V _z	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 1
				Min V _z	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 12
				Max M _T	-5.55	-0.00	2.39	0.00	0.75	-0.01	CO 4
				Min M _T	-2.07	-0.00	0.69	0.00	0.22	-0.00	CO 14
				Max M _y	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 1
				Min M _y	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 12
				Max M _z	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 9
				Min M _z	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 8
	Max N	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 12			
	Min N	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 1			
	Max V _y	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 8			
	Min V _y	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 9			
	Max V _z	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 1			
	Min V _z	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 12			
	Max M _T	-5.55	-0.00	2.39	0.00	0.75	-0.01	CO 4			
	Min M _T	-2.07	-0.00	0.69	0.00	0.22	-0.00	CO 14			
	Max M _y	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 1			
	Min M _y	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 12			
	Max M _z	-2.06	-0.00	0.69	0.00	0.22	-0.00	CO 9			
	Min M _z	-5.56	-0.00	2.39	0.00	0.75	-0.01	CO 8			
	Max N	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 26			
	Min N	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 15			
	Max V _y	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 20			
	Min V _y	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 23			
	Max V _z	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 27			
	Min V _z	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 20			
	Max M _T	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 17			
	Min M _T	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 28			
	Max M _y	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 20			
	Min M _y	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 27			
	Max M _z	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 20			
	Min M _z	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 23			
	Max N	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 26			
	Min N	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 15			
	Max V _y	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 20			
	Min V _y	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 23			
	Max V _z	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 27			
	Min V _z	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 20			
	Max M _T	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 17			
	Min M _T	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 28			
	Max M _y	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 20			
	Min M _y	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 27			
	Max M _z	-4.54	0.00	-1.47	0.00	0.31	-0.00	CO 20			
	Min M _z	-1.94	-0.00	-0.30	0.00	0.01	-0.01	CO 23			
	Max N	-1.39	-0.00	0.47	0.00	0.15	-0.00	CO 26			
	Min N	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 15			
	Max V _y	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 20			
	Min V _y	-1.39	-0.00	0.47	0.00	0.15	-0.00	CO 23			
	Max V _z	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 15			
	Min V _z	-1.39	-0.00	0.47	0.00	0.15	-0.00	CO 26			
	Max M _T	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 17			
	Min M _T	-1.40	-0.00	0.47	0.00	0.15	-0.00	CO 28			
	Max M _y	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 15			
	Min M _y	-1.39	-0.00	0.47	0.00	0.15	-0.00	CO 26			
	Max M _z	-1.39	-0.00	0.47	0.00	0.15	-0.00	CO 23			
	Min M _z	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 20			
Max N	-1.39	-0.00	0.47	0.00	0.15	-0.00	CO 26				
Min N	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 15				
Max V _y	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 20				
Min V _y	-1.39	-0.00	0.47	0.00	0.15	-0.00	CO 23				
Max V _z	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 15				
Min V _z	-1.39	-0.00	0.47	0.00	0.15	-0.00	CO 26				
Max M _T	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 17				
Min M _T	-1.40	-0.00	0.47	0.00	0.15	-0.00	CO 28				
Max M _y	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 15				
Min M _y	-1.39	-0.00	0.47	0.00	0.15	-0.00	CO 26				
Max M _z	-1.39	-0.00	0.47	0.00	0.15	-0.00	CO 23				
Min M _z	-3.99	-0.00	1.73	0.00	0.54	-0.00	CO 20				
Max N	-0.14	1.11	-1.70	0.00	0.75	0.96	LC 1-5				
Min N	-5.50	-1.11	-0.52	0.00	-0.35	-0.97	LC 1-4				
Max V _y	-1.10	3.43	-1.10	0.00	0.19	2.97	LC 1-5				
Min V _y	-4.55	-3.43	-1.12	0.00	0.21	-2.98	LC 1-4				
Max V _z	-4.85	0.13	-0.43	0.00	-0.44	0.10	LC 1-4				
Min V _z	-0.80	-0.13	-1.80	0.00	0.84	-0.12	LC 1-5				
Max M _T	-2.41	0.16	-1.03	0.00	0.12	0.13	LC 1-4				
Min M _T	-3.23	-0.16	-1.20	-0.00	0.28	-0.14	LC 1-5				
Max M _y	-0.80	-0.14	-1.80	0.00	0.84	-0.12	LC 1-5				
Min M _y	-4.84	0.13	-0.43	0.00	-0.44	0.11	LC 1-4				
Max M _z	-1.10	3.43	-1.10	0.00	0.19	2.97	LC 1-5				
Min M _z	-4.55	-3.43	-1.12	0.00	0.21	-2.98	LC 1-4				
Max N	-0.14	1.11	-1.70	0.00	0.75	0.96	LC 1-5				
Min N	-5.50	-1.11	-0.52	0.00	-0.35	-0.97	LC 1-4				
Max V _y	-1.10	3.43	-1.10	0.00	0.19	2.97	LC 1-5				
Min V _y	-4.55	-3.43	-1.12	0.00	0.21	-2.98	LC 1-4				
Max V _z	-4.85	0.13	-0.43	0.00	-0.44	0.10	LC 1-4				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
169	RC6			Min V _z	-0.80	-0.13	▷ -1.80	0.00	0.84	-0.12	LC 1-5
				Max M _T	-2.41	0.16	-1.03	▷ 0.00	0.12	0.13	LC 1-4
				Min M _T	-3.23	-0.16	-1.20	▷ -0.00	0.28	-0.14	LC 1-5
				Max M _y	-0.80	-0.14	-1.80	0.00	▷ 0.84	-0.12	LC 1-5
				Min M _y	-4.84	0.13	-0.43	0.00	▷ -0.44	0.11	LC 1-4
				Max M _z	-1.10	3.43	-1.10	0.00	▷ 0.19	2.97	LC 1-5
				Min M _z	-4.55	-3.43	-1.12	0.00	▷ 0.21	-2.98	LC 1-4
		166	1.729 Left	Max N	-0.11	1.11	0.77	0.00	-0.05	-0.96	LC 1-5
				Min N	▷ -5.47	-1.11	1.95	0.00	▷ 0.89	0.96	LC 1-4
				Max V _y	-1.06	▷ 3.43	1.37	0.00	▷ 0.43	-2.96	LC 1-5
				Min V _y	-4.51	▷ -3.43	1.35	0.00	▷ 0.41	2.95	LC 1-4
				Max V _z	-4.81	0.13	▷ 2.05	0.00	▷ 0.97	-0.12	LC 1-4
				Min V _z	-0.76	-0.13	▷ 0.68	0.00	▷ -0.12	0.11	LC 1-5
				Max M _T	-2.38	0.16	1.45	▷ 0.00	▷ 0.49	-0.15	LC 1-4
				Min M _T	-3.20	-0.16	1.28	▷ -0.00	▷ 0.36	0.14	LC 1-5
				Max M _y	-4.82	0.12	2.05	0.00	▷ 0.97	-0.11	LC 1-4
				Min M _y	-0.76	-0.12	0.68	0.00	▷ -0.12	0.10	LC 1-5
				Max M _z	-4.51	-3.43	1.35	0.00	▷ 0.41	2.95	LC 1-4
				Min M _z	-1.06	3.43	1.37	0.00	▷ 0.43	-2.96	LC 1-5
			1.729 Right	Max N	▷ -0.11	1.11	0.77	0.00	-0.05	-0.96	LC 1-5
				Min N	▷ -5.47	-1.11	1.95	0.00	▷ 0.89	0.96	LC 1-4
				Max V _y	-1.06	▷ 3.43	1.37	0.00	▷ 0.43	-2.96	LC 1-5
				Min V _y	-4.51	▷ -3.43	1.35	0.00	▷ 0.41	2.95	LC 1-4
				Max V _z	-4.81	0.13	▷ 2.05	0.00	▷ 0.97	-0.12	LC 1-4
				Min V _z	-0.76	-0.13	▷ 0.68	0.00	▷ -0.12	0.11	LC 1-5
				Max M _T	-2.38	0.16	1.45	▷ 0.00	▷ 0.49	-0.15	LC 1-4
				Min M _T	-3.20	-0.16	1.28	▷ -0.00	▷ 0.36	0.14	LC 1-5
				Max M _y	-4.82	0.12	2.05	0.00	▷ 0.97	-0.11	LC 1-4
				Min M _y	-0.76	-0.12	0.68	0.00	▷ -0.12	0.10	LC 1-5
				Max M _z	-4.51	-3.43	1.35	0.00	▷ 0.41	2.95	LC 1-4
				Min M _z	-1.06	3.43	1.37	0.00	▷ 0.43	-2.96	LC 1-5
170	RC1	105	0.000 Left	Max N	0.89	-0.00	-2.05	-0.00	0.71	0.00	CO 3
				Min N	▷ 0.53	-0.00	-0.65	-0.00	0.19	-0.00	CO 14
				Max V _y	0.53	▷ -0.00	-0.65	-0.00	0.19	-0.00	CO 13
				Min V _y	0.89	▷ -0.00	-2.05	-0.00	0.71	0.00	CO 2
				Max V _z	0.53	-0.00	▷ -0.65	-0.00	0.19	-0.00	CO 13
				Min V _z	0.89	-0.00	▷ -2.05	-0.00	0.71	0.00	CO 6
				Max M _T	0.53	-0.00	-0.65	▷ -0.00	0.19	-0.00	CO 13
				Min M _T	0.89	-0.00	-2.05	▷ -0.00	0.71	0.00	CO 6
				Max M _y	0.89	-0.00	-2.05	-0.00	▷ 0.71	0.00	CO 6
				Min M _y	0.53	-0.00	-0.65	-0.00	▷ 0.19	-0.00	CO 13
				Max M _z	0.89	-0.00	-2.05	-0.00	▷ 0.71	0.00	CO 7
				Min M _z	0.54	-0.00	-0.65	-0.00	▷ 0.19	-0.00	CO 10
			0.000 Right	Max N	0.89	-0.00	-2.05	-0.00	0.71	0.00	CO 3
				Min N	▷ 0.53	-0.00	-0.65	-0.00	0.19	-0.00	CO 14
				Max V _y	0.53	▷ -0.00	-0.65	-0.00	0.19	-0.00	CO 13
				Min V _y	0.89	-0.00	-2.05	-0.00	0.71	0.00	CO 2
				Max V _z	0.53	-0.00	▷ -0.65	-0.00	0.19	-0.00	CO 13
				Min V _z	0.89	-0.00	▷ -2.05	-0.00	0.71	0.00	CO 6
				Max M _T	0.53	-0.00	-0.65	▷ -0.00	0.19	-0.00	CO 13
				Min M _T	0.89	-0.00	-2.05	▷ -0.00	0.71	0.00	CO 6
				Max M _y	0.89	-0.00	-2.05	-0.00	▷ 0.71	0.00	CO 6
				Min M _y	0.53	-0.00	-0.65	-0.00	▷ 0.19	-0.00	CO 13
				Max M _z	0.89	-0.00	-2.05	-0.00	▷ 0.71	0.00	CO 7
				Min M _z	0.54	-0.00	-0.65	-0.00	▷ 0.19	-0.00	CO 10
			0.464 Left	Max N	0.69	-0.00	-1.31	-0.00	-0.11	0.00	CO 3
				Min N	▷ 0.32	-0.00	-0.34	-0.00	-0.04	-0.00	CO 14
				Max V _y	0.33	▷ -0.00	-0.34	-0.00	-0.04	-0.00	CO 13
				Min V _y	0.68	▷ -0.00	-1.31	-0.00	-0.11	0.00	CO 2
				Max V _z	0.33	-0.00	▷ -0.34	-0.00	-0.04	-0.00	CO 13
				Min V _z	0.68	-0.00	▷ -1.31	-0.00	-0.11	0.00	CO 6
				Max M _T	0.33	-0.00	-0.34	▷ -0.00	-0.04	-0.00	CO 13
				Min M _T	0.68	-0.00	-1.31	▷ -0.00	-0.11	0.00	CO 6
				Max M _y	0.33	-0.00	-0.34	-0.00	▷ -0.04	-0.00	CO 12
				Min M _y	0.68	-0.00	-1.31	-0.00	▷ -0.11	0.00	CO 1
				Max M _z	0.68	-0.00	-1.31	-0.00	▷ -0.11	0.00	CO 7
				Min M _z	0.33	-0.00	-0.34	-0.00	▷ -0.04	-0.00	CO 10
			0.464 Right	Max N	0.69	-0.00	-1.31	-0.00	-0.11	0.00	CO 3
				Min N	▷ 0.32	-0.00	-0.34	-0.00	-0.04	-0.00	CO 14
				Max V _y	0.33	▷ -0.00	-0.34	-0.00	-0.04	-0.00	CO 13
				Min V _y	0.68	▷ -0.00	-1.31	-0.00	-0.11	0.00	CO 2
				Max V _z	0.33	-0.00	▷ -0.34	-0.00	-0.04	-0.00	CO 13
				Min V _z	0.68	-0.00	▷ -1.31	-0.00	-0.11	0.00	CO 6
				Max M _T	0.33	-0.00	-0.34	▷ -0.00	-0.04	-0.00	CO 13
				Min M _T	0.68	-0.00	-1.31	▷ -0.00	-0.11	0.00	CO 6
				Max M _y	0.33	-0.00	-0.34	-0.00	▷ -0.04	-0.00	CO 12
				Min M _y	0.68	-0.00	-1.31	-0.00	▷ -0.11	0.00	CO 1
				Max M _z	0.68	-0.00	-1.31	-0.00	▷ -0.11	0.00	CO 7
				Min M _z	0.33	-0.00	-0.34	-0.00	▷ -0.04	-0.00	CO 10
			1.832 Left	Max N	0.08	-0.00	2.19	-0.00	0.49	0.00	CO 3
				Min N	▷ -0.28	-0.00	0.60	-0.00	0.14	0.00	CO 14
				Max V _y	0.08	▷ -0.00	2.19	-0.00	0.49	0.00	CO 5
				Min V _y	-0.28	-0.00	0.60	-0.00	0.14	0.00	CO 10
				Max V _z	0.07	-0.00	▷ 2.19	-0.00	0.49	0.00	CO 1
				Min V _z	-0.28	-0.00	▷ 0.60	-0.00	0.14	0.00	CO 12
				Max M _T	-0.28	-0.00	▷ 0.60	-0.00	0.14	0.00	CO 13
				Min M _T	0.07	-0.00	2.19	▷ -0.00	0.49	0.00	CO 6
				Max M _y	0.07	-0.00	2.19	-0.00	▷ 0.49	0.00	CO 1
				Min M _y	-0.28	-0.00	0.60	-0.00	▷ 0.14	0.00	CO 12
				Max M _z	0.07	-0.00	2.19	-0.00	▷ 0.49	0.00	CO 8
			1.832	Min M _z	-0.27	-0.00	0.60	-0.00	▷ 0.14	0.00	CO 9
				Max N	▷ 0.08	-0.00	2.19	-0.00	0.49	0.00	CO 3



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
170	RC1		Right	Min N	-0.28	-0.00	0.60	-0.00	0.14	0.00	CO 14
				Max V _y	0.08	-0.00	2.19	-0.00	0.49	0.00	CO 5
				Min V _y	-0.28	-0.00	0.60	-0.00	0.14	0.00	CO 10
				Max V _z	0.07	-0.00	2.19	-0.00	0.49	0.00	CO 1
				Min V _z	-0.28	-0.00	0.60	-0.00	0.14	0.00	CO 12
				Max M _T	-0.28	-0.00	0.60	-0.00	0.14	0.00	CO 13
				Min M _T	0.07	-0.00	2.19	-0.00	0.49	0.00	CO 6
				Max M _y	0.07	-0.00	2.19	-0.00	0.49	0.00	CO 1
				Min M _y	-0.28	-0.00	0.60	-0.00	0.14	0.00	CO 12
				Max M _z	0.07	-0.00	2.19	-0.00	0.49	0.00	CO 8
	RC2	105	0.000 Left	Min M _z	-0.27	-0.00	0.60	-0.00	0.14	0.00	CO 9
				Max N	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 17
				Min N	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 28
				Max V _y	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 27
				Min V _y	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 18
				Max V _z	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 27
				Min V _z	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 20
				Max M _T	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 27
				Min M _T	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 20
				Max M _y	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 20
			0.000 Right	Min M _y	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 27
				Max M _z	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 21
				Min M _z	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 24
				Max N	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 17
				Min N	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 28
				Max V _y	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 27
				Min V _y	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 18
				Max V _z	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 27
				Min V _z	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 20
				Max M _T	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 27
			0.464 Left	Min M _T	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 20
				Max M _y	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 20
				Min M _y	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 27
				Max M _z	0.60	-0.00	-1.47	-0.00	0.51	0.00	CO 21
				Min M _z	0.35	-0.00	-0.44	-0.00	0.12	-0.00	CO 24
				Max N	0.47	-0.00	-0.94	-0.00	-0.08	0.00	CO 17
				Min N	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 28
				Max V _y	0.47	-0.00	-0.94	-0.00	-0.08	0.00	CO 17
				Min V _y	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 24
				Max V _z	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 27
			0.464 Right	Min V _z	0.46	-0.00	-0.94	-0.00	-0.08	0.00	CO 20
				Max M _T	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 27
				Min M _T	0.46	-0.00	-0.94	-0.00	-0.08	0.00	CO 20
				Max M _y	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 26
				Min M _y	0.46	-0.00	-0.94	-0.00	-0.08	0.00	CO 15
				Max M _z	0.46	-0.00	-0.94	-0.00	-0.08	0.00	CO 21
				Min M _z	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 24
				Max N	0.47	-0.00	-0.94	-0.00	-0.08	0.00	CO 17
				Min N	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 28
				Max V _y	0.47	-0.00	-0.94	-0.00	-0.08	0.00	CO 17
			1.832 Left	Min V _y	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 24
				Max V _z	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 27
				Min V _z	0.46	-0.00	-0.94	-0.00	-0.08	0.00	CO 20
				Max M _T	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 27
				Min M _T	0.46	-0.00	-0.94	-0.00	-0.08	0.00	CO 20
				Max M _y	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 26
				Min M _y	0.46	-0.00	-0.94	-0.00	-0.08	0.00	CO 15
				Max M _z	0.46	-0.00	-0.94	-0.00	-0.08	0.00	CO 21
				Min M _z	0.21	-0.00	-0.22	-0.00	-0.03	-0.00	CO 24
				Max N	0.06	0.00	1.58	-0.00	0.36	0.00	CO 17
	RC6	105	0.000 Left	Min N	-0.20	-0.00	0.40	-0.00	0.09	0.00	CO 28
				Max V _y	0.06	0.00	1.58	-0.00	0.36	0.00	CO 17
				Min V _y	-0.20	-0.00	0.40	-0.00	0.09	0.00	CO 24
				Max V _z	0.05	0.00	1.58	-0.00	0.36	0.00	CO 15
				Min V _z	-0.20	-0.00	0.40	-0.00	0.09	0.00	CO 26
				Max M _T	-0.20	-0.00	0.40	-0.00	0.09	0.00	CO 27
				Min M _T	0.05	0.00	1.58	-0.00	0.36	0.00	CO 20
				Max M _y	0.05	0.00	1.58	-0.00	0.36	0.00	CO 15
				Min M _y	-0.20	-0.00	0.40	-0.00	0.09	0.00	CO 26
				Max M _z	0.05	0.00	1.58	-0.00	0.36	0.00	CO 22
			1.832 Right	Min M _z	-0.19	-0.00	0.40	-0.00	0.09	0.00	CO 23
				Max N	0.06	0.00	1.58	-0.00	0.36	0.00	CO 17
				Min N	-0.20	-0.00	0.40	-0.00	0.09	0.00	CO 28
				Max V _y	0.06	0.00	1.58	-0.00	0.36	0.00	CO 17
				Min V _y	-0.20	-0.00	0.40	-0.00	0.09	0.00	CO 24
				Max V _z	0.05	0.00	1.58	-0.00	0.36	0.00	CO 15
				Min V _z	-0.20	-0.00	0.40	-0.00	0.09	0.00	CO 26
				Max M _T	-0.20	-0.00	0.40	-0.00	0.09	0.00	CO 27
				Min M _T	0.05	0.00	1.58	-0.00	0.36	0.00	CO 20
				Max M _y	0.05	0.00	1.58	-0.00	0.36	0.00	CO 15
			0.000 Left	Min M _y	-0.20	-0.00	0.40	-0.00	0.09	0.00	CO 26
				Max M _z	0.05	0.00	1.58	-0.00	0.36	0.00	CO 22
				Min M _z	-0.19	-0.00	0.40	-0.00	0.09	0.00	CO 23
				Max N	2.96	0.79	-1.17	-0.00	0.40	0.73	LC 1-4
				Min N	-2.63	-0.79	-0.93	0.00	0.36	-0.72	LC 1-5
				Max V _y	1.28	1.89	-1.07	0.00	0.39	1.71	LC 1-4
				Min V _y	-0.95	-1.89	-1.03	-0.00	0.38	-1.71	LC 1-5
				Max V _z	-1.25	-0.14	-0.76	-0.00	0.36	-0.13	LC 1-4
				Min V _z	1.58	0.15	-1.33	-0.00	0.41	0.14	LC 1-5
				Max M _T	-0.36	0.32	-1.06	0.00	0.38	0.26	LC 1-4
				Min M _T	0.69	-0.32	-1.03	-0.00	0.39	-0.26	LC 1-5
				Max M _y	1.61	0.19	-1.32	-0.00	0.41	0.18	LC 1-5

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding	
					N	V _y	V _z	M _T	M _y	M _z	Load Cases	
170	RC6		0.000 Right	Min M _y	-1.27	-0.19	-0.78	-0.00	0.36	-0.17	LC 1-4	
				Max M _z	1.30	1.89	-1.07	0.00	0.39	1.71	LC 1-4	
				Min M _z	-0.97	-1.89	-1.03	-0.00	0.38	-1.71	LC 1-5	
				Max N	2.96	0.79	-1.17	-0.00	0.40	0.73	LC 1-4	
				Min N	-2.63	-0.79	-0.93	0.00	0.36	-0.72	LC 1-5	
				Max V _y	1.28	1.89	-1.07	0.00	0.39	1.71	LC 1-4	
				Min V _y	-0.95	-1.89	-1.03	-0.00	0.38	-1.71	LC 1-5	
				Max V _z	-1.25	-0.14	-0.76	-0.00	0.36	-0.13	LC 1-4	
				Min V _z	1.58	0.15	-1.33	-0.00	0.41	0.14	LC 1-5	
				Max M _T	-0.36	0.32	-1.06	0.00	0.38	0.26	LC 1-4	
				Min M _T	0.69	-0.32	-1.03	-0.00	0.39	-0.26	LC 1-5	
				Max M _y	1.61	0.19	-1.32	-0.00	0.41	0.18	LC 1-5	
				Min M _y	-1.27	-0.19	-0.78	-0.00	0.36	-0.17	LC 1-4	
				Max M _z	1.30	1.89	-1.07	0.00	0.39	1.71	LC 1-4	
				Min M _z	-0.97	-1.89	-1.03	-0.00	0.38	-1.71	LC 1-5	
				0.464 Left	Max N	2.95	0.79	-0.84	-0.00	-0.09	0.36	LC 1-4
					Min N	-2.64	-0.79	-0.60	0.00	-0.01	-0.36	LC 1-5
					Max V _y	1.28	1.89	-0.74	0.00	-0.06	0.83	LC 1-4
					Min V _y	-0.96	-1.89	-0.69	-0.00	-0.05	-0.83	LC 1-5
					Max V _z	-1.26	-0.14	-0.43	-0.00	0.05	-0.06	LC 1-4
					Min V _z	1.57	0.15	-1.00	-0.00	-0.16	0.07	LC 1-5
					Max M _T	-0.37	0.32	-0.73	0.00	-0.06	0.11	LC 1-4
					Min M _T	0.68	-0.32	-0.70	-0.00	-0.04	-0.11	LC 1-5
					Max M _y	-1.14	-0.09	-0.44	-0.00	0.06	-0.04	LC 1-5
					Min M _y	1.45	0.10	-1.00	-0.00	-0.16	0.04	LC 1-4
					Max M _z	1.31	1.89	-0.74	0.00	-0.06	0.84	LC 1-4
					Min M _z	-0.99	-1.89	-0.69	-0.00	-0.05	-0.83	LC 1-5
				0.464 Right	Max N	2.95	0.79	-0.84	-0.00	-0.09	0.36	LC 1-4
					Min N	-2.64	-0.79	-0.60	0.00	-0.01	-0.36	LC 1-5
					Max V _y	1.28	1.89	-0.74	0.00	-0.06	0.83	LC 1-4
					Min V _y	-0.96	-1.89	-0.69	-0.00	-0.05	-0.83	LC 1-5
					Max V _z	-1.26	-0.14	-0.43	-0.00	0.05	-0.06	LC 1-4
					Min V _z	1.57	0.15	-1.00	-0.00	-0.16	0.07	LC 1-5
					Max M _T	-0.37	0.32	-0.73	0.00	-0.06	0.11	LC 1-4
					Min M _T	0.68	-0.32	-0.70	-0.00	-0.04	-0.11	LC 1-5
					Max M _y	-1.14	-0.09	-0.44	-0.00	0.06	-0.04	LC 1-5
					Min M _y	1.45	0.10	-1.00	-0.00	-0.16	0.04	LC 1-4
					Max M _z	1.31	1.89	-0.74	0.00	-0.06	0.84	LC 1-4
					Min M _z	-0.99	-1.89	-0.69	-0.00	-0.05	-0.83	LC 1-5
				1.832 Left	Max N	2.92	0.79	1.10	-0.00	0.09	-0.72	LC 1-4
					Min N	-2.66	-0.79	1.34	0.00	0.49	0.72	LC 1-5
					Max V _y	1.25	1.89	1.20	0.00	0.26	-1.76	LC 1-4
					Min V _y	-0.99	-1.89	1.24	-0.00	0.33	1.76	LC 1-5
					Max V _z	-1.28	-0.14	1.50	-0.00	0.79	0.14	LC 1-4
					Min V _z	1.54	0.15	0.94	-0.00	-0.20	-0.13	LC 1-5
					Max M _T	-0.39	0.32	1.20	0.00	0.26	-0.33	LC 1-4
					Min M _T	0.65	-0.32	1.24	-0.00	0.33	0.33	LC 1-5
					Max M _y	-1.27	-0.14	1.50	-0.00	0.79	0.13	LC 1-4
					Min M _y	1.53	0.14	0.94	-0.00	-0.20	-0.13	LC 1-5
					Max M _z	-0.98	-1.89	1.24	-0.00	0.33	1.76	LC 1-5
					Min M _z	1.24	1.89	1.20	0.00	0.25	-1.76	LC 1-4
				1.832 Right	Max N	2.92	0.79	1.10	-0.00	0.09	-0.72	LC 1-4
					Min N	-2.66	-0.79	1.34	0.00	0.49	0.72	LC 1-5
					Max V _y	1.25	1.89	1.20	0.00	0.26	-1.76	LC 1-4
					Min V _y	-0.99	-1.89	1.24	-0.00	0.33	1.76	LC 1-5
					Max V _z	-1.28	-0.14	1.50	-0.00	0.79	0.14	LC 1-4
					Min V _z	1.54	0.15	0.94	-0.00	-0.20	-0.13	LC 1-5
					Max M _T	-0.39	0.32	1.20	0.00	0.26	-0.33	LC 1-4
					Min M _T	0.65	-0.32	1.24	-0.00	0.33	0.33	LC 1-5
					Max M _y	-1.27	-0.14	1.50	-0.00	0.79	0.13	LC 1-4
Min M _y	1.53	0.14	0.94		-0.00	-0.20	-0.13	LC 1-5				
Max M _z	-0.98	-1.89	1.24		-0.00	0.33	1.76	LC 1-5				
Min M _z	1.24	1.89	1.20		0.00	0.25	-1.76	LC 1-4				
174	RC1	90	0.000 Left	Max N	-2.18	0.00	-0.81	0.00	0.64	0.00	CO 14	
				Min N	-10.09	0.01	-5.02	-0.00	4.47	0.01	CO 3	
				Max V _y	-10.09	0.01	-5.02	-0.00	4.48	0.01	CO 2	
				Min V _y	-2.18	0.00	-0.81	0.00	0.64	0.00	CO 14	
				Max V _z	-2.19	0.00	-0.81	0.00	0.64	0.00	CO 9	
				Min V _z	-10.09	0.01	-5.02	-0.00	4.48	0.01	CO 6	
				Max M _T	-2.18	0.00	-0.81	0.00	0.64	0.00	CO 14	
				Min M _T	-10.09	0.01	-5.02	-0.00	4.47	0.01	CO 5	
				Max M _y	-10.09	0.01	-5.02	-0.00	4.48	0.01	CO 6	
				Min M _y	-2.19	0.00	-0.81	0.00	0.64	0.00	CO 9	
				Max M _z	-10.09	0.01	-5.02	-0.00	4.47	0.01	CO 5	
				Min M _z	-2.18	0.00	-0.81	0.00	0.64	0.00	CO 14	
				Max N	-2.18	0.00	-0.81	0.00	0.64	0.00	CO 14	
				Min N	-10.09	0.01	-5.02	-0.00	4.47	0.01	CO 3	
				Max V _y	-10.09	0.01	-5.02	-0.00	4.48	0.01	CO 2	
				Min V _y	-2.18	0.00	-0.81	0.00	0.64	0.00	CO 14	
				Max V _z	-2.19	0.00	-0.81	0.00	0.64	0.00	CO 9	
				Min V _z	-10.09	0.01	-5.02	-0.00	4.48	0.01	CO 6	
				Max M _T	-2.18	0.00	-0.81	0.00	0.64	0.00	CO 14	
				Min M _T	-10.09	0.01	-5.02	-0.00	4.47	0.01	CO 5	
				Max M _y	-10.09	0.01	-5.02	-0.00	4.48	0.01	CO 6	
				Min M _y	-2.19	0.00	-0.81	0.00	0.64	0.00	CO 9	
				Max M _z	-10.09	0.01	-5.02	-0.00	4.47	0.01	CO 5	
				Min M _z	-2.18	0.00	-0.81	0.00	0.64	0.00	CO 14	
				3.306 Left	Max N	-1.58	0.00	0.33	0.00	-0.17	-0.00	CO 14
					Min N	-9.43	-0.00	3.00	-0.00	-1.23	-0.01	CO 3
					Max V _y	-1.59	0.00	0.33	0.00	-0.17	-0.00	CO 11
					Min V _y	-9.43	-0.00	3.00	-0.00	-1.23	-0.01	CO 2
					Max V _z	-9.43	-0.00	3.00	-0.00	-1.23	-0.01	CO 3



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
174	RC1		3.306 Right	Min V _z	-1.58	0.00	▷	0.33	0.00	-0.17	-0.00	CO 14
				Max M _T	-1.58	0.00	▷	0.33	0.00	-0.17	-0.00	CO 14
				Min M _T	-9.43	-0.00	▷	3.00	-0.00	-1.23	-0.01	CO 5
				Max M _y	-1.59	0.00	▷	0.33	0.00	-0.17	-0.00	CO 12
				Min M _y	-9.43	-0.00	▷	3.00	-0.00	-1.23	-0.01	CO 3
				Max M _z	-1.58	0.00	▷	0.33	0.00	-0.17	-0.00	CO 14
				Min M _z	-9.43	-0.00	▷	3.00	-0.00	-1.23	-0.01	CO 5
				Max N	-1.58	0.00	▷	0.33	0.00	-0.17	-0.00	CO 14
				Min N	-9.43	-0.00	▷	3.00	-0.00	-1.23	-0.01	CO 3
				Max V _y	-1.59	0.00	▷	0.33	0.00	-0.17	-0.00	CO 11
				Min V _y	-9.43	-0.00	▷	3.00	-0.00	-1.23	-0.01	CO 2
				Max V _z	-9.43	-0.00	▷	3.00	-0.00	-1.23	-0.01	CO 3
				Min V _z	-1.58	0.00	▷	0.33	0.00	-0.17	-0.00	CO 14
				Max M _T	-1.58	0.00	▷	0.33	0.00	-0.17	-0.00	CO 14
				Min M _T	-9.43	-0.00	▷	3.00	-0.00	-1.23	-0.01	CO 5
				Max M _y	-1.59	0.00	▷	0.33	0.00	-0.17	-0.00	CO 12
				Min M _y	-9.43	-0.00	▷	3.00	-0.00	-1.23	-0.01	CO 3
				Max M _z	-1.58	0.00	▷	0.33	0.00	-0.17	-0.00	CO 14
				Min M _z	-9.43	-0.00	▷	3.00	-0.00	-1.23	-0.01	CO 5
				Max N	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 14
				Min N	-9.31	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 3
				Max V _y	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 11
				Min V _y	-9.30	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 2
				Max V _z	-9.31	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 3
				Min V _z	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 14
				Max M _T	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 14
				Min M _T	-9.31	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 5
				Max M _y	-9.31	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 6
				Min M _y	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 13
				Max M _z	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 14
				Min M _z	-9.31	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 5
				Max N	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 14
				Min N	-9.31	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 3
				Max V _y	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 11
				Min V _y	-9.30	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 2
				Max V _z	-9.31	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 3
				Min V _z	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 14
				Max M _T	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 14
				Min M _T	-9.31	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 5
				Max M _y	-9.31	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 6
				Min M _y	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 13
				Max M _z	-1.50	0.00	▷	0.49	0.00	0.02	-0.00	CO 14
				Min M _z	-9.31	-0.00	▷	4.41	-0.00	0.60	-0.01	CO 5
	Max N	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 14			
	Min N	-9.25	-0.01	▷	5.01	-0.00	3.03	-0.01	CO 3			
	Max V _y	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 11			
	Min V _y	-9.24	-0.01	▷	5.00	-0.00	3.03	-0.01	CO 2			
	Max V _z	-9.25	-0.01	▷	5.01	-0.00	3.03	-0.01	CO 3			
	Min V _z	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 14			
	Max M _T	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 14			
	Min M _T	-9.25	-0.01	▷	5.01	-0.00	3.03	-0.01	CO 5			
	Max M _y	-9.25	-0.01	▷	5.01	-0.00	3.03	-0.01	CO 3			
	Min M _y	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 14			
	Max M _z	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 14			
	Min M _z	-9.25	-0.01	▷	5.01	-0.00	3.03	-0.01	CO 5			
	Max N	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 14			
	Min N	-9.25	-0.01	▷	5.01	-0.00	3.03	-0.01	CO 3			
	Max V _y	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 11			
	Min V _y	-9.24	-0.01	▷	5.00	-0.00	3.03	-0.01	CO 2			
	Max V _z	-9.25	-0.01	▷	5.01	-0.00	3.03	-0.01	CO 3			
	Min V _z	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 14			
	Max M _T	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 14			
	Min M _T	-9.25	-0.01	▷	5.01	-0.00	3.03	-0.01	CO 5			
	Max M _y	-9.25	-0.01	▷	5.01	-0.00	3.03	-0.01	CO 3			
	Min M _y	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 14			
	Max M _z	-1.41	0.00	▷	0.66	0.00	0.32	-0.00	CO 14			
	Min M _z	-9.25	-0.01	▷	5.01	-0.00	3.03	-0.01	CO 5			
	Max N	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 28			
Min N	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 17				
Max V _y	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 21				
Min V _y	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 28				
Max V _z	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 23				
Min V _z	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 22				
Max M _T	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 28				
Min M _T	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 19				
Max M _y	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 20				
Min M _y	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 23				
Max M _z	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 19				
Min M _z	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 28				
Max N	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 28				
Min N	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 17				
Max V _y	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 21				
Min V _y	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 28				
Max V _z	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 23				
Min V _z	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 22				
Max M _T	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 28				
Min M _T	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 19				
Max M _y	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 20				
Min M _y	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 23				
Max M _z	-7.37	0.00	▷	-3.66	-0.00	3.23	0.01	CO 19				
Min M _z	-1.52	0.00	▷	-0.55	0.00	0.43	0.00	CO 28				
Max N	-1.11	0.00	▷	0.22	0.00	-0.12	-0.00	CO 28				
	RC2	90	0.000 Left									
			0.000 Right									
			3.306									

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]						Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z				
174	RC2		Left	Min N	▷ -6.94	0.00	2.17	-0.00	-0.88	-0.01	CO 17		
				Max V _y	▷ -6.94	0.00	2.17	-0.00	-0.88	-0.01	CO 19		
				Min V _y	▷ -1.11	0.00	0.22	0.00	-0.12	-0.00	CO 28		
				Max V _z	▷ -6.94	0.00	2.17	-0.00	-0.88	-0.01	CO 17		
				Min V _z	▷ -1.11	0.00	0.22	0.00	-0.12	-0.00	CO 28		
				Max M _T	▷ -1.11	0.00	0.22	▷ 0.00	-0.12	-0.00	CO 28		
				Min M _T	▷ -6.94	0.00	2.17	▷ -0.00	-0.88	-0.01	CO 19		
				Max M _y	▷ -1.12	0.00	0.22	▷ 0.00	-0.12	-0.00	CO 26		
				Min M _y	▷ -6.93	0.00	2.17	▷ -0.00	-0.88	-0.01	CO 15		
				Max M _z	▷ -1.11	0.00	0.22	▷ 0.00	-0.12	-0.00	CO 28		
				Min M _z	▷ -6.94	0.00	2.17	▷ -0.00	-0.88	-0.01	CO 19		
			3.306 Right	Max N	▷ -1.11	0.00	0.22	▷ 0.00	-0.12	-0.00	CO 28		
				Min N	▷ -6.94	0.00	2.17	▷ -0.00	-0.88	-0.01	CO 17		
				Max V _y	▷ -6.94	▷ 0.00	2.17	▷ -0.00	-0.88	-0.01	CO 19		
				Min V _y	▷ -1.11	▷ 0.00	0.22	▷ 0.00	-0.12	-0.00	CO 28		
				Max V _z	▷ -6.94	▷ 0.00	2.17	▷ -0.00	-0.88	-0.01	CO 17		
				Min V _z	▷ -1.11	▷ 0.00	0.22	▷ 0.00	-0.12	-0.00	CO 28		
				Max M _T	▷ -1.11	▷ 0.00	0.22	▷ 0.00	-0.12	-0.00	CO 28		
				Min M _T	▷ -6.94	▷ 0.00	2.17	▷ -0.00	-0.88	-0.01	CO 19		
				Max M _y	▷ -1.12	▷ 0.00	0.22	▷ 0.00	-0.12	-0.00	CO 26		
				Min M _y	▷ -6.93	▷ 0.00	2.17	▷ -0.00	-0.88	-0.01	CO 15		
			3.791 Left	Max M _z	▷ -1.11	▷ 0.00	0.22	▷ 0.00	-0.12	-0.00	CO 28		
				Min M _z	▷ -6.94	▷ 0.00	2.17	▷ -0.00	-0.88	-0.01	CO 19		
				Max N	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 28		
				Min N	▷ -6.86	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 17		
				Max V _y	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 25		
				Min V _y	▷ -6.85	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 16		
				Max V _z	▷ -6.86	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 17		
				Min V _z	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 28		
				Max M _T	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 28		
				Min M _T	▷ -6.86	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 19		
			3.791 Right	Max M _y	▷ -6.86	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 20		
				Min M _y	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 27		
				Max M _z	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 28		
				Min M _z	▷ -6.86	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 19		
				Max N	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 28		
				Min N	▷ -6.86	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 17		
				Max V _y	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 25		
				Min V _y	▷ -6.85	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 16		
				Max V _z	▷ -6.86	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 17		
				Min V _z	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 28		
			4.294 Left	Max M _T	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 28		
				Min M _T	▷ -6.86	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 19		
				Max M _y	▷ -6.86	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 20		
				Min M _y	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 27		
				Max M _z	▷ -1.06	▷ 0.00	0.33	▷ 0.00	0.02	-0.00	CO 28		
				Min M _z	▷ -6.86	▷ -0.00	3.19	▷ -0.00	0.44	-0.01	CO 19		
				Max N	▷ -0.99	▷ 0.00	0.45	▷ 0.00	0.21	-0.00	CO 28		
				Min N	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 17		
				Max V _y	▷ -1.00	▷ 0.00	0.45	▷ 0.00	0.22	-0.00	CO 25		
				Min V _y	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 16		
			4.294 Right	Max V _z	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 17		
				Min V _z	▷ -0.99	▷ 0.00	0.45	▷ 0.00	0.21	-0.00	CO 28		
				Max M _T	▷ -0.99	▷ 0.00	0.45	▷ 0.00	0.21	-0.00	CO 28		
				Min M _T	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 19		
				Max M _y	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 17		
				Min M _y	▷ -0.99	▷ 0.00	0.45	▷ 0.00	0.21	-0.00	CO 28		
				Max M _z	▷ -0.99	▷ 0.00	0.45	▷ 0.00	0.21	-0.00	CO 28		
				Min M _z	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 19		
				Max N	▷ -0.99	▷ 0.00	0.45	▷ 0.00	0.21	-0.00	CO 28		
				Min N	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 17		
		109	Right	Max V _y	▷ -1.00	▷ 0.00	0.45	▷ 0.00	0.22	-0.00	CO 25		
				Min V _y	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 16		
				Max V _z	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 17		
				Min V _z	▷ -0.99	▷ 0.00	0.45	▷ 0.00	0.21	-0.00	CO 28		
				Max M _T	▷ -0.99	▷ 0.00	0.45	▷ 0.00	0.21	-0.00	CO 28		
				Min M _T	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 19		
				Max M _y	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 17		
				Min M _y	▷ -0.99	▷ 0.00	0.45	▷ 0.00	0.21	-0.00	CO 28		
				Max M _z	▷ -0.99	▷ 0.00	0.45	▷ 0.00	0.21	-0.00	CO 28		
				Min M _z	▷ -6.81	▷ -0.00	3.64	▷ -0.00	2.20	-0.01	CO 19		
	RC6	90	0.000 Left	Max N	▷ -5.00	▷ 0.00	-3.17	▷ -0.00	2.70	0.00	LC 1-4		
				Min N	▷ -8.12	▷ 0.00	-3.18	▷ -0.00	2.78	0.01	LC 1-5		
				Max V _y	▷ -7.12	▷ 0.01	-3.17	▷ -0.00	2.74	0.01	LC 1-5		
				Min V _y	▷ -6.00	▷ 0.00	-3.17	▷ -0.00	2.74	-0.00	LC 1-4		
				Max V _z	▷ -5.44	▷ 0.00	-3.17	▷ -0.00	2.71	0.01	LC 1-4		
				Min V _z	▷ -7.68	▷ 0.00	-3.18	▷ -0.00	2.77	0.01	LC 1-5		
				Max M _T	▷ -6.02	▷ 0.00	-3.17	▷ -0.00	2.73	0.00	LC 1-5		
				Min M _T	▷ -7.10	▷ 0.01	-3.17	▷ -0.00	2.74	0.01	LC 1-4		
				Max M _y	▷ -7.98	▷ 0.00	-3.18	▷ -0.00	2.78	0.01	LC 1-5		
				Min M _y	▷ -5.14	▷ 0.00	-3.17	▷ -0.00	2.70	0.01	LC 1-4		
			0.000 Right	Max M _z	▷ -6.99	▷ 0.01	-3.17	▷ -0.00	2.74	▷ 0.01	LC 1-5		
				Min M _z	▷ -6.12	▷ 0.00	-3.17	▷ -0.00	2.74	▷ -0.00	LC 1-4		
				Max N	▷ -5.00	▷ 0.00	-3.17	▷ -0.00	2.70	▷ 0.00	LC 1-4		
				Min N	▷ -8.12	▷ 0.00	-3.18	▷ -0.00	2.78	▷ 0.01	LC 1-5		
				Max V _y	▷ -7.12	▷ 0.01	-3.17	▷ -0.00	2.74	▷ 0.01	LC 1-5		
				Min V _y	▷ -6.00	▷ 0.00	-3.17	▷ -0.00	2.74	▷ -0.00	LC 1-4		
				Max V _z	▷ -5.44	▷ 0.00	-3.17	▷ -0.00	2.71	▷ 0.01	LC 1-4		
				Min V _z	▷ -7.68	▷ 0.00	-3.18	▷ -0.00	2.77	▷ 0.01	LC 1-5		
				Max M _T	▷ -6.02	▷ 0.00	-3.17	▷ -0.00	2.73	▷ 0.00	LC 1-5		
				Min M _T	▷ -7.10	▷ 0.01	-3.17	▷ -0.00	2.74	▷ 0.01	LC 1-4		
				Max M _y	▷ -7.98	▷ 0.00	-3.18	▷ -0.00	2.78	▷ 0.01	LC 1-5		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases						
					N	V _y	V _z	M _T	M _y	M _z							
174	RC6			3.306 Left	Min M _y	-5.14	0.00	-3.17	-0.00	2.70	0.01	LC 1-4					
					Max M _z	-6.99	0.01	-3.17	-0.00	2.74	0.01	LC 1-5					
					Min M _z	-6.12	0.00	-3.17	-0.00	2.74	-0.00	LC 1-4					
					Max N	-4.94	0.00	1.89	-0.00	-0.75	-0.01	LC 1-4					
					Min N	-8.07	0.00	1.88	-0.00	-0.70	-0.01	LC 1-5					
					Max V _y	-7.07	0.01	1.89	-0.00	-0.72	-0.01	LC 1-5					
					Min V _y	-5.94	0.00	1.89	-0.00	-0.73	-0.00	LC 1-4					
					Max V _z	-5.38	0.00	1.89	-0.00	-0.74	-0.01	LC 1-4					
					Min V _z	-7.63	0.00	1.88	-0.00	-0.71	-0.01	LC 1-5					
					Max M _T	-5.96	0.00	1.89	-0.00	-0.73	-0.00	LC 1-5					
					Min M _T	-7.05	0.01	1.89	-0.00	-0.72	-0.01	LC 1-4					
					Max M _y	-7.76	0.00	1.88	-0.00	-0.69	-0.01	LC 1-5					
					Min M _y	-5.24	0.00	1.89	-0.00	-0.76	-0.01	LC 1-4					
					Max M _z	-5.86	0.00	1.89	-0.00	-0.73	-0.00	LC 1-4					
					Min M _z	-7.14	0.01	1.89	-0.00	-0.72	-0.01	LC 1-5					
					Max N	-4.94	0.00	1.89	-0.00	-0.75	-0.01	LC 1-4					
					Min N	-8.07	0.00	1.88	-0.00	-0.70	-0.01	LC 1-5					
					Max V _y	-7.07	0.01	1.89	-0.00	-0.72	-0.01	LC 1-5					
					Min V _y	-5.94	0.00	1.89	-0.00	-0.73	-0.00	LC 1-4					
					Max V _z	-5.38	0.00	1.89	-0.00	-0.74	-0.01	LC 1-4					
					Min V _z	-7.63	0.00	1.88	-0.00	-0.71	-0.01	LC 1-5					
					Max M _T	-5.96	0.00	1.89	-0.00	-0.73	-0.00	LC 1-5					
					Min M _T	-7.05	0.01	1.89	-0.00	-0.72	-0.01	LC 1-4					
					Max M _y	-7.76	0.00	1.88	-0.00	-0.69	-0.01	LC 1-5					
					Min M _y	-5.24	0.00	1.89	-0.00	-0.76	-0.01	LC 1-4					
					Max M _z	-5.86	0.00	1.89	-0.00	-0.73	-0.00	LC 1-4					
					Min M _z	-7.14	0.01	1.89	-0.00	-0.72	-0.01	LC 1-5					
					Max N	-4.93	0.00	2.81	-0.00	0.40	-0.01	LC 1-4					
					Min N	-8.06	0.00	2.80	-0.00	0.45	-0.01	LC 1-5					
					Max V _y	-7.06	0.01	2.81	-0.00	0.43	-0.02	LC 1-5					
					Min V _y	-5.94	0.00	2.81	-0.00	0.42	-0.00	LC 1-4					
					Max V _z	-5.37	0.00	2.82	-0.00	0.42	-0.01	LC 1-4					
					Min V _z	-7.62	0.00	2.80	-0.00	0.44	-0.01	LC 1-5					
					Max M _T	-5.95	0.00	2.81	-0.00	0.42	-0.00	LC 1-5					
					Min M _T	-7.04	0.01	2.81	-0.00	0.43	-0.02	LC 1-4					
					Max M _y	-7.69	0.00	2.81	-0.00	0.46	-0.01	LC 1-5					
					Min M _y	-5.30	0.00	2.81	-0.00	0.40	-0.01	LC 1-4					
					Max M _z	-5.87	0.00	2.81	-0.00	0.42	-0.00	LC 1-4					
					Min M _z	-7.12	0.01	2.81	-0.00	0.43	-0.02	LC 1-5					
					Max N	-4.93	0.00	2.81	-0.00	0.40	-0.01	LC 1-4					
					Min N	-8.06	0.00	2.80	-0.00	0.45	-0.01	LC 1-5					
					Max V _y	-7.06	0.01	2.81	-0.00	0.43	-0.02	LC 1-5					
					Min V _y	-5.94	0.00	2.81	-0.00	0.42	-0.00	LC 1-4					
					Max V _z	-5.37	0.00	2.82	-0.00	0.42	-0.01	LC 1-4					
					Min V _z	-7.62	0.00	2.80	-0.00	0.44	-0.01	LC 1-5					
					Max M _T	-5.95	0.00	2.81	-0.00	0.42	-0.00	LC 1-5					
					Min M _T	-7.04	0.01	2.81	-0.00	0.43	-0.02	LC 1-4					
					Max M _y	-7.69	0.00	2.81	-0.00	0.46	-0.01	LC 1-5					
					Min M _y	-5.30	0.00	2.81	-0.00	0.40	-0.01	LC 1-4					
					Max M _z	-5.87	0.00	2.81	-0.00	0.42	-0.00	LC 1-4					
					Min M _z	-7.12	0.01	2.81	-0.00	0.43	-0.02	LC 1-5					
					Max N	-4.93	0.00	3.21	-0.00	1.95	-0.01	LC 1-4					
					Min N	-8.05	0.00	3.20	-0.00	1.99	-0.01	LC 1-5					
					Max V _y	-7.05	0.01	3.20	-0.00	1.97	-0.02	LC 1-5					
					Min V _y	-5.93	0.00	3.20	-0.00	1.97	-0.00	LC 1-4					
					Max V _z	-5.37	0.00	3.21	-0.00	1.97	-0.01	LC 1-4					
					Min V _z	-7.61	0.00	3.20	-0.00	1.98	-0.01	LC 1-5					
					Max M _T	-5.94	0.00	3.20	-0.00	1.97	-0.00	LC 1-5					
					Min M _T	-7.03	0.01	3.20	-0.00	1.98	-0.02	LC 1-4					
					Max M _y	-7.60	0.00	3.20	-0.00	2.00	-0.01	LC 1-5					
					Min M _y	-5.38	0.00	3.20	-0.00	1.94	-0.01	LC 1-4					
					Max M _z	-5.87	0.00	3.20	-0.00	1.97	-0.00	LC 1-4					
					Min M _z	-7.10	0.01	3.20	-0.00	1.98	-0.02	LC 1-5					
					109			4.294 Right		Max N	-4.93	0.00	3.21	-0.00	1.95	-0.01	LC 1-4
										Min N	-8.05	0.00	3.20	-0.00	1.99	-0.01	LC 1-5
										Max V _y	-7.05	0.01	3.20	-0.00	1.97	-0.02	LC 1-5
										Min V _y	-5.93	0.00	3.20	-0.00	1.97	-0.00	LC 1-4
										Max V _z	-5.37	0.00	3.21	-0.00	1.97	-0.01	LC 1-4
										Min V _z	-7.61	0.00	3.20	-0.00	1.98	-0.01	LC 1-5
										Max M _T	-5.94	0.00	3.20	-0.00	1.97	-0.00	LC 1-5
										Min M _T	-7.03	0.01	3.20	-0.00	1.98	-0.02	LC 1-4
										Max M _y	-7.60	0.00	3.20	-0.00	2.00	-0.01	LC 1-5
										Min M _y	-5.38	0.00	3.20	-0.00	1.94	-0.01	LC 1-4
Max M _z	-5.87	0.00	3.20	-0.00						1.97	-0.00	LC 1-4					
Min M _z	-7.10	0.01	3.20	-0.00						1.98	-0.02	LC 1-5					
0.000 Right		Max N	-1.68	0.00						-0.16	-0.00	0.27	0.00	CO 13			
		Min N	-11.96	-0.01						-2.23	-0.00	2.75	0.02	CO 4			
		Max V _y	-1.68	0.00						-0.16	-0.00	0.27	0.00	CO 13			
		Min V _y	-11.96	-0.01						-2.23	-0.00	2.75	0.02	CO 5			
		Max V _z	-1.68	0.00						-0.16	-0.00	0.27	0.00	CO 13			
		Min V _z	-11.96	-0.01						-2.23	-0.00	2.75	0.02	CO 6			
176	RC1	109	0.000 Left							Max M _T	-1.68	0.00	-0.16	-0.00	0.27	0.00	CO 14
										Min M _T	-11.96	-0.01	-2.23	-0.00	2.75	0.02	CO 1
					Max M _y	-11.96	-0.01	-2.23	-0.00	2.75	0.02	CO 4					
					Min M _y	-1.68	0.00	-0.16	-0.00	0.27	0.00	CO 13					
					Max M _z	-11.96	-0.01	-2.23	-0.00	2.75	0.02	CO 1					
					Min M _z	-1.68	0.00	-0.16	-0.00	0.27	0.00	CO 12					
					Max N	-1.68	0.00	-0.16	-0.00	0.27	0.00	CO 13					
					Min N	-11.96	-0.01	-2.23	-0.00	2.75	0.02	CO 4					
					Max V _y	-1.68	0.00	-0.16	-0.00	0.27	0.00	CO 13					
					Min V _y	-11.96	-0.01	-2.23	-0.00	2.75	0.02	CO 5					
Max V _z	-1.68	0.00	-0.16	-0.00	0.27	0.00	CO 13										

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases			
				N	V _y	V _z	M _T	M _y	M _z					
176	RC1		0.503 Left	Min V _z	-11.96	-0.01	▷	-2.23	-0.00	2.75	0.02	CO 6		
				Max M _T	-1.68	0.00		-0.16	▷	-0.00	0.27	0.00	CO 14	
				Min M _T	-11.96	-0.01	▷	-2.23	▷	-0.00	2.75	0.02	CO 1	
				Max M _y	-11.96	-0.01		-2.23	-0.00	▷	2.75	0.02	CO 4	
				Min M _y	-1.68	0.00		-0.16	-0.00	▷	0.27	0.00	CO 13	
				Max M _z	-11.96	-0.01		-2.23	-0.00	▷	2.75	▷	0.02	CO 1
				Min M _z	-1.68	0.00		-0.16	-0.00	▷	0.27	▷	0.00	CO 12
				Max N	-1.69	0.00		-0.14	-0.00		0.19	0.00	CO 13	
				Min N	-11.95	-0.00		-2.09	-0.00		1.63	0.02	CO 4	
				Max V _y	-1.69	▷	0.00	-0.14	-0.00		0.19	0.00	CO 13	
				Min V _y	-11.95	▷	-0.00	-2.09	-0.00		1.63	0.02	CO 6	
				Max V _z	-1.69	0.00	▷	-0.14	-0.00		0.19	0.00	CO 13	
				Min V _z	-11.95	-0.00	▷	-2.09	-0.00		1.63	0.02	CO 6	
				Max M _T	-1.69	0.00	▷	-0.14	▷	-0.00	0.19	0.00	CO 14	
				Min M _T	-11.95	-0.00	▷	-2.09	▷	-0.00	1.63	0.02	CO 1	
				Max M _y	-11.95	-0.00		-2.09	-0.00	▷	1.63	0.02	CO 3	
				Min M _y	-1.69	0.00		-0.14	-0.00	▷	0.19	0.00	CO 14	
				Max M _z	-11.95	-0.00		-2.09	-0.00	▷	1.63	▷	0.02	CO 1
				Min M _z	-1.70	0.00		-0.14	-0.00		0.19	▷	0.00	CO 12
				Max N	-1.69	0.00		-0.14	-0.00		0.19	0.00	CO 13	
				Min N	-11.95	-0.00	▷	-2.09	-0.00		1.63	0.02	CO 4	
				Max V _y	-1.69	▷	0.00	-0.14	-0.00		0.19	0.00	CO 13	
				Min V _y	-11.95	▷	-0.00	-2.09	-0.00		1.63	0.02	CO 6	
				Max V _z	-1.69	0.00	▷	-0.14	-0.00		0.19	0.00	CO 13	
				Min V _z	-11.95	-0.00	▷	-2.09	-0.00		1.63	0.02	CO 6	
				Max M _T	-1.69	0.00		-0.14	▷	-0.00	0.19	0.00	CO 14	
				Min M _T	-11.95	-0.00	▷	-2.09	▷	-0.00	1.63	0.02	CO 1	
				Max M _y	-11.95	-0.00		-2.09	-0.00	▷	1.63	0.02	CO 3	
				Min M _y	-1.69	0.00		-0.14	-0.00	▷	0.19	0.00	CO 14	
				Max M _z	-11.95	-0.00		-2.09	-0.00	▷	1.63	▷	0.02	CO 1
				Min M _z	-1.70	0.00		-0.14	-0.00		0.19	▷	0.00	CO 12
				Max N	-1.69	0.00		-0.14	-0.00		0.19	0.00	CO 13	
				Min N	-11.95	-0.00	▷	-2.09	-0.00		1.63	0.02	CO 4	
				Max V _y	-1.69	▷	0.00	-0.14	-0.00		0.19	0.00	CO 13	
				Min V _y	-11.95	▷	-0.00	-2.09	-0.00		1.63	0.02	CO 6	
				Max V _z	-1.69	0.00	▷	-0.14	-0.00		0.19	0.00	CO 13	
				Min V _z	-11.95	-0.00	▷	-2.09	-0.00		1.63	0.02	CO 6	
				Max M _T	-1.69	0.00		-0.14	▷	-0.00	0.19	0.00	CO 14	
				Min M _T	-11.95	-0.00	▷	-2.09	▷	-0.00	1.63	0.02	CO 1	
				Max M _y	-11.95	-0.00		-2.09	-0.00	▷	1.63	0.02	CO 3	
				Min M _y	-1.69	0.00		-0.14	-0.00	▷	0.19	0.00	CO 14	
				Max M _z	-11.95	-0.00		-2.09	-0.00	▷	1.63	▷	0.02	CO 1
				Min M _z	-1.70	0.00		-0.14	-0.00		0.19	▷	0.00	CO 12
				Max N	-1.78	0.00		0.01	-0.00		-0.04	-0.00	CO 13	
				Min N	-12.03	0.01	▷	1.82	0.00		1.02	-0.02	CO 4	
				Max V _y	-12.02	▷	0.01	1.82	0.00		1.02	-0.02	CO 1	
				Min V _y	-1.78	▷	0.00	0.01	-0.00		-0.05	-0.00	CO 12	
				Max V _z	-12.02	0.01	▷	1.82	0.00		1.02	-0.02	CO 7	
				Min V _z	-1.78	0.00	▷	0.01	-0.00		-0.05	-0.00	CO 12	
				Max M _T	-12.02	0.01		1.82	▷	0.00	1.02	-0.02	CO 2	
				Min M _T	-1.78	0.00	0.01	▷	-0.00	-0.04	-0.00	CO 11		
				Max M _y	-12.02	0.01		1.82	0.00	▷	1.02	-0.02	CO 1	
				Min M _y	-1.78	0.00	0.01	▷	-0.00	-0.05	-0.00	CO 12		
				Max M _z	-1.78	0.00	0.01	▷	-0.00	-0.05	-0.00	CO 12		
				Min M _z	-12.02	0.01		1.82	0.00	▷	1.02	-0.02	CO 1	
				Max N	-1.78	0.00		0.01	-0.00	▷	-0.04	-0.00	CO 13	
				Min N	-12.03	0.01	▷	1.82	0.00		1.02	-0.02	CO 4	
				Max V _y	-12.02	▷	0.01	1.82	0.00		1.02	-0.02	CO 1	
				Min V _y	-1.78	0.00	0.01	▷	-0.00	-0.05	-0.00	CO 12		
				Max V _z	-12.02	0.01	▷	1.82	0.00		1.02	-0.02	CO 7	
				Min V _z	-1.78	0.00	▷	0.01	-0.00		-0.05	-0.00	CO 12	
				Max M _T	-12.02	0.01		1.82	▷	0.00	1.02	-0.02	CO 2	
				Min M _T	-1.78	0.00	0.01	▷	-0.00	-0.04	-0.00	CO 11		
				Max M _y	-12.02	0.01		1.82	0.00	▷	1.02	-0.02	CO 1	
				Min M _y	-1.78	0.00	0.01	▷	-0.00	-0.05	-0.00	CO 12		
				Max M _z	-1.78	0.00	0.01	▷	-0.00	-0.05	-0.00	CO 12		
				Min M _z	-12.02	0.01		1.82	0.00	▷	1.02	-0.02	CO 1	
				Max N	-1.18	0.00	▷	-0.11	-0.00	-0.00	0.18	0.00	CO 27	
				Min N	-8.78	-0.00	▷	-1.68	-0.00	-0.00	2.01	0.02	CO 18	
				Max V _y	-1.18	▷	0.00	-0.11	-0.00	-0.00	0.18	0.00	CO 27	
				Min V _y	-8.78	▷	-0.00	-1.68	-0.00	-0.00	2.01	0.02	CO 20	
				Max V _z	-1.18	0.00	▷	-0.11	-0.00	-0.00	0.18	0.00	CO 27	
				Min V _z	-8.78	-0.00	▷	-1.68	-0.00	-0.00	2.01	0.02	CO 20	
				Max M _T	-1.18	0.00		-0.11	▷	-0.00	0.18	0.00	CO 28	
				Min M _T	-8.78	-0.00		-1.68	▷	-0.00	2.01	0.02	CO 15	
				Max M _y	-8.78	-0.00		-1.68	-0.00	▷	2.01	0.02	CO 17	
				Min M _y	-1.18	0.00		-0.11	-0.00	▷	0.18	0.00	CO 27	
				Max M _z	-8.78	-0.00		-1.68	-0.00	▷	2.01	0.02	CO 15	
				Min M _z	-1.18	0.00		-0.11	-0.00	▷	0.18	0.00	CO 26	
				Max N	-1.19	0.00	▷	-0.10	-0.00	-0.00	0.13	0.00	CO 27	
				Min N	-8.78	▷	0.00	-1.55	-0.00	-0.00	1.17	0.02	CO 18	
				Max V _y	-8.77	▷	0.00	-1.55	-0.00	-0.00	1.17	0.02	CO 15	
				Min V _y	-1.19	▷	0.00	-0.10	-0.00	-0.00	0.13	0.00	CO 26	
				Max V _z	-1.19	0.00	▷	-0.10	-0.00	-0.00	0.13	0.00	CO 27	
				Min V _z	-8.78	0.00	▷	-1.55	-0.00	-0.00	1.17	0.02	CO 20	
				Max M _T	-1.19	0.00		-0.10	-0.00	-0.00	0.13	0.00	CO 28	
				Min M _T	-8.77	0.00		-1.55	-0.00	-0.00	1.17	0.02	CO 15	
				Max M _y	-8.78	0.00		-1.55	-0.00	▷	1.17	0.02	CO 17	
				Min M _y	-1.19	0.00		-0.10	-0.00	▷	0.13	0.00	CO 28	
				Max M _z	-8.77	0.00		-1.55	-0.00	▷	1.17	▷	0.02	CO 15
Min M _z	-1.19	0.00		-0.10	-0.00	▷	0.13	▷	0.00	CO 26				
Max N	-1.19	0.00	▷	-0.10	-0.00	-0.00	0.13	▷	0.00	CO 27				



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
176	RC2		Right	Min N	▷ -8.78	0.00	-1.55	-0.00	1.17	0.02	CO 18	
				Max V _y	▷ -8.77	0.00	-1.55	-0.00	1.17	0.02	CO 15	
				Min V _y	▷ -1.19	0.00	-0.10	-0.00	0.13	0.00	CO 26	
				Max V _z	▷ -1.19	0.00	-0.10	-0.00	0.13	0.00	CO 27	
				Min V _z	▷ -8.78	0.00	-1.55	-0.00	1.17	0.02	CO 20	
				Max M _T	▷ -1.19	0.00	-0.10	-0.00	0.13	0.00	CO 28	
				Min M _T	▷ -8.77	0.00	-1.55	-0.00	1.17	0.02	CO 15	
				Max M _y	▷ -8.78	0.00	-1.55	-0.00	1.17	0.02	CO 17	
				Min M _y	▷ -1.19	0.00	-0.10	-0.00	0.13	0.00	CO 28	
				Max M _z	▷ -8.77	0.00	-1.55	-0.00	1.17	0.02	CO 15	
				Min M _z	▷ -1.19	0.00	-0.10	-0.00	0.13	0.00	CO 26	
			4.215 Left	Max N	▷ -1.25	0.00	0.02	-0.00	-0.02	-0.00	CO 27	
				Min N	▷ -8.84	0.01	1.36	0.00	0.77	-0.01	CO 18	
				Max V _y	▷ -8.83	0.01	1.36	0.00	0.77	-0.01	CO 15	
				Min V _y	▷ -1.25	0.00	0.02	-0.00	-0.03	-0.00	CO 26	
				Max V _z	▷ -8.83	0.01	1.36	0.00	0.77	-0.01	CO 15	
				Min V _z	▷ -1.25	0.00	0.02	-0.00	-0.03	-0.00	CO 26	
				Max M _T	▷ -8.84	0.01	1.36	0.00	0.77	-0.01	CO 16	
				Min M _T	▷ -1.25	0.00	0.02	-0.00	-0.02	-0.00	CO 25	
				Max M _y	▷ -8.83	0.01	1.36	0.00	0.77	-0.01	CO 15	
				Min M _y	▷ -1.25	0.00	0.02	-0.00	-0.03	-0.00	CO 26	
				Max M _z	▷ -1.25	0.00	0.02	-0.00	-0.03	-0.00	CO 26	
				Min M _z	▷ -8.83	0.01	1.36	0.00	0.77	-0.01	CO 15	
			76	4.215 Right	Max N	▷ -1.25	0.00	0.02	-0.00	-0.02	-0.00	CO 27
					Min N	▷ -8.84	0.01	1.36	0.00	0.77	-0.01	CO 18
					Max V _y	▷ -8.83	0.01	1.36	0.00	0.77	-0.01	CO 15
					Min V _y	▷ -1.25	0.00	0.02	-0.00	-0.03	-0.00	CO 26
					Max V _z	▷ -8.83	0.01	1.36	0.00	0.77	-0.01	CO 15
					Min V _z	▷ -1.25	0.00	0.02	-0.00	-0.03	-0.00	CO 26
					Max M _T	▷ -8.84	0.01	1.36	0.00	0.77	-0.01	CO 16
					Min M _T	▷ -1.25	0.00	0.02	-0.00	-0.02	-0.00	CO 25
					Max M _y	▷ -8.83	0.01	1.36	0.00	0.77	-0.01	CO 15
					Min M _y	▷ -1.25	0.00	0.02	-0.00	-0.03	-0.00	CO 26
					Max M _z	▷ -1.25	0.00	0.02	-0.00	-0.03	-0.00	CO 26
					Min M _z	▷ -8.83	0.01	1.36	0.00	0.77	-0.01	CO 15
	RC6	109	0.000 Left	Max N	▷ -6.51	0.01	-1.71	-0.00	1.80	0.03	LC 1-4	
				Min N	▷ -9.93	0.01	-1.70	0.00	1.85	0.02	LC 1-5	
				Max V _y	▷ -8.07	0.01	-1.70	-0.00	1.82	0.04	LC 1-4	
				Min V _y	▷ -8.37	0.00	-1.70	0.00	1.83	0.01	LC 1-5	
				Max V _z	▷ -9.39	0.01	-1.70	0.00	1.83	0.02	LC 1-4	
				Min V _z	▷ -7.05	0.01	-1.71	0.00	1.81	0.03	LC 1-5	
				Max M _T	▷ -8.21	0.00	-1.70	0.00	1.82	0.02	LC 1-5	
				Min M _T	▷ -8.23	0.01	-1.70	-0.00	1.82	0.03	LC 1-4	
				Max M _y	▷ -9.65	0.01	-1.70	0.00	1.85	0.02	LC 1-4	
				Min M _y	▷ -6.78	0.01	-1.71	-0.00	1.79	0.03	LC 1-5	
				Max M _z	▷ -8.03	0.01	-1.70	-0.00	1.82	0.04	LC 1-4	
				Min M _z	▷ -8.41	0.00	-1.70	0.00	1.83	0.01	LC 1-5	
			0.000 Right	Max N	▷ -6.51	0.01	-1.71	-0.00	1.80	0.03	LC 1-4	
				Min N	▷ -9.93	0.01	-1.70	0.00	1.85	0.02	LC 1-5	
				Max V _y	▷ -8.07	0.01	-1.70	-0.00	1.82	0.04	LC 1-4	
				Min V _y	▷ -8.37	0.00	-1.70	0.00	1.83	0.01	LC 1-5	
				Max V _z	▷ -9.39	0.01	-1.70	0.00	1.83	0.02	LC 1-4	
				Min V _z	▷ -7.05	0.01	-1.71	0.00	1.81	0.03	LC 1-5	
				Max M _T	▷ -8.21	0.00	-1.70	0.00	1.82	0.02	LC 1-5	
				Min M _T	▷ -8.23	0.01	-1.70	-0.00	1.82	0.03	LC 1-4	
				Max M _y	▷ -9.65	0.01	-1.70	0.00	1.85	0.02	LC 1-4	
				Min M _y	▷ -6.78	0.01	-1.71	-0.00	1.79	0.03	LC 1-5	
				Max M _z	▷ -8.03	0.01	-1.70	-0.00	1.82	0.04	LC 1-4	
				Min M _z	▷ -8.41	0.00	-1.70	0.00	1.83	0.01	LC 1-5	
			0.503 Left	0.503 Left	Max N	▷ -6.51	0.01	-1.51	-0.00	0.97	0.02	LC 1-4
					Min N	▷ -9.94	0.01	-1.50	0.00	1.03	0.02	LC 1-5
					Max V _y	▷ -8.08	0.01	-1.50	-0.00	1.00	0.03	LC 1-4
					Min V _y	▷ -8.38	0.00	-1.50	0.00	1.00	0.01	LC 1-5
					Max V _z	▷ -9.40	0.01	-1.50	0.00	1.01	0.02	LC 1-4
					Min V _z	▷ -7.05	0.01	-1.51	0.00	0.99	0.02	LC 1-5
					Max M _T	▷ -8.22	0.00	-1.50	0.00	1.00	0.01	LC 1-5
					Min M _T	▷ -8.23	0.01	-1.50	-0.00	1.00	0.03	LC 1-4
					Max M _y	▷ -9.74	0.01	-1.50	0.00	1.03	0.02	LC 1-4
					Min M _y	▷ -6.72	0.01	-1.50	-0.00	0.97	0.02	LC 1-5
					Max M _z	▷ -8.03	0.01	-1.50	-0.00	0.99	0.03	LC 1-4
					Min M _z	▷ -8.43	0.00	-1.50	0.00	1.00	0.01	LC 1-5
			0.503 Right	0.503 Right	Max N	▷ -6.51	0.01	-1.51	-0.00	0.97	0.02	LC 1-4
					Min N	▷ -9.94	0.01	-1.50	0.00	1.03	0.02	LC 1-5
					Max V _y	▷ -8.08	0.01	-1.50	-0.00	1.00	0.03	LC 1-4
					Min V _y	▷ -8.38	0.00	-1.50	0.00	1.00	0.01	LC 1-5
					Max V _z	▷ -9.40	0.01	-1.50	0.00	1.01	0.02	LC 1-4
					Min V _z	▷ -7.05	0.01	-1.51	0.00	0.99	0.02	LC 1-5
					Max M _T	▷ -8.22	0.00	-1.50	0.00	1.00	0.01	LC 1-5
					Min M _T	▷ -8.23	0.01	-1.50	-0.00	1.00	0.03	LC 1-4
					Max M _y	▷ -9.74	0.01	-1.50	0.00	1.03	0.02	LC 1-4
					Min M _y	▷ -6.72	0.01	-1.50	-0.00	0.97	0.02	LC 1-5
					Max M _z	▷ -8.03	0.01	-1.50	-0.00	0.99	0.03	LC 1-4
					Min M _z	▷ -8.43	0.00	-1.50	0.00	1.00	0.01	LC 1-5
	4.215 Left	4.215 Left		Max N	▷ -6.58	0.01	1.42	-0.00	0.79	-0.02	LC 1-4	
				Min N	▷ -10.00	0.01	1.43	0.00	0.88	-0.01	LC 1-5	
				Max V _y	▷ -8.14	0.01	1.42	-0.00	0.83	-0.02	LC 1-4	
				Min V _y	▷ -8.44	0.00	1.42	0.00	0.84	-0.00	LC 1-5	
				Max V _z	▷ -9.46	0.01	1.43	0.00	0.87	-0.01	LC 1-4	
				Min V _z	▷ -7.12	0.01	1.42	0.00	0.80	-0.01	LC 1-5	
				Max M _T	▷ -8.28	0.00	1.42	0.00	0.84	-0.00	LC 1-5	
				Min M _T	▷ -8.30	0.01	1.42	-0.00	0.84	-0.02	LC 1-4	
				Max M _y	▷ -9.92	0.01	1.43	0.00	0.88	-0.01	LC 1-4	

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding
					N	V _y	V _z	M _T	M _y	M _z	Load Cases
176	RC6	76	4.215 Right	Min M _y	-6.65	0.01	1.42	-0.00	0.79	-0.02	LC 1-5
				Max M _z	-8.38	0.00	1.42	0.00	0.84	-0.00	LC 1-5
				Min M _z	-8.20	0.01	1.42	-0.00	0.83	-0.02	LC 1-4
				Max N	-6.58	0.01	1.42	-0.00	0.79	-0.02	LC 1-4
				Min N	-10.00	0.01	1.43	0.00	0.88	-0.01	LC 1-5
				Max V _y	-8.14	0.01	1.42	-0.00	0.83	-0.02	LC 1-4
				Min V _y	-8.44	0.00	1.42	0.00	0.84	-0.00	LC 1-5
				Max V _z	-9.46	0.01	1.43	0.00	0.87	-0.01	LC 1-4
				Min V _z	-7.12	0.01	1.42	0.00	0.80	-0.01	LC 1-5
				Max M _T	-8.28	0.00	1.42	0.00	0.84	-0.00	LC 1-5
				Min M _T	-8.30	0.01	1.42	-0.00	0.84	-0.02	LC 1-4
				Max M _y	-9.92	0.01	1.43	0.00	0.88	-0.01	LC 1-4
				Min M _y	-6.65	0.01	1.42	-0.00	0.79	-0.02	LC 1-5
				Max M _z	-8.38	0.00	1.42	0.00	0.84	-0.00	LC 1-5
				Min M _z	-8.20	0.01	1.42	-0.00	0.83	-0.02	LC 1-4
				Max N	-4.89	-0.00	-0.67	0.00	0.21	-0.01	CO 14
				Min N	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 3
				Max V _y	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 5
				Min V _y	-4.90	-0.00	-0.67	0.00	0.21	-0.01	CO 13
				Max V _z	-4.90	-0.00	-0.67	0.00	0.21	-0.01	CO 13
				Min V _z	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 4
				Max M _T	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 4
				Min M _T	-4.89	-0.00	-0.67	0.00	0.21	-0.01	CO 14
				Max M _y	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 4
Min M _y	-4.90	-0.00	-0.67	0.00	0.21	-0.01	CO 13				
Max M _z	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 6				
Min M _z	-4.90	-0.00	-0.67	0.00	0.21	-0.01	CO 13				
Max N	-4.89	-0.00	-0.67	0.00	0.21	-0.01	CO 14				
Min N	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 3				
Max V _y	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 5				
Min V _y	-4.90	-0.00	-0.67	0.00	0.21	-0.01	CO 13				
Max V _z	-4.90	-0.00	-0.67	0.00	0.21	-0.01	CO 13				
Min V _z	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 4				
Max M _T	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 4				
Min M _T	-4.89	-0.00	-0.67	0.00	0.21	-0.01	CO 14				
Max M _y	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 4				
Min M _y	-4.90	-0.00	-0.67	0.00	0.21	-0.01	CO 13				
Max M _z	-15.66	0.00	-3.05	0.00	1.22	-0.01	CO 6				
Min M _z	-4.90	-0.00	-0.67	0.00	0.21	-0.01	CO 13				
Max N	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 14				
Min N	-14.94	-0.01	2.74	-0.00	0.88	0.00	CO 3				
Max V _y	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 12				
Min V _y	-14.94	-0.01	2.74	-0.00	0.88	0.00	CO 1				
Max V _z	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 7				
Min V _z	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 10				
Max M _T	-4.18	-0.01	0.71	0.00	0.26	0.00	CO 9				
Min M _T	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 7				
Max M _y	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 7				
Min M _y	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 10				
Max M _z	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 2				
Min M _z	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 10				
Max N	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 10				
Min N	-14.94	-0.01	2.74	-0.00	0.88	0.00	CO 14				
Max V _y	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 3				
Min V _y	-14.94	-0.01	2.74	-0.00	0.88	0.00	CO 12				
Max V _z	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 1				
Min V _z	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 7				
Max M _T	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 10				
Min M _T	-4.18	-0.01	0.71	0.00	0.26	0.00	CO 9				
Max M _y	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 7				
Min M _y	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 7				
Max M _z	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 10				
Min M _z	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 2				
Max N	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 10				
Min N	-14.94	-0.01	2.74	-0.00	0.88	0.00	CO 14				
Max V _y	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 3				
Min V _y	-14.94	-0.01	2.74	-0.00	0.88	0.00	CO 12				
Max V _z	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 1				
Min V _z	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 7				
Max M _T	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 10				
Min M _T	-4.18	-0.01	0.71	0.00	0.26	0.00	CO 9				
Max M _y	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 7				
Min M _y	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 7				
Max M _z	-4.17	-0.01	0.71	0.00	0.26	0.00	CO 10				
Min M _z	-14.93	-0.01	2.74	-0.00	0.88	0.00	CO 2				
Max N	-3.27	-0.00	-0.45	0.00	0.14	-0.01	CO 10				
Min N	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 28				
Max V _y	-11.24	-0.00	-2.21	0.00	0.88	-0.01	CO 17				
Min V _y	-3.27	-0.00	-0.45	0.00	0.14	-0.01	CO 19				
Max V _z	-3.27	-0.00	-0.45	0.00	0.14	-0.01	CO 27				
Min V _z	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 27				
Max M _T	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 18				
Min M _T	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 17				
Max M _y	-3.27	-0.00	-0.45	0.00	0.14	-0.01	CO 28				
Min M _y	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 28				
Max M _z	-3.27	-0.00	-0.45	0.00	0.14	-0.01	CO 18				
Min M _z	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 27				
Max N	-3.27	-0.00	-0.45	0.00	0.14	-0.01	CO 26				
Min N	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 15				
Max V _y	-3.27	-0.00	-0.45	0.00	0.14	-0.01	CO 28				
Min V _y	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 17				
Max V _z	-3.27	-0.00	-0.45	0.00	0.14	-0.01	CO 19				
Min V _z	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 27				
Max M _T	-3.27	-0.00	-0.45	0.00	0.14	-0.01	CO 27				
Min M _T	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 18				
Max M _y	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 17				
Min M _y	-3.27	-0.00	-0.45	0.00	0.14	-0.01	CO 28				
Max M _z	-3.27	-0.00	-0.45	0.00	0.14	-0.01	CO 28				
Min M _z	-11.25	-0.00	-2.21	0.00	0.88	-0.01	CO 18				
Max N	-2.78	-0.00	0.48	0.00	0.17	0.00	CO 26				
Min N	-10.76	-0.01	1.98	-0.00	0.63	0.00	CO 28				
Max V _y	-2.79	-0.00	0.48	0.00	0.17	0.00	CO 17				
Min V _y	-10.76	-0.01	1.98	-0.00	0.63	0.00	CO 26				
Max V _z	-10.75	-0.01	1.98	-0.00	0.63	0.00	CO 15				
Min V _z	-10.75	-0.01	1.98	-0.00	0.63	0.00	CO 21				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases			
				N	V _y	V _z	M _T	M _y	M _z					
181	RC2	156	2.147 Right	Min V _z	-2.79	-0.00	▷	0.48	0.00	0.17	0.00	CO 24		
				Max M _T	-2.79	-0.00		0.48	▷	0.00	0.17	0.00	CO 23	
				Min M _T	-10.75	-0.01		1.98	▷	-0.00	0.63	0.00	CO 22	
				Max M _y	-10.75	-0.01		1.98		-0.00	0.63	0.00	CO 21	
				Min M _y	-2.79	-0.00		0.48		0.00	0.17	0.00	CO 24	
				Max M _z	-10.76	-0.01		1.98		-0.00	0.63	▷	0.00	CO 15
				Min M _z	-2.79	-0.00		0.48		0.00	0.17	▷	0.00	CO 24
				Max N	-2.78	-0.00		0.48		0.00	0.17		0.00	CO 28
				Min N	-10.76	-0.01		1.98		-0.00	0.63		0.00	CO 17
				Max V _y	-2.79	-0.00	▷	0.48		0.00	0.17		0.00	CO 26
				Min V _y	-10.76	-0.01	▷	1.98		-0.00	0.63		0.00	CO 15
				Max V _z	-10.75	-0.01	▷	1.98		-0.00	0.63		0.00	CO 21
				Min V _z	-2.79	-0.00	▷	0.48		0.00	0.17		0.00	CO 24
				Max M _T	-2.79	-0.00	▷	0.48		0.00	0.17		0.00	CO 23
				Min M _T	-10.75	-0.01	▷	1.98		-0.00	0.63		0.00	CO 22
				Max M _y	-10.75	-0.01		1.98		-0.00	0.63	▷	0.00	CO 21
				Min M _y	-2.79	-0.00		0.48		0.00	0.17	▷	0.00	CO 24
				Max M _z	-10.76	-0.01		1.98		-0.00	0.63	▷	0.00	CO 15
				Min M _z	-2.79	-0.00		0.48		0.00	0.17	▷	0.00	CO 24
				Max N	-4.84	-0.09	▷	-2.46		0.00	1.50		-0.10	LC 1-5
				Min N	-11.02	0.07	▷	-1.09		0.00	-0.09		0.07	LC 1-4
				Max V _y	-8.35	0.78	▷	-1.79		0.00	0.73		0.83	LC 1-5
				Min V _y	-7.51	-0.79	▷	-1.76		0.00	0.69		-0.86	LC 1-4
				Max V _z	-10.88	0.00	▷	-1.06		0.00	-0.12		-0.00	LC 1-5
	Min V _z	-4.99	-0.02	▷	-2.49		0.00	1.54		-0.02	LC 1-4			
	Max M _T	-8.07	-0.11		-1.75	▷	0.00	0.67		-0.13	LC 1-4			
	Min M _T	-7.79	0.10		-1.81	▷	-0.00	0.74		0.10	LC 1-5			
	Max M _y	-4.99	-0.01		-2.49		0.00	1.54		-0.02	LC 1-4			
	Min M _y	-10.88	0.00		-1.06		0.00	-0.12		-0.00	LC 1-5			
	Max M _z	-8.35	0.78		-1.80		0.00	0.73	▷	0.83	LC 1-5			
	Min M _z	-7.51	-0.79		-1.76		0.00	0.68	▷	-0.86	LC 1-4			
	Max N	-4.84	-0.09	▷	-2.46		0.00	1.50		-0.10	LC 1-5			
	Min N	-11.02	0.07	▷	-1.09		0.00	-0.09		0.07	LC 1-4			
	Max V _y	-8.35	0.78	▷	-1.79		0.00	0.73		0.83	LC 1-5			
	Min V _y	-7.51	-0.79	▷	-1.76		0.00	0.69		-0.86	LC 1-4			
	Max V _z	-10.88	0.00	▷	-1.06		0.00	-0.12		-0.00	LC 1-5			
	Min V _z	-4.99	-0.02	▷	-2.49		0.00	1.54		-0.02	LC 1-4			
	Max M _T	-8.07	-0.11		-1.75	▷	0.00	0.67		-0.13	LC 1-4			
	Min M _T	-7.79	0.10		-1.81	▷	-0.00	0.74		0.10	LC 1-5			
	Max M _y	-4.99	-0.01		-2.49		0.00	1.54		-0.02	LC 1-4			
	Min M _y	-10.88	0.00		-1.06		0.00	-0.12		-0.00	LC 1-5			
	Max M _z	-8.35	0.78		-1.80		0.00	0.73	▷	0.83	LC 1-5			
	Min M _z	-7.51	-0.79		-1.76		0.00	0.68	▷	-0.86	LC 1-4			
	Max N	-4.81	-0.09	▷	0.87		0.00	-0.20		0.09	LC 1-5			
	Min N	-10.98	0.07	▷	2.24		0.00	1.15		-0.09	LC 1-4			
	Max V _y	-8.31	0.78	▷	1.54		0.00	0.46		-0.84	LC 1-5			
	Min V _y	-7.48	-0.79	▷	1.57		0.00	0.49		0.85	LC 1-4			
	Max V _z	-10.84	0.00	▷	2.27		0.00	1.18		-0.01	LC 1-5			
Min V _z	-4.95	-0.02	▷	0.84		0.00	-0.23		0.01	LC 1-4				
Max M _T	-8.04	-0.11		1.58	▷	0.00	0.50		0.11	LC 1-4				
Min M _T	-7.75	0.10		1.53	▷	-0.00	0.45		-0.11	LC 1-5				
Max M _y	-10.84	0.00		2.27		0.00	1.18		-0.01	LC 1-5				
Min M _y	-4.95	-0.02		0.84		0.00	-0.23		0.01	LC 1-4				
Max M _z	-7.47	-0.79		1.57		0.00	0.49	▷	0.85	LC 1-4				
Min M _z	-8.32	0.78		1.54		0.00	0.46	▷	-0.84	LC 1-5				
Max N	-4.81	-0.09	▷	0.87		0.00	-0.20		0.09	LC 1-5				
Min N	-10.98	0.07	▷	2.24		0.00	1.15		-0.09	LC 1-4				
Max V _y	-8.31	0.78	▷	1.54		0.00	0.46		-0.84	LC 1-5				
Min V _y	-7.48	-0.79	▷	1.57		0.00	0.49		0.85	LC 1-4				
Max V _z	-10.84	0.00	▷	2.27		0.00	1.18		-0.01	LC 1-5				
Min V _z	-4.95	-0.02	▷	0.84		0.00	-0.23		0.01	LC 1-4				
Max M _T	-8.04	-0.11		1.58	▷	0.00	0.50		0.11	LC 1-4				
Min M _T	-7.75	0.10		1.53	▷	-0.00	0.45		-0.11	LC 1-5				
Max M _y	-10.84	0.00		2.27		0.00	1.18		-0.01	LC 1-5				
Min M _y	-4.95	-0.02		0.84		0.00	-0.23		0.01	LC 1-4				
Max M _z	-7.47	-0.79		1.57		0.00	0.49	▷	0.85	LC 1-4				
Min M _z	-8.32	0.78		1.54		0.00	0.46	▷	-0.84	LC 1-5				
182	RC1	112	0.000 Left	Max N	-4.92	0.00		-0.81	0.00	0.33	0.00	CO 12		
				Min N	-15.70	0.00		-3.03	0.00	1.16	0.00	0.00	CO 1	
				Max V _y	-4.92	▷	0.00	-0.81	0.00	0.33	0.00	0.00	CO 14	
				Min V _y	-15.70	▷	0.00	-3.03	0.00	1.16	0.00	0.00	CO 2	
				Max V _z	-4.93	0.00	▷	-0.81	0.00	0.32	0.00	0.00	CO 13	
				Min V _z	-15.70	0.00	▷	-3.03	0.00	1.16	0.00	0.00	CO 4	
				Max M _T	-15.70	0.00		-3.03	▷	0.00	1.16	0.00	0.00	CO 5
				Min M _T	-4.92	0.00		-0.81	▷	0.00	0.33	0.00	0.00	CO 14
				Max M _y	-15.70	0.00		-3.03		0.00	1.16	0.00	0.00	CO 4
				Min M _y	-4.93	0.00		-0.81	▷	0.00	0.32	0.00	0.00	CO 13
				Max M _z	-4.92	0.00		-0.81		0.00	0.33	▷	0.00	CO 14
				Min M _z	-15.70	0.00		-3.03		0.00	1.16	▷	0.00	CO 5
			0.000 Right	Max N	-4.92	▷	0.00	-0.81	0.00	0.33	0.00	0.00	CO 12	
				Min N	-15.70	▷	0.00	-3.03	0.00	1.16	0.00	0.00	CO 1	
				Max V _y	-4.92	▷	0.00	-0.81	0.00	0.33	0.00	0.00	CO 14	
				Min V _y	-15.70	▷	0.00	-3.03	0.00	1.16	0.00	0.00	CO 2	
				Max V _z	-4.93	0.00	▷	-0.81	0.00	0.32	0.00	0.00	CO 13	
				Min V _z	-15.70	0.00	▷	-3.03	0.00	1.16	0.00	0.00	CO 4	
				Max M _T	-15.70	0.00		-3.03	▷	0.00	1.16	0.00	0.00	CO 5
				Min M _T	-4.92	0.00		-0.81	▷	0.00	0.33	0.00	0.00	CO 14
				Max M _y	-15.70	0.00		-3.03		0.00	1.16	▷	0.00	CO 4
				Min M _y	-4.93	0.00		-0.81	▷	0.00	0.32	0.00	0.00	CO 13
				Max M _z	-4.92	0.00		-0.81		0.00	0.33	▷	0.00	CO 14
				Min M _z	-15.70	0.00		-3.03		0.00	1.16	▷	0.00	CO 5
			2.107	Max N	-4.11	▷	0.00	0.70	0.00	0.20		-0.00	CO 12	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
182	RC1		Left	Min N	▷ -14.89	0.00	2.81	0.00	0.92	-0.00	CO 1
				Max V _y	▷ -14.89	0.00	2.81	0.00	0.92	-0.00	CO 2
				Min V _y	▷ -4.11	0.00	0.70	0.00	0.20	-0.00	CO 11
				Max V _z	▷ -14.88	0.00	2.81	0.00	0.92	-0.00	CO 7
				Min V _z	▷ -4.12	0.00	0.70	0.00	0.20	-0.00	CO 10
				Max M _T	▷ -14.88	0.00	2.81	▷ 0.00	0.92	-0.00	CO 6
				Min M _T	▷ -4.11	0.00	0.70	▷ 0.00	0.20	-0.00	CO 14
				Max M _y	▷ -14.88	0.00	2.81	0.00	▷ 0.92	-0.00	CO 7
				Min M _y	▷ -4.12	0.00	0.70	0.00	▷ 0.20	-0.00	CO 10
				Max M _z	▷ -4.11	0.00	0.70	0.00	▷ 0.20	-0.00	CO 14
				Min M _z	▷ -14.88	0.00	2.81	0.00	▷ 0.92	-0.00	CO 5
		157	2.107 Right	Max N	▷ -4.11	0.00	0.70	0.00	0.20	-0.00	CO 12
				Min N	▷ -14.89	0.00	2.81	0.00	0.92	-0.00	CO 1
				Max V _y	▷ -14.89	▷ 0.00	2.81	0.00	0.92	-0.00	CO 2
				Min V _y	▷ -4.11	▷ 0.00	0.70	0.00	0.20	-0.00	CO 11
				Max V _z	▷ -14.88	0.00	2.81	0.00	0.92	-0.00	CO 7
				Min V _z	▷ -4.12	0.00	0.70	0.00	0.20	-0.00	CO 10
				Max M _T	▷ -14.88	0.00	2.81	▷ 0.00	0.92	-0.00	CO 6
				Min M _T	▷ -4.11	0.00	0.70	▷ 0.00	0.20	-0.00	CO 14
				Max M _y	▷ -14.88	0.00	2.81	0.00	▷ 0.92	-0.00	CO 7
				Min M _y	▷ -4.12	0.00	0.70	0.00	▷ 0.20	-0.00	CO 10
				Max M _z	▷ -4.11	0.00	0.70	0.00	▷ 0.20	-0.00	CO 14
				Min M _z	▷ -14.88	0.00	2.81	0.00	▷ 0.92	-0.00	CO 5
	RC2	112	0.000 Left	Max N	▷ -3.29	0.00	-0.54	0.00	0.22	0.00	CO 26
				Min N	▷ -11.27	0.00	-2.19	0.00	0.83	0.00	CO 15
				Max V _y	▷ -3.29	▷ 0.00	-0.54	0.00	0.21	0.00	CO 28
				Min V _y	▷ -11.27	▷ 0.00	-2.19	0.00	0.83	0.00	CO 16
				Max V _z	▷ -3.29	0.00	-0.54	0.00	0.21	0.00	CO 27
				Min V _z	▷ -11.27	0.00	-2.19	0.00	0.83	0.00	CO 18
				Max M _T	▷ -11.27	0.00	-2.19	▷ 0.00	0.83	0.00	CO 19
				Min M _T	▷ -3.29	0.00	-0.54	▷ 0.00	0.21	0.00	CO 28
				Max M _y	▷ -11.27	0.00	-2.19	0.00	▷ 0.83	0.00	CO 18
				Min M _y	▷ -3.29	0.00	-0.54	0.00	▷ 0.21	0.00	CO 27
				Max M _z	▷ -3.29	0.00	-0.54	0.00	▷ 0.21	0.00	CO 28
				Min M _z	▷ -11.27	0.00	-2.19	0.00	▷ 0.83	0.00	CO 19
			0.000 Right	Max N	▷ -3.29	0.00	-0.54	0.00	0.22	0.00	CO 26
				Min N	▷ -11.27	0.00	-2.19	0.00	0.83	0.00	CO 15
				Max V _y	▷ -3.29	▷ 0.00	-0.54	0.00	0.21	0.00	CO 28
				Min V _y	▷ -11.27	▷ 0.00	-2.19	0.00	0.83	0.00	CO 16
				Max V _z	▷ -3.29	0.00	-0.54	0.00	0.21	0.00	CO 27
				Min V _z	▷ -11.27	0.00	-2.19	0.00	0.83	0.00	CO 18
				Max M _T	▷ -11.27	0.00	-2.19	▷ 0.00	0.83	0.00	CO 19
				Min M _T	▷ -3.29	0.00	-0.54	▷ 0.00	0.21	0.00	CO 28
				Max M _y	▷ -11.27	0.00	-2.19	0.00	▷ 0.83	0.00	CO 18
				Min M _y	▷ -3.29	0.00	-0.54	0.00	▷ 0.21	0.00	CO 27
				Max M _z	▷ -3.29	0.00	-0.54	0.00	▷ 0.21	0.00	CO 28
				Min M _z	▷ -11.27	0.00	-2.19	0.00	▷ 0.83	0.00	CO 19
			2.107 Left	Max N	▷ -2.74	0.00	0.47	0.00	0.14	-0.00	CO 26
				Min N	▷ -10.73	0.00	2.03	0.00	0.67	-0.00	CO 15
				Max V _y	▷ -10.73	▷ 0.00	2.03	0.00	0.67	-0.00	CO 16
				Min V _y	▷ -2.75	▷ 0.00	0.47	0.00	0.14	-0.00	CO 25
				Max V _z	▷ -10.72	0.00	2.03	0.00	0.67	-0.00	CO 21
				Min V _z	▷ -2.75	0.00	0.47	0.00	0.14	-0.00	CO 24
				Max M _T	▷ -10.72	0.00	2.03	▷ 0.00	0.67	-0.00	CO 20
				Min M _T	▷ -2.74	0.00	0.47	▷ 0.00	0.14	-0.00	CO 28
				Max M _y	▷ -10.72	0.00	2.03	0.00	▷ 0.67	-0.00	CO 21
				Min M _y	▷ -2.75	0.00	0.47	0.00	▷ 0.14	-0.00	CO 24
				Max M _z	▷ -2.74	0.00	0.47	0.00	▷ 0.14	-0.00	CO 28
				Min M _z	▷ -10.72	0.00	2.03	0.00	▷ 0.67	-0.00	CO 19
		157	2.107 Right	Max N	▷ -2.74	0.00	0.47	0.00	0.14	-0.00	CO 26
				Min N	▷ -10.73	0.00	2.03	0.00	0.67	-0.00	CO 15
				Max V _y	▷ -10.73	▷ 0.00	2.03	0.00	0.67	-0.00	CO 16
				Min V _y	▷ -2.75	▷ 0.00	0.47	0.00	0.14	-0.00	CO 25
				Max V _z	▷ -10.72	0.00	2.03	0.00	0.67	-0.00	CO 21
				Min V _z	▷ -2.75	0.00	0.47	0.00	0.14	-0.00	CO 24
				Max M _T	▷ -10.72	0.00	2.03	▷ 0.00	0.67	-0.00	CO 20
				Min M _T	▷ -2.74	0.00	0.47	▷ 0.00	0.14	-0.00	CO 28
				Max M _y	▷ -10.72	0.00	2.03	0.00	▷ 0.67	-0.00	CO 21
				Min M _y	▷ -2.75	0.00	0.47	0.00	▷ 0.14	-0.00	CO 24
				Max M _z	▷ -2.74	0.00	0.47	0.00	▷ 0.14	-0.00	CO 28
				Min M _z	▷ -10.72	0.00	2.03	0.00	▷ 0.67	-0.00	CO 19
	RC6	112	0.000 Left	Max N	▷ -4.85	0.07	-2.36	0.00	1.38	0.08	LC 1-5
				Min N	▷ -10.99	-0.07	-0.95	0.00	-0.21	-0.07	LC 1-4
				Max V _y	▷ -7.53	0.79	-1.65	0.00	0.58	0.83	LC 1-4
				Min V _y	▷ -8.31	▷ -0.78	-1.66	0.00	0.59	-0.82	LC 1-5
				Max V _z	▷ -10.85	0.01	-0.93	0.00	-0.23	0.01	LC 1-5
				Min V _z	▷ -4.99	-0.01	-2.38	0.00	1.41	-0.01	LC 1-4
				Max M _T	▷ -8.25	0.07	-1.60	▷ 0.00	0.52	0.08	LC 1-5
				Min M _T	▷ -7.59	-0.07	-1.72	▷ 0.00	0.66	-0.07	LC 1-4
				Max M _y	▷ -5.00	-0.01	-2.38	0.00	1.41	-0.01	LC 1-4
				Min M _y	▷ -10.84	0.01	-0.93	0.00	▷ -0.23	0.01	LC 1-5
				Max M _z	▷ -7.52	0.79	-1.65	0.00	0.58	0.83	LC 1-4
				Min M _z	▷ -8.32	-0.78	-1.66	0.00	0.59	-0.82	LC 1-5
		0.000 Right		Max N	▷ -4.85	0.07	-2.36	0.00	1.38	0.08	LC 1-5
				Min N	▷ -10.99	-0.07	-0.95	0.00	-0.21	-0.07	LC 1-4
				Max V _y	▷ -7.53	0.79	-1.65	0.00	0.58	0.83	LC 1-4
				Min V _y	▷ -8.31	▷ -0.78	-1.66	0.00	0.59	-0.82	LC 1-5
				Max V _z	▷ -10.85	0.01	-0.93	0.00	-0.23	0.01	LC 1-5
				Min V _z	▷ -4.99	-0.01	-2.38	0.00	1.41	-0.01	LC 1-4
				Max M _T	▷ -8.25	0.07	-1.60	▷ 0.00	0.52	0.08	LC 1-5
				Min M _T	▷ -7.59	-0.07	-1.72	▷ 0.00	0.66	-0.07	LC 1-4
				Max M _y	▷ -5.00	-0.01	-2.38	0.00	1.41	-0.01	LC 1-4

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
182	RC6	157	2.107 Left	Min M _y	-10.84	0.01	-0.93	0.00	-0.23	0.01	LC 1-5
				Max M _z	-7.52	0.79	-1.65	0.00	0.58	0.83	LC 1-4
				Min M _z	-8.32	-0.78	-1.66	0.00	0.59	-0.82	LC 1-5
				Max N	-4.82	0.07	0.91	0.00	-0.14	-0.07	LC 1-5
				Min N	-10.95	-0.07	2.32	0.00	1.23	0.07	LC 1-4
				Max V _y	-7.50	0.79	1.62	0.00	0.55	-0.83	LC 1-4
				Min V _y	-8.27	-0.78	1.61	0.00	0.54	0.83	LC 1-5
				Max V _z	-10.81	0.01	2.34	0.00	1.26	-0.01	LC 1-5
				Min V _z	-4.96	-0.01	0.89	0.00	-0.17	0.01	LC 1-4
				Max M _T	-8.21	0.07	1.67	0.00	0.60	-0.08	LC 1-5
				Min M _T	-7.56	-0.07	1.55	0.00	0.49	0.08	LC 1-4
				Max M _y	-10.81	0.01	2.34	0.00	1.26	-0.01	LC 1-5
			2.107 Right	Min M _y	-4.96	-0.01	0.89	0.00	-0.17	0.01	LC 1-4
				Max M _z	-8.29	-0.78	1.60	0.00	0.54	0.83	LC 1-4
				Min M _z	-7.48	0.79	1.62	0.00	0.55	-0.83	LC 1-5
				Max N	-4.82	0.07	0.91	0.00	-0.14	-0.07	LC 1-5
				Min N	-10.95	-0.07	2.32	0.00	1.23	0.07	LC 1-4
				Max V _y	-7.50	0.79	1.62	0.00	0.55	-0.83	LC 1-4
				Min V _y	-8.27	-0.78	1.61	0.00	0.54	0.83	LC 1-5
				Max V _z	-10.81	0.01	2.34	0.00	1.26	-0.01	LC 1-5
				Min V _z	-4.96	-0.01	0.89	0.00	-0.17	0.01	LC 1-4
				Max M _T	-8.21	0.07	1.67	0.00	0.60	-0.08	LC 1-5
				Min M _T	-7.56	-0.07	1.55	0.00	0.49	0.08	LC 1-4
				Max M _y	-10.81	0.01	2.34	0.00	1.26	-0.01	LC 1-5
184	RC1	123	0.000 Left	Min M _z	-7.48	0.79	1.62	0.00	0.55	-0.83	LC 1-5
				Max N	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 14
				Min N	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 3
				Max V _y	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 1
				Min V _y	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 13
				Max V _z	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 13
				Min V _z	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 3
				Max M _T	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 3
				Min M _T	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 14
				Max M _y	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 4
				Min M _y	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 13
				Max M _z	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 6
			0.000 Right	Min M _z	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 9
				Max N	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 14
				Min N	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 3
				Max V _y	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 1
				Min V _y	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 13
				Max V _z	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 13
				Min V _z	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 3
				Max M _T	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 3
				Min M _T	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 14
				Max M _y	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 4
				Min M _y	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 13
				Max M _z	-17.77	0.00	-3.04	0.00	1.21	-0.00	CO 6
			2.147 Left	Min M _z	-5.77	-0.00	-0.66	0.00	0.20	-0.00	CO 9
				Max N	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 14
				Min N	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 3
				Max V _y	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 12
				Min V _y	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 1
				Max V _z	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 7
				Min V _z	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 10
				Max M _T	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 5
				Min M _T	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 14
				Max M _y	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 8
				Min M _y	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 9
				Max M _z	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 2
		158	2.147 Right	Min M _z	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 10
				Max N	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 14
				Min N	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 3
				Max V _y	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 12
				Min V _y	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 1
				Max V _z	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 7
				Min V _z	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 10
				Max M _T	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 5
				Min M _T	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 14
				Max M _y	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 8
				Min M _y	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 9
				Max M _z	-17.04	-0.00	2.75	0.00	0.89	0.00	CO 2
184	RC2	123	0.000 Left	Min M _z	-5.04	-0.00	0.72	0.00	0.26	0.00	CO 10
				Max N	-3.88	-0.00	-0.44	0.00	0.13	-0.00	CO 28
				Min N	-12.76	0.00	-2.20	0.00	0.88	-0.00	CO 17
				Max V _y	-12.76	0.00	-2.20	0.00	0.88	-0.00	CO 19
				Min V _y	-3.88	-0.00	-0.44	0.00	0.13	-0.00	CO 27
				Max V _z	-3.88	-0.00	-0.44	0.00	0.13	-0.00	CO 27
				Min V _z	-12.76	0.00	-2.20	0.00	0.88	-0.00	CO 18
				Max M _T	-12.76	0.00	-2.20	0.00	0.88	-0.00	CO 17
				Min M _T	-3.88	-0.00	-0.44	0.00	0.13	-0.00	CO 28
				Max M _y	-12.76	0.00	-2.20	0.00	0.88	-0.00	CO 18
				Min M _y	-3.88	-0.00	-0.44	0.00	0.13	-0.00	CO 27
				Max M _z	-12.76	0.00	-2.20	0.00	0.88	-0.00	CO 20
			0.000 Right	Min M _z	-3.88	-0.00	-0.44	0.00	0.13	-0.00	CO 23
				Max N	-3.88	-0.00	-0.44	0.00	0.13	-0.00	CO 28
				Min N	-12.76	0.00	-2.20	0.00	0.88	-0.00	CO 17
				Max V _y	-12.76	0.00	-2.20	0.00	0.88	-0.00	CO 19
				Min V _y	-3.88	-0.00	-0.44	0.00	0.13	-0.00	CO 27
				Max V _z	-3.88	-0.00	-0.44	0.00	0.13	-0.00	CO 27

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding			
					N	V _y	V _z	M _T	M _y	M _z	Load Cases			
184	RC2			2.147 Left	Min V _z	-12.76	0.00	▷	-2.20	0.00	0.88	-0.00	CO 18	
					Max M _T	-12.76	0.00	▷	-2.20	0.00	0.88	-0.00	CO 17	
					Min M _T	-3.88	-0.00	▷	-0.44	0.00	0.13	-0.00	CO 28	
					Max M _y	-12.76	0.00	▷	-2.20	0.00	0.88	-0.00	CO 18	
					Min M _y	-3.88	-0.00	▷	-0.44	0.00	0.13	-0.00	CO 27	
					Max M _z	-12.76	0.00	▷	-2.20	0.00	0.88	-0.00	CO 20	
					Min M _z	-3.88	-0.00	▷	-0.44	0.00	0.13	-0.00	CO 23	
					Max N	-3.39	-0.00	▷	0.49	0.00	0.18	0.00	CO 28	
					Min N	-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 17	
					Max V _y	-3.39	-0.00	▷	0.49	0.00	0.17	0.00	CO 26	
					Min V _y	-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 15	
					Max V _z	-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 21	
					Min V _z	-3.39	-0.00	▷	0.49	0.00	0.17	0.00	CO 24	
					Max M _T	-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 19	
					Min M _T	-3.39	-0.00	▷	0.49	0.00	0.18	0.00	CO 28	
					Max M _y	-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 22	
					Min M _y	-3.39	-0.00	▷	0.49	0.00	0.17	0.00	CO 23	
					Max M _z	-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 16	
					Min M _z	-3.39	-0.00	▷	0.49	0.00	0.17	0.00	CO 24	
					2.147 Right	Max N	-3.39	-0.00	▷	0.49	0.00	0.18	0.00	CO 28
						Min N	-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 17
				Max V _y		-3.39	-0.00	▷	0.49	0.00	0.17	0.00	CO 26	
				Min V _y		-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 15	
				Max V _z		-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 21	
				Min V _z		-3.39	-0.00	▷	0.49	0.00	0.17	0.00	CO 24	
				Max M _T		-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 19	
				Min M _T		-3.39	-0.00	▷	0.49	0.00	0.18	0.00	CO 28	
				Max M _y		-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 22	
				Min M _y		-3.39	-0.00	▷	0.49	0.00	0.17	0.00	CO 23	
				Max M _z		-12.28	-0.00	▷	1.99	0.00	0.64	0.00	CO 16	
				Min M _z		-3.39	-0.00	▷	0.49	0.00	0.17	0.00	CO 24	
				0.000 Left		Max N	-6.00	-0.01	▷	-2.59	0.00	1.65	-0.01	LC 1-4
						Min N	-12.43	0.00	▷	-0.94	0.00	-0.26	-0.00	LC 1-5
						Max V _y	-8.97	1.16	▷	-1.82	0.00	0.76	1.24	LC 1-5
						Min V _y	-9.45	-1.16	▷	-1.71	0.00	0.63	-1.25	LC 1-4
						Max V _z	-12.39	0.01	▷	-0.94	0.00	-0.27	0.01	LC 1-5
						Min V _z	-6.03	-0.02	▷	-2.60	0.00	1.66	-0.02	LC 1-4
						Max M _T	-8.76	0.02	▷	-1.88	0.00	0.82	0.01	LC 1-5
						Min M _T	-9.67	-0.02	▷	-1.66	-0.00	0.57	-0.02	LC 1-4
						Max M _y	-6.03	-0.02	▷	-2.60	0.00	1.66	-0.02	LC 1-4
					Min M _y	-12.40	0.01	▷	-0.94	0.00	-0.27	0.01	LC 1-5	
					Max M _z	-8.97	1.16	▷	-1.82	0.00	0.76	1.24	LC 1-5	
					Min M _z	-9.46	-1.16	▷	-1.71	0.00	0.63	-1.25	LC 1-4	
					0.000 Right	Max N	-6.00	-0.01	▷	-2.59	0.00	1.65	-0.01	LC 1-4
						Min N	-12.43	0.00	▷	-0.94	0.00	-0.26	-0.00	LC 1-5
						Max V _y	-8.97	1.16	▷	-1.82	0.00	0.76	1.24	LC 1-5
						Min V _y	-9.45	-1.16	▷	-1.71	0.00	0.63	-1.25	LC 1-4
						Max V _z	-12.39	0.01	▷	-0.94	0.00	-0.27	0.01	LC 1-5
						Min V _z	-6.03	-0.02	▷	-2.60	0.00	1.66	-0.02	LC 1-4
						Max M _T	-8.76	0.02	▷	-1.88	0.00	0.82	0.01	LC 1-5
						Min M _T	-9.67	-0.02	▷	-1.66	-0.00	0.57	-0.02	LC 1-4
						Max M _y	-6.03	-0.02	▷	-2.60	0.00	1.66	-0.02	LC 1-4
				Min M _y		-12.40	0.01	▷	-0.94	0.00	-0.27	0.01	LC 1-5	
				Max M _z		-8.97	1.16	▷	-1.82	0.00	0.76	1.24	LC 1-5	
				Min M _z		-9.46	-1.16	▷	-1.71	0.00	0.63	-1.25	LC 1-4	
				2.147 Left		Max N	-5.96	-0.01	▷	0.74	0.00	-0.33	0.00	LC 1-4
						Min N	-12.39	0.00	▷	2.39	0.00	1.29	-0.00	LC 1-5
						Max V _y	-8.94	1.16	▷	1.51	0.00	0.43	-1.24	LC 1-5
						Min V _y	-9.42	-1.16	▷	1.62	0.00	0.53	1.25	LC 1-4
						Max V _z	-12.36	0.01	▷	2.40	0.00	1.30	-0.02	LC 1-5
						Min V _z	-6.00	-0.02	▷	0.73	0.00	-0.34	0.02	LC 1-4
						Max M _T	-8.72	0.02	▷	1.46	0.00	0.37	-0.03	LC 1-5
						Min M _T	-9.64	-0.02	▷	1.67	-0.00	0.58	0.03	LC 1-4
						Max M _y	-12.36	0.01	▷	2.40	0.00	1.30	-0.02	LC 1-5
					Min M _y	-6.00	-0.02	▷	0.73	0.00	-0.34	0.02	LC 1-4	
					Max M _z	-9.42	-1.16	▷	1.62	0.00	0.53	1.25	LC 1-5	
					Min M _z	-8.94	1.16	▷	1.51	0.00	0.43	-1.24	LC 1-4	
					2.147 Right	Max N	-5.96	-0.01	▷	0.74	0.00	-0.33	0.00	LC 1-4
						Min N	-12.39	0.00	▷	2.39	0.00	1.29	-0.00	LC 1-5
						Max V _y	-8.94	1.16	▷	1.51	0.00	0.43	-1.24	LC 1-5
						Min V _y	-9.42	-1.16	▷	1.62	0.00	0.53	1.25	LC 1-4
						Max V _z	-12.36	0.01	▷	2.40	0.00	1.30	-0.02	LC 1-5
						Min V _z	-6.00	-0.02	▷	0.73	0.00	-0.34	0.02	LC 1-4
						Max M _T	-8.72	0.02	▷	1.46	0.00	0.37	-0.03	LC 1-5
						Min M _T	-9.64	-0.02	▷	1.67	-0.00	0.58	0.03	LC 1-4
						Max M _y	-12.36	0.01	▷	2.40	0.00	1.30	-0.02	LC 1-5
				Min M _y		-6.00	-0.02	▷	0.73	0.00	-0.34	0.02	LC 1-4	
				Max M _z		-9.42	-1.16	▷	1.62	0.00	0.53	1.25	LC 1-5	
				Min M _z		-8.94	1.16	▷	1.51	0.00	0.43	-1.24	LC 1-4	
0.000	Max N	-5.93	-0.00	▷		-0.81	0.00	0.31	0.00	CO 14				
	Min N	-17.92	-0.00	▷		-3.02	0.00	1.16	-0.00	CO 5				
	Max V _y	-5.93	-0.00	▷		-0.81	0.00	0.31	0.00	CO 14				
	Min V _y	-17.92	-0.00	▷		-3.02	0.00	1.15	-0.00	CO 2				
	Max V _z	-5.93	-0.00	▷		-0.81	0.00	0.31	0.00	CO 14				
	Min V _z	-17.92	-0.00	▷		-3.02	0.00	1.16	-0.00	CO 4				
	Max M _T	-17.92	-0.00	▷		-3.02	0.00	1.16	-0.00	CO 5				
	Min M _T	-5.93	-0.00	▷		-0.81	0.00	0.31	0.00	CO 14				
	Max M _y	-17.92	-0.00	▷		-3.02	0.00	1.16	-0.00	CO 3				
	Min M _y	-5.93	-0.00	▷	-0.81	0.00	0.31	0.00	CO 14					
	Max M _z	-5.93	-0.00	▷	-0.81	0.00	0.31	0.00	CO 14					
	Min M _z	-17.92	-0.00	▷	-3.02	0.00	1.16	-0.00	CO 5					
	0.000	Max N	-5.93	-0.00	▷	-0.81	0.00	0.31	0.00	CO 14				

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
185	RC1		Right	Min N	-17.92	-0.00	-3.02	0.00	1.16	-0.00	CO 5
				Max V _y	-5.93	-0.00	-0.81	0.00	0.31	0.00	CO 14
				Min V _y	-17.92	-0.00	-3.02	0.00	1.15	-0.00	CO 2
				Max V _z	-5.93	-0.00	-0.81	0.00	0.31	0.00	CO 14
				Min V _z	-17.92	-0.00	-3.02	0.00	1.16	-0.00	CO 4
				Max M _T	-17.92	-0.00	-3.02	0.00	1.16	-0.00	CO 5
				Min M _T	-5.93	-0.00	-0.81	0.00	0.31	0.00	CO 14
				Max M _y	-17.92	-0.00	-3.02	0.00	1.16	-0.00	CO 3
				Min M _y	-5.93	-0.00	-0.81	0.00	0.31	0.00	CO 14
				Max M _z	-5.93	-0.00	-0.81	0.00	0.31	0.00	CO 14
				Min M _z	-17.92	-0.00	-3.02	0.00	1.16	-0.00	CO 5
			2.107 Left	Max N	-5.11	0.00	0.71	0.00	0.21	0.00	CO 14
				Min N	-17.11	-0.00	2.82	0.00	0.94	0.00	CO 5
				Max V _y	-5.11	0.00	0.71	0.00	0.21	0.00	CO 14
				Min V _y	-17.11	-0.00	2.82	0.00	0.94	0.00	CO 5
				Max V _z	-17.11	-0.00	2.82	0.00	0.94	0.00	CO 7
				Min V _z	-5.11	-0.00	0.71	0.00	0.21	0.00	CO 9
				Max M _T	-5.11	-0.00	0.71	0.00	0.21	0.00	CO 11
				Min M _T	-17.11	-0.00	2.82	0.00	0.94	0.00	CO 7
				Max M _y	-17.11	-0.00	2.82	0.00	0.94	0.00	CO 7
				Min M _y	-5.11	0.00	0.71	0.00	0.21	0.00	CO 10
				Max M _z	-17.11	-0.00	2.82	0.00	0.93	0.00	CO 6
				Min M _z	-5.11	0.00	0.71	0.00	0.21	0.00	CO 13
		159	2.107 Right	Max N	-5.11	0.00	0.71	0.00	0.21	0.00	CO 14
				Min N	-17.11	-0.00	2.82	0.00	0.94	0.00	CO 5
				Max V _y	-5.11	0.00	0.71	0.00	0.21	0.00	CO 14
				Min V _y	-17.11	-0.00	2.82	0.00	0.94	0.00	CO 5
				Max V _z	-17.11	-0.00	2.82	0.00	0.94	0.00	CO 7
				Min V _z	-5.11	-0.00	0.71	0.00	0.21	0.00	CO 9
				Max M _T	-5.11	-0.00	0.71	0.00	0.21	0.00	CO 11
				Min M _T	-17.11	-0.00	2.82	0.00	0.94	0.00	CO 7
				Max M _y	-17.11	-0.00	2.82	0.00	0.94	0.00	CO 7
				Min M _y	-5.11	0.00	0.71	0.00	0.21	0.00	CO 10
				Max M _z	-17.11	-0.00	2.82	0.00	0.93	0.00	CO 6
				Min M _z	-5.11	0.00	0.71	0.00	0.21	0.00	CO 13
	RC2	122	0.000 Left	Max N	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Min N	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 19
				Max V _y	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Min V _y	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 20
				Max V _z	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Min V _z	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 18
				Max M _T	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 19
				Min M _T	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Max M _y	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 17
				Min M _y	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Max M _z	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Min M _z	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 19
			0.000 Right	Max N	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Min N	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 19
				Max V _y	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Min V _y	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 20
				Max V _z	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Min V _z	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 18
				Max M _T	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 19
				Min M _T	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Max M _y	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 17
				Min M _y	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Max M _z	-3.99	0.00	-0.54	0.00	0.21	0.00	CO 28
				Min M _z	-12.87	-0.00	-2.18	0.00	0.83	-0.00	CO 19
		159	2.107 Left	Max N	-3.44	0.00	0.48	0.00	0.14	0.00	CO 28
				Min N	-12.32	-0.00	2.04	0.00	0.68	0.00	CO 19
				Max V _y	-3.44	0.00	0.48	0.00	0.14	0.00	CO 28
				Min V _y	-12.32	-0.00	2.04	0.00	0.68	0.00	CO 19
				Max V _z	-12.32	-0.00	2.04	0.00	0.68	0.00	CO 22
				Min V _z	-3.44	0.00	0.48	0.00	0.14	0.00	CO 23
				Max M _T	-12.32	-0.00	2.04	0.00	0.68	0.00	CO 17
				Min M _T	-3.44	0.00	0.48	0.00	0.14	0.00	CO 28
				Max M _y	-12.32	-0.00	2.04	0.00	0.68	0.00	CO 21
				Min M _y	-3.44	0.00	0.48	0.00	0.14	0.00	CO 24
				Max M _z	-12.32	-0.00	2.04	0.00	0.68	0.00	CO 20
				Min M _z	-3.44	0.00	0.48	0.00	0.14	0.00	CO 27
RC6	122	0.000 Left		Max N	-6.03	-0.02	-2.49	0.00	1.52	-0.02	LC 1-4
				Min N	-12.45	0.02	-0.81	0.00	-0.37	0.02	LC 1-5
				Max V _y	-9.04	1.38	-1.70	0.00	0.63	1.45	LC 1-4
				Min V _y	-9.45	-1.38	-1.60	0.00	0.52	-1.45	LC 1-5
				Max V _z	-12.41	0.02	-0.80	0.00	-0.38	0.02	LC 1-5
				Min V _z	-6.08	-0.02	-2.50	0.00	1.53	-0.02	LC 1-4
				Max M _T	-9.21	-0.03	-1.66	0.00	0.59	-0.03	LC 1-5
				Min M _T	-9.28	0.03	-1.64	-0.00	0.56	0.03	LC 1-4
				Max M _y	-6.08	-0.02	-2.50	0.00	1.53	-0.02	LC 1-4

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding				
					N	V _y	V _z	M _T	M _y	M _z	Load Cases				
185	RC6		0.000 Right	Min M _y	-12.41	0.02	-0.80	0.00	▷	-0.38	0.02	LC 1-5			
				Max M _z	-9.03	1.38	-1.70	0.00		1.45	LC 1-4				
				Min M _z	-9.46	-1.38	-1.60	0.00	▷	-1.45	LC 1-5				
				Max N	-6.03	-0.02	-2.49	0.00		1.52	LC 1-4				
				Min N	-12.45	0.02	-0.81	0.00	▷	-0.37	LC 1-5				
				Max V _y	-9.04	1.38	-1.70	0.00		0.63	LC 1-4				
				Min V _y	-9.45	-1.38	-1.60	0.00	▷	0.52	LC 1-5				
				Max V _z	-12.41	0.02	-0.80	0.00		-0.38	LC 1-5				
				Min V _z	-6.08	-0.02	-2.50	0.00	▷	1.53	LC 1-4				
				Max M _T	-9.21	-0.03	-1.66	0.00		0.59	LC 1-5				
				Min M _T	-9.28	0.03	-1.64	-0.00	▷	0.56	LC 1-4				
				Max M _y	-6.08	-0.02	-2.50	0.00	▷	1.53	LC 1-4				
				Min M _y	-12.41	0.02	-0.80	0.00	▷	-0.38	LC 1-5				
				Max M _z	-9.03	1.38	-1.70	0.00		0.64	LC 1-4				
				Min M _z	-9.46	-1.38	-1.60	0.00	▷	0.52	LC 1-5				
				Max N	-6.00	-0.02	0.78	0.00		-0.27	LC 1-4				
				Min N	-12.42	0.02	2.46	0.00	▷	1.37	LC 1-5				
				Max V _y	-9.00	1.38	1.57	0.00		0.50	LC 1-4				
				Min V _y	-9.42	-1.38	1.67	0.00		0.60	LC 1-5				
				Max V _z	-12.37	0.02	2.47	0.00		1.38	LC 1-5				
				Min V _z	-6.04	-0.02	0.77	0.00		-0.28	LC 1-4				
				Max M _T	-9.18	-0.03	1.61	0.00		0.54	LC 1-5				
				Min M _T	-9.24	0.03	1.63	-0.00	▷	0.57	LC 1-4				
				Max M _y	-12.38	0.02	2.47	0.00	▷	1.38	LC 1-5				
				Min M _y	-6.04	-0.02	0.77	0.00	▷	-0.28	LC 1-4				
				Max M _z	-9.41	-1.38	1.67	0.00		0.60	LC 1-5				
				Min M _z	-9.00	1.38	1.57	0.00	▷	0.50	LC 1-4				
				Max N	-6.00	-0.02	0.78	0.00		-0.27	LC 1-4				
				Min N	-12.42	0.02	2.46	0.00		1.37	LC 1-5				
				Max V _y	-9.00	1.38	1.57	0.00		0.50	LC 1-4				
				Min V _y	-9.42	-1.38	1.67	0.00		0.60	LC 1-5				
				Max V _z	-12.37	0.02	2.47	0.00		1.38	LC 1-5				
				Min V _z	-6.04	-0.02	0.77	0.00		-0.28	LC 1-4				
				Max M _T	-9.18	-0.03	1.61	0.00		0.54	LC 1-5				
				Min M _T	-9.24	0.03	1.63	-0.00	▷	0.57	LC 1-4				
				Max M _y	-12.38	0.02	2.47	0.00	▷	1.38	LC 1-5				
				Min M _y	-6.04	-0.02	0.77	0.00	▷	-0.28	LC 1-4				
				Max M _z	-9.41	-1.38	1.67	0.00		0.60	LC 1-5				
				Min M _z	-9.00	1.38	1.57	0.00	▷	0.50	LC 1-4				
				187	RC1	126	0.000 Left	Max N	-5.78	0.00	-0.66	-0.00		0.19	0.01
Min N	-17.64	-0.00	-3.04					-0.00		1.21	0.01	CO 7			
Max V _y	-5.78	0.00	-0.66					-0.00		0.19	0.01	CO 12			
Min V _y	-17.64	-0.00	-3.04					-0.00		1.21	0.01	CO 6			
Max V _z	-5.78	0.00	-0.66					-0.00		0.19	0.01	CO 14			
Min V _z	-17.64	-0.00	-3.04					-0.00		1.21	0.01	CO 3			
Max M _T	-5.78	0.00	-0.66					-0.00		0.19	0.01	CO 9			
Min M _T	-17.64	-0.00	-3.04					-0.00		1.21	0.01	CO 7			
Max M _y	-17.64	-0.00	-3.04					-0.00	▷	1.21	0.01	CO 4			
Min M _y	-5.78	0.00	-0.66					-0.00	▷	0.19	0.01	CO 13			
Max M _z	-17.64	-0.00	-3.04					-0.00		1.21	0.01	CO 6			
Min M _z	-5.78	0.00	-0.66					-0.00	▷	0.19	0.01	CO 13			
Max N	-5.78	0.00	-0.66					-0.00		0.19	0.01	CO 10			
Min N	-17.64	-0.00	-3.04					-0.00		1.21	0.01	CO 7			
Max V _y	-5.78	0.00	-0.66					-0.00		0.19	0.01	CO 12			
Min V _y	-17.64	-0.00	-3.04					-0.00		1.21	0.01	CO 6			
Max V _z	-5.78	0.00	-0.66					-0.00		0.19	0.01	CO 14			
Min V _z	-17.64	-0.00	-3.04					-0.00		1.21	0.01	CO 3			
Max M _T	-5.78	0.00	-0.66					-0.00		0.19	0.01	CO 9			
Min M _T	-17.64	-0.00	-3.04					-0.00	▷	1.21	0.01	CO 7			
Max M _y	-17.64	-0.00	-3.04					-0.00	▷	1.21	0.01	CO 4			
Min M _y	-5.78	0.00	-0.66					-0.00	▷	0.19	0.01	CO 13			
Max M _z	-17.64	-0.00	-3.04					-0.00		1.21	0.01	CO 6			
Min M _z	-5.78	0.00	-0.66					-0.00	▷	0.19	0.01	CO 13			
Max N	-5.06	0.00	0.72					-0.00		0.26	-0.00	CO 10			
Min N	-16.91	0.01	2.75					0.00		0.89	-0.00	CO 7			
Max V _y	-16.91	0.01	2.75					0.00		0.89	-0.00	CO 6			
Min V _y	-5.06	0.00	0.72					-0.00		0.26	-0.00	CO 13			
Max V _z	-16.91	0.01	2.75					0.00		0.89	-0.00	CO 8			
Min V _z	-5.06	0.00	0.72					-0.00		0.26	-0.00	CO 9			
Max M _T	-16.91	0.01	2.75					0.00		0.89	-0.00	CO 6			
Min M _T	-5.06	0.00	0.72					-0.00		0.26	-0.00	CO 14			
Max M _y	-16.91	0.01	2.75					0.00	▷	0.89	-0.00	CO 8			
Min M _y	-5.06	0.00	0.72					-0.00	▷	0.26	-0.00	CO 9			
Max M _z	-5.06	0.00	0.72					-0.00	▷	0.26	-0.00	CO 13			
Min M _z	-16.91	0.01	2.75					0.00	▷	0.89	-0.00	CO 6			
Max N	-5.06	0.00	0.72					-0.00		0.26	-0.00	CO 10			
Min N	-16.91	0.01	2.75					0.00		0.89	-0.00	CO 7			
Max V _y	-16.91	0.01	2.75					0.00		0.89	-0.00	CO 6			
Min V _y	-5.06	0.00	0.72					-0.00		0.26	-0.00	CO 13			
Max V _z	-16.91	0.01	2.75					0.00		0.89	-0.00	CO 8			
Min V _z	-5.06	0.00	0.72					-0.00		0.26	-0.00	CO 9			
Max M _T	-16.91	0.01	2.75					0.00	▷	0.89	-0.00	CO 6			
Min M _T	-5.06	0.00	0.72					-0.00	▷	0.26	-0.00	CO 14			
Max M _y	-16.91	0.01	2.75					0.00	▷	0.89	-0.00	CO 8			
Min M _y	-5.06	0.00	0.72					-0.00	▷	0.26	-0.00	CO 9			
Max M _z	-5.06	0.00	0.72					-0.00		0.26	-0.00	CO 13			
Min M _z	-16.91	0.01	2.75					0.00		0.89	-0.00	CO 6			
RC2	126	0.000 Left	Max N					-3.89	0.00	-0.44	-0.00		0.13	0.00	CO 24
			Min N					-12.67	0.00	-2.20	-0.00		0.87	0.01	CO 21
			Max V _y					-3.90	0.00	-0.44	-0.00		0.13	0.00	CO 26
			Min V _y					-12.67	0.00	-2.20	-0.00		0.87	0.01	CO 16
			Max V _z	-3.90	0.00	-0.44	-0.00		0.13	0.00	CO 28				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		N	V _y	V _z	M _T	M _y	M _z	Corresponding Load Cases	
187	RC2		0.000 Right	Min V _z	-12.67	0.00	▷	-2.20	-0.00	0.87	CO 17	
				Max M _T	-3.89	0.00	▷	-0.44	-0.00	0.13	CO 23	
				Min M _T	-12.67	0.00	▷	-2.20	-0.00	0.87	CO 22	
				Max M _y	-12.67	0.00	▷	-2.20	-0.00	0.87	CO 18	
				Min M _y	-3.90	0.00	▷	-0.44	-0.00	0.13	CO 27	
				Max M _z	-12.67	0.00	▷	-2.20	-0.00	0.87	CO 20	
				Min M _z	-3.90	0.00	▷	-0.44	-0.00	0.13	CO 27	
				Max N	-3.89	0.00	▷	-0.44	-0.00	0.13	CO 24	
				Min N	-12.67	0.00	▷	-2.20	-0.00	0.87	CO 21	
				Max V _y	-3.90	0.00	▷	-0.44	-0.00	0.13	CO 26	
				Min V _y	-12.67	0.00	▷	-2.20	-0.00	0.87	CO 16	
				Max V _z	-3.90	0.00	▷	-0.44	-0.00	0.13	CO 28	
				Min V _z	-12.67	0.00	▷	-2.20	-0.00	0.87	CO 17	
				Max M _T	-3.89	0.00	▷	-0.44	-0.00	0.13	CO 23	
				Min M _T	-12.67	0.00	▷	-2.20	-0.00	0.87	CO 22	
				Max M _y	-12.67	0.00	▷	-2.20	-0.00	0.87	CO 18	
				Min M _y	-3.90	0.00	▷	-0.44	-0.00	0.13	CO 27	
				Max M _z	-12.67	0.00	▷	-2.20	-0.00	0.87	CO 20	
				Min M _z	-3.90	0.00	▷	-0.44	-0.00	0.13	CO 27	
				Max N	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 24	
				Min N	-12.18	0.01	▷	1.99	0.00	0.64	CO 21	
				Max V _y	-12.18	0.01	▷	1.99	0.00	0.64	CO 20	
				Min V _y	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 27	
				Max V _z	-12.18	0.01	▷	1.99	0.00	0.64	CO 22	
				Min V _z	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 23	
				Max M _T	-12.18	0.01	▷	1.99	0.00	0.64	CO 20	
				Min M _T	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 28	
				Max M _y	-12.18	0.01	▷	1.99	0.00	0.64	CO 22	
				Min M _y	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 23	
				Max M _z	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 27	
				Min M _z	-12.18	0.01	▷	1.99	0.00	0.64	CO 20	
				Max N	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 24	
				Min N	-12.18	0.01	▷	1.99	0.00	0.64	CO 21	
				Max V _y	-12.18	0.01	▷	1.99	0.00	0.64	CO 20	
				Min V _y	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 27	
				Max V _z	-12.18	0.01	▷	1.99	0.00	0.64	CO 22	
				Min V _z	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 23	
				Max M _T	-12.18	0.01	▷	1.99	0.00	0.64	CO 20	
				Min M _T	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 28	
				Max M _y	-12.18	0.01	▷	1.99	0.00	0.64	CO 22	
				Min M _y	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 23	
				Max M _z	-3.41	0.00	▷	-0.49	-0.00	0.18	CO 27	
				Min M _z	-12.18	0.01	▷	1.99	0.00	0.64	CO 20	
	RC6	126	0.000 Left	Max N	-5.97	0.09	▷	-2.50	-0.00	1.53	0.10	LC 1-4
				Min N	-12.30	-0.08	▷	-1.04	-0.00	-0.15	-0.08	LC 1-5
				Max V _y	-8.50	0.76	▷	-1.81	-0.00	0.74	0.82	LC 1-5
				Min V _y	-9.77	-0.76	▷	-1.73	-0.00	0.64	-0.81	LC 1-4
				Max V _z	-12.15	0.01	▷	-1.01	-0.00	-0.18	0.02	LC 1-5
				Min V _z	-6.11	-0.00	▷	-2.52	-0.00	1.56	0.00	LC 1-4
				Max M _T	-9.06	0.07	▷	-1.83	0.00	0.77	0.08	LC 1-5
				Min M _T	-9.21	-0.06	▷	-1.70	-0.00	0.62	-0.06	LC 1-4
				Max M _y	-6.11	-0.00	▷	-2.52	-0.00	1.56	0.00	LC 1-4
				Min M _y	-12.15	0.01	▷	-1.01	-0.00	-0.18	0.02	LC 1-5
				Max M _z	-8.49	0.76	▷	-1.81	-0.00	0.74	0.82	LC 1-5
				Min M _z	-9.77	-0.76	▷	-1.73	-0.00	0.64	-0.81	LC 1-4
				Max N	-5.97	0.09	▷	-2.50	-0.00	1.53	0.10	LC 1-4
				Min N	-12.30	-0.08	▷	-1.04	-0.00	-0.15	-0.08	LC 1-5
				Max V _y	-8.50	0.76	▷	-1.81	-0.00	0.74	0.82	LC 1-5
				Min V _y	-9.77	-0.76	▷	-1.73	-0.00	0.64	-0.81	LC 1-4
				Max V _z	-12.15	0.01	▷	-1.01	-0.00	-0.18	0.02	LC 1-5
				Min V _z	-6.11	-0.00	▷	-2.52	-0.00	1.56	0.00	LC 1-4
				Max M _T	-9.06	0.07	▷	-1.83	0.00	0.77	0.08	LC 1-5
				Min M _T	-9.21	-0.06	▷	-1.70	-0.00	0.62	-0.06	LC 1-4
				Max M _y	-6.11	-0.00	▷	-2.52	-0.00	1.56	0.00	LC 1-4
				Min M _y	-12.15	0.01	▷	-1.01	-0.00	-0.18	0.02	LC 1-5
				Max M _z	-8.49	0.76	▷	-1.81	-0.00	0.74	0.82	LC 1-5
				Min M _z	-9.77	-0.76	▷	-1.73	-0.00	0.64	-0.81	LC 1-4
				Max N	-5.93	0.09	▷	0.83	-0.00	-0.24	-0.09	LC 1-4
				Min N	-12.26	-0.08	▷	2.29	-0.00	1.20	0.09	LC 1-5
				Max V _y	-8.46	0.76	▷	1.52	-0.00	0.44	-0.82	LC 1-5
				Min V _y	-9.73	-0.76	▷	1.61	-0.00	0.52	0.82	LC 1-4
				Max V _z	-12.12	0.01	▷	2.32	-0.00	1.23	-0.01	LC 1-5
				Min V _z	-6.07	-0.00	▷	0.81	-0.00	-0.27	0.01	LC 1-4
				Max M _T	-9.02	0.07	▷	1.50	0.00	0.42	-0.08	LC 1-5
				Min M _T	-9.17	-0.06	▷	1.63	-0.00	0.54	0.08	LC 1-4
				Max M _y	-12.12	0.01	▷	2.32	-0.00	1.23	-0.01	LC 1-5
				Min M _y	-6.07	-0.00	▷	0.81	-0.00	-0.27	0.01	LC 1-4
				Max M _z	-9.73	-0.76	▷	1.61	-0.00	0.52	0.82	LC 1-4
				Min M _z	-8.46	0.76	▷	1.52	-0.00	0.44	-0.82	LC 1-5
188	RC1	125	0.000	Max N	-5.92	-0.00	-0.80	-0.00	0.31	-0.00	CO 9	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
188	RC1		Left	Min N	▷ -17.86	0.00	-3.01	-0.00	1.14	-0.01	CO 8
				Max V _y	▷ -17.86	0.00	-3.01	-0.00	1.14	-0.01	CO 5
				Min V _y	▷ -5.93	▷ -0.00	-0.80	-0.00	0.31	-0.00	CO 11
				Max V _z	▷ -5.93	▷ -0.00	-0.80	-0.00	0.31	-0.00	CO 14
				Min V _z	▷ -17.85	0.00	-3.01	-0.00	1.14	-0.01	CO 3
				Max M _T	▷ -17.86	0.00	-3.01	▷ -0.00	1.14	-0.01	CO 6
				Min M _T	▷ -17.86	0.00	-3.01	▷ -0.00	1.14	-0.01	CO 1
				Max M _y	▷ -17.85	0.00	-3.01	-0.00	1.14	-0.01	CO 3
				Min M _y	▷ -5.93	-0.00	-0.80	-0.00	0.31	-0.00	CO 14
				Max M _z	▷ -5.93	-0.00	-0.80	-0.00	0.31	-0.00	CO 14
				Min M _z	▷ -17.86	0.00	-3.01	-0.00	1.14	-0.01	CO 5
			0.000 Right	Max N	▷ -5.92	-0.00	-0.80	-0.00	0.31	-0.00	CO 9
				Min N	▷ -17.86	0.00	-3.01	-0.00	1.14	-0.01	CO 8
				Max V _y	▷ -17.86	▷ 0.00	-3.01	-0.00	1.14	-0.01	CO 5
				Min V _y	▷ -5.93	▷ -0.00	-0.80	-0.00	0.31	-0.00	CO 11
				Max V _z	▷ -5.93	-0.00	-0.80	-0.00	0.31	-0.00	CO 14
				Min V _z	▷ -17.85	0.00	-3.01	-0.00	1.14	-0.01	CO 3
				Max M _T	▷ -17.86	0.00	-3.01	▷ -0.00	1.14	-0.01	CO 6
				Min M _T	▷ -17.86	0.00	-3.01	▷ -0.00	1.14	-0.01	CO 1
				Max M _y	▷ -17.85	0.00	-3.01	-0.00	1.14	-0.01	CO 3
				Min M _y	▷ -5.93	-0.00	-0.80	-0.00	0.31	-0.00	CO 14
				Max M _z	▷ -5.93	-0.00	-0.80	-0.00	0.31	-0.00	CO 14
			2.107 Left	Min M _z	▷ -17.86	0.00	-3.01	-0.00	1.14	-0.01	CO 5
				Max N	▷ -5.11	-0.00	0.71	-0.00	0.21	0.00	CO 9
				Min N	▷ -17.04	-0.01	2.83	-0.00	0.94	0.00	CO 8
				Max V _y	▷ -5.11	▷ -0.00	0.71	-0.00	0.21	0.00	CO 14
				Min V _y	▷ -17.04	▷ -0.01	2.82	-0.00	0.94	0.00	CO 5
				Max V _z	▷ -17.04	-0.01	2.83	-0.00	0.94	0.00	CO 8
				Min V _z	▷ -5.11	-0.00	0.71	-0.00	0.21	0.00	CO 9
				Max M _T	▷ -5.11	-0.00	0.71	-0.00	0.21	0.00	CO 9
				Min M _T	▷ -17.04	-0.01	2.83	-0.00	0.94	0.00	CO 7
				Max M _y	▷ -17.04	-0.01	2.83	-0.00	0.94	0.00	CO 7
			2.107 Right	Min M _y	▷ -5.11	-0.00	0.71	-0.00	0.21	0.00	CO 10
				Max M _z	▷ -17.04	-0.01	2.83	-0.00	0.94	0.00	CO 6
				Min M _z	▷ -5.11	-0.00	0.71	-0.00	0.21	0.00	CO 13
				Max N	▷ -5.11	-0.00	0.71	-0.00	0.21	0.00	CO 9
				Min N	▷ -17.04	-0.01	2.83	-0.00	0.94	0.00	CO 8
				Max V _y	▷ -5.11	-0.00	0.71	-0.00	0.21	0.00	CO 14
				Min V _y	▷ -17.04	-0.01	2.82	-0.00	0.94	0.00	CO 5
				Max V _z	▷ -17.04	-0.01	2.83	-0.00	0.94	0.00	CO 8
				Min V _z	▷ -5.11	-0.00	0.71	-0.00	0.21	0.00	CO 9
				Max M _T	▷ -5.11	-0.00	0.71	-0.00	0.21	0.00	CO 9
			RC2 125 0.000 Left	Min M _T	▷ -17.04	-0.01	2.83	-0.00	0.94	0.00	CO 7
				Max M _y	▷ -17.04	-0.01	2.83	-0.00	0.94	0.00	CO 7
				Min M _y	▷ -5.11	-0.00	0.71	-0.00	0.21	0.00	CO 10
				Max M _z	▷ -17.04	-0.01	2.83	-0.00	0.94	0.00	CO 6
				Min M _z	▷ -5.11	-0.00	0.71	-0.00	0.94	0.00	CO 13
				Max N	▷ -3.99	-0.00	-0.54	-0.00	0.20	-0.00	CO 23
				Min N	▷ -12.82	-0.00	-2.18	-0.00	0.82	-0.00	CO 22
				Max V _y	▷ -12.82	▷ -0.00	-2.18	-0.00	0.82	-0.00	CO 15
				Min V _y	▷ -3.99	▷ -0.00	-0.54	-0.00	0.20	-0.00	CO 25
				Max V _z	▷ -3.99	-0.00	-0.54	-0.00	0.20	-0.00	CO 28
			0.000 Right	Min V _z	▷ -12.82	-0.00	-2.18	-0.00	0.82	-0.00	CO 17
				Max M _T	▷ -3.99	-0.00	-0.54	-0.00	0.20	-0.00	CO 23
				Min M _T	▷ -12.82	-0.00	-2.18	-0.00	0.82	-0.00	CO 15
				Max M _y	▷ -12.82	-0.00	-2.18	-0.00	0.82	-0.00	CO 17
				Min M _y	▷ -3.99	-0.00	-0.54	-0.00	0.20	-0.00	CO 28
				Max M _z	▷ -3.99	-0.00	-0.54	-0.00	0.20	-0.00	CO 28
				Min M _z	▷ -12.82	-0.00	-2.18	-0.00	0.82	-0.00	CO 19
				Max N	▷ -3.99	-0.00	-0.54	-0.00	0.20	-0.00	CO 23
				Min N	▷ -12.82	-0.00	-2.18	-0.00	0.82	-0.00	CO 22
				Max V _y	▷ -12.82	▷ -0.00	-2.18	-0.00	0.82	-0.00	CO 15
			2.107 Left	Min V _y	▷ -3.99	▷ -0.00	-0.54	-0.00	0.20	-0.00	CO 25
				Max V _z	▷ -3.99	-0.00	-0.54	-0.00	0.20	-0.00	CO 28
				Min V _z	▷ -12.82	-0.00	-2.18	-0.00	0.82	-0.00	CO 17
				Max M _T	▷ -3.99	-0.00	-0.54	-0.00	0.20	-0.00	CO 23
				Min M _T	▷ -12.82	-0.00	-2.18	-0.00	0.82	-0.00	CO 15
				Max M _y	▷ -12.82	-0.00	-2.18	-0.00	0.82	-0.00	CO 17
				Min M _y	▷ -3.99	-0.00	-0.54	-0.00	0.20	-0.00	CO 28
				Max M _z	▷ -3.99	-0.00	-0.54	-0.00	0.20	-0.00	CO 28
				Min M _z	▷ -12.82	-0.00	-2.18	-0.00	0.82	-0.00	CO 19
				Max N	▷ -3.44	-0.00	0.48	-0.00	0.14	0.00	CO 23
			161 2.107 Right	Min N	▷ -12.28	-0.00	2.04	-0.00	0.68	0.00	CO 22
				Max V _y	▷ -3.45	▷ -0.00	0.48	-0.00	0.14	0.00	CO 28
				Min V _y	▷ -12.28	▷ -0.00	2.04	-0.00	0.68	0.00	CO 19
				Max V _z	▷ -12.28	-0.00	2.04	-0.00	0.68	0.00	CO 22
				Min V _z	▷ -3.44	-0.00	0.48	-0.00	0.14	0.00	CO 23
				Max M _T	▷ -3.44	-0.00	0.48	-0.00	0.14	0.00	CO 23
				Min M _T	▷ -12.28	-0.00	2.04	-0.00	0.68	0.00	CO 21
				Max M _y	▷ -12.28	-0.00	2.04	-0.00	0.68	0.00	CO 21
				Min M _y	▷ -3.44	-0.00	0.48	-0.00	0.14	0.00	CO 24
				Max M _z	▷ -12.28	-0.00	2.04	-0.00	0.68	0.00	CO 20
			2.107 Right	Min M _z	▷ -3.44	-0.00	0.48	-0.00	0.14	0.00	CO 27
				Max N	▷ -3.44	-0.00	0.48	-0.00	0.14	0.00	CO 23
				Min N	▷ -12.28	-0.00	2.04	-0.00	0.68	0.00	CO 22
				Max V _y	▷ -3.45	▷ -0.00	0.48	-0.00	0.14	0.00	CO 28
				Min V _y	▷ -12.28	▷ -0.00	2.04	-0.00	0.68	0.00	CO 19
				Max V _z	▷ -12.28	-0.00	2.04	-0.00	0.68	0.00	CO 22
				Min V _z	▷ -3.44	-0.00	0.48	-0.00	0.14	0.00	CO 23
				Max M _T	▷ -3.44	-0.00	0.48	-0.00	0.14	0.00	CO 23
				Min M _T	▷ -12.28	-0.00	2.04	-0.00	0.68	0.00	CO 21
				Max M _y	▷ -12.28	-0.00	2.04	-0.00	0.68	0.00	CO 21

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
188	RC2	125	0.000 Left	Min M _y	-3.44	-0.00	0.48	-0.00	0.14	0.00	CO 24	
				Max M _z	-12.28	-0.00	2.04	-0.00	0.68	0.00	CO 20	
				Min M _z	-3.44	-0.00	0.48	-0.00	0.14	0.00	CO 27	
				Max N	-6.14	-0.06	-2.39	-0.00	1.40	-0.06	LC 1-4	
				Min N	-12.29	0.05	-0.91	-0.00	-0.26	0.05	LC 1-5	
				Max V _y	-9.54	0.75	-1.67	-0.00	0.59	0.79	LC 1-4	
				Min V _y	-8.89	-0.76	-1.62	-0.00	0.55	-0.80	LC 1-5	
				Max V _z	-12.17	0.01	-0.88	-0.00	-0.29	0.00	LC 1-5	
				Min V _z	-6.26	-0.01	-2.41	-0.00	1.43	-0.01	LC 1-4	
				Max M _T	-9.71	-0.05	-1.47	0.00	0.37	-0.06	LC 1-5	
				Min M _T	-8.72	0.05	-1.82	-0.00	0.77	0.05	LC 1-4	
				Max M _y	-6.26	-0.01	-2.41	-0.00	1.43	-0.01	LC 1-4	
				Min M _y	-12.16	0.01	-0.88	-0.00	-0.29	0.00	LC 1-5	
				Max M _z	-9.54	0.75	-1.67	-0.00	0.59	0.79	LC 1-4	
				Min M _z	-8.89	-0.76	-1.62	-0.00	0.54	-0.80	LC 1-5	
				Max N	-6.14	-0.06	-2.39	-0.00	1.40	-0.06	LC 1-4	
				Min N	-12.29	0.05	-0.91	-0.00	-0.26	0.05	LC 1-5	
				Max V _y	-9.54	0.75	-1.67	-0.00	0.59	0.79	LC 1-4	
				Min V _y	-8.89	-0.76	-1.62	-0.00	0.55	-0.80	LC 1-5	
				Max V _z	-12.17	0.01	-0.88	-0.00	-0.29	0.00	LC 1-5	
				Min V _z	-6.26	-0.01	-2.41	-0.00	1.43	-0.01	LC 1-4	
				Max M _T	-9.71	-0.05	-1.47	0.00	0.37	-0.06	LC 1-5	
				Min M _T	-8.72	0.05	-1.82	-0.00	0.77	0.05	LC 1-4	
				Max M _y	-6.26	-0.01	-2.41	-0.00	1.43	-0.01	LC 1-4	
				Min M _y	-12.16	0.01	-0.88	-0.00	-0.29	0.00	LC 1-5	
				Max M _z	-9.54	0.75	-1.67	-0.00	0.59	0.79	LC 1-4	
				Min M _z	-8.89	-0.76	-1.62	-0.00	0.54	-0.80	LC 1-5	
	Max N	-6.10	-0.06	0.88	-0.00	-0.18	0.06	LC 1-4				
	Min N	-12.26	0.05	2.36	-0.00	1.28	-0.06	LC 1-5				
	Max V _y	-9.51	0.75	1.60	-0.00	0.53	-0.79	LC 1-4				
	Min V _y	-8.85	-0.76	1.65	-0.00	0.58	0.79	LC 1-5				
	Max V _z	-12.13	0.01	2.39	-0.00	1.31	-0.01	LC 1-5				
	Min V _z	-6.22	-0.01	0.86	-0.00	-0.20	0.01	LC 1-4				
	Max M _T	-9.68	-0.05	1.80	0.00	0.73	0.05	LC 1-5				
	Min M _T	-8.68	0.05	1.45	-0.00	0.38	-0.05	LC 1-4				
	Max M _y	-12.14	0.00	2.39	-0.00	1.31	-0.01	LC 1-5				
	Min M _y	-6.22	-0.01	0.86	-0.00	-0.20	0.01	LC 1-4				
	Max M _z	-8.85	-0.76	1.65	-0.00	0.57	0.79	LC 1-5				
	Min M _z	-9.51	0.75	1.60	-0.00	0.53	-0.79	LC 1-4				
	190	RC1	129	0.000 Left	Max N	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 9
					Min N	-17.29	-0.01	-3.06	-0.00	1.25	0.01	CO 8
					Max V _y	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 11
					Min V _y	-17.29	-0.01	-3.06	-0.00	1.25	0.01	CO 6
					Max V _z	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 14
					Min V _z	-17.28	-0.01	-3.06	-0.00	1.25	0.01	CO 3
					Max M _T	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 10
					Min M _T	-17.29	-0.01	-3.06	-0.00	1.25	0.01	CO 7
					Max M _y	-17.29	-0.01	-3.06	-0.00	1.25	0.01	CO 4
					Min M _y	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 13
					Max M _z	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 11
					Min M _z	-17.29	-0.01	-3.06	-0.00	1.25	0.01	CO 2
				0.000 Right	Max N	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 9
					Min N	-17.29	-0.01	-3.06	-0.00	1.25	0.01	CO 8
					Max V _y	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 11
					Min V _y	-17.29	-0.01	-3.06	-0.00	1.25	0.01	CO 6
					Max V _z	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 14
					Min V _z	-17.28	-0.01	-3.06	-0.00	1.25	0.01	CO 3
					Max M _T	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 10
					Min M _T	-17.29	-0.01	-3.06	-0.00	1.25	0.01	CO 7
					Max M _y	-17.29	-0.01	-3.06	-0.00	1.25	0.01	CO 4
					Min M _y	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 13
					Max M _z	-5.56	0.00	-0.66	-0.00	0.21	0.01	CO 11
					Min M _z	-17.29	-0.01	-3.06	-0.00	1.25	0.01	CO 2
RC1		162	2.147 Left	Max N	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 9	
				Min N	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 8	
				Max V _y	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 5	
				Min V _y	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 14	
				Max V _z	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 7	
				Min V _z	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 10	
				Max M _T	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 4	
				Min M _T	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 11	
				Max M _y	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 8	
				Min M _y	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 9	
				Max M _z	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 2	
				Min M _z	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 11	
			2.147 Right	Max N	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 9	
Min N	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 8					
Max V _y	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 5					
Min V _y	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 14					
Max V _z	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 7					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
190	RC1			Min V _z	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 10
				Max M _T	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 4
				Min M _T	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 11
				Max M _y	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 8
				Min M _y	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 9
				Max M _z	-16.56	0.01	2.72	-0.00	0.87	0.00	CO 2
				Min M _z	-4.83	0.01	0.72	-0.00	0.28	-0.00	CO 11
	RC2	129	0.000 Left	Max N	-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 23
				Min N	-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 22
				Max V _y	-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 25
				Min V _y	-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 16
				Max V _z	-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 28
				Min V _z	-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 17
				Max M _T	-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 24
			Min M _T	-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 21	
			Max M _y	-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 18	
			Min M _y	-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 27	
			Max M _z	-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 19	
			Min M _z	-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 28	
			0.000 Right	Max N	-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 23
				Min N	-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 22
		Max V _y		-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 25	
		Min V _y		-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 16	
		Max V _z		-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 28	
		Min V _z		-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 17	
		Max M _T		-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 24	
		162	2.147 Right	Min M _T	-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 21
				Max M _y	-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 18
				Min M _y	-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 27
				Max M _z	-12.44	-0.00	-2.22	-0.00	0.90	0.01	CO 19
				Min M _z	-3.76	0.00	-0.44	-0.00	0.14	0.01	CO 28
				Max N	-3.27	0.00	0.49	-0.00	0.19	-0.00	CO 23
				Min N	-11.95	0.01	1.97	-0.00	0.63	-0.00	CO 22
				Max V _y	-11.95	0.01	1.97	-0.00	0.63	-0.00	CO 19
				Min V _y	-3.27	0.00	0.49	-0.00	0.19	-0.00	CO 28
				Max V _z	-11.95	0.01	1.97	-0.00	0.63	-0.00	CO 21
				Min V _z	-3.27	0.00	0.49	-0.00	0.19	-0.00	CO 24
				Max M _T	-11.95	0.01	1.97	-0.00	0.63	-0.00	CO 18
				Min M _T	-3.27	0.00	0.49	-0.00	0.19	-0.00	CO 25
				Max M _y	-11.95	0.01	1.97	-0.00	0.63	-0.00	CO 22
			Min M _y	-3.27	0.00	0.49	-0.00	0.19	-0.00	CO 23	
			0.000 Left	Max M _z	-11.95	0.01	1.97	-0.00	0.63	-0.00	CO 16
				Min M _z	-3.27	0.00	0.49	-0.00	0.19	-0.00	CO 25
				Max N	-6.23	0.06	-2.42	-0.00	1.37	0.07	LC 1-5
				Min N	-12.22	-0.05	-1.15	-0.00	0.06	-0.05	LC 1-4
				Max V _y	-8.76	1.27	-1.84	-0.02	0.78	1.36	LC 1-5
				Min V _y	-9.70	-1.26	-1.72	0.02	0.65	-1.33	LC 1-4
				Max V _z	-12.14	0.01	-1.13	-0.00	0.04	0.02	LC 1-5
				Min V _z	-6.31	0.00	-2.43	-0.00	1.39	0.01	LC 1-4
	Max M _T			-8.79	-0.97	-1.87	0.02	0.81	-1.02	LC 1-4	
	Min M _T			-9.66	0.98	-1.69	-0.03	0.62	1.04	LC 1-5	
	Max M _y			-6.32	0.00	-2.43	-0.00	1.39	0.01	LC 1-4	
	Min M _y			-12.14	0.01	-1.13	-0.00	0.04	0.02	LC 1-5	
	Max M _z			-8.76	1.27	-1.84	-0.02	0.78	1.36	LC 1-5	
	RC6	129		0.000 Right	Min M _z	-9.70	-1.26	-1.72	0.02	0.65	-1.33
			Max N		-6.23	0.06	-2.42	-0.00	1.37	0.07	LC 1-5
			Min N		-12.22	-0.05	-1.15	-0.00	0.06	-0.05	LC 1-4
			Max V _y		-8.76	1.27	-1.84	-0.02	0.78	1.36	LC 1-5
			Min V _y		-9.70	-1.26	-1.72	0.02	0.65	-1.33	LC 1-4
			Max V _z		-12.14	0.01	-1.13	-0.00	0.04	0.02	LC 1-5
			Min V _z		-6.31	0.00	-2.43	-0.00	1.39	0.01	LC 1-4
			2.147 Left	Max M _T	-8.79	-0.97	-1.87	0.02	0.81	-1.02	LC 1-4
				Min M _T	-9.66	0.98	-1.69	-0.03	0.62	1.04	LC 1-5
				Max M _y	-6.32	0.00	-2.43	-0.00	1.39	0.01	LC 1-4
				Min M _y	-12.14	0.01	-1.13	-0.00	0.04	0.02	LC 1-5
				Max M _z	-8.76	1.27	-1.84	-0.02	0.78	1.36	LC 1-5
				Min M _z	-9.70	-1.26	-1.72	0.02	0.65	-1.33	LC 1-4
				Max N	-6.20	0.06	0.92	-0.00	-0.23	-0.06	LC 1-5
		162	2.147 Right	Min N	-12.18	-0.05	2.19	-0.00	1.18	0.06	LC 1-4
				Max V _y	-8.72	1.27	1.49	-0.02	0.40	-1.37	LC 1-5
				Min V _y	-9.66	-1.26	1.61	0.02	0.54	1.37	LC 1-4
				Max V _z	-12.10	0.01	2.20	-0.00	1.20	-0.01	LC 1-5
				Min V _z	-6.28	0.00	0.90	-0.00	-0.25	0.01	LC 1-4
				Max M _T	-8.76	-0.97	1.46	0.02	0.37	1.06	LC 1-4
				Min M _T	-9.62	0.98	1.64	-0.03	0.58	-1.06	LC 1-5
				Max M _y	-12.11	0.01	2.20	-0.00	1.20	-0.01	LC 1-5
				Min M _y	-6.27	0.00	0.90	-0.00	-0.25	0.01	LC 1-4
				Max M _z	-9.66	-1.26	1.61	0.02	0.54	1.37	LC 1-4
				Min M _z	-8.72	1.27	1.49	-0.02	0.40	-1.37	LC 1-5
				Max N	-6.20	0.06	0.92	-0.00	-0.23	-0.06	LC 1-5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
190	RC6		Right	Min N	-12.18	-0.05	2.19	-0.00	1.18	0.06	LC 1-4
				Max V _y	-8.72	1.27	1.49	-0.02	0.40	-1.37	LC 1-5
				Min V _y	-9.66	-1.26	1.61	0.02	0.54	1.37	LC 1-4
				Max V _z	-12.10	0.01	2.20	-0.00	1.20	-0.01	LC 1-5
				Min V _z	-6.28	0.00	0.90	-0.00	-0.25	0.01	LC 1-4
				Max M _T	-8.76	-0.97	1.46	0.02	0.37	1.06	LC 1-4
				Min M _T	-9.62	0.98	1.64	-0.03	0.58	-1.06	LC 1-5
				Max M _y	-12.11	0.01	2.20	-0.00	1.20	-0.01	LC 1-5
				Min M _y	-6.27	0.00	0.90	-0.00	-0.25	0.01	LC 1-4
				Max M _z	-9.66	-1.26	1.61	0.02	0.54	1.37	LC 1-4
				Min M _z	-8.72	1.27	1.49	-0.02	0.40	-1.37	LC 1-5
191	RC1	128	0.000 Left	Max N	-5.63	-0.00	-0.79	-0.00	0.29	-0.00	CO 10
				Min N	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 7
				Max V _y	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 5
				Min V _y	-5.63	-0.00	-0.78	-0.00	0.29	-0.00	CO 12
				Max V _z	-5.63	-0.00	-0.78	-0.00	0.29	-0.00	CO 14
				Min V _z	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 3
				Max M _T	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 6
				Min M _T	-5.63	-0.00	-0.79	-0.00	0.29	-0.00	CO 13
				Max M _y	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 3
				Min M _y	-5.63	-0.00	-0.78	-0.00	0.29	-0.00	CO 14
				Max M _z	-5.63	-0.00	-0.79	-0.00	0.29	-0.00	CO 13
				Min M _z	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 6
			0.000 Right	Max N	-5.63	-0.00	-0.79	-0.00	0.29	-0.00	CO 10
				Min N	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 7
				Max V _y	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 5
				Min V _y	-5.63	-0.00	-0.78	-0.00	0.29	-0.00	CO 12
				Max V _z	-5.63	-0.00	-0.78	-0.00	0.29	-0.00	CO 14
				Min V _z	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 3
				Max M _T	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 6
				Min M _T	-5.63	-0.00	-0.79	-0.00	0.29	-0.00	CO 13
				Max M _y	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 3
				Min M _y	-5.63	-0.00	-0.78	-0.00	0.29	-0.00	CO 14
				Max M _z	-5.63	-0.00	-0.79	-0.00	0.29	-0.00	CO 13
				Min M _z	-16.83	-0.00	-2.97	0.00	1.10	-0.01	CO 6
			2.107 Left	Max N	-4.81	-0.00	0.73	-0.00	0.23	0.00	CO 10
				Min N	-16.02	-0.01	2.86	-0.00	0.99	0.00	CO 7
				Max V _y	-4.82	-0.00	0.73	-0.00	0.23	0.00	CO 13
				Min V _y	-16.01	-0.01	2.86	-0.00	0.99	0.00	CO 6
				Max V _z	-16.01	-0.01	2.87	-0.00	0.99	0.00	CO 8
				Min V _z	-4.82	-0.00	0.73	-0.00	0.23	0.00	CO 9
				Max M _T	-4.82	-0.00	0.73	-0.00	0.23	0.00	CO 12
				Min M _T	-16.02	-0.01	2.86	-0.00	0.99	0.00	CO 7
				Max M _y	-16.01	-0.01	2.86	-0.00	0.99	0.00	CO 5
				Min M _y	-4.81	-0.00	0.73	-0.00	0.23	0.00	CO 10
				Max M _z	-16.01	-0.01	2.86	-0.00	0.99	0.00	CO 6
				Min M _z	-4.82	-0.00	0.73	-0.00	0.23	0.00	CO 13
		163	2.107 Right	Max N	-4.81	-0.00	0.73	-0.00	0.23	0.00	CO 10
				Min N	-16.02	-0.01	2.86	-0.00	0.99	0.00	CO 7
				Max V _y	-4.82	-0.00	0.73	-0.00	0.23	0.00	CO 13
				Min V _y	-16.01	-0.01	2.86	-0.00	0.99	0.00	CO 6
				Max V _z	-16.01	-0.01	2.87	-0.00	0.99	0.00	CO 8
				Min V _z	-4.82	-0.00	0.73	-0.00	0.23	0.00	CO 9
				Max M _T	-4.82	-0.00	0.73	-0.00	0.23	0.00	CO 12
				Min M _T	-16.02	-0.01	2.86	-0.00	0.99	0.00	CO 7
				Max M _y	-16.01	-0.01	2.86	-0.00	0.99	0.00	CO 5
				Min M _y	-4.81	-0.00	0.73	-0.00	0.23	0.00	CO 10
				Max M _z	-16.01	-0.01	2.86	-0.00	0.99	0.00	CO 6
				Min M _z	-4.82	-0.00	0.73	-0.00	0.23	0.00	CO 13
	RC2	128	0.000 Left	Max N	-3.80	-0.00	-0.52	-0.00	0.19	-0.00	CO 24
				Min N	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 21
				Max V _y	-3.81	-0.00	-0.52	-0.00	0.19	-0.00	CO 27
				Min V _y	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 20
				Max V _z	-3.81	-0.00	-0.52	-0.00	0.19	-0.00	CO 28
				Min V _z	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 17
				Max M _T	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 20
				Min M _T	-3.81	-0.00	-0.52	-0.00	0.19	-0.00	CO 27
				Max M _y	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 17
				Min M _y	-3.81	-0.00	-0.52	-0.00	0.19	-0.00	CO 28
				Max M _z	-3.81	-0.00	-0.52	-0.00	0.19	-0.00	CO 27
				Min M _z	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 20
			0.000 Right	Max N	-3.80	-0.00	-0.52	-0.00	0.19	-0.00	CO 24
				Min N	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 21
				Max V _y	-3.81	-0.00	-0.52	-0.00	0.19	-0.00	CO 27
				Min V _y	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 20
				Max V _z	-3.81	-0.00	-0.52	-0.00	0.19	-0.00	CO 28
				Min V _z	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 17
				Max M _T	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 20
				Min M _T	-3.81	-0.00	-0.52	-0.00	0.19	-0.00	CO 27
				Max M _y	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 17
				Min M _y	-3.81	-0.00	-0.52	-0.00	0.19	-0.00	CO 28
				Max M _z	-3.81	-0.00	-0.52	-0.00	0.19	-0.00	CO 27
				Min M _z	-12.10	-0.00	-2.15	0.00	0.79	-0.01	CO 20
		2.107 Left		Max N	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 24
				Min N	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 21
				Max V _y	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 27
				Min V _y	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 20
				Max V _z	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 22
				Min V _z	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 23
				Max M _T	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 20
				Min M _T	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 27
				Max M _y	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 21

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
191	RC2	163	2.107 Right	Min M _y	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 24
				Max M _z	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 20
				Min M _z	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 27
				Max N	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 24
				Min N	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 21
				Max V _y	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 27
				Min V _y	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 20
				Max V _z	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 22
				Min V _z	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 23
				Max M _T	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 20
				Min M _T	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 27
				Max M _y	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 21
				Min M _y	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 24
				Max M _z	-11.56	-0.01	2.07	-0.00	0.71	0.00	CO 20
				Min M _z	-3.26	-0.00	0.49	-0.00	0.16	0.00	CO 27
		128	0.000 Left	Max N	-6.06	-0.02	-2.27	0.00	1.20	-0.02	LC 1-5
				Min N	-11.63	0.01	-0.98	-0.00	-0.09	0.01	LC 1-4
				Max V _y	-8.86	0.85	-1.67	-0.01	0.59	0.89	LC 1-4
				Min V _y	-8.83	-0.86	-1.58	0.01	0.51	-0.91	LC 1-5
				Max V _z	-11.57	-0.01	-0.97	0.00	-0.10	-0.01	LC 1-5
				Min V _z	-6.12	-0.00	-2.28	-0.00	1.21	-0.00	LC 1-4
				Max M _T	-9.23	-0.33	-1.52	0.03	0.45	-0.34	LC 1-5
				Min M _T	-8.47	0.32	-1.73	-0.03	0.66	0.32	LC 1-4
				Max M _y	-6.13	-0.00	-2.28	-0.00	1.21	-0.00	LC 1-4
				Min M _y	-11.56	-0.00	-0.97	0.00	-0.10	-0.01	LC 1-5
				Max M _z	-8.86	0.85	-1.67	-0.01	0.59	0.89	LC 1-4
				Min M _z	-8.83	-0.86	-1.58	0.01	0.51	-0.91	LC 1-5
			0.000 Right	Max N	-6.06	-0.02	-2.27	0.00	1.20	-0.02	LC 1-5
				Min N	-11.63	0.01	-0.98	-0.00	-0.09	0.01	LC 1-4
				Max V _y	-8.86	0.85	-1.67	-0.01	0.59	0.89	LC 1-4
				Min V _y	-8.83	-0.86	-1.58	0.01	0.51	-0.91	LC 1-5
				Max V _z	-11.57	-0.01	-0.97	0.00	-0.10	-0.01	LC 1-5
				Min V _z	-6.12	-0.00	-2.28	-0.00	1.21	-0.00	LC 1-4
				Max M _T	-9.23	-0.33	-1.52	0.03	0.45	-0.34	LC 1-5
				Min M _T	-8.47	0.32	-1.73	-0.03	0.66	0.32	LC 1-4
				Max M _y	-6.13	-0.00	-2.28	-0.00	1.21	-0.00	LC 1-4
				Min M _y	-11.56	-0.00	-0.97	0.00	-0.10	-0.01	LC 1-5
				Max M _z	-8.86	0.85	-1.67	-0.01	0.59	0.89	LC 1-4
				Min M _z	-8.83	-0.86	-1.58	0.01	0.51	-0.91	LC 1-5
			2.107 Left	Max N	-6.03	-0.02	1.00	0.00	-0.13	0.02	LC 1-5
				Min N	-11.59	0.01	2.29	-0.00	1.30	-0.02	LC 1-4
				Max V _y	-8.83	0.85	1.60	-0.01	0.53	-0.91	LC 1-4
				Min V _y	-8.79	-0.86	1.69	0.01	0.63	0.91	LC 1-5
				Max V _z	-11.54	-0.01	2.30	0.00	1.31	0.00	LC 1-5
				Min V _z	-6.08	-0.00	0.99	-0.00	-0.14	-0.00	LC 1-4
				Max M _T	-9.19	-0.33	1.75	0.03	0.70	0.36	LC 1-5
				Min M _T	-8.43	0.32	1.54	-0.03	0.46	-0.36	LC 1-4
				Max M _y	-11.54	-0.01	2.30	0.00	1.31	0.00	LC 1-5
				Min M _y	-6.08	0.00	0.99	-0.00	-0.14	-0.00	LC 1-4
				Max M _z	-8.79	-0.86	1.69	0.01	0.63	0.91	LC 1-5
				Min M _z	-8.83	0.85	1.60	-0.01	0.54	-0.91	LC 1-4
		163	2.107 Right	Max N	-6.03	-0.02	1.00	0.00	-0.13	0.02	LC 1-5
				Min N	-11.59	0.01	2.29	-0.00	1.30	-0.02	LC 1-4
				Max V _y	-8.83	0.85	1.60	-0.01	0.53	-0.91	LC 1-4
				Min V _y	-8.79	-0.86	1.69	0.01	0.63	0.91	LC 1-5
				Max V _z	-11.54	-0.01	2.30	0.00	1.31	0.00	LC 1-5
				Min V _z	-6.08	-0.00	0.99	-0.00	-0.14	-0.00	LC 1-4
				Max M _T	-9.19	-0.33	1.75	0.03	0.70	0.36	LC 1-5
				Min M _T	-8.43	0.32	1.54	-0.03	0.46	-0.36	LC 1-4
				Max M _y	-11.54	-0.01	2.30	0.00	1.31	0.00	LC 1-5
				Min M _y	-6.08	0.00	0.99	-0.00	-0.14	-0.00	LC 1-4
				Max M _z	-8.79	-0.86	1.69	0.01	0.63	0.91	LC 1-5
				Min M _z	-8.83	0.85	1.60	-0.01	0.54	-0.91	LC 1-4
195	RC1	69	0.000 Left	Max N	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 11
				Min N	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 2
				Max V _y	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 13
				Min V _y	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 4
				Max V _z	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 14
				Min V _z	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 5
				Max M _T	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 9
				Min M _T	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 8
				Max M _y	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 9
				Min M _y	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 8
				Max M _z	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 13
				Min M _z	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 4
			0.000 Right	Max N	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 11
				Min N	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 2
				Max V _y	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 13
				Min V _y	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 4
				Max V _z	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 14
				Min V _z	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 5
				Max M _T	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 9
				Min M _T	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 8
				Max M _y	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 9
				Min M _y	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 8
				Max M _z	0.26	0.01	-0.37	0.00	-0.03	0.01	CO 13
				Min M _z	-0.64	0.00	-0.57	-0.01	-0.13	-0.00	CO 4
			0.128 Left	Max N	0.20	0.01	-0.29	0.00	-0.07	0.01	CO 11
				Min N	-0.71	0.00	-0.43	-0.01	-0.20	-0.00	CO 2
				Max V _y	0.19	0.01	-0.29	0.00	-0.07	0.01	CO 13
				Min V _y	-0.70	0.00	-0.43	-0.01	-0.20	-0.00	CO 4
				Max V _z	0.19	0.01	-0.29	0.00	-0.07	0.01	CO 14



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
195	RC1		0.128 Right	Min V _z	-0.70	0.00	▷	-0.43	-0.01	-0.20	-0.00	CO 5
				Max M _T	0.20	0.01	▷	-0.29	0.00	-0.07	0.01	CO 9
				Min M _T	-0.71	0.00	▷	-0.43	-0.01	-0.20	-0.00	CO 8
				Max M _y	0.20	0.01	▷	-0.29	0.00	-0.07	0.01	CO 9
				Min M _y	-0.71	0.00	▷	-0.43	-0.01	-0.20	-0.00	CO 8
				Max M _z	0.19	0.01	▷	-0.29	0.00	-0.07	0.01	CO 13
				Min M _z	-0.70	0.00	▷	-0.43	-0.01	-0.20	-0.00	CO 4
				Max N	0.20	0.01	▷	-0.29	0.00	-0.07	0.01	CO 11
				Min N	-0.71	0.00	▷	-0.43	-0.01	-0.20	-0.00	CO 2
				Max V _y	0.19	0.01	▷	-0.29	0.00	-0.07	0.01	CO 13
				Min V _y	-0.70	0.00	▷	-0.43	-0.01	-0.20	-0.00	CO 4
				Max V _z	0.19	0.01	▷	-0.29	0.00	-0.07	0.01	CO 14
				Min V _z	-0.70	0.00	▷	-0.43	-0.01	-0.20	-0.00	CO 5
				Max M _T	0.20	0.01	▷	-0.29	0.00	-0.07	0.01	CO 9
				Min M _T	-0.71	0.00	▷	-0.43	-0.01	-0.20	-0.00	CO 8
				Max M _y	0.20	0.01	▷	-0.29	0.00	-0.07	0.01	CO 9
				Min M _y	-0.71	0.00	▷	-0.43	-0.01	-0.20	-0.00	CO 8
				Max M _z	0.19	0.01	▷	-0.29	0.00	-0.07	0.01	CO 13
				Min M _z	-0.70	0.00	▷	-0.43	-0.01	-0.20	-0.00	CO 4
				Max N	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 11
				Min N	-1.11	0.00	▷	1.05	-0.01	0.03	-0.01	CO 2
				Max V _y	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 13
				Min V _y	-1.11	0.00	▷	1.05	-0.01	0.03	-0.01	CO 4
				Max V _z	-1.11	0.00	▷	1.05	-0.01	0.03	-0.01	CO 2
				Min V _z	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 11
				Max M _T	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 9
				Min M _T	-1.11	0.00	▷	1.05	-0.01	0.03	-0.01	CO 8
				Max M _y	-1.11	0.00	▷	1.05	-0.01	0.03	-0.01	CO 2
				Min M _y	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 11
				Max M _z	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 10
				Min M _z	-1.10	0.00	▷	1.05	-0.01	0.03	-0.01	CO 5
				Max N	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 11
				Min N	-1.11	0.00	▷	1.05	-0.01	0.03	-0.01	CO 2
				Max V _y	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 13
				Min V _y	-1.11	0.00	▷	1.05	-0.01	0.03	-0.01	CO 4
				Max V _z	-1.11	0.00	▷	1.05	-0.01	0.03	-0.01	CO 2
				Min V _z	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 11
				Max M _T	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 9
				Min M _T	-1.11	0.00	▷	1.05	-0.01	0.03	-0.01	CO 8
				Max M _y	-1.11	0.00	▷	1.05	-0.01	0.03	-0.01	CO 2
				Min M _y	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 11
				Max M _z	-0.21	0.01	▷	0.26	0.00	-0.08	-0.00	CO 10
				Min M _z	-1.10	0.00	▷	1.05	-0.01	0.03	-0.01	CO 5
				Max N	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 11
				Min N	-1.46	0.00	▷	2.56	-0.01	1.31	-0.01	CO 2
				Max V _y	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 13
				Min V _y	-1.45	0.00	▷	2.56	-0.01	1.31	-0.01	CO 4
				Max V _z	-1.46	0.00	▷	2.56	-0.01	1.31	-0.01	CO 2
				Min V _z	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 11
				Max M _T	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 9
				Min M _T	-1.46	0.00	▷	2.56	-0.01	1.31	-0.01	CO 8
				Max M _y	-1.46	0.00	▷	2.56	-0.01	1.31	-0.01	CO 2
				Min M _y	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 11
				Max M _z	-1.45	0.00	▷	2.56	-0.01	1.31	-0.01	CO 4
				Min M _z	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 13
				Max N	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 11
				Min N	-1.46	0.00	▷	2.56	-0.01	1.31	-0.01	CO 2
				Max V _y	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 13
				Min V _y	-1.45	0.00	▷	2.56	-0.01	1.31	-0.01	CO 4
				Max V _z	-1.46	0.00	▷	2.56	-0.01	1.31	-0.01	CO 2
				Min V _z	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 11
				Max M _T	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 9
				Min M _T	-1.46	0.00	▷	2.56	-0.01	1.31	-0.01	CO 8
				Max M _y	-1.46	0.00	▷	2.56	-0.01	1.31	-0.01	CO 2
				Min M _y	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 11
				Max M _z	-1.45	0.00	▷	2.56	-0.01	1.31	-0.01	CO 4
				Min M _z	-0.56	0.01	▷	0.73	0.00	0.27	-0.01	CO 13
Max N	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 25				
Min N	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 16				
Max V _y	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 27				
Min V _y	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 18				
Max V _z	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 28				
Min V _z	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 19				
Max M _T	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 23				
Min M _T	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 22				
Max M _y	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 23				
Min M _y	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 22				
Max M _z	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 27				
Min M _z	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 18				
Max N	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 25				
Min N	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 16				
Max V _y	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 27				
Min V _y	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 18				
Max V _z	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 28				
Min V _z	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 19				
Max M _T	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 23				
Min M _T	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 22				
Max M _y	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 23				
Min M _y	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 22				
Max M _z	0.17	0.01	▷	-0.25	0.00	-0.02	0.01	CO 27				
Min M _z	-0.50	0.00	▷	-0.40	-0.00	-0.10	-0.00	CO 18				
Max N	0.13	0.01	▷	-0.20	0.00	-0.05	0.00	CO 25				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
195	RC2		Left	Min N	▷ -0.54	0.00	-0.31	-0.00	-0.14	-0.00	CO 16
				Max V _y	▷ 0.13	0.01	-0.20	0.00	-0.05	0.00	CO 27
				Min V _y	▷ -0.54	0.00	-0.31	-0.00	-0.14	-0.00	CO 18
				Max V _z	▷ 0.13	0.01	-0.20	0.00	-0.05	0.00	CO 28
				Min V _z	▷ -0.54	0.00	-0.31	-0.00	-0.14	-0.00	CO 19
				Max M _T	▷ 0.13	0.01	-0.20	▷ 0.00	-0.05	0.00	CO 23
				Min M _T	▷ -0.54	0.00	-0.31	▷ -0.00	-0.14	-0.00	CO 22
				Max M _y	▷ 0.13	0.01	-0.20	▷ 0.00	-0.05	0.00	CO 23
				Min M _y	▷ -0.54	0.00	-0.31	▷ -0.00	-0.14	-0.00	CO 22
				Max M _z	▷ 0.13	0.01	-0.20	▷ 0.00	-0.05	0.00	CO 27
				Min M _z	▷ -0.54	0.00	-0.31	▷ -0.00	-0.14	-0.00	CO 18
			0.128 Right	Max N	▷ 0.13	0.01	-0.20	0.00	-0.05	0.00	CO 25
				Min N	▷ -0.54	0.00	-0.31	-0.00	-0.14	-0.00	CO 16
				Max V _y	▷ 0.13	0.01	-0.20	0.00	-0.05	0.00	CO 27
				Min V _y	▷ -0.54	0.00	-0.31	-0.00	-0.14	-0.00	CO 18
				Max V _z	▷ 0.13	0.01	-0.20	0.00	-0.05	0.00	CO 28
				Min V _z	▷ -0.54	0.00	-0.31	-0.00	-0.14	-0.00	CO 19
				Max M _T	▷ 0.13	0.01	-0.20	▷ 0.00	-0.05	0.00	CO 23
				Min M _T	▷ -0.54	0.00	-0.31	▷ -0.00	-0.14	-0.00	CO 22
				Max M _y	▷ 0.13	0.01	-0.20	▷ 0.00	-0.05	0.00	CO 23
				Min M _y	▷ -0.54	0.00	-0.31	▷ -0.00	-0.14	-0.00	CO 22
			0.968 Left	Max M _z	▷ 0.13	0.01	-0.20	▷ 0.00	-0.05	0.00	CO 27
				Min M _z	▷ -0.54	0.00	-0.31	▷ -0.00	-0.14	-0.00	CO 18
				Max N	▷ -0.14	0.01	0.17	0.00	-0.06	-0.00	CO 25
				Min N	▷ -0.81	0.00	0.76	-0.00	0.02	-0.00	CO 16
				Max V _y	▷ -0.14	0.01	0.17	0.00	-0.06	-0.00	CO 27
				Min V _y	▷ -0.81	0.00	0.76	-0.00	0.02	-0.00	CO 18
				Max V _z	▷ -0.81	0.00	0.76	-0.00	0.02	-0.00	CO 16
				Min V _z	▷ -0.14	0.01	0.17	0.00	-0.06	-0.00	CO 25
				Max M _T	▷ -0.14	0.01	0.17	▷ 0.00	-0.06	-0.00	CO 23
				Min M _T	▷ -0.81	0.00	0.76	▷ -0.00	0.02	-0.00	CO 22
			0.968 Right	Max M _y	▷ -0.81	0.00	0.76	-0.00	0.02	-0.00	CO 16
				Min M _y	▷ -0.14	0.01	0.17	▷ 0.00	-0.06	-0.00	CO 25
				Max M _z	▷ -0.14	0.01	0.17	0.00	-0.06	-0.00	CO 24
				Min M _z	▷ -0.81	0.00	0.76	-0.00	0.02	-0.00	CO 21
				Max N	▷ -0.14	0.01	0.17	0.00	-0.06	-0.00	CO 25
				Min N	▷ -0.81	0.00	0.76	-0.00	0.02	-0.00	CO 16
				Max V _y	▷ -0.14	0.01	0.17	0.00	-0.06	-0.00	CO 27
				Min V _y	▷ -0.81	0.00	0.76	-0.00	0.02	-0.00	CO 18
				Max V _z	▷ -0.81	0.00	0.76	-0.00	0.02	-0.00	CO 16
				Min V _z	▷ -0.14	0.01	0.17	0.00	-0.06	-0.00	CO 25
			1.680 Left	Max M _T	▷ -0.14	0.01	0.17	▷ 0.00	-0.06	-0.00	CO 23
				Min M _T	▷ -0.81	0.00	0.76	▷ -0.00	0.02	-0.00	CO 22
				Max M _y	▷ -0.81	0.00	0.76	-0.00	0.02	-0.00	CO 16
				Min M _y	▷ -0.14	0.01	0.17	▷ 0.00	-0.06	-0.00	CO 25
				Max M _z	▷ -0.14	0.01	0.17	0.00	-0.06	-0.00	CO 24
				Min M _z	▷ -0.81	0.00	0.76	-0.00	0.02	-0.00	CO 21
				Max N	▷ -0.37	0.01	0.49	0.00	0.18	-0.01	CO 25
				Min N	▷ -1.05	0.00	1.84	-0.00	0.94	-0.01	CO 16
				Max V _y	▷ -0.37	0.01	0.49	0.00	0.18	-0.01	CO 27
				Min V _y	▷ -1.04	0.00	1.84	-0.00	0.94	-0.01	CO 18
			1.680 Right	Max V _z	▷ -1.05	0.00	1.84	-0.00	0.94	-0.01	CO 16
				Min V _z	▷ -0.37	0.01	0.49	0.00	0.18	-0.01	CO 25
				Max M _T	▷ -0.37	0.01	0.49	▷ 0.00	0.18	-0.01	CO 23
				Min M _T	▷ -1.04	0.00	1.84	▷ -0.00	0.94	-0.01	CO 22
				Max M _y	▷ -1.05	0.00	1.84	-0.00	0.94	-0.01	CO 16
				Min M _y	▷ -0.37	0.01	0.49	▷ 0.00	0.18	-0.01	CO 25
				Max M _z	▷ -1.04	0.00	1.84	-0.00	0.94	-0.01	CO 18
				Min M _z	▷ -0.37	0.01	0.49	0.00	0.18	-0.01	CO 27
				Max N	▷ -0.37	0.01	0.49	0.00	0.18	-0.01	CO 25
				Min N	▷ -1.05	0.00	1.84	-0.00	0.94	-0.01	CO 16
		124	0.000 Left	Max V _y	▷ -0.37	0.01	0.49	0.00	0.18	-0.01	CO 27
				Min V _y	▷ -1.04	0.00	1.84	-0.00	0.94	-0.01	CO 18
				Max V _z	▷ -1.05	0.00	1.84	-0.00	0.94	-0.01	CO 16
				Min V _z	▷ -0.37	0.01	0.49	0.00	0.18	-0.01	CO 25
				Max M _T	▷ -0.37	0.01	0.49	▷ 0.00	0.18	-0.01	CO 23
				Min M _T	▷ -1.04	0.00	1.84	▷ -0.00	0.94	-0.01	CO 22
				Max M _y	▷ -1.05	0.00	1.84	-0.00	0.94	-0.01	CO 16
				Min M _y	▷ -0.37	0.01	0.49	▷ 0.00	0.18	-0.01	CO 25
				Max M _z	▷ -1.04	0.00	1.84	-0.00	0.94	-0.01	CO 18
				Min M _z	▷ -0.37	0.01	0.49	0.00	0.18	-0.01	CO 27
	RC6	69	0.000 Left	Max N	▷ 2.66	0.01	0.05	-0.01	-0.13	0.00	LC 1-5
				Min N	▷ -3.96	-0.00	-0.45	0.00	-0.02	-0.00	LC 1-4
				Max V _y	▷ 0.71	0.05	-0.25	-0.00	-0.07	0.04	LC 1-5
				Min V _y	▷ -2.00	-0.04	-0.16	-0.00	-0.08	-0.04	LC 1-4
				Max V _z	▷ 2.34	-0.00	0.07	-0.01	-0.14	-0.01	LC 1-4
				Min V _z	▷ -3.63	0.01	-0.48	0.00	-0.02	0.01	LC 1-5
				Max M _T	▷ -3.70	0.01	-0.48	▷ 0.00	-0.02	0.01	LC 1-4
				Min M _T	▷ 2.41	-0.00	0.07	▷ -0.01	-0.14	-0.01	LC 1-5
				Max M _y	▷ -3.73	0.01	-0.48	▷ 0.00	-0.02	0.01	LC 1-4
				Min M _y	▷ 2.43	-0.00	0.07	▷ -0.01	-0.14	-0.01	LC 1-5
			0.000 Right	Max M _z	▷ 0.57	0.05	-0.26	-0.00	-0.07	0.04	LC 1-5
				Min M _z	▷ -1.86	-0.04	-0.15	-0.00	-0.09	-0.04	LC 1-4
				Max N	▷ 2.66	0.01	0.05	-0.01	-0.13	0.00	LC 1-5
				Min N	▷ -3.96	-0.00	-0.45	0.00	-0.02	-0.00	LC 1-4
				Max V _y	▷ 0.71	0.05	-0.25	-0.00	-0.07	0.04	LC 1-5
				Min V _y	▷ -2.00	-0.04	-0.16	-0.00	-0.08	-0.04	LC 1-4
				Max V _z	▷ 2.34	-0.00	0.07	-0.01	-0.14	-0.01	LC 1-4
				Min V _z	▷ -3.63	0.01	-0.48	0.00	-0.02	0.01	LC 1-5
				Max M _T	▷ -3.70	0.01	-0.48	▷ 0.00	-0.02	0.01	LC 1-4
				Min M _T	▷ 2.41	-0.00	0.07	▷ -0.01	-0.14	-0.01	LC 1-5
				Max M _y	▷ -3.73	0.01	-0.48	▷ 0.00	-0.02	0.01	LC 1-4

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding				
					N	V _y	V _z	M _T	M _y	M _z	Load Cases				
195	RC6		0.128 Left	Min M _y	2.43	-0.00	0.07	-0.01	▷	-0.14	-0.01	LC 1-5			
				Max M _z	0.57	0.05	-0.26	-0.00	▷	-0.07	0.04	LC 1-5			
				Min M _z	-1.86	-0.04	-0.15	-0.00	▷	-0.09	-0.04	LC 1-4			
				Max N	2.66	0.01	0.09	-0.01	▷	-0.13	0.00	LC 1-5			
				Min N	-3.96	-0.00	-0.41	0.00	▷	-0.08	-0.00	LC 1-4			
				Max V _y	0.70	▷	0.05	-0.21	-0.00	▷	-0.10	0.03	LC 1-5		
				Min V _y	-2.01	▷	-0.04	-0.12	-0.00	▷	-0.10	-0.04	LC 1-4		
				Max V _z	2.33	▷	-0.00	0.11	-0.01	▷	-0.13	-0.01	LC 1-4		
				Min V _z	-3.64	0.01	▷	-0.44	0.00	▷	-0.08	0.01	LC 1-5		
				Max M _T	-3.71	0.01	▷	-0.44	0.00	▷	-0.08	0.00	LC 1-4		
				Min M _T	2.40	-0.00	▷	0.11	-0.01	▷	-0.13	-0.01	LC 1-5		
				Max M _y	-3.72	0.01	▷	-0.42	0.00	▷	-0.08	0.00	LC 1-4		
				Min M _y	2.42	0.00	▷	0.09	-0.01	▷	-0.13	-0.01	LC 1-5		
				Max M _z	0.54	0.05	▷	-0.22	-0.00	▷	-0.10	0.03	LC 1-5		
				Min M _z	-1.84	-0.04	▷	-0.11	-0.00	▷	-0.10	-0.04	LC 1-4		
				0.128 Right	Max N	2.66	▷	0.01	0.09	-0.01	▷	-0.13	0.00	LC 1-5	
					Min N	-3.96	▷	-0.00	-0.41	0.00	▷	-0.08	-0.00	LC 1-4	
					Max V _y	0.70	▷	0.05	-0.21	-0.00	▷	-0.10	0.03	LC 1-5	
					Min V _y	-2.01	▷	-0.04	-0.12	-0.00	▷	-0.10	-0.04	LC 1-4	
					Max V _z	2.33	▷	-0.00	0.11	-0.01	▷	-0.13	-0.01	LC 1-4	
					Min V _z	-3.64	0.01	▷	-0.44	0.00	▷	-0.08	0.01	LC 1-5	
					Max M _T	-3.71	0.01	▷	-0.44	0.00	▷	-0.08	0.00	LC 1-4	
					Min M _T	2.40	-0.00	▷	0.11	-0.01	▷	-0.13	-0.01	LC 1-5	
					Max M _y	-3.72	0.01	▷	-0.42	0.00	▷	-0.08	0.00	LC 1-4	
					Min M _y	2.42	0.00	▷	0.09	-0.01	▷	-0.13	-0.01	LC 1-5	
					Max M _z	0.54	0.05	▷	-0.22	-0.00	▷	-0.10	0.03	LC 1-5	
					Min M _z	-1.84	-0.04	▷	-0.11	-0.00	▷	-0.10	-0.04	LC 1-4	
					0.968 Left	Max N	2.64	▷	0.01	0.80	-0.01	▷	0.22	-0.01	LC 1-5
						Min N	-3.98	▷	-0.00	0.30	0.00	▷	-0.16	-0.00	LC 1-4
						Max V _y	0.69	▷	0.05	0.51	-0.00	▷	-0.01	-0.01	LC 1-5
				Min V _y		-2.02	▷	-0.04	0.60	-0.00	▷	0.07	0.00	LC 1-4	
				Max V _z		2.32	▷	-0.00	0.83	-0.01	▷	0.24	-0.01	LC 1-4	
				Min V _z		-3.65	0.01	▷	0.28	0.00	▷	-0.18	-0.00	LC 1-5	
				Max M _T		-3.72	0.01	▷	0.28	0.00	▷	-0.17	-0.00	LC 1-4	
				Min M _T		2.39	-0.00	▷	0.82	-0.01	▷	0.24	-0.01	LC 1-5	
				Max M _y		2.27	-0.00	▷	0.83	-0.01	▷	0.24	-0.00	LC 1-4	
				Min M _y		-3.61	0.01	▷	0.28	0.00	▷	-0.18	-0.00	LC 1-5	
				Max M _z		-2.85	-0.04	▷	0.52	-0.00	▷	0.01	0.00	LC 1-4	
				Min M _z		1.51	0.05	▷	0.58	-0.01	▷	0.05	-0.01	LC 1-5	
				0.968 Right		Max N	2.64	▷	0.01	0.80	-0.01	▷	0.22	-0.01	LC 1-5
						Min N	-3.98	▷	-0.00	0.30	0.00	▷	-0.16	-0.00	LC 1-4
						Max V _y	0.69	▷	0.05	0.51	-0.00	▷	-0.01	-0.01	LC 1-5
					Min V _y	-2.02	▷	-0.04	0.60	-0.00	▷	0.07	0.00	LC 1-4	
					Max V _z	2.32	▷	-0.00	0.83	-0.01	▷	0.24	-0.01	LC 1-4	
					Min V _z	-3.65	0.01	▷	0.28	0.00	▷	-0.18	-0.00	LC 1-5	
					Max M _T	-3.72	0.01	▷	0.28	0.00	▷	-0.17	-0.00	LC 1-4	
					Min M _T	2.39	-0.00	▷	0.82	-0.01	▷	0.24	-0.01	LC 1-5	
					Max M _y	2.27	-0.00	▷	0.83	-0.01	▷	0.24	-0.00	LC 1-4	
					Min M _y	-3.61	0.01	▷	0.28	0.00	▷	-0.18	-0.00	LC 1-5	
					Max M _z	-2.85	-0.04	▷	0.52	-0.00	▷	0.01	0.00	LC 1-4	
					Min M _z	1.51	0.05	▷	0.58	-0.01	▷	0.05	-0.01	LC 1-5	
					1.680 Left	Max N	2.63	▷	0.01	1.59	-0.01	▷	1.07	-0.01	LC 1-5
						Min N	-4.00	-0.00	▷	1.09	0.00	▷	0.34	0.00	LC 1-4
						Max V _y	0.67	▷	0.05	1.30	-0.00	▷	0.64	-0.05	LC 1-5
				Min V _y		-2.04	-0.04	▷	1.39	-0.00	▷	0.77	0.03	LC 1-4	
				Max V _z		2.30	-0.00	▷	1.62	-0.01	▷	1.11	-0.00	LC 1-4	
				Min V _z		-3.67	0.01	▷	1.07	0.00	▷	0.30	-0.01	LC 1-5	
				Max M _T		-3.74	0.01	▷	1.07	0.00	▷	0.31	-0.01	LC 1-4	
				Min M _T		2.37	-0.00	▷	1.61	-0.01	▷	1.10	-0.00	LC 1-5	
				Max M _y		2.28	-0.00	▷	1.62	-0.01	▷	1.11	-0.00	LC 1-4	
				Min M _y		-3.65	0.01	▷	1.07	0.00	▷	0.30	-0.01	LC 1-5	
				Max M _z		-2.18	-0.04	▷	1.37	-0.00	▷	0.76	0.03	LC 1-4	
				Min M _z		0.81	0.05	▷	1.31	-0.00	▷	0.65	-0.05	LC 1-5	
				1.680 Right		Max N	2.63	▷	0.01	1.59	-0.01	▷	1.07	-0.01	LC 1-5
						Min N	-4.00	-0.00	▷	1.09	0.00	▷	0.34	0.00	LC 1-4
						Max V _y	0.67	▷	0.05	1.30	-0.00	▷	0.64	-0.05	LC 1-5
					Min V _y	-2.04	-0.04	▷	1.39	-0.00	▷	0.77	0.03	LC 1-4	
					Max V _z	2.30	-0.00	▷	1.62	-0.01	▷	1.11	-0.00	LC 1-4	
					Min V _z	-3.67	0.01	▷	1.07	0.00	▷	0.30	-0.01	LC 1-5	
					Max M _T	-3.74	0.01	▷	1.07	0.00	▷	0.31	-0.01	LC 1-4	
					Min M _T	2.37	-0.00	▷	1.62	-0.01	▷	1.10	-0.00	LC 1-5	
					Max M _y	2.28	-0.00	▷	1.62	-0.01	▷	1.11	-0.00	LC 1-4	
					Min M _y	-3.65	0.01	▷	1.07	0.00	▷	0.30	-0.01	LC 1-5	
					Max M _z	-2.18	-0.04	▷	1.37	-0.00	▷	0.76	0.03	LC 1-4	
					Min M _z	0.81	0.05	▷	1.31	-0.00	▷	0.65	-0.05	LC 1-5	
124	Max N	2.63	▷		0.01	1.59	-0.01	▷	1.07	-0.01	LC 1-5				
	Min N	-4.00	-0.00		▷	1.09	0.00	▷	0.34	0.00	LC 1-4				
	Max V _y	0.67	▷		0.05	1.30	-0.00	▷	0.64	-0.05	LC 1-5				
	Min V _y	-2.04	-0.04	▷	1.39	-0.00	▷	0.77	0.03	LC 1-4					
	Max V _z	2.30	-0.00	▷	1.62	-0.01	▷	1.11	-0.00	LC 1-4					
	Min V _z	-3.67	0.01	▷	1.07	0.00	▷	0.30	-0.01	LC 1-5					
	Max M _T	-3.74	0.01	▷	1.07	0.00	▷	0.31	-0.01	LC 1-4					
	Min M _T	2.37	-0.00	▷	1.62	-0.01	▷	1.10	-0.00	LC 1-5					
	Max M _y	2.28	-0.00	▷	1.62	-0.01	▷	1.11	-0.00	LC 1-4					
	Min M _y	-3.65	0.01	▷	1.07	0.00	▷	0.30	-0.01	LC 1-5					
	Max M _z	-2.18	-0.04	▷	1.37	-0.00	▷	0.76	0.03	LC 1-4					
	Min M _z	0.81	0.05	▷	1.31	-0.00	▷	0.65	-0.05	LC 1-5					
	0.000 Left	Max N	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14				
		Min N	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5				
		Max V _y	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5				
Min V _y		0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14					
Max V _z		0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14					
Min V _z		0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5					
Max M _T		0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 10					
Min M _T		0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 7					
Max M _y		0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 3					
Min M _y		0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14					
Max M _z		0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5					
Min M _z		0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14					
0.000 Right		Max N	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14				
		Min N	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5				
		Max V _y	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5				
	Min V _y	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14					
	Max V _z	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14					
	Min V _z	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5					
198	RC1	127	0.000 Left	Max M _T	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 10		
				Min M _T	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 7		
				Max M _y	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 3		
				Min M _y	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14		
				Max M _z	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5		
				Min M _z	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14		
				0.000 Right	Max N	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14	
					Min N	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5	
					Max V _y	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5	
					Min V _y	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14	
					Max V _z	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14	
					Min V _z	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5	
					Max M _T	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 10	
					Min M _T	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 7	
					Max M _y	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 3	
Min M _y	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14						
Max M _z	0.05	▷	0.01	-1.66	-0.00	▷	0.11	0.02	CO 5						
Min M _z	0.24	▷	0.01	-0.68	0.00	▷	0.07	0.01	CO 14						



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
198	RC1			0.128 Left	Min V _z	0.05	0.01	▷	-1.66	-0.00	0.11	CO 5
					Max M _T	0.24	0.01		-0.68	0.00	0.07	CO 10
					Min M _T	0.05	0.01		-1.66	-0.00	0.11	CO 7
					Max M _y	0.05	0.01		-1.66	-0.00	0.11	CO 3
					Min M _y	0.24	0.01		-0.68	0.00	0.07	CO 14
					Max M _z	0.05	0.01		-1.66	-0.00	0.11	CO 5
					Min M _z	0.24	0.01		-0.68	0.00	0.07	CO 14
					Max N	0.18	0.01		-0.59	0.00	-0.02	CO 14
					Min N	-0.01	0.01		-1.53	-0.00	-0.09	CO 5
					Max V _y	-0.01	0.01		-1.53	-0.00	-0.09	CO 5
					Min V _y	0.18	0.01		-0.59	0.00	-0.02	CO 14
					Max V _z	0.18	0.01		-0.59	0.00	-0.02	CO 14
					Min V _z	-0.01	0.01		-1.53	-0.00	-0.09	CO 5
					Max M _T	0.18	0.01		-0.59	0.00	-0.02	CO 10
					Min M _T	-0.01	0.01		-1.53	-0.00	-0.09	CO 7
					Max M _y	0.17	0.01		-0.60	0.00	-0.02	CO 9
					Min M _y	-0.01	0.01		-1.53	-0.00	-0.09	CO 8
					Max M _z	-0.01	0.01		-1.53	-0.00	-0.09	CO 5
					Min M _z	0.18	0.01		-0.59	0.00	-0.02	CO 14
					Max N	0.18	0.01		-0.59	0.00	-0.02	CO 14
					Min N	-0.01	0.01		-1.53	-0.00	-0.09	CO 5
					Max V _y	-0.01	0.01		-1.53	-0.00	-0.09	CO 5
					Min V _y	0.18	0.01		-0.59	0.00	-0.02	CO 14
					Max V _z	0.18	0.01		-0.59	0.00	-0.02	CO 14
				Min V _z	-0.01	0.01		-1.53	-0.00	-0.09	CO 5	
				Max M _T	0.18	0.01		-0.59	0.00	-0.02	CO 10	
				Min M _T	-0.01	0.01		-1.53	-0.00	-0.09	CO 7	
				Max M _y	0.17	0.01		-0.60	0.00	-0.02	CO 9	
				Min M _y	-0.01	0.01		-1.53	-0.00	-0.09	CO 8	
				Max M _z	-0.01	0.01		-1.53	-0.00	-0.09	CO 5	
				Min M _z	0.18	0.01		-0.59	0.00	-0.02	CO 14	
				Max N	-0.23	0.01		-0.04	0.00	-0.28	CO 14	
				Min N	-0.43	0.01		-0.05	-0.00	-0.79	CO 5	
				Max V _y	-0.43	0.01		-0.05	-0.00	-0.79	CO 5	
				Min V _y	-0.23	0.01		-0.04	0.00	-0.28	CO 14	
				Max V _z	-0.23	0.01		-0.04	0.00	-0.28	CO 14	
				Min V _z	-0.43	0.01		-0.05	-0.00	-0.79	CO 5	
				Max M _T	-0.23	0.01		-0.05	0.00	-0.28	CO 10	
				Min M _T	-0.42	0.01		-0.05	-0.00	-0.79	CO 7	
				Max M _y	-0.23	0.01		-0.05	0.00	-0.28	CO 10	
				Min M _y	-0.43	0.01		-0.05	-0.00	-0.79	CO 5	
				Max M _z	-0.43	0.01		-0.05	-0.00	-0.79	CO 5	
				Min M _z	-0.23	0.01		-0.04	0.00	-0.28	CO 14	
				Max N	-0.23	0.01		-0.04	0.00	-0.28	CO 14	
				Min N	-0.43	0.01		-0.05	-0.00	-0.79	CO 5	
				Max V _y	-0.43	0.01		-0.05	-0.00	-0.79	CO 5	
				Min V _y	-0.23	0.01		-0.04	0.00	-0.28	CO 14	
				Max V _z	-0.23	0.01		-0.04	0.00	-0.28	CO 14	
				Min V _z	-0.43	0.01		-0.05	-0.00	-0.79	CO 5	
				Max M _T	-0.23	0.01		-0.04	0.00	-0.28	CO 10	
				Min M _T	-0.42	0.01		-0.05	-0.00	-0.79	CO 7	
				Max M _y	-0.23	0.01		-0.04	0.00	-0.28	CO 10	
				Min M _y	-0.43	0.01		-0.05	-0.00	-0.79	CO 5	
				Max M _z	-0.43	0.01		-0.05	-0.00	-0.79	CO 5	
				Min M _z	-0.23	0.01		-0.04	0.00	-0.28	CO 14	
				Max N	-0.98	0.01		0.97	0.00	0.43	CO 14	
				Min N	-1.18	0.01		3.20	-0.00	1.66	CO 5	
				Max V _y	-1.18	0.01		3.20	-0.00	1.66	CO 5	
				Min V _y	-0.98	0.01		0.97	0.00	0.43	CO 14	
				Max V _z	-1.17	0.01		3.20	-0.00	1.66	CO 2	
Min V _z	-0.99	0.01		0.97	0.00	0.43	CO 11					
Max M _T	-0.99	0.01		0.97	0.00	0.43	CO 10					
Min M _T	-1.17	0.01		3.20	-0.00	1.66	CO 7					
Max M _y	-1.17	0.01		3.20	-0.00	1.66	CO 2					
Min M _y	-0.99	0.01		0.97	0.00	0.43	CO 11					
Max M _z	-0.99	0.01		0.97	0.00	0.43	CO 10					
Min M _z	-1.18	0.01		3.20	-0.00	1.66	CO 5					
Max N	-0.98	0.01		0.97	0.00	0.43	CO 14					
Min N	-1.18	0.01		3.20	-0.00	1.66	CO 5					
Max V _y	-1.18	0.01		3.20	-0.00	1.66	CO 5					
Min V _y	-0.98	0.01		0.97	0.00	0.43	CO 14					
Max V _z	-1.17	0.01		3.20	-0.00	1.66	CO 2					
Min V _z	-0.99	0.01		0.97	0.00	0.43	CO 11					
Max M _T	-0.99	0.01		0.97	0.00	0.43	CO 10					
Min M _T	-1.17	0.01		3.20	-0.00	1.66	CO 7					
Max M _y	-1.17	0.01		3.20	-0.00	1.66	CO 2					
Min M _y	-0.99	0.01		0.97	0.00	0.43	CO 11					
Max M _z	-0.99	0.01		0.97	0.00	0.43	CO 10					
Min M _z	-1.18	0.01		3.20	-0.00	1.66	CO 5					
RC2	127		0.000 Left	Max N	0.16	0.00		-0.46	0.00	0.04	CO 28	
				Min N	0.02	0.01		-1.19	-0.00	0.08	CO 19	
				Max V _y	0.02	0.01		-1.19	-0.00	0.08	CO 19	
				Min V _y	0.16	0.00		-0.46	0.00	0.04	CO 28	
				Max V _z	0.16	0.00		-0.46	0.00	0.04	CO 28	
				Min V _z	0.02	0.01		-1.19	-0.00	0.08	CO 19	
				Max M _T	0.16	0.00		-0.46	0.00	0.05	CO 24	
				Min M _T	0.02	0.01		-1.19	-0.00	0.08	CO 21	
				Max M _y	0.02	0.01		-1.19	-0.00	0.08	CO 17	
				Min M _y	0.16	0.00		-0.46	0.00	0.04	CO 28	
				Max M _z	0.02	0.01		-1.19	-0.00	0.08	CO 19	
				Min M _z	0.16	0.00		-0.46	0.00	0.04	CO 28	
				Max N	0.16	0.00		-0.46	0.00	0.04	CO 28	
				0.000	Min N	0.02	0.01		-1.19	-0.00	0.08	CO 19
					Max V _y	0.02	0.01		-1.19	-0.00	0.08	CO 19
					Min V _y	0.16	0.00		-0.46	0.00	0.04	CO 28
					Max V _z	0.16	0.00		-0.46	0.00	0.04	CO 28
					Min V _z	0.02	0.01		-1.19	-0.00	0.08	CO 19
					Max M _T	0.16	0.00		-0.46	0.00	0.05	CO 24
					Min M _T	0.02	0.01		-1.19	-0.00	0.08	CO 21
					Max M _y	0.02	0.01		-1.19	-0.00	0.08	CO 17



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
198	RC2		Right	Min N	0.02	0.01	-1.19	-0.00	0.08	0.01	CO 19
				Max V _y	0.02	0.01	-1.19	-0.00	0.08	0.01	CO 19
				Min V _y	0.16	0.00	-0.46	0.00	0.04	0.01	CO 28
				Max V _z	0.16	0.00	-0.46	0.00	0.04	0.01	CO 28
				Min V _z	0.02	0.01	-1.19	-0.00	0.08	0.01	CO 19
				Max M _T	0.16	0.00	-0.46	0.00	0.05	0.01	CO 24
				Min M _T	0.02	0.01	-1.19	-0.00	0.08	0.01	CO 21
				Max M _y	0.02	0.01	-1.19	-0.00	0.08	0.01	CO 17
				Min M _y	0.16	0.00	-0.46	0.00	0.04	0.01	CO 28
				Max M _z	0.02	0.01	-1.19	-0.00	0.08	0.01	CO 19
				Min M _z	0.16	0.00	-0.46	0.00	0.04	0.01	CO 28
			0.128 Left	Max N	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 28
				Min N	-0.03	0.01	-1.09	-0.00	-0.07	0.01	CO 19
				Max V _y	-0.03	0.01	-1.09	-0.00	-0.07	0.01	CO 19
				Min V _y	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 28
				Max V _z	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 28
				Min V _z	-0.03	0.01	-1.09	-0.00	-0.07	0.01	CO 19
				Max M _T	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 24
				Min M _T	-0.02	0.01	-1.09	-0.00	-0.07	0.01	CO 21
				Max M _y	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 23
				Min M _y	-0.02	0.01	-1.09	-0.00	-0.07	0.01	CO 22
			0.128 Right	Max M _z	-0.03	0.01	-1.09	-0.00	-0.07	0.01	CO 19
				Min M _z	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 28
				Max N	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 28
				Min N	-0.03	0.01	-1.09	-0.00	-0.07	0.01	CO 19
				Max V _y	-0.03	0.01	-1.09	-0.00	-0.07	0.01	CO 19
				Min V _y	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 28
				Max V _z	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 28
				Min V _z	-0.03	0.01	-1.09	-0.00	-0.07	0.01	CO 19
				Max M _T	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 24
				Min M _T	-0.02	0.01	-1.09	-0.00	-0.07	0.01	CO 21
			0.968 Left	Max M _y	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 23
				Min M _y	-0.02	0.01	-1.09	-0.00	-0.07	0.01	CO 22
				Max M _z	-0.03	0.01	-1.09	-0.00	-0.07	0.01	CO 19
				Min M _z	0.12	0.00	-0.40	0.00	-0.01	0.01	CO 28
				Max N	-0.15	0.00	-0.03	0.00	-0.19	0.00	CO 28
				Min N	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 19
				Max V _y	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 19
				Min V _y	-0.15	0.00	-0.03	0.00	-0.19	0.00	CO 28
				Max V _z	-0.15	0.00	-0.03	0.00	-0.19	0.00	CO 28
				Min V _z	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 19
			0.968 Right	Max M _T	-0.16	0.00	-0.03	0.00	-0.19	0.00	CO 24
				Min M _T	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 21
				Max M _y	-0.16	0.00	-0.03	0.00	-0.19	0.00	CO 24
				Min M _y	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 19
				Max M _z	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 19
				Min M _z	-0.15	0.00	-0.03	0.00	-0.19	0.00	CO 28
				Max N	-0.15	0.00	-0.03	0.00	-0.19	0.00	CO 28
				Min N	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 19
				Max V _y	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 19
				Min V _y	-0.15	0.00	-0.03	0.00	-0.19	0.00	CO 28
			2.520 Left	Max V _z	-0.15	0.00	-0.03	0.00	-0.19	0.00	CO 28
				Min V _z	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 19
				Max M _T	-0.16	0.00	-0.03	0.00	-0.19	0.00	CO 24
				Min M _T	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 21
				Max M _y	-0.16	0.00	-0.03	0.00	-0.19	0.00	CO 24
				Min M _y	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 19
				Max M _z	-0.30	0.01	-0.03	-0.00	-0.57	0.00	CO 19
				Min M _z	-0.15	0.00	-0.03	0.00	-0.19	0.00	CO 28
				Max N	-0.66	0.00	0.65	0.00	0.29	-0.01	CO 28
				Min N	-0.81	0.01	2.30	-0.00	1.19	-0.01	CO 19
			2.520 Right	Max V _y	-0.81	0.01	2.30	-0.00	1.19	-0.01	CO 19
				Min V _y	-0.66	0.00	0.65	0.00	0.29	-0.01	CO 28
				Max V _z	-0.80	0.01	2.30	-0.00	1.19	-0.01	CO 16
				Min V _z	-0.66	0.00	0.65	0.00	0.29	-0.01	CO 25
				Max M _T	-0.66	0.00	0.65	0.00	0.29	-0.01	CO 24
				Min M _T	-0.80	0.01	2.30	-0.00	1.19	-0.01	CO 21
				Max M _y	-0.80	0.01	2.30	-0.00	1.19	-0.01	CO 16
				Min M _y	-0.66	0.00	0.65	0.00	0.29	-0.01	CO 25
				Max M _z	-0.66	0.00	0.65	0.00	0.29	-0.01	CO 24
				Min M _z	-0.81	0.01	2.30	-0.00	1.19	-0.01	CO 19
	RC6	127	0.000 Left	Max N	2.29	0.01	-0.71	-0.01	-0.02	0.02	LC 1-4
				Min N	-2.55	-0.00	-0.88	0.00	0.12	0.00	LC 1-5
				Max V _y	1.49	0.03	-0.78	-0.00	0.03	0.04	LC 1-5
				Min V _y	-1.75	-0.02	-0.81	-0.00	0.07	-0.02	LC 1-4
				Max V _z	1.75	0.01	-0.69	-0.01	-0.05	0.01	LC 1-4
				Min V _z	-2.01	0.00	-0.90	0.00	0.14	0.00	LC 1-5
				Max M _T	-2.06	0.00	-0.90	0.00	0.14	0.00	LC 1-4
				Min M _T	1.80	0.01	-0.69	-0.01	-0.04	0.01	LC 1-5
				Max M _y	-1.89	0.00	-0.90	0.00	0.15	0.00	LC 1-5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding			
					N	V _y	V _z	M _T	M _y	M _z	Load Cases			
198	RC6			0.000 Right	Min M _y	1.63	0.01	-0.69	-0.01	▷	-0.05	0.02	LC 1-4	
					Max M _z	1.49	0.03	-0.78	-0.00		0.02	▷	0.04	LC 1-5
					Min M _z	-1.76	-0.01	-0.81	-0.00		0.07	▷	-0.02	LC 1-4
					Max N	2.29	0.01	-0.71	-0.01		-0.02		0.02	LC 1-4
					Min N	-2.55	-0.00	-0.88	0.00		0.12		0.00	LC 1-5
					Max V _y	1.49	0.03	-0.78	-0.00		0.03		0.04	LC 1-5
					Min V _y	-1.75	-0.02	-0.81	-0.00		0.07		-0.02	LC 1-4
					Max V _z	1.75	0.01	-0.69	-0.01		-0.05		0.01	LC 1-4
					Min V _z	-2.01	0.00	-0.90	0.00		0.14		0.00	LC 1-5
					Max M _T	-2.06	0.00	-0.90	0.00	▷	0.14		0.00	LC 1-4
					Min M _T	1.80	0.01	-0.69	▷	-0.01	-0.04		0.01	LC 1-5
					Max M _y	-1.89	0.00	-0.90	0.00	▷	0.15		0.00	LC 1-5
					Min M _y	1.63	0.01	-0.69	-0.01		-0.05		0.02	LC 1-4
					Max M _z	1.49	0.03	-0.78	-0.00		0.02	▷	0.04	LC 1-5
					Min M _z	-1.76	-0.01	-0.81	-0.00		0.07	▷	-0.02	LC 1-4
					Max N	2.29	0.01	-0.67	-0.01		-0.11		0.02	LC 1-4
					Min N	-2.55	-0.00	-0.84	0.00		0.01		0.00	LC 1-5
					Max V _y	1.49	0.03	-0.74	-0.00		-0.07		0.03	LC 1-5
					Min V _y	-1.75	-0.02	-0.76	-0.00		-0.03		-0.02	LC 1-4
					Max V _z	1.75	0.01	-0.65	-0.01	▷	-0.13		0.01	LC 1-4
					Min V _z	-2.02	0.00	-0.86	0.00	▷	0.03		0.00	LC 1-5
					Max M _T	-2.07	0.00	-0.86	0.00		0.03		0.00	LC 1-4
					Min M _T	1.80	0.01	-0.65	▷	-0.01	-0.13		0.01	LC 1-5
					Max M _y	-1.87	0.00	-0.86	0.00	▷	0.03		-0.00	LC 1-5
					Min M _y	1.60	0.01	-0.65	-0.01	▷	-0.14		0.02	LC 1-4
					Max M _z	1.49	0.03	-0.74	-0.00		-0.07	▷	0.03	LC 1-5
					Min M _z	-1.76	-0.01	-0.77	-0.00		-0.03	▷	-0.02	LC 1-4
					Max N	2.29	0.01	-0.67	-0.01		-0.11		0.02	LC 1-4
					Min N	-2.55	-0.00	-0.84	0.00		0.01		0.00	LC 1-5
					Max V _y	1.49	0.03	-0.74	-0.00		-0.07		0.03	LC 1-5
					Min V _y	-1.75	-0.02	-0.76	-0.00		-0.03		-0.02	LC 1-4
					Max V _z	1.75	0.01	-0.65	-0.01	▷	-0.13		0.01	LC 1-4
					Min V _z	-2.02	0.00	-0.86	0.00		0.03		0.00	LC 1-5
					Max M _T	-2.07	0.00	-0.86	0.00		0.03		0.00	LC 1-4
					Min M _T	1.80	0.01	-0.65	▷	-0.01	-0.13		0.01	LC 1-5
					Max M _y	-1.87	0.00	-0.86	0.00	▷	0.03		-0.00	LC 1-5
					Min M _y	1.60	0.01	-0.65	-0.01	▷	-0.14		0.02	LC 1-4
					Max M _z	1.49	0.03	-0.74	-0.00		-0.07	▷	0.03	LC 1-5
					Min M _z	-1.76	-0.01	-0.77	-0.00		-0.03	▷	-0.02	LC 1-4
					Max N	2.27	0.01	0.04	-0.01		-0.40		0.00	LC 1-4
					Min N	-2.57	-0.00	-0.12	0.00		-0.42		0.00	LC 1-5
					Max V _y	1.47	0.03	-0.03	-0.00		-0.42		0.01	LC 1-5
					Min V _y	-1.77	-0.02	-0.05	-0.00		-0.40		-0.00	LC 1-4
					Max V _z	1.73	0.01	0.06	-0.01	▷	-0.41		0.01	LC 1-4
					Min V _z	-2.04	0.00	-0.14	0.00	▷	-0.42		0.00	LC 1-5
					Max M _T	-2.08	0.00	-0.14	0.00	▷	-0.42		0.00	LC 1-4
					Min M _T	1.78	0.01	0.06	▷	-0.01	-0.41		0.01	LC 1-5
					Max M _y	0.82	-0.00	-0.01	-0.01	▷	-0.39		-0.00	LC 1-4
					Min M _y	-1.12	0.02	-0.07	-0.00	▷	-0.43		0.01	LC 1-5
					Max M _z	0.43	0.02	-0.00	-0.01		-0.43	▷	0.01	LC 1-5
					Min M _z	-0.73	-0.01	-0.08	-0.00		-0.40	▷	-0.00	LC 1-4
					Max N	2.27	0.01	0.04	-0.01		-0.40		0.00	LC 1-4
					Min N	-2.57	-0.00	-0.12	0.00		-0.42		0.00	LC 1-5
					Max V _y	1.47	0.03	-0.03	-0.00		-0.42		0.01	LC 1-5
					Min V _y	-1.77	-0.02	-0.05	-0.00		-0.40		-0.00	LC 1-4
					Max V _z	1.73	0.01	0.06	-0.01	▷	-0.41		0.01	LC 1-4
					Min V _z	-2.04	0.00	-0.14	0.00	▷	-0.42		0.00	LC 1-5
					Max M _T	-2.08	0.00	-0.14	0.00	▷	-0.42		0.00	LC 1-4
					Min M _T	1.78	0.01	0.06	▷	-0.01	-0.41		0.01	LC 1-5
					Max M _y	0.82	-0.00	-0.01	-0.01	▷	-0.39		-0.00	LC 1-4
					Min M _y	-1.12	0.02	-0.07	-0.00	▷	-0.43		0.01	LC 1-5
					Max M _z	0.43	0.02	-0.00	-0.01		-0.43	▷	0.01	LC 1-5
					Min M _z	-0.73	-0.01	-0.08	-0.00		-0.40	▷	-0.00	LC 1-4
					Max N	2.24	0.01	1.74	-0.01		0.98		-0.02	LC 1-4
					Min N	-2.60	-0.00	1.58	0.00		0.70		0.00	LC 1-5
					Max V _y	1.43	0.03	1.67	-0.00		0.84		-0.03	LC 1-5
					Min V _y	-1.80	-0.02	1.65	-0.00		0.83		0.02	LC 1-4
					Max V _z	1.70	0.01	1.76	-0.01		1.01		-0.01	LC 1-4
					Min V _z	-2.07	0.00	1.55	0.00		0.67		-0.00	LC 1-5
					Max M _T	-2.12	0.00	1.56	0.00	▷	0.67		-0.01	LC 1-4
					Min M _T	1.75	0.01	1.76	▷	-0.01	1.00		-0.01	LC 1-5
					Max M _y	1.74	0.01	1.76	▷	-0.01	1.01	▷	-0.01	LC 1-4
					Min M _y	-2.11	0.00	1.55	0.00	▷	0.67		-0.01	LC 1-5
					Max M _z	-1.80	-0.01	1.65	-0.00		0.84	▷	0.02	LC 1-4
					Min M _z	1.43	0.03	1.66	-0.00		0.84	▷	-0.03	LC 1-5
					Max N	2.24	0.01	1.74	-0.01		0.98		-0.02	LC 1-4
					Min N	-2.60	-0.00	1.58	0.00		0.70		0.00	LC 1-5
					Max V _y	1.43	0.03	1.67	-0.00		0.84		-0.03	LC 1-5
					Min V _y	-1.80	-0.02	1.65	-0.00		0.83		0.02	LC 1-4
					Max V _z	1.70	0.01	1.76	▷	-0.01	1.01		-0.01	LC 1-4
					Min V _z	-2.07	0.00	1.55	▷	0.00	0.67		-0.00	LC 1-5
					Max M _T	-2.12	0.00	1.56	▷	0.00	0.67		-0.01	LC 1-4
					Min M _T	1.75	0.01	1.76	▷	-0.01	1.00		-0.01	LC 1-5
					Max M _y	1.74	0.01	1.76	▷	-0.01	1.01	▷	-0.01	LC 1-4
					Min M _y	-2.11	0.00	1.55	0.00	▷	0.67		-0.01	LC 1-5
					Max M _z	-1.80	-0.01	1.65	-0.00		0.84	▷	0.02	LC 1-4
					Min M _z	1.43	0.03	1.66	-0.00		0.84	▷	-0.03	LC 1-5
201	RC1	131	0.000 Left		Max N	-0.14	0.05	-0.03	0.00		-0.01	0.02	CO 14	
					Min N	-2.41	0.03	0.97	0.00		-0.04	0.01	CO 5	
					Max V _y	-0.15	0.05	-0.03	0.00		-0.01	0.02	CO 13	
					Min V _y	-2.40	0.03	0.97	0.00		-0.04	0.01	CO 4	
					Max V _z	-2.40	0.03	0.97	0.00		-0.04	0.01	CO 2	
					Min V _z	-2.40	0.03	0.97	0.00		-0.04	0.01	CO 2	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding
				N	V _y	V _z	M _T	M _y	M _z	Load Cases		
201	RC1			Min V _z	-0.15	0.05	▷	-0.03	0.00	-0.01	0.02	CO 11
				Max M _T	-2.40	0.03	▷	0.97	0.00	-0.04	0.01	CO 3
				Min M _T	-0.14	0.05	▷	-0.03	0.00	-0.01	0.02	CO 14
				Max M _y	-0.15	0.05	▷	-0.03	0.00	-0.01	0.02	CO 9
				Min M _y	-2.40	0.03	▷	0.97	0.00	-0.04	0.01	CO 8
				Max M _z	-0.15	0.05	▷	-0.03	0.00	-0.01	0.02	CO 13
				Min M _z	-2.40	0.03	▷	0.97	0.00	-0.04	0.01	CO 4
				Max N	-0.15	0.05	▷	-0.03	0.00	-0.01	0.02	CO 14
				Min N	-2.41	0.03	▷	0.97	0.00	-0.04	0.01	CO 5
				Max V _y	-0.15	▷	0.05	-0.03	0.00	-0.01	0.02	CO 13
				Min V _y	-2.40	▷	0.03	0.97	0.00	-0.04	0.01	CO 4
				Max V _z	-2.40	▷	0.03	0.97	0.00	-0.04	0.01	CO 2
				Min V _z	-0.15	▷	0.05	-0.03	0.00	-0.01	0.02	CO 11
				Max M _T	-2.40	▷	0.03	0.97	0.00	-0.04	0.01	CO 3
				Min M _T	-0.15	0.05	-0.03	0.00	-0.01	0.02	CO 14	
				Max M _y	-0.15	0.05	-0.03	0.00	-0.01	0.02	CO 9	
				Min M _y	-2.40	0.03	0.97	0.00	-0.04	0.01	CO 8	
				Max M _z	-0.15	0.05	-0.03	0.00	-0.01	▷	0.02	CO 13
				Min M _z	-2.40	0.03	0.97	0.00	-0.04	▷	0.01	CO 4
				Max N	-0.21	0.05	0.06	0.00	-0.01	0.01	CO 14	
				Min N	-2.47	0.03	1.09	0.00	0.09	0.00	CO 5	
				Max V _y	-0.21	▷	0.05	0.06	0.00	-0.01	0.01	CO 13
				Min V _y	-2.47	▷	0.03	1.09	0.00	0.09	0.00	CO 4
				Max V _z	-2.46	▷	0.03	1.10	0.00	0.09	0.00	CO 2
				Min V _z	-0.21	▷	0.05	0.06	0.00	-0.01	0.01	CO 11
				Max M _T	-2.47	▷	0.03	1.09	0.00	0.09	0.00	CO 3
				Min M _T	-0.21	0.05	0.06	0.00	-0.01	0.01	CO 14	
				Max M _y	-2.47	0.03	1.09	0.00	0.09	0.00	CO 1	
				Min M _y	-0.21	0.05	0.06	▷	-0.01	0.01	CO 12	
				Max M _z	-0.21	0.05	0.06	0.00	-0.01	▷	0.01	CO 13
				Min M _z	-2.47	0.03	1.09	0.00	0.09	▷	0.00	CO 4
				Max N	-0.21	0.05	0.06	0.00	-0.01	0.01	CO 14	
				Min N	-2.47	▷	0.03	1.09	0.00	0.09	0.00	CO 5
				Max V _y	-0.21	▷	0.05	0.06	0.00	-0.01	0.01	CO 13
				Min V _y	-2.47	▷	0.03	1.09	0.00	0.09	0.00	CO 4
				Max V _z	-2.46	▷	0.03	1.10	0.00	0.09	0.00	CO 2
				Min V _z	-0.21	▷	0.05	0.06	0.00	-0.01	0.01	CO 11
				Max M _T	-2.47	▷	0.03	1.09	0.00	0.09	0.00	CO 3
				Min M _T	-0.21	0.05	0.06	▷	-0.01	0.01	CO 14	
				Max M _y	-2.47	0.03	1.09	0.00	0.09	0.00	CO 1	
				Min M _y	-0.21	0.05	0.06	▷	-0.01	0.01	CO 12	
				Max M _z	-0.21	0.05	0.06	0.00	-0.01	▷	0.01	CO 13
				Min M _z	-2.47	0.03	1.09	0.00	0.09	▷	0.00	CO 4
				Max N	-0.55	0.05	0.53	0.00	0.20	-0.03	CO 14	
				Min N	-2.82	0.03	2.35	0.00	1.28	-0.02	CO 5	
				Max V _y	-0.55	▷	0.05	0.52	0.00	0.20	-0.03	CO 13
				Min V _y	-2.82	▷	0.03	2.35	0.00	1.29	-0.02	CO 4
				Max V _z	-2.81	▷	0.03	2.35	0.00	1.29	-0.02	CO 2
				Min V _z	-0.55	▷	0.05	0.52	0.00	0.20	-0.03	CO 11
				Max M _T	-2.82	▷	0.03	2.35	0.00	1.28	-0.02	CO 3
				Min M _T	-0.55	0.05	0.53	▷	0.00	0.20	-0.03	CO 14
				Max M _y	-2.81	0.03	2.35	0.00	1.29	-0.02	CO 2	
				Min M _y	-0.55	0.05	0.52	▷	0.00	0.20	-0.03	CO 11
				Max M _z	-2.82	0.03	2.35	0.00	1.29	▷	-0.02	CO 4
				Min M _z	-0.55	0.05	0.52	0.00	0.20	▷	-0.03	CO 13
				Max N	-0.55	▷	0.05	0.53	0.00	0.20	-0.03	CO 14
				Min N	-2.82	▷	0.03	2.35	0.00	1.28	-0.02	CO 5
				Max V _y	-0.55	▷	0.05	0.52	0.00	0.20	-0.03	CO 13
				Min V _y	-2.82	▷	0.03	2.35	0.00	1.29	-0.02	CO 4
				Max V _z	-2.81	▷	0.03	2.35	0.00	1.29	-0.02	CO 2
				Min V _z	-0.55	▷	0.05	0.52	0.00	0.20	-0.03	CO 11
				Max M _T	-2.82	▷	0.03	2.35	0.00	1.28	-0.02	CO 3
				Min M _T	-0.55	0.05	0.53	▷	0.00	0.20	-0.03	CO 14
				Max M _y	-2.81	0.03	2.35	0.00	1.29	-0.02	CO 2	
				Min M _y	-0.55	0.05	0.52	▷	0.00	0.20	-0.03	CO 11
				Max M _z	-2.82	0.03	2.35	0.00	1.29	▷	-0.02	CO 4
				Min M _z	-0.55	0.05	0.52	0.00	0.20	▷	-0.03	CO 13
				Max N	-0.10	0.04	-0.02	0.00	-0.01	0.01	CO 28	
				Min N	-1.78	0.02	0.71	0.00	-0.03	0.00	CO 19	
				Max V _y	-0.10	▷	0.04	-0.02	0.00	-0.01	0.01	CO 27
				Min V _y	-1.78	▷	0.02	0.71	0.00	-0.03	0.00	CO 18
				Max V _z	-1.78	▷	0.02	0.71	0.00	-0.03	0.00	CO 16
				Min V _z	-0.10	▷	0.04	-0.02	0.00	-0.01	0.01	CO 25
				Max M _T	-1.78	▷	0.02	0.71	0.00	-0.03	0.00	CO 17
				Min M _T	-0.10	▷	0.04	-0.02	0.00	-0.01	0.01	CO 28
				Max M _y	-0.10	▷	0.04	-0.02	0.00	-0.01	0.01	CO 23
				Min M _y	-1.78	▷	0.02	0.71	0.00	-0.03	0.00	CO 22
				Max M _z	-0.10	▷	0.04	-0.02	0.00	-0.01	0.01	CO 27
				Min M _z	-1.78	▷	0.02	0.71	0.00	-0.03	0.00	CO 18
				Max N	-0.15	▷	0.04	0.04	0.00	-0.01	0.01	CO 28

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
201	RC2		Left	Min N	-1.82	0.02	0.80	0.00	0.06	0.00	CO 19	
				Max V _y	-0.15	0.04	0.04	0.00	-0.01	0.01	CO 27	
				Min V _y	-1.82	0.02	0.80	0.00	0.06	0.00	CO 18	
				Max V _z	-1.82	0.02	0.80	0.00	0.06	0.00	CO 16	
				Min V _z	-0.15	0.04	0.04	0.00	-0.01	0.01	CO 25	
				Max M _T	-1.82	0.02	0.80	0.00	0.06	0.00	CO 17	
				Min M _T	-0.15	0.04	0.04	0.00	-0.01	0.01	CO 28	
				Max M _y	-1.82	0.02	0.80	0.00	0.06	0.00	CO 15	
				Min M _y	-0.15	0.03	0.04	0.00	-0.01	0.01	CO 26	
				Max M _z	-0.15	0.04	0.04	0.00	-0.01	0.01	CO 27	
				Min M _z	-1.82	0.02	0.80	0.00	0.06	0.00	CO 18	
			0.128 Right	Max N	-0.15	0.04	0.04	0.00	-0.01	0.01	CO 28	
				Min N	-1.82	0.02	0.80	0.00	0.06	0.00	CO 19	
				Max V _y	-0.15	0.04	0.04	0.00	-0.01	0.01	CO 27	
				Min V _y	-1.82	0.02	0.80	0.00	0.06	0.00	CO 18	
				Max V _z	-1.82	0.02	0.80	0.00	0.06	0.00	CO 16	
				Min V _z	-0.15	0.04	0.04	0.00	-0.01	0.01	CO 25	
				Max M _T	-1.82	0.02	0.80	0.00	0.06	0.00	CO 17	
				Min M _T	-0.15	0.04	0.04	0.00	-0.01	0.01	CO 28	
				Max M _y	-1.82	0.02	0.80	0.00	0.06	0.00	CO 15	
				Min M _y	-0.15	0.03	0.04	0.00	-0.01	0.01	CO 26	
				Max M _z	-0.15	0.04	0.04	0.00	-0.01	0.01	CO 27	
			0.840 Left	Min M _z	-1.82	0.02	0.80	0.00	0.06	0.00	CO 18	
				Max N	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 28	
				Min N	-2.05	0.02	1.70	0.00	0.93	-0.02	CO 19	
				Max V _y	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 27	
				Min V _y	-2.05	0.02	1.70	0.00	0.93	-0.01	CO 18	
				Max V _z	-2.05	0.02	1.70	0.00	0.93	-0.01	CO 16	
				Min V _z	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 25	
				Max M _T	-2.05	0.02	1.70	0.00	0.93	-0.02	CO 17	
				Min M _T	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 28	
				Max M _y	-2.05	0.02	1.70	0.00	0.93	-0.01	CO 16	
				Min M _y	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 25	
				Max M _z	-2.05	0.02	1.70	0.00	0.93	-0.01	CO 18	
			132	0.840 Right	Min M _z	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 27
					Max N	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 28
					Min N	-2.05	0.02	1.70	0.00	0.93	-0.02	CO 19
					Max V _y	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 27
					Min V _y	-2.05	0.02	1.70	0.00	0.93	-0.01	CO 18
					Max V _z	-2.05	0.02	1.70	0.00	0.93	-0.01	CO 16
					Min V _z	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 25
					Max M _T	-2.05	0.02	1.70	0.00	0.93	-0.02	CO 17
					Min M _T	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 28
					Max M _y	-2.05	0.02	1.70	0.00	0.93	-0.01	CO 16
					Min M _y	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 25
					Max M _z	-2.05	0.02	1.70	0.00	0.93	-0.01	CO 18
	RC6	131	0.000 Left	Min M _z	-0.38	0.04	0.35	0.00	0.13	-0.02	CO 27	
				Max N	0.08	0.14	1.00	0.00	-0.02	0.05	LC 1-4	
				Min N	-3.58	-0.09	0.37	0.00	-0.03	-0.04	LC 1-5	
				Max V _y	-0.56	0.18	0.48	0.00	-0.02	0.07	LC 1-5	
				Min V _y	-2.94	-0.13	0.88	0.00	-0.03	-0.06	LC 1-4	
				Max V _z	-0.58	-0.01	1.44	0.00	-0.02	-0.01	LC 1-4	
				Min V _z	-2.92	0.07	-0.08	0.00	-0.03	0.03	LC 1-5	
				Max M _T	-2.27	0.03	0.63	0.00	-0.02	0.01	LC 1-5	
				Min M _T	-1.23	0.02	0.73	-0.00	-0.03	0.01	LC 1-4	
				Max M _y	-0.99	0.07	1.04	0.00	-0.01	0.02	LC 1-5	
				Min M _y	-2.51	-0.01	0.32	-0.00	-0.04	-0.01	LC 1-4	
				Max M _z	-0.64	0.18	0.44	0.00	-0.02	0.07	LC 1-5	
			0.000 Right	Min M _z	-2.86	-0.13	0.92	0.00	-0.03	-0.06	LC 1-4	
				Max N	0.08	0.14	1.00	0.00	-0.02	0.05	LC 1-4	
				Min N	-3.58	-0.09	0.37	0.00	-0.03	-0.04	LC 1-5	
				Max V _y	-0.56	0.18	0.48	0.00	-0.02	0.07	LC 1-5	
				Min V _y	-2.94	-0.13	0.88	0.00	-0.03	-0.06	LC 1-4	
				Max V _z	-0.58	-0.01	1.44	0.00	-0.02	-0.01	LC 1-4	
				Min V _z	-2.92	0.07	-0.08	0.00	-0.03	0.03	LC 1-5	
				Max M _T	-2.27	0.03	0.63	0.00	-0.02	0.01	LC 1-5	
				Min M _T	-1.23	0.02	0.73	-0.00	-0.03	0.01	LC 1-4	
				Max M _y	-0.99	0.07	1.04	0.00	-0.01	0.02	LC 1-5	
				Min M _y	-2.51	-0.01	0.32	-0.00	-0.04	-0.01	LC 1-4	
				Max M _z	-0.64	0.18	0.44	0.00	-0.02	0.07	LC 1-5	
			0.128 Left	Min M _z	-2.86	-0.13	0.92	0.00	-0.03	-0.06	LC 1-4	
				Max N	0.08	0.14	1.03	0.00	0.11	0.03	LC 1-4	
				Min N	-3.59	-0.09	0.40	0.00	0.02	-0.03	LC 1-5	
				Max V _y	-0.56	0.18	0.52	0.00	0.04	0.05	LC 1-5	
				Min V _y	-2.94	-0.13	0.91	0.00	0.08	-0.04	LC 1-4	
				Max V _z	-0.58	-0.01	1.48	0.00	0.17	-0.01	LC 1-4	
				Min V _z	-2.93	0.07	-0.05	0.00	-0.04	0.02	LC 1-5	
				Max M _T	-2.27	0.03	0.66	0.00	0.07	0.00	LC 1-5	
				Min M _T	-1.23	0.02	0.77	-0.00	0.06	0.00	LC 1-4	
				Max M _y	-0.56	-0.01	1.47	0.00	0.17	-0.01	LC 1-4	
				Min M _y	-2.95	0.06	-0.04	0.00	-0.04	0.02	LC 1-5	
				Max M _z	-0.67	0.18	0.46	0.00	0.03	0.05	LC 1-5	
			0.128 Right	Min M _z	-2.83	-0.13	0.97	0.00	0.09	-0.04	LC 1-4	
				Max N	0.08	0.14	1.03	0.00	0.11	0.03	LC 1-4	
				Min N	-3.59	-0.09	0.40	0.00	0.02	-0.03	LC 1-5	
				Max V _y	-0.56	0.18	0.52	0.00	0.04	0.05	LC 1-5	
				Min V _y	-2.94	-0.13	0.91	0.00	0.08	-0.04	LC 1-4	
				Max V _z	-0.58	-0.01	1.48	0.00	0.17	-0.01	LC 1-4	
				Min V _z	-2.93	0.07	-0.05	0.00	-0.04	0.02	LC 1-5	
				Max M _T	-2.27	0.03	0.66	0.00	0.07	0.00	LC 1-5	
				Min M _T	-1.23	0.02	0.77	-0.00	0.06	0.00	LC 1-4	
				Max M _y	-0.56	-0.01	1.47	0.00	0.17	-0.01	LC 1-4	
				Min M _y	-2.95	0.06	-0.04	0.00	-0.04	0.02	LC 1-5	
				Max M _z	-0.67	0.18	0.46	0.00	0.03	0.05	LC 1-5	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
201	RC6	132	0.840 Left	Min M _y	-2.95	0.06	-0.04	0.00	-0.04	0.02	LC 1-5
				Max M _z	-0.67	0.18	0.46	0.00	0.03	0.05	LC 1-5
				Min M _z	-2.83	-0.13	0.97	0.00	0.09	-0.04	LC 1-4
				Max N	0.06	0.14	1.64	0.00	1.04	-0.07	LC 1-4
				Min N	-3.60	-0.09	1.01	0.00	0.50	0.04	LC 1-5
				Max V _y	-0.58	0.18	1.13	0.00	0.61	-0.09	LC 1-5
				Min V _y	-2.96	-0.13	1.53	0.00	0.93	0.05	LC 1-4
				Max V _z	-0.59	-0.01	2.09	0.00	1.42	-0.00	LC 1-4
				Min V _z	-2.94	0.07	0.57	0.00	0.12	-0.03	LC 1-5
				Max M _T	-2.29	0.03	1.28	0.00	0.73	-0.02	LC 1-5
				Min M _T	-1.25	0.02	1.38	-0.00	0.80	-0.01	LC 1-4
				Max M _y	-0.59	-0.01	2.09	0.00	1.42	-0.00	LC 1-4
				Min M _y	-2.95	0.07	0.57	0.00	0.12	-0.03	LC 1-5
				Max M _z	-3.03	-0.13	1.49	0.00	0.90	0.05	LC 1-4
				Min M _z	-0.51	0.18	1.17	0.00	0.64	-0.09	LC 1-5
			0.840 Right	Max N	0.06	0.14	1.64	0.00	1.04	-0.07	LC 1-4
				Min N	-3.60	-0.09	1.02	0.00	0.50	0.04	LC 1-5
				Max V _y	-0.58	0.18	1.13	0.00	0.61	-0.09	LC 1-5
				Min V _y	-2.96	-0.13	1.53	0.00	0.93	0.05	LC 1-4
				Max V _z	-0.59	-0.01	2.09	0.00	1.42	-0.00	LC 1-4
				Min V _z	-2.94	0.07	0.57	0.00	0.12	-0.03	LC 1-5
				Max M _T	-2.29	0.03	1.28	0.00	0.73	-0.02	LC 1-5
				Min M _T	-1.25	0.02	1.38	-0.00	0.80	-0.01	LC 1-4
				Max M _y	-0.59	-0.01	2.09	0.00	1.42	-0.00	LC 1-4
				Min M _y	-2.95	0.07	0.57	0.00	0.12	-0.03	LC 1-5
				Max M _z	-3.03	-0.13	1.49	0.00	0.90	0.05	LC 1-4
				Min M _z	-0.51	0.18	1.17	0.00	0.64	-0.09	LC 1-5
204	RC1	133	0.000	Max N	0.26	0.00	-0.44	-0.00	-0.02	0.01	CO 11
				Min N	-0.71	0.02	-0.30	0.00	-0.06	0.02	CO 2
				Max V _y	-0.70	0.02	-0.30	0.00	-0.06	0.02	CO 7
				Min V _y	0.26	0.00	-0.44	-0.00	-0.02	0.01	CO 10
				Max V _z	-0.70	0.02	-0.30	0.00	-0.06	0.02	CO 1
				Min V _z	0.26	0.00	-0.44	-0.00	-0.02	0.01	CO 11
				Max M _T	-0.70	0.02	-0.30	0.00	-0.06	0.02	CO 4
				Min M _T	0.26	0.00	-0.44	-0.00	-0.02	0.01	CO 13
				Max M _y	0.26	0.00	-0.44	-0.00	-0.02	0.01	CO 11
				Min M _y	-0.71	0.02	-0.30	0.00	-0.06	0.02	CO 2
				Max M _z	-0.70	0.02	-0.30	0.00	-0.06	0.02	CO 7
		134	1.845	Min M _z	0.26	0.00	-0.44	-0.00	-0.02	0.01	CO 10
				Max N	-0.55	0.00	0.83	-0.00	0.34	-0.00	CO 11
				Min N	-1.52	0.02	0.97	0.00	0.56	-0.01	CO 2
				Max V _y	-1.52	0.02	0.97	0.00	0.56	-0.01	CO 7
				Min V _y	-0.55	0.00	0.83	-0.00	0.34	0.00	CO 10
				Max V _z	-1.52	0.02	0.97	0.00	0.56	-0.01	CO 1
				Min V _z	-0.55	0.00	0.83	-0.00	0.34	-0.00	CO 11
				Max M _T	-1.52	0.02	0.97	0.00	0.56	-0.01	CO 4
				Min M _T	-0.55	0.00	0.83	-0.00	0.34	-0.00	CO 13
				Max M _y	-1.52	0.02	0.97	0.00	0.56	-0.01	CO 1
				Min M _y	-0.55	0.00	0.83	-0.00	0.34	0.00	CO 12
				Max M _z	-0.55	0.00	0.83	-0.00	0.34	0.00	CO 10
				Min M _z	-1.52	0.02	0.97	0.00	0.56	-0.01	CO 7
	RC2	133	0.000	Max N	0.18	0.00	-0.30	-0.00	-0.01	0.00	CO 25
				Min N	-0.54	0.01	-0.19	0.00	-0.04	0.01	CO 16
				Max V _y	-0.54	0.01	-0.19	0.00	-0.04	0.01	CO 21
				Min V _y	0.18	0.00	-0.30	-0.00	-0.01	0.00	CO 24
				Max V _z	-0.54	0.01	-0.19	0.00	-0.04	0.01	CO 16
				Min V _z	0.18	0.00	-0.30	-0.00	-0.01	0.00	CO 25
				Max M _T	-0.54	0.01	-0.19	0.00	-0.04	0.01	CO 18
				Min M _T	0.18	0.00	-0.30	-0.00	-0.01	0.00	CO 27
				Max M _y	0.18	0.00	-0.30	-0.00	-0.01	0.00	CO 25
				Min M _y	-0.54	0.01	-0.19	0.00	-0.04	0.01	CO 16
				Max M _z	-0.54	0.01	-0.19	0.00	-0.04	0.01	CO 21
				Min M _z	0.18	0.00	-0.30	-0.00	-0.01	0.00	CO 24
		134	1.845	Max N	-0.37	0.00	0.55	-0.00	0.22	0.00	CO 25
				Min N	-1.09	0.01	0.65	0.00	0.38	-0.01	CO 16
				Max V _y	-1.09	0.01	0.65	0.00	0.38	-0.01	CO 21
				Min V _y	-0.37	0.00	0.55	-0.00	0.22	0.00	CO 24
				Max V _z	-1.09	0.01	0.65	0.00	0.38	-0.01	CO 16
				Min V _z	-0.37	0.00	0.55	-0.00	0.22	0.00	CO 25
				Max M _T	-1.09	0.01	0.65	0.00	0.38	-0.01	CO 18
				Min M _T	-0.37	0.00	0.55	-0.00	0.22	0.00	CO 27
				Max M _y	-1.09	0.01	0.65	0.00	0.38	-0.01	CO 15
				Min M _y	-0.37	0.00	0.55	-0.00	0.22	0.00	CO 26
				Max M _z	-0.37	0.00	0.55	-0.00	0.22	0.00	CO 24
				Min M _z	-1.09	0.01	0.65	0.00	0.38	-0.01	CO 21
204	RC6	133	0.000	Max N	0.13	-0.02	0.04	0.00	-0.04	-0.01	LC 1-5
				Min N	-1.52	0.02	0.05	0.00	-0.02	0.02	LC 1-4
				Max V _y	-1.34	0.04	0.09	0.00	-0.03	0.04	LC 1-4
				Min V _y	-0.05	-0.03	0.01	0.00	-0.03	-0.03	LC 1-5
				Max V _z	-1.01	0.03	0.10	0.00	-0.03	0.03	LC 1-4
				Min V _z	-0.38	-0.03	0.00	0.00	-0.03	-0.02	LC 1-5
				Max M _T	-0.10	-0.00	0.06	0.00	-0.04	0.00	LC 1-4
				Min M _T	-1.29	0.01	0.03	0.00	-0.02	0.01	LC 1-5
				Max M _y	-1.32	0.01	0.04	0.00	-0.02	0.01	LC 1-5
				Min M _y	-0.07	-0.00	0.06	0.00	-0.04	-0.00	LC 1-4
				Max M _z	-1.35	0.04	0.09	0.00	-0.03	0.04	LC 1-4
				Min M _z	-0.04	-0.03	0.01	0.00	-0.03	-0.03	LC 1-5
		134	1.845	Max N	0.09	-0.02	0.10	0.00	0.09	0.02	LC 1-5
				Min N	-1.55	0.02	0.11	0.00	0.13	-0.02	LC 1-4
				Max V _y	-1.38	0.04	0.14	0.00	0.18	-0.03	LC 1-4
				Min V _y	-0.08	-0.03	0.07	0.00	0.04	0.03	LC 1-5
				Max V _z	-1.05	0.03	0.15	0.00	0.19	-0.03	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
204	RC6			Min V _z	-0.41	-0.03	0.06	0.00	0.02	0.03	LC 1-5
				Max M _T	-0.14	-0.00	0.12	0.00	0.13	0.00	LC 1-4
				Min M _T	-1.32	0.01	0.09	0.00	0.09	-0.00	LC 1-5
				Max M _y	-1.10	0.03	0.15	0.00	0.19	-0.03	LC 1-4
				Min M _y	-0.36	-0.03	0.06	0.00	0.02	0.03	LC 1-5
				Max M _z	-0.08	-0.03	0.07	0.00	0.04	0.03	LC 1-5
				Min M _z	-1.38	0.04	0.14	0.00	0.18	-0.03	LC 1-4
				Max N	0.12	-0.00	-0.70	-0.00	0.06	0.00	CO 14
				Min N	-0.35	0.00	-0.64	0.00	-0.01	0.00	CO 5
				Max V _y	-0.35	0.00	-0.64	0.00	-0.01	0.00	CO 1
				Min V _y	0.12	-0.00	-0.70	-0.00	0.06	-0.00	CO 12
				Max V _z	-0.35	0.00	-0.64	0.00	-0.01	0.00	CO 1
207	RC1	135	0.000	Min V _z	0.12	-0.00	-0.70	-0.00	0.06	-0.00	CO 12
				Max M _T	-0.35	0.00	-0.64	0.00	-0.01	0.00	CO 4
				Min M _T	0.12	-0.00	-0.70	-0.00	0.06	0.00	CO 13
				Max M _y	0.12	-0.00	-0.70	-0.00	0.06	-0.00	CO 12
				Min M _y	-0.35	0.00	-0.64	0.00	-0.01	0.00	CO 1
				Max M _z	-0.35	0.00	-0.64	0.00	-0.01	0.00	CO 1
				Min M _z	0.12	-0.00	-0.70	-0.00	0.06	-0.00	CO 12
				Max N	-1.10	-0.00	1.03	-0.00	0.49	0.00	CO 14
				Min N	-1.57	-0.00	1.09	0.00	0.58	0.00	CO 5
				Max V _y	-1.57	0.00	1.09	0.00	0.58	0.00	CO 1
				Min V _y	-1.11	-0.00	1.03	-0.00	0.49	0.00	CO 12
				Max V _z	-1.57	0.00	1.09	0.00	0.58	0.00	CO 1
		136	2.601	Min V _z	-1.11	-0.00	1.03	-0.00	0.49	0.00	CO 12
				Max M _T	-1.57	-0.00	1.09	0.00	0.58	0.00	CO 4
				Min M _T	-1.10	-0.00	1.03	-0.00	0.49	0.00	CO 13
				Max M _y	-1.57	0.00	1.09	0.00	0.58	0.00	CO 1
				Min M _y	-1.11	-0.00	1.03	-0.00	0.49	0.00	CO 12
				Max M _z	-1.11	-0.00	1.03	-0.00	0.49	0.00	CO 12
				Min M _z	-1.57	0.00	1.09	0.00	0.58	0.00	CO 1
				Max N	0.08	-0.00	-0.47	-0.00	0.04	-0.00	CO 28
				Min N	-0.27	0.00	-0.43	0.00	-0.01	0.00	CO 19
				Max V _y	-0.27	0.00	-0.43	0.00	-0.01	0.00	CO 15
				Min V _y	0.08	-0.00	-0.47	-0.00	0.04	-0.00	CO 26
		RC2	135	Max V _z	-0.27	0.00	-0.43	0.00	-0.01	0.00	CO 15
				Min V _z	0.08	-0.00	-0.47	-0.00	0.04	-0.00	CO 26
				Max M _T	-0.27	-0.00	-0.43	0.00	-0.01	0.00	CO 18
				Min M _T	0.08	-0.00	-0.47	-0.00	0.04	0.00	CO 27
				Max M _y	0.08	-0.00	-0.47	-0.00	0.04	-0.00	CO 26
				Min M _y	-0.27	0.00	-0.43	0.00	-0.01	0.00	CO 15
				Max M _z	-0.27	0.00	-0.43	0.00	-0.01	0.00	CO 15
				Min M _z	0.08	-0.00	-0.47	-0.00	0.04	-0.00	CO 26
				Max N	-0.74	-0.00	0.69	-0.00	0.32	0.00	CO 28
				Min N	-1.09	-0.00	0.73	0.00	0.39	0.00	CO 19
				Max V _y	-1.09	-0.00	0.73	0.00	0.39	0.00	CO 15
				Min V _y	-0.74	-0.00	0.69	-0.00	0.32	0.00	CO 26
		136	2.601	Max V _z	-1.09	-0.00	0.73	0.00	0.39	0.00	CO 15
				Min V _z	-0.74	-0.00	0.69	-0.00	0.32	0.00	CO 26
				Max M _T	-1.09	-0.00	0.73	0.00	0.39	0.00	CO 18
				Min M _T	-0.74	-0.00	0.69	-0.00	0.32	0.00	CO 27
				Max M _y	-1.09	-0.00	0.73	0.00	0.39	0.00	CO 15
				Min M _y	-0.74	-0.00	0.69	-0.00	0.32	0.00	CO 26
				Max M _z	-0.74	-0.00	0.69	-0.00	0.32	0.00	CO 26
				Min M _z	-1.09	-0.00	0.73	0.00	0.39	0.00	CO 15
				Max N	-1.43	-0.00	-0.01	0.00	-0.05	-0.00	LC 1-5
				Min N	-0.66	0.02	-0.00	0.00	-0.04	0.02	LC 1-4
		RC6	135	Max V _y	-0.06	-0.02	-0.04	0.00	-0.04	-0.03	LC 1-5
				Min V _y	-0.55	0.01	0.00	0.00	-0.06	0.01	LC 1-4
				Max V _z	-0.17	-0.01	-0.05	0.00	-0.02	-0.01	LC 1-5
				Min V _z	-0.42	0.01	-0.01	0.00	-0.04	0.01	LC 1-4
				Max M _T	-0.31	-0.02	-0.03	0.00	-0.04	-0.02	LC 1-5
				Min M _T	0.11	-0.00	-0.04	0.00	-0.01	0.00	LC 1-5
				Max M _y	-0.83	-0.00	-0.00	0.00	-0.07	-0.01	LC 1-4
				Min M _y	-0.63	0.02	-0.00	0.00	-0.04	0.02	LC 1-4
				Max M _z	-0.10	-0.02	-0.04	0.00	-0.04	-0.03	LC 1-5
				Min M _z	0.65	-0.00	0.05	0.00	0.00	0.01	LC 1-4
				Max N	-1.48	-0.00	0.06	0.00	0.01	-0.00	LC 1-5
				Min N	-0.72	0.02	0.07	0.00	0.05	-0.02	LC 1-4
210	RC1	137	0.000	Min V _y	-0.11	-0.02	0.04	0.00	-0.04	0.03	LC 1-5
				Max V _z	-0.61	0.01	0.08	0.00	0.05	-0.01	LC 1-4
				Min V _z	-0.22	-0.01	0.03	0.00	-0.04	0.02	LC 1-5
				Max M _T	-0.47	0.01	0.07	0.00	0.04	-0.01	LC 1-4
				Min M _T	-0.36	-0.02	0.04	0.00	-0.03	0.02	LC 1-5
				Max M _y	-0.70	0.02	0.08	0.00	0.06	-0.02	LC 1-4
				Min M _y	-0.13	-0.02	0.03	0.00	-0.04	0.03	LC 1-5
				Max M _z	-0.07	-0.02	0.04	0.00	-0.04	0.03	LC 1-5
				Min M _z	-0.76	0.02	0.07	0.00	0.05	-0.02	LC 1-4
		138	1.096	Max N	0.15	0.00	-0.18	-0.00	-0.00	0.00	CO 13
				Min N	-0.79	0.04	0.12	-0.00	-0.00	0.02	CO 4
				Max V _y	-0.79	0.04	0.11	-0.00	-0.00	0.02	CO 7
				Min V _y	0.15	0.00	-0.18	-0.00	-0.00	0.00	CO 10
				Max V _z	-0.79	0.04	0.12	-0.00	-0.00	0.02	CO 2
				Min V _z	0.15	0.00	-0.18	-0.00	-0.00	0.00	CO 11
				Max M _T	0.15	0.00	-0.18	-0.00	-0.00	0.00	CO 10
				Min M _T	-0.79	0.04	0.11	-0.00	-0.00	0.02	CO 7
				Max M _y	-0.79	0.04	0.11	-0.00	-0.00	0.02	CO 7
				Min M _y	0.15	0.00	-0.18	-0.00	-0.00	0.00	CO 10
				Max M _z	-0.79	0.04	0.11	-0.00	-0.00	0.02	CO 7
				Min M _z	0.15	0.00	-0.18	-0.00	-0.00	0.00	CO 10
				Max N	-0.26	0.00	0.61	-0.00	0.23	0.00	CO 13



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
210	RC1			Min N	-1.20	0.04	0.91	-0.00	0.56	-0.02	CO 4
				Max V _y	-1.20	0.04	0.91	-0.00	0.56	-0.02	CO 7
				Min V _y	-0.26	0.00	0.61	-0.00	0.23	0.00	CO 10
				Max V _z	-1.20	0.04	0.91	-0.00	0.56	-0.02	CO 2
				Min V _z	-0.26	0.00	0.61	-0.00	0.23	0.00	CO 11
				Max M _T	-0.26	0.00	0.61	-0.00	0.23	0.00	CO 10
				Min M _T	-1.20	0.04	0.91	-0.00	0.56	-0.02	CO 7
				Max M _y	-1.20	0.04	0.91	-0.00	0.56	-0.02	CO 2
				Min M _y	-0.26	0.00	0.61	-0.00	0.23	0.00	CO 11
				Max M _z	-0.26	0.00	0.61	-0.00	0.23	0.00	CO 10
				Min M _z	-1.20	0.04	0.91	-0.00	0.56	-0.02	CO 7
	RC2	137	0.000	Max N	0.10	0.00	-0.12	-0.00	-0.00	0.00	CO 27
				Min N	-0.60	0.03	0.10	-0.00	-0.00	0.01	CO 18
				Max V _y	-0.60	0.03	0.10	-0.00	-0.00	0.01	CO 21
				Min V _y	0.10	-0.00	-0.12	-0.00	-0.00	0.00	CO 24
				Max V _z	-0.60	0.03	0.10	-0.00	-0.00	0.01	CO 16
				Min V _z	0.10	-0.00	-0.12	-0.00	-0.00	0.00	CO 25
				Max M _T	0.10	-0.00	-0.12	-0.00	-0.00	0.00	CO 24
				Min M _T	-0.60	0.03	0.10	-0.00	-0.00	0.01	CO 21
				Max M _y	-0.60	0.03	0.10	-0.00	-0.00	0.01	CO 21
				Min M _y	0.10	-0.00	-0.12	-0.00	-0.00	0.00	CO 24
				Max M _z	-0.60	0.03	0.10	-0.00	-0.00	0.01	CO 21
				Min M _z	0.10	-0.00	-0.12	-0.00	-0.00	0.00	CO 24
		138	1.096	Max N	-0.18	0.00	0.41	-0.00	-0.00	0.15	CO 27
				Min N	-0.87	0.03	0.63	-0.00	0.40	-0.02	CO 18
				Max V _y	-0.87	0.03	0.63	-0.00	0.40	-0.02	CO 21
				Min V _y	-0.18	-0.00	0.41	-0.00	0.15	0.00	CO 24
				Max V _z	-0.87	0.03	0.63	-0.00	0.40	-0.02	CO 16
				Min V _z	-0.18	0.00	0.41	-0.00	0.15	0.00	CO 25
				Max M _T	-0.18	-0.00	0.41	-0.00	0.15	0.00	CO 24
				Min M _T	-0.87	0.03	0.63	-0.00	0.40	-0.02	CO 21
				Max M _y	-0.87	0.03	0.63	-0.00	0.40	-0.02	CO 16
				Min M _y	-0.18	0.00	0.41	-0.00	0.15	0.00	CO 25
				Max M _z	-0.18	-0.00	0.41	-0.00	0.15	0.00	CO 24
				Min M _z	-0.87	0.03	0.63	-0.00	0.40	-0.02	CO 21
	RC6	137	0.000	Max N	0.31	-0.01	0.22	0.00	-0.01	-0.01	LC 1-4
				Min N	-1.76	0.03	0.17	-0.00	0.01	0.01	LC 1-5
				Max V _y	-1.40	0.06	0.25	-0.00	0.01	0.03	LC 1-4
				Min V _y	-0.06	-0.04	0.14	-0.00	-0.01	-0.02	LC 1-5
				Max V _z	-0.86	0.05	0.26	-0.00	0.01	0.02	LC 1-5
				Min V _z	-0.60	-0.03	0.12	-0.00	-0.01	-0.02	LC 1-4
				Max M _T	0.11	-0.01	0.19	0.00	-0.01	-0.01	LC 1-4
				Min M _T	-1.57	0.03	0.20	-0.00	0.01	0.02	LC 1-5
				Max M _y	-1.39	0.06	0.25	-0.00	0.01	0.03	LC 1-4
				Min M _y	-0.06	-0.04	0.14	0.00	-0.01	-0.02	LC 1-5
				Max M _z	-1.43	0.06	0.24	-0.00	0.01	0.03	LC 1-4
				Min M _z	-0.03	-0.04	0.15	-0.00	-0.01	-0.02	LC 1-5
		138	1.096	Max N	0.29	-0.01	0.25	0.00	0.25	0.01	LC 1-4
				Min N	-1.78	0.03	0.21	-0.00	0.21	-0.02	LC 1-5
				Max V _y	-1.42	0.06	0.28	-0.00	0.30	-0.04	LC 1-4
				Min V _y	-0.08	-0.04	0.18	-0.00	0.16	0.02	LC 1-5
				Max V _z	-0.88	0.05	0.30	-0.00	0.32	-0.03	LC 1-5
				Min V _z	-0.61	-0.03	0.16	-0.00	0.15	0.02	LC 1-4
				Max M _T	0.09	-0.01	0.23	0.00	0.22	0.01	LC 1-4
				Min M _T	-1.58	0.03	0.23	-0.00	0.24	-0.02	LC 1-5
				Max M _y	-0.94	0.05	0.30	-0.00	0.32	-0.03	LC 1-5
				Min M _y	-0.56	-0.03	0.16	-0.00	0.14	0.02	LC 1-4
				Max M _z	-0.10	-0.04	0.18	-0.00	0.16	0.02	LC 1-5
				Min M _z	-1.39	0.06	0.28	-0.00	0.30	-0.04	LC 1-4
213	RC1	101	0.000 Left	Max N	2.55	0.01	-0.71	0.00	0.24	0.03	CO 9
				Min N	-8.81	0.01	-1.49	0.00	0.77	0.06	CO 8
				Max V _y	-2.55	0.01	-0.71	0.00	0.24	0.03	CO 9
				Min V _y	-8.81	0.01	-1.49	0.00	0.77	0.06	CO 8
				Max V _z	-2.65	0.01	-0.71	0.00	0.24	0.03	CO 13
				Min V _z	-8.73	0.01	-1.49	0.00	0.77	0.06	CO 6
				Max M _T	-8.71	0.01	-1.49	0.00	0.77	0.06	CO 4
				Min M _T	-2.66	0.01	-0.71	0.00	0.24	0.03	CO 14
				Max M _y	-8.73	0.01	-1.49	0.00	0.77	0.06	CO 6
				Min M _y	-2.65	0.01	-0.71	0.00	0.24	0.03	CO 13
				Max M _z	-8.78	0.01	-1.49	0.00	0.77	0.06	CO 1
				Min M _z	-2.58	0.01	-0.71	0.00	0.24	0.03	CO 12
			0.000 Right	Max N	-2.55	0.01	-0.71	0.00	0.24	0.03	CO 9
				Min N	-8.81	0.01	-1.49	0.00	0.77	0.06	CO 8
				Max V _y	-2.55	0.01	-0.71	0.00	0.24	0.03	CO 9
				Min V _y	-8.81	0.01	-1.49	0.00	0.77	0.06	CO 8
				Max V _z	-2.65	0.01	-0.71	0.00	0.24	0.03	CO 13
				Min V _z	-8.73	0.01	-1.49	0.00	0.77	0.06	CO 6
				Max M _T	-8.71	0.01	-1.49	0.00	0.77	0.06	CO 4
				Min M _T	-2.66	0.01	-0.71	0.00	0.24	0.03	CO 14
				Max M _y	-8.73	0.01	-1.49	0.00	0.77	0.06	CO 6
				Min M _y	-2.65	0.01	-0.71	0.00	0.24	0.03	CO 13
				Max M _z	-8.78	0.01	-1.49	0.00	0.77	0.06	CO 1
				Min M _z	-2.58	0.01	-0.71	0.00	0.24	0.03	CO 12
			0.464 Left	Max N	-2.76	0.01	-0.39	0.00	-0.02	0.03	CO 9
				Min N	-9.02	0.02	-0.98	0.01	0.18	0.05	CO 8
				Max V _y	-8.91	0.02	-0.98	0.01	0.18	0.05	CO 3
				Min V _y	-2.79	0.01	-0.39	0.00	-0.02	0.03	CO 12
				Max V _z	-2.86	0.01	-0.39	0.00	-0.02	0.03	CO 13
				Min V _z	-8.94	0.02	-0.98	0.01	0.18	0.05	CO 6
				Max M _T	-8.91	0.02	-0.98	0.01	0.18	0.05	CO 3
				Min M _T	-2.86	0.01	-0.39	0.00	-0.02	0.03	CO 14
				Max M _y	-8.94	0.02	-0.98	0.01	0.18	0.05	CO 6

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
213	RC1		0.464 Right	Min M _y	-2.86	0.01	-0.39	0.00	-0.02	0.03	CO 13
				Max M _z	-8.99	0.02	-0.98	0.01	0.18	0.05	CO 1
				Min M _z	-2.79	0.01	-0.39	0.00	-0.02	0.03	CO 12
				Max N	-2.76	0.01	-0.39	0.00	-0.02	0.03	CO 9
				Min N	-9.02	0.02	-0.98	0.01	0.18	0.05	CO 8
				Max V _y	-8.91	0.02	-0.98	0.01	0.18	0.05	CO 3
				Min V _y	-2.79	0.01	-0.39	0.00	-0.02	0.03	CO 12
				Max V _z	-2.86	0.01	-0.39	0.00	-0.02	0.03	CO 13
				Min V _z	-8.94	0.02	-0.98	0.01	0.18	0.05	CO 6
				Max M _T	-8.91	0.02	-0.98	0.01	0.18	0.05	CO 3
				Min M _T	-2.86	0.01	-0.39	0.00	-0.02	0.03	CO 14
				Max M _y	-8.94	0.02	-0.98	0.01	0.18	0.05	CO 6
				Min M _y	-2.86	0.01	-0.39	0.00	-0.02	0.03	CO 13
				Max M _z	-8.99	0.02	-0.98	0.01	0.18	0.05	CO 1
				Min M _z	-2.79	0.01	-0.39	0.00	-0.02	0.03	CO 12
				Max N	-3.37	0.01	0.54	0.00	0.08	0.01	CO 9
				Min N	-9.62	0.03	1.23	0.01	0.35	0.02	CO 8
				Max V _y	-9.62	0.03	1.23	0.01	0.35	0.02	CO 7
				Min V _y	-3.38	0.01	0.54	0.00	0.08	0.01	CO 10
				Max V _z	-9.59	0.03	1.23	0.01	0.35	0.02	CO 1
				Min V _z	-3.40	0.01	0.54	0.00	0.08	0.01	CO 12
				Max M _T	-9.52	0.03	1.23	0.01	0.35	0.02	CO 3
				Min M _T	-3.47	0.01	0.54	0.00	0.08	0.01	CO 14
				Max M _y	-9.59	0.03	1.23	0.01	0.35	0.02	CO 1
				Min M _y	-3.40	0.01	0.54	0.00	0.08	0.01	CO 12
				Max M _z	-9.62	0.03	1.23	0.01	0.35	0.02	CO 8
				Min M _z	-3.40	0.01	0.54	0.00	0.08	0.01	CO 12
		165	1.832 Right	Max N	-3.37	0.01	0.54	0.00	0.08	0.01	CO 9
				Min N	-9.62	0.03	1.23	0.01	0.35	0.02	CO 8
				Max V _y	-9.62	0.03	1.23	0.01	0.35	0.02	CO 7
				Min V _y	-3.38	0.01	0.54	0.00	0.08	0.01	CO 10
				Max V _z	-9.59	0.03	1.23	0.01	0.35	0.02	CO 1
				Min V _z	-3.40	0.01	0.54	0.00	0.08	0.01	CO 12
				Max M _T	-9.52	0.03	1.23	0.01	0.35	0.02	CO 3
				Min M _T	-3.47	0.01	0.54	0.00	0.08	0.01	CO 14
				Max M _y	-9.59	0.03	1.23	0.01	0.35	0.02	CO 1
				Min M _y	-3.40	0.01	0.54	0.00	0.08	0.01	CO 12
				Max M _z	-9.62	0.03	1.23	0.01	0.35	0.02	CO 8
				Min M _z	-3.40	0.01	0.54	0.00	0.08	0.01	CO 12
	RC2	101	0.000 Left	Max N	-1.91	0.01	-0.47	0.00	0.15	0.02	CO 23
				Min N	-6.56	0.01	-1.06	0.00	0.55	0.04	CO 22
				Max V _y	-6.48	0.01	-1.06	0.00	0.55	0.04	CO 17
				Min V _y	-1.99	0.01	-0.47	0.00	0.15	0.02	CO 28
				Max V _z	-1.98	0.01	-0.47	0.00	0.15	0.02	CO 27
				Min V _z	-6.50	0.01	-1.06	0.00	0.55	0.04	CO 20
				Max M _T	-6.48	0.01	-1.06	0.00	0.55	0.04	CO 17
				Min M _T	-1.99	0.01	-0.47	0.00	0.15	0.02	CO 28
				Max M _y	-6.50	0.01	-1.06	0.00	0.55	0.04	CO 20
				Min M _y	-1.98	0.01	-0.47	0.00	0.15	0.02	CO 27
				Max M _z	-6.54	0.01	-1.06	0.00	0.55	0.04	CO 15
				Min M _z	-1.93	0.01	-0.47	0.00	0.16	0.02	CO 26
			0.000 Right	Max N	-1.91	0.01	-0.47	0.00	0.15	0.02	CO 23
				Min N	-6.56	0.01	-1.06	0.00	0.55	0.04	CO 22
				Max V _y	-6.48	0.01	-1.06	0.00	0.55	0.04	CO 17
				Min V _y	-1.99	0.01	-0.47	0.00	0.15	0.02	CO 28
				Max V _z	-1.98	0.01	-0.47	0.00	0.15	0.02	CO 27
				Min V _z	-6.50	0.01	-1.06	0.00	0.55	0.04	CO 20
				Max M _T	-6.48	0.01	-1.06	0.00	0.55	0.04	CO 17
				Min M _T	-1.99	0.01	-0.47	0.00	0.15	0.02	CO 28
				Max M _y	-6.50	0.01	-1.06	0.00	0.55	0.04	CO 20
				Min M _y	-1.98	0.01	-0.47	0.00	0.15	0.02	CO 27
				Max M _z	-6.54	0.01	-1.06	0.00	0.55	0.04	CO 15
				Min M _z	-1.93	0.01	-0.47	0.00	0.16	0.02	CO 26
			0.464 Left	Max N	-2.05	0.01	-0.26	0.00	-0.02	0.02	CO 23
				Min N	-6.69	0.01	-0.69	0.00	0.13	0.04	CO 22
				Max V _y	-6.61	0.01	-0.69	0.00	0.13	0.04	CO 17
				Min V _y	-2.07	0.01	-0.26	0.00	-0.02	0.02	CO 26
				Max V _z	-2.12	0.01	-0.26	0.00	-0.02	0.02	CO 27
				Min V _z	-6.63	0.01	-0.70	0.00	0.13	0.04	CO 20
				Max M _T	-6.61	0.01	-0.69	0.00	0.13	0.04	CO 17
				Min M _T	-2.13	0.01	-0.26	0.00	-0.02	0.02	CO 28
				Max M _y	-6.63	0.01	-0.70	0.00	0.13	0.04	CO 20
				Min M _y	-2.12	0.01	-0.26	0.00	-0.02	0.02	CO 27
				Max M _z	-6.67	0.01	-0.69	0.00	0.13	0.04	CO 15
				Min M _z	-2.07	0.01	-0.26	0.00	-0.02	0.02	CO 26
			0.464 Right	Max N	-2.05	0.01	-0.26	0.00	-0.02	0.02	CO 23
				Min N	-6.69	0.01	-0.69	0.00	0.13	0.04	CO 22
				Max V _y	-6.61	0.01	-0.69	0.00	0.13	0.04	CO 17
				Min V _y	-2.07	0.01	-0.26	0.00	-0.02	0.02	CO 26
				Max V _z	-2.12	0.01	-0.26	0.00	-0.02	0.02	CO 27
				Min V _z	-6.63	0.01	-0.70	0.00	0.13	0.04	CO 20
				Max M _T	-6.61	0.01	-0.69	0.00	0.13	0.04	CO 17
				Min M _T	-2.13	0.01	-0.26	0.00	-0.02	0.02	CO 28
				Max M _y	-6.63	0.01	-0.70	0.00	0.13	0.04	CO 20
				Min M _y	-2.12	0.01	-0.26	0.00	-0.02	0.02	CO 27
				Max M _z	-6.67	0.01	-0.69	0.00	0.13	0.04	CO 15
				Min M _z	-2.07	0.01	-0.26	0.00	-0.02	0.02	CO 26
			1.832 Left	Max N	-2.46	0.01	0.37	0.00	0.06	0.00	CO 23
				Min N	-7.10	0.02	0.88	0.00	0.26	0.01	CO 22
				Max V _y	-7.10	0.02	0.88	0.00	0.26	0.01	CO 21
				Min V _y	-2.48	0.01	0.37	0.00	0.06	0.00	CO 26
				Max V _z	-7.08	0.02	0.88	0.00	0.26	0.01	CO 15

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding		
				N	V _y	V _z	M _T	M _y	M _z	Load Cases			
213	RC2	165	1.832 Right	Min V _z	-2.48	0.01	▷ 0.37	0.00	0.06	0.00	CO 26		
				Max M _T	-7.08	0.02	▷ 0.88	0.00	0.26	0.01	CO 15		
				Min M _T	-2.53	0.01	▷ 0.37	0.00	0.06	0.00	CO 28		
				Max M _y	-7.08	0.02	▷ 0.88	0.00	0.26	0.01	CO 15		
				Min M _y	-2.48	0.01	▷ 0.37	0.00	0.06	0.00	CO 26		
				Max M _z	-7.10	0.02	▷ 0.88	0.00	0.26	0.01	CO 21		
				Min M _z	-2.48	0.01	▷ 0.37	0.00	0.06	0.00	CO 26		
				Max N	-2.46	0.01	▷ 0.37	0.00	0.06	0.00	CO 23		
				Min N	-7.10	0.02	▷ 0.88	0.00	0.26	0.01	CO 22		
				Max V _y	-7.10	▷ 0.02	▷ 0.88	0.00	0.26	0.01	CO 21		
				Min V _y	-2.48	▷ 0.01	▷ 0.37	0.00	0.06	0.00	CO 26		
				Max V _z	-7.08	▷ 0.02	▷ 0.88	0.00	0.26	0.01	CO 15		
				Min V _z	-2.48	▷ 0.01	▷ 0.37	0.00	0.06	0.00	CO 26		
				Max M _T	-7.08	0.02	▷ 0.88	0.00	0.26	0.01	CO 15		
				Min M _T	-2.53	0.01	▷ 0.37	0.00	0.06	0.00	CO 28		
				Max M _y	-7.08	0.02	▷ 0.88	0.00	0.26	0.01	CO 15		
				Min M _y	-2.48	0.01	▷ 0.37	0.00	0.06	0.00	CO 26		
				Max M _z	-7.10	0.02	▷ 0.88	0.00	0.26	▷ 0.01	CO 21		
				Min M _z	-2.48	0.01	▷ 0.37	0.00	0.06	▷ 0.00	CO 26		
	RC6	101	0.000 Left	Max N	-2.64	0.20	-0.63	0.00	0.38	0.20	LC 1-4		
				Min N	-11.79	-0.17	-0.53	0.00	0.35	-0.13	LC 1-5		
				Max V _y	-6.63	▷ 2.58	-0.57	0.00	0.37	2.34	LC 1-4		
				Min V _y	-7.80	▷ -2.55	-0.58	0.00	0.36	-2.27	LC 1-5		
				Max V _z	-11.10	▷ 0.11	-0.52	0.00	0.33	0.12	LC 1-4		
				Min V _z	-3.33	-0.08	▷ -0.63	0.00	0.40	-0.05	LC 1-5		
				Max M _T	-7.04	0.64	-0.59	▷ 0.01	0.43	0.59	LC 1-4		
				Min M _T	-7.40	-0.61	-0.56	▷ 0.00	0.31	-0.53	LC 1-5		
				Max M _y	-6.19	0.08	-0.61	▷ 0.01	0.44	0.09	LC 1-5		
				Min M _y	-8.25	-0.05	-0.55	▷ 0.00	0.29	-0.03	LC 1-4		
				Max M _z	-6.64	2.58	-0.57	0.00	0.37	2.34	LC 1-4		
				Min M _z	-7.80	-2.55	-0.58	0.00	0.37	▷ 2.34	LC 1-4		
			0.000 Right	Max N	-2.64	0.20	-0.63	0.00	0.38	0.20	LC 1-4		
				Min N	-11.79	-0.17	-0.53	0.00	0.35	-0.13	LC 1-5		
				Max V _y	-6.63	▷ 2.58	-0.57	0.00	0.37	2.34	LC 1-4		
				Min V _y	-7.80	▷ -2.55	-0.58	0.00	0.36	-2.27	LC 1-5		
				Max V _z	-11.10	▷ 0.11	-0.52	0.00	0.33	0.12	LC 1-4		
				Min V _z	-3.33	-0.08	▷ -0.63	0.00	0.40	-0.05	LC 1-5		
				Max M _T	-7.04	0.64	-0.59	▷ 0.01	0.43	0.59	LC 1-4		
				Min M _T	-7.40	-0.61	-0.56	▷ 0.00	0.31	-0.53	LC 1-5		
				Max M _y	-6.19	0.08	-0.61	▷ 0.01	0.44	0.09	LC 1-5		
				Min M _y	-8.25	-0.05	-0.55	▷ 0.00	0.29	-0.03	LC 1-4		
				Max M _z	-6.64	2.58	-0.57	0.00	0.37	▷ 2.34	LC 1-4		
				Min M _z	-7.80	-2.55	-0.58	0.00	0.36	-2.27	LC 1-5		
			0.464 Left	Max N	-2.65	0.20	-0.45	0.00	0.12	0.11	LC 1-4		
				Min N	-11.80	-0.17	-0.36	0.00	0.13	-0.05	LC 1-5		
				Max V _y	-6.64	▷ 2.58	-0.40	0.00	0.13	1.14	LC 1-4		
				Min V _y	-7.81	▷ -2.55	-0.41	0.00	0.12	-1.09	LC 1-5		
				Max V _z	-11.11	▷ 0.11	-0.35	0.00	0.12	0.07	LC 1-4		
				Min V _z	-3.34	-0.08	▷ -0.46	0.00	0.13	-0.01	LC 1-5		
				Max M _T	-7.05	0.64	-0.42	▷ 0.01	0.18	0.30	LC 1-4		
				Min M _T	-7.40	-0.61	-0.39	▷ 0.00	0.07	-0.24	LC 1-5		
				Max M _y	-7.60	0.18	-0.42	▷ 0.01	0.18	0.10	LC 1-5		
				Min M _y	-6.86	-0.15	-0.39	▷ 0.00	0.07	-0.05	LC 1-4		
				Max M _z	-6.66	2.58	-0.40	0.00	0.13	▷ 1.14	LC 1-4		
				Min M _z	-7.80	-2.55	-0.41	0.00	0.12	-1.09	LC 1-5		
			1.832 Left	Max N	-2.65	0.20	-0.45	0.00	0.12	0.11	LC 1-4		
				Min N	-11.80	-0.17	-0.36	0.00	0.13	-0.05	LC 1-5		
				Max V _y	-6.64	▷ 2.58	-0.40	0.00	0.13	1.14	LC 1-4		
				Min V _y	-7.81	▷ -2.55	-0.41	0.00	0.12	-1.09	LC 1-5		
				Max V _z	-11.11	▷ 0.11	-0.35	0.00	0.12	0.07	LC 1-4		
				Min V _z	-3.34	-0.08	▷ -0.46	0.00	0.13	-0.01	LC 1-5		
				Max M _T	-7.05	0.64	-0.42	▷ 0.01	0.18	0.30	LC 1-4		
				Min M _T	-7.40	-0.61	-0.39	▷ 0.00	0.07	-0.24	LC 1-5		
				Max M _y	-7.60	0.18	-0.42	▷ 0.01	0.18	0.10	LC 1-5		
				Min M _y	-6.86	-0.15	-0.39	▷ 0.00	0.07	-0.05	LC 1-4		
				Max M _z	-6.66	2.58	-0.40	0.00	0.13	▷ 1.14	LC 1-4		
				Min M _z	-7.80	-2.55	-0.41	0.00	0.12	-1.09	LC 1-5		
			165	1.832 Right	Max N	-2.68	0.20	-0.54	0.00	0.18	-0.17	LC 1-4	
					Min N	-11.83	-0.17	0.63	0.00	0.32	0.18	LC 1-5	
					Max V _y	-6.67	▷ 2.58	0.59	0.00	0.26	-2.39	LC 1-4	
					Min V _y	-7.84	▷ -2.55	0.58	0.00	0.24	2.40	LC 1-5	
					Max V _z	-11.14	▷ 0.11	0.64	0.00	0.31	-0.08	LC 1-4	
					Min V _z	-3.37	-0.08	▷ 0.53	0.00	0.18	0.09	LC 1-5	
					Max M _T	-7.08	0.64	▷ 0.57	0.01	0.27	-0.58	LC 1-4	
					Min M _T	-7.43	-0.61	▷ 0.60	0.00	0.22	0.59	LC 1-5	
					Max M _y	-11.12	0.16	▷ 0.63	0.00	0.33	-0.12	LC 1-4	
					Min M _y	-3.39	-0.13	▷ 0.54	0.00	0.16	0.14	LC 1-5	
					Max M _z	-7.84	-2.55	▷ 0.58	0.00	0.24	2.40	LC 1-4	
					Min M _z	-6.66	2.58	▷ 0.59	0.00	0.25	-2.39	LC 1-5	
214			RC1	140	0.000	Max N	-5.01	0.02	-0.53	-0.00	0.08	0.02	CO 13



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z				
214	RC1			Min N	▷ -8.81	0.03	-0.58	0.00	0.22	0.03	CO 6		
				Max V _y	▷ -8.81	0.03	-0.58	0.00	0.22	0.04	CO 1		
				Min V _y	▷ -5.01	0.02	-0.53	-0.00	0.08	0.02	CO 12		
				Max V _z	▷ -5.01	0.02	▷ -0.53	-0.00	0.08	0.02	CO 13		
				Min V _z	▷ -8.81	0.03	-0.58	0.00	0.22	0.03	CO 6		
				Max M _T	▷ -8.81	0.03	-0.58	▷ 0.00	0.22	0.03	CO 6		
				Min M _T	▷ -5.01	0.02	-0.53	▷ -0.00	0.08	0.02	CO 13		
				Max M _y	▷ -8.81	0.03	-0.58	▷ 0.00	0.22	0.03	CO 6		
				Min M _y	▷ -5.01	0.02	-0.53	-0.00	0.08	0.02	CO 13		
				Max M _z	▷ -8.81	0.03	-0.58	0.00	0.22	▷ 0.04	CO 1		
				Min M _z	▷ -5.01	0.02	-0.53	-0.00	0.08	▷ 0.02	CO 12		
				141	1.938	Max N	▷ -5.82	0.02	0.82	-0.00	0.37	-0.03	CO 13
						Min N	▷ -9.62	0.03	0.76	0.00	0.40	-0.04	CO 6
						Max V _y	▷ -9.62	0.03	0.76	0.00	0.40	-0.04	CO 1
						Min V _y	▷ -5.82	0.02	0.82	-0.00	0.37	-0.02	CO 12
						Max V _z	▷ -5.82	0.02	▷ 0.82	-0.00	0.37	-0.03	CO 13
						Min V _z	▷ -9.62	0.03	▷ 0.76	0.00	0.40	-0.04	CO 6
						Max M _T	▷ -9.62	0.03	▷ 0.76	▷ 0.00	0.40	-0.04	CO 6
						Min M _T	▷ -5.82	0.02	0.82	▷ -0.00	0.37	-0.03	CO 13
						Max M _y	▷ -9.62	0.03	▷ 0.76	▷ 0.00	0.40	-0.04	CO 1
						Min M _y	▷ -5.82	0.02	0.82	▷ -0.00	0.37	-0.02	CO 12
						Max M _z	▷ -5.82	0.02	0.82	-0.00	0.37	▷ -0.02	CO 12
						Min M _z	▷ -9.62	0.03	▷ 0.76	0.00	0.40	▷ -0.04	CO 1
				RC2	140	0.000	Max N	▷ -3.36	0.02	-0.36	-0.00	0.05	0.02
	Min N	▷ -6.16	0.02				-0.40	0.00	0.16	0.02	CO 17		
	Max V _y	▷ -6.16	0.02				-0.40	0.00	0.16	0.02	CO 15		
	Min V _y	▷ -3.36	0.02				-0.36	-0.00	0.06	0.02	CO 26		
	Max V _z	▷ -3.36	0.02				▷ -0.36	-0.00	0.05	0.02	CO 27		
	Min V _z	▷ -6.16	0.02				▷ -0.40	0.00	0.16	0.02	CO 20		
	Max M _T	▷ -6.16	0.02				▷ -0.40	▷ 0.00	0.16	0.02	CO 20		
	Min M _T	▷ -3.36	0.02				▷ -0.36	-0.00	0.05	0.02	CO 27		
	Max M _y	▷ -6.16	0.02				-0.40	0.00	0.16	0.02	CO 20		
	Min M _y	▷ -3.36	0.02				-0.36	-0.00	0.05	0.02	CO 27		
	Max M _z	▷ -6.16	0.02				-0.40	0.00	0.16	▷ 0.02	CO 15		
	Min M _z	▷ -3.36	0.02				-0.36	-0.00	0.06	▷ 0.02	CO 26		
	141	1.938	Max N				▷ -3.91	0.02	0.55	-0.00	0.24	-0.02	CO 27
			Min N				▷ -6.71	0.02	0.50	0.00	0.27	-0.03	CO 17
			Max V _y				▷ -6.71	0.02	0.51	0.00	0.27	-0.03	CO 15
			Min V _y				▷ -3.91	0.02	0.55	-0.00	0.24	-0.02	CO 26
			Max V _z				▷ -3.91	0.02	▷ 0.55	-0.00	0.24	-0.02	CO 27
			Min V _z				▷ -6.71	0.02	0.50	0.00	0.26	-0.03	CO 20
			Max M _T				▷ -6.71	0.02	0.50	▷ 0.00	0.26	-0.03	CO 20
			Min M _T				▷ -3.91	0.02	0.55	▷ -0.00	0.24	-0.02	CO 27
			Max M _y				▷ -6.71	0.02	0.51	▷ 0.00	0.27	-0.03	CO 15
			Min M _y				▷ -3.91	0.02	0.55	▷ -0.00	0.24	-0.02	CO 26
			Max M _z				▷ -3.91	0.02	0.55	-0.00	0.24	▷ -0.02	CO 26
			Min M _z				▷ -6.71	0.02	0.51	0.00	0.27	▷ -0.03	CO 15
	RC6	140	0.000	Max N	▷ -2.57	-0.00	-0.15	0.00	0.15	-0.00	LC 1-5		
				Min N	▷ -3.68	0.02	-0.08	0.00	0.09	0.02	LC 1-4		
				Max V _y	▷ -3.61	0.03	-0.07	0.00	0.08	0.03	LC 1-4		
				Min V _y	▷ -2.64	-0.00	-0.16	0.00	0.16	-0.00	LC 1-5		
				Max V _z	▷ -3.58	0.03	▷ -0.07	0.00	0.08	0.03	LC 1-4		
				Min V _z	▷ -2.68	-0.00	▷ -0.16	0.00	0.16	-0.00	LC 1-5		
				Max M _T	▷ -2.68	-0.00	-0.15	▷ 0.00	0.15	-0.00	LC 1-5		
				Min M _T	▷ -3.57	0.03	-0.08	▷ 0.00	0.10	0.02	LC 1-4		
				Max M _y	▷ -2.97	0.00	-0.15	▷ 0.00	0.16	0.00	LC 1-5		
				Min M _y	▷ -3.29	0.02	-0.07	▷ 0.00	0.08	0.02	LC 1-4		
				Max M _z	▷ -3.61	0.03	-0.07	0.00	0.08	▷ 0.03	LC 1-4		
				Min M _z	▷ -2.65	-0.00	-0.16	0.00	0.16	▷ -0.00	LC 1-5		
				141	1.938	Max N	▷ -2.61	-0.00	-0.09	0.00	-0.08	0.00	LC 1-5
Min N						▷ -3.72	0.02	-0.02	0.00	-0.00	-0.02	LC 1-4	
Max V _y						▷ -3.65	0.03	-0.01	0.00	0.01	-0.03	LC 1-4	
Min V _y						▷ -2.68	-0.00	-0.10	0.00	-0.09	0.00	LC 1-5	
Max V _z						▷ -3.61	0.03	-0.01	0.00	0.01	-0.03	LC 1-4	
Min V _z						▷ -2.71	-0.00	-0.10	0.00	-0.09	0.00	LC 1-5	
Max M _T						▷ -2.71	-0.00	▷ -0.09	▷ 0.00	-0.09	0.00	LC 1-5	
Min M _T						▷ -3.61	0.03	-0.02	▷ 0.00	0.00	-0.02	LC 1-4	
Max M _y						▷ -3.61	0.03	-0.01	▷ 0.00	0.01	-0.03	LC 1-5	
Min M _y						▷ -2.72	-0.00	-0.10	▷ 0.00	-0.09	0.00	LC 1-4	
Max M _z						▷ -2.67	-0.00	-0.10	0.00	-0.09	▷ 0.00	LC 1-5	
Min M _z						▷ -3.65	0.03	-0.01	0.00	0.01	▷ -0.03	LC 1-4	
216	RC1	140	0.000	Max N	▷ -3.02	-0.03	-0.85	0.00	0.16	-0.01	CO 14		
				Min N	▷ -6.37	0.03	-1.56	0.02	0.36	0.00	CO 5		
				Max V _y	▷ -6.33	0.03	-1.56	0.02	0.36	0.00	CO 4		
				Min V _y	▷ -3.04	-0.03	-0.85	0.00	0.16	-0.01	CO 13		
				Max V _z	▷ -3.04	-0.03	▷ -0.85	0.00	0.16	-0.01	CO 13		
				Min V _z	▷ -6.33	0.03	▷ -1.56	0.02	0.36	0.00	CO 4		
				Max M _T	▷ -6.33	0.03	-1.56	▷ 0.02	0.36	0.00	CO 7		
				Min M _T	▷ -3.04	-0.03	-0.85	▷ 0.00	0.16	-0.01	CO 10		
				Max M _y	▷ -6.34	0.03	-1.56	▷ 0.02	0.36	0.00	CO 6		
				Min M _y	▷ -3.04	-0.03	-0.85	▷ 0.00	0.16	-0.01	CO 13		
				Max M _z	▷ -6.33	0.03	-1.56	▷ 0.02	0.36	▷ 0.00	CO 4		
				Min M _z	▷ -3.04	-0.03	-0.85	0.00	0.16	▷ -0.01	CO 13		
				0.000	Right	Max N	▷ -3.02	-0.03	-0.85	0.00	0.16	-0.01	CO 14
						Min N	▷ -6.37	0.03	-1.56	0.02	0.36	0.00	CO 5
						Max V _y	▷ -6.33	0.03	-1.56	0.02	0.36	0.00	CO 4
						Min V _y	▷ -3.04	-0.03	-0.85	0.00	0.16	-0.01	CO 13
						Max V _z	▷ -3.04	-0.03	▷ -0.85	0.00	0.16	-0.01	CO 13
						Min V _z	▷ -6.33	0.03	▷ -1.56	0.02	0.36	0.00	CO 4
						Max M _T	▷ -6.33	0.03	-1.56	▷ 0.02	0.36	0.00	CO 7
						Min M _T	▷ -3.04	-0.03	-0.85	▷ 0.00	0.16	-0.01	CO 10
						Max M _y	▷ -6.34	0.03	-1.56	▷ 0.02	0.36	0.00	CO 6

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
216	RC1		0.105 Left	Min M _y	-3.04	-0.03	-0.85	0.00	0.16	-0.01	CO 13
				Max M _z	-6.33	0.03	-1.56	0.02	0.36	0.00	CO 4
				Min M _z	-3.04	-0.03	-0.85	0.00	0.16	-0.01	CO 13
				Max N	-2.99	-0.03	-0.77	0.00	0.08	-0.00	CO 14
				Min N	-6.33	0.02	-1.44	0.02	0.20	-0.00	CO 5
				Max V _y	-6.29	0.02	-1.44	0.02	0.20	0.00	CO 4
				Min V _y	-3.01	-0.03	-0.77	0.00	0.07	-0.00	CO 13
				Max V _z	-3.01	-0.03	-0.77	0.00	0.07	-0.00	CO 13
				Min V _z	-6.29	0.02	-1.44	0.02	0.20	0.00	CO 4
				Max M _T	-6.30	0.02	-1.44	0.02	0.20	-0.00	CO 7
				Min M _T	-3.01	-0.03	-0.77	0.00	0.08	-0.00	CO 10
				Max M _y	-6.31	0.02	-1.44	0.02	0.20	-0.00	CO 6
				Min M _y	-3.01	-0.03	-0.77	0.00	0.07	-0.00	CO 13
				Max M _z	-6.29	0.02	-1.44	0.02	0.20	0.00	CO 4
				Min M _z	-3.01	-0.03	-0.77	0.00	0.07	-0.00	CO 13
				Max N	-2.99	-0.03	-0.77	0.00	0.08	-0.00	CO 14
				Min N	-6.33	0.02	-1.44	0.02	0.20	-0.00	CO 5
				Max V _y	-6.29	0.02	-1.44	0.02	0.20	0.00	CO 4
				Min V _y	-3.01	-0.03	-0.77	0.00	0.07	-0.00	CO 13
				Max V _z	-3.01	-0.03	-0.77	0.00	0.07	-0.00	CO 13
				Min V _z	-6.29	0.02	-1.44	0.02	0.20	0.00	CO 4
				Max M _T	-6.30	0.02	-1.44	0.02	0.20	-0.00	CO 7
				Min M _T	-3.01	-0.03	-0.77	0.00	0.08	-0.00	CO 10
				Max M _y	-6.31	0.02	-1.44	0.02	0.20	-0.00	CO 6
				Min M _y	-3.01	-0.03	-0.77	0.00	0.07	-0.00	CO 13
				Max M _z	-6.29	0.02	-1.44	0.02	0.20	0.00	CO 4
				Min M _z	-3.01	-0.03	-0.77	0.00	0.07	-0.00	CO 13
				Max N	-2.61	-0.03	0.12	0.00	-0.30	0.03	CO 14
				Min N	-5.96	-0.09	-0.13	0.02	-0.66	0.07	CO 5
				Max V _y	-2.63	-0.02	0.12	0.00	-0.30	0.03	CO 10
				Min V _y	-5.91	-0.09	-0.13	0.02	-0.66	0.07	CO 1
				Max V _z	-2.64	-0.03	0.13	0.00	-0.30	0.03	CO 13
				Min V _z	-5.92	-0.09	-0.13	0.02	-0.66	0.07	CO 4
				Max M _T	-5.93	-0.09	-0.13	0.02	-0.66	0.07	CO 7
				Min M _T	-2.63	-0.02	0.12	0.00	-0.30	0.03	CO 10
				Max M _y	-2.67	-0.03	0.13	0.00	-0.30	0.03	CO 11
				Min M _y	-5.91	-0.09	-0.13	0.02	-0.66	0.07	CO 1
				Max M _z	-5.91	-0.09	-0.13	0.02	-0.66	0.07	CO 1
				Min M _z	-2.65	-0.02	0.12	0.00	-0.30	0.03	CO 12
				Max N	-2.61	-0.03	0.12	0.00	-0.30	0.03	CO 14
				Min N	-5.96	-0.09	-0.13	0.02	-0.66	0.07	CO 5
				Max V _y	-2.63	-0.02	0.12	0.00	-0.30	0.03	CO 10
				Min V _y	-5.91	-0.09	-0.13	0.02	-0.66	0.07	CO 1
				Max V _z	-2.64	-0.03	0.13	0.00	-0.30	0.03	CO 13
				Min V _z	-5.92	-0.09	-0.13	0.02	-0.66	0.07	CO 4
				Max M _T	-5.93	-0.09	-0.13	0.02	-0.66	0.07	CO 7
				Min M _T	-2.63	-0.02	0.12	0.00	-0.30	0.03	CO 10
				Max M _y	-2.67	-0.03	0.13	0.00	-0.30	0.03	CO 11
				Min M _y	-5.91	-0.09	-0.13	0.02	-0.66	0.07	CO 1
				Max M _z	-5.91	-0.09	-0.13	0.02	-0.66	0.07	CO 1
				Min M _z	-2.65	-0.02	0.12	0.00	-0.30	0.03	CO 12
				Max N	-2.05	-0.02	-0.57	0.00	0.11	-0.00	CO 28
				Min N	-4.53	0.03	-1.09	0.01	0.25	0.00	CO 19
				Max V _y	-4.50	0.03	-1.09	0.01	0.25	0.00	CO 18
				Min V _y	-2.06	-0.02	-0.57	0.00	0.11	-0.00	CO 27
				Max V _z	-2.06	-0.02	-0.57	0.00	0.11	-0.00	CO 27
				Min V _z	-4.50	0.03	-1.09	0.01	0.25	0.00	CO 18
				Max M _T	-4.52	0.03	-1.09	0.01	0.25	0.00	CO 17
				Min M _T	-2.06	-0.02	-0.57	0.00	0.11	-0.00	CO 24
				Max M _y	-4.51	0.03	-1.09	0.01	0.25	0.00	CO 20
				Min M _y	-2.06	-0.02	-0.57	0.00	0.11	-0.00	CO 27
				Max M _z	-4.50	0.03	-1.09	0.01	0.25	0.00	CO 18
				Min M _z	-2.06	-0.02	-0.57	0.00	0.11	-0.00	CO 27
				Max N	-2.03	-0.02	-0.51	0.00	0.05	-0.00	CO 28
				Min N	-4.51	0.02	-1.01	0.01	0.14	0.00	CO 19
				Max V _y	-4.48	0.02	-1.01	0.01	0.14	0.00	CO 18
				Min V _y	-2.04	-0.02	-0.51	0.00	0.05	-0.00	CO 27
				Max V _z	-2.04	-0.02	-0.51	0.00	0.05	-0.00	CO 27
				Min V _z	-4.48	0.02	-1.01	0.01	0.14	0.00	CO 18
				Max M _T	-4.50	0.02	-1.01	0.01	0.14	0.00	CO 17
				Min M _T	-2.04	-0.02	-0.51	0.00	0.05	-0.00	CO 24
				Max M _y	-4.49	0.02	-1.01	0.01	0.14	0.00	CO 20
				Min M _y	-2.04	-0.02	-0.51	0.00	0.05	-0.00	CO 27
				Max M _z	-4.48	0.02	-1.01	0.01	0.14	0.00	CO 18
				Min M _z	-2.04	-0.02	-0.51	0.00	0.05	-0.00	CO 27
				Max N	-2.03	-0.02	-0.51	0.00	0.05	-0.00	CO 28
				Min N	-4.51	0.02	-1.01	0.01	0.14	0.00	CO 19
				Max V _y	-4.48	0.02	-1.01	0.01	0.14	0.00	CO 18
				Min V _y	-2.04	-0.02	-0.51	0.00	0.05	-0.00	CO 27
				Max V _z	-2.04	-0.02	-0.51	0.00	0.05	-0.00	CO 27

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding								
					N	V _y	V _z	M _T	M _y	M _z	Load Cases								
216	RC2		1.284 Left	Min V _z	-4.48	0.02	▷	-1.01	0.01	0.14	0.00	CO 18							
				Max M _T	-4.50	0.02	▷	-1.01	0.01	0.14	0.00	CO 17							
				Min M _T	-2.04	-0.02	▷	-0.51	0.00	0.05	-0.00	CO 24							
				Max M _y	-4.49	0.02	▷	-1.01	0.01	0.14	0.00	CO 20							
				Min M _y	-2.04	-0.02	▷	-0.51	0.00	0.05	-0.00	CO 27							
				Max M _z	-4.48	0.02	▷	-1.01	0.01	0.14	0.00	CO 18							
				Min M _z	-2.04	-0.02	▷	-0.51	0.00	0.05	-0.00	CO 27							
				Max N	-1.77	-0.02	▷	0.08	0.00	-0.20	0.02	CO 28							
				Min N	-4.26	-0.06	▷	-0.10	0.01	-0.46	0.05	CO 19							
				Max V _y	-1.80	-0.02	▷	0.08	0.00	-0.20	0.02	CO 26							
				Min V _y	-4.22	-0.06	▷	-0.10	0.01	-0.46	0.05	CO 15							
				Max V _z	-1.79	-0.02	▷	0.08	0.00	-0.20	0.02	CO 27							
				Min V _z	-4.23	-0.06	▷	-0.11	0.01	-0.46	0.05	CO 18							
				Max M _T	-4.25	-0.06	▷	-0.11	0.01	-0.46	0.05	CO 17							
				Min M _T	-1.79	-0.02	▷	0.08	0.00	-0.20	0.02	CO 24							
				Max M _y	-1.82	-0.02	▷	0.08	0.00	-0.20	0.02	CO 25							
				Min M _y	-4.20	-0.06	▷	-0.11	0.01	-0.46	0.05	CO 16							
				Max M _z	-4.22	-0.06	▷	-0.10	0.01	-0.46	0.05	CO 15							
				Min M _z	-1.80	-0.02	▷	0.08	0.00	-0.20	0.02	CO 26							
				142		1.284 Right	Max N	-1.77	-0.02	▷	0.08	0.00	-0.20	0.02	CO 28				
							Min N	-4.26	-0.06	▷	-0.10	0.01	-0.46	0.05	CO 19				
							Max V _y	-1.80	-0.02	▷	0.08	0.00	-0.20	0.02	CO 26				
							Min V _y	-4.22	-0.06	▷	-0.10	0.01	-0.46	0.05	CO 15				
							Max V _z	-1.79	-0.02	▷	0.08	0.00	-0.20	0.02	CO 27				
							Min V _z	-4.23	-0.06	▷	-0.11	0.01	-0.46	0.05	CO 18				
							Max M _T	-4.25	-0.06	▷	-0.11	0.01	-0.46	0.05	CO 17				
							Min M _T	-1.79	-0.02	▷	0.08	0.00	-0.20	0.02	CO 24				
							Max M _y	-1.82	-0.02	▷	0.08	0.00	-0.20	0.02	CO 25				
							Min M _y	-4.20	-0.06	▷	-0.11	0.01	-0.46	0.05	CO 16				
							Max M _z	-4.22	-0.06	▷	-0.10	0.01	-0.46	0.05	CO 15				
							Min M _z	-1.80	-0.02	▷	0.08	0.00	-0.20	0.02	CO 26				
							RC6	140	0.000 Left	Max N	-0.84	0.02	▷	-0.54	0.01	0.12	-0.00	LC 1-4	
										Min N	-5.12	0.06	▷	-0.56	0.01	0.18	0.01	LC 1-5	
										Max V _y	-3.97	0.08	▷	-0.58	0.01	0.17	0.02	LC 1-5	
										Min V _y	-1.98	0.00	▷	-0.52	0.01	0.13	-0.01	LC 1-4	
										Max V _z	-2.43	0.01	▷	-0.52	0.01	0.12	-0.01	LC 1-5	
										Min V _z	-3.53	0.07	▷	-0.59	0.01	0.18	0.02	LC 1-4	
										Max M _T	-2.25	0.00	▷	-0.52	0.01	0.14	-0.01	LC 1-5	
										Min M _T	-3.70	0.08	▷	-0.58	0.01	0.17	0.02	LC 1-4	
										Max M _y	-4.18	0.04	▷	-0.56	0.01	0.21	0.00	LC 1-5	
	Min M _y	-1.77	0.04							▷	-0.55	0.01	0.10	0.01	LC 1-4				
	Max M _z	-3.86	0.08							▷	-0.58	0.01	0.17	0.02	LC 1-5				
	Min M _z	-2.10	0.00							▷	-0.52	0.01	0.13	-0.01	LC 1-4				
	0.000 Right		Max N							-0.84	0.02	▷	-0.54	0.01	0.12	-0.00	LC 1-4		
			Min N							-5.12	0.06	▷	-0.56	0.01	0.18	0.01	LC 1-5		
			Max V _y							-3.97	0.08	▷	-0.58	0.01	0.17	0.02	LC 1-5		
			Min V _y							-1.98	0.00	▷	-0.52	0.01	0.13	-0.01	LC 1-4		
			Max V _z							-2.43	0.01	▷	-0.52	0.01	0.12	-0.01	LC 1-5		
			Min V _z							-3.53	0.07	▷	-0.59	0.01	0.18	0.02	LC 1-4		
			Max M _T							-2.25	0.00	▷	-0.52	0.01	0.14	-0.01	LC 1-5		
			Min M _T							-3.70	0.08	▷	-0.58	0.01	0.17	0.02	LC 1-4		
			Max M _y							-4.18	0.04	▷	-0.56	0.01	0.21	0.00	LC 1-5		
			Min M _y							-1.77	0.04	▷	-0.55	0.01	0.10	0.01	LC 1-4		
			Max M _z							-3.86	0.08	▷	-0.58	0.01	0.17	0.02	LC 1-5		
			Min M _z							-2.10	0.00	▷	-0.52	0.01	0.13	-0.01	LC 1-4		
			0.105 Left								Max N	-0.84	0.01	▷	-0.51	0.01	0.07	-0.00	LC 1-4
											Min N	-5.11	0.05	▷	-0.53	0.01	0.12	0.01	LC 1-5
											Max V _y	-3.97	0.07	▷	-0.55	0.01	0.11	0.01	LC 1-5
											Min V _y	-1.98	-0.01	▷	-0.49	0.01	0.08	-0.01	LC 1-4
				Max V _z	-2.42	-0.00					▷	-0.49	0.01	0.07	-0.01	LC 1-5			
				Min V _z	-3.53	0.07					▷	-0.56	0.01	0.12	0.01	LC 1-4			
				Max M _T	-2.25	-0.00					▷	-0.49	0.01	0.08	-0.01	LC 1-5			
				Min M _T	-3.70	0.07					▷	-0.55	0.01	0.11	0.01	LC 1-4			
				Max M _y	-4.19	0.03					▷	-0.52	0.01	0.15	-0.00	LC 1-5			
				Min M _y	-1.76	0.03					▷	-0.52	0.01	0.04	0.00	LC 1-4			
				Max M _z	-3.82	0.07					▷	-0.55	0.01	0.11	0.01	LC 1-5			
				Min M _z	-2.13	-0.01					▷	-0.49	0.01	0.08	-0.01	LC 1-4			
				0.105 Right		Max N					-0.84	0.01	▷	-0.51	0.01	0.07	-0.00	LC 1-4	
						Min N					-5.11	0.05	▷	-0.53	0.01	0.12	0.01	LC 1-5	
						Max V _y					-3.97	0.07	▷	-0.55	0.01	0.11	0.01	LC 1-5	
						Min V _y					-1.98	-0.01	▷	-0.49	0.01	0.08	-0.01	LC 1-4	
						Max V _z	-2.42	-0.00	▷		-0.49	0.01	0.07	-0.01	LC 1-5				
						Min V _z	-3.53	0.07	▷		-0.56	0.01	0.12	0.01	LC 1-4				
						Max M _T	-2.25	-0.00	▷		-0.49	0.01	0.08	-0.01	LC 1-5				
						Min M _T	-3.70	0.07	▷		-0.55	0.01	0.11	0.01	LC 1-4				
						Max M _y	-4.19	0.03	▷		-0.52	0.01	0.15	-0.00	LC 1-5				
						Min M _y	-1.76	0.03	▷		-0.52	0.01	0.04	0.00	LC 1-4				
						Max M _z	-3.82	0.07	▷		-0.55	0.01	0.11	0.01	LC 1-5				
						Min M _z	-2.13	-0.01	▷		-0.49	0.01	0.08	-0.01	LC 1-4				
						1.284 Left		Max N	-0.82		-0.07	▷	-0.18	0.01	-0.28	0.05	LC 1-4		
Min N								-5.10	-0.03		▷	-0.20	0.01	-0.25	0.01	LC 1-5			
Max V _y								-3.95	-0.01		▷	-0.22	0.01	-0.28	-0.00	LC 1-5			
Min V _y								-1.96	-0.09		▷	-0.16	0.01	-0.25	0.07	LC 1-4			
Max V _z	-2.41	-0.09						▷	-0.15		0.01	-0.25	0.06	LC 1-5					
Min V _z	-3.51	-0.02						▷	-0.22		0.01	-0.28	0.00	LC 1-4					
Max M _T	-2.24	-0.09						▷	-0.16		0.01	-0.24	0.06	LC 1-5					
Min M _T	-3.68	-0.02						▷	-0.22		0.01	-0.29	-0.00	LC 1-4					
Max M _y	-3.96	-0.06						▷	-0.18		0.01	-0.21	0.04	LC 1-5					
Min M _y	-1.95	-0.04						▷	-0.20		0.01	-0.32	0.02	LC 1-4					
Max M _z	-1.89	-0.09						▷	-0.16		0.01	-0.25	0.07	LC 1-4					
Min M _z	-4.03	-0.01						▷	-0.22		0.01	-0.28	-0.00	LC 1-5					
142	1.284							Max N	-0.82		-0.07	▷	-0.18	0.01	-0.28	0.05	LC 1-4		

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
216	RC6		Right	Min N	▷ -5.10	▷ -0.03	▷ -0.20	0.01	-0.25	0.01	LC 1-5
				Max V _y	▷ -3.95	▷ -0.01	▷ -0.22	0.01	-0.28	-0.00	LC 1-5
				Min V _y	▷ -1.96	▷ -0.09	▷ -0.16	0.01	-0.25	0.07	LC 1-4
				Max V _z	▷ -2.41	▷ -0.09	▷ -0.15	0.01	-0.25	0.06	LC 1-5
				Min V _z	▷ -3.51	▷ -0.02	▷ -0.22	0.01	-0.28	0.00	LC 1-4
				Max M _T	▷ -2.24	▷ -0.09	▷ -0.16	▷ 0.01	▷ -0.24	0.06	LC 1-5
				Min M _T	▷ -3.68	▷ -0.02	▷ -0.22	▷ 0.01	▷ -0.29	-0.00	LC 1-4
				Max M _y	▷ -3.96	▷ -0.06	▷ -0.18	0.01	▷ -0.21	0.04	LC 1-5
				Min M _y	▷ -1.95	▷ -0.04	▷ -0.20	0.01	▷ -0.32	0.02	LC 1-4
				Max M _z	▷ -1.89	▷ -0.09	▷ -0.16	0.01	▷ -0.25	0.07	LC 1-4
				Min M _z	▷ -4.03	▷ -0.01	▷ -0.22	0.01	▷ -0.28	-0.00	LC 1-5
				Max N	▷ -4.86	0.02	▷ -0.86	0.00	0.26	0.03	CO 13
				Min N	▷ -9.70	0.02	▷ -1.03	0.01	0.65	0.04	CO 6
				Max V _y	▷ -9.69	0.02	▷ -1.03	0.01	0.65	0.04	CO 1
217	RC1	142	0.000	Min V _y	▷ -4.87	0.02	▷ -0.86	0.00	0.26	0.03	CO 12
				Max V _z	▷ -4.86	0.02	▷ -0.86	0.00	0.26	0.03	CO 13
				Min V _z	▷ -9.69	0.02	▷ -1.03	0.01	0.65	0.04	CO 5
				Max M _T	▷ -9.69	0.02	▷ -1.03	▷ 0.01	▷ 0.65	0.04	CO 1
				Min M _T	▷ -4.86	0.02	▷ -0.86	▷ 0.00	▷ 0.26	0.03	CO 11
				Max M _y	▷ -9.70	0.02	▷ -1.03	▷ 0.01	▷ 0.65	0.04	CO 6
				Min M _y	▷ -4.86	0.02	▷ -0.86	▷ 0.00	▷ 0.26	0.03	CO 13
				Max M _z	▷ -9.69	0.02	▷ -1.03	▷ 0.01	▷ 0.65	0.04	CO 3
				Min M _z	▷ -4.86	0.02	▷ -0.86	0.00	0.26	0.03	CO 14
		143	2.801	Max N	▷ -6.08	0.02	▷ 1.07	0.00	0.56	-0.02	CO 13
				Min N	▷ -10.91	0.02	▷ 0.88	0.01	0.43	-0.03	CO 6
				Max V _y	▷ -10.91	0.02	▷ 0.88	0.01	0.43	-0.03	CO 3
				Min V _y	▷ -6.08	0.02	▷ 1.07	0.00	0.56	-0.02	CO 14
				Max V _z	▷ -6.08	0.02	▷ 1.07	0.00	0.56	-0.02	CO 13
				Min V _z	▷ -10.91	0.02	▷ 0.88	0.01	0.43	-0.03	CO 6
				Max M _T	▷ -10.91	0.02	▷ 0.88	▷ 0.01	▷ 0.43	-0.03	CO 1
				Min M _T	▷ -6.09	0.02	▷ 1.07	▷ 0.00	▷ 0.56	-0.02	CO 11
				Max M _y	▷ -6.08	0.02	▷ 1.07	▷ 0.00	▷ 0.56	-0.02	CO 14
				Min M _y	▷ -10.91	0.02	▷ 0.88	▷ 0.01	▷ 0.43	-0.03	CO 5
				Max M _z	▷ -6.09	0.02	▷ 1.07	0.00	0.56	-0.02	CO 12
				Min M _z	▷ -10.91	0.02	▷ 0.88	0.01	0.43	-0.03	CO 1
	RC2	142	0.000	Max N	▷ -3.27	0.01	▷ -0.58	0.00	0.17	0.02	CO 27
				Min N	▷ -6.84	0.02	▷ -0.71	0.01	0.46	0.03	CO 20
				Max V _y	▷ -6.83	0.02	▷ -0.70	0.01	0.46	0.03	CO 15
				Min V _y	▷ -3.28	0.01	▷ -0.58	0.00	0.17	0.02	CO 26
				Max V _z	▷ -3.27	0.01	▷ -0.58	0.00	0.17	0.02	CO 27
				Min V _z	▷ -6.84	0.02	▷ -0.71	0.01	0.46	0.03	CO 17
				Max M _T	▷ -6.83	0.02	▷ -0.70	▷ 0.01	▷ 0.46	0.03	CO 16
				Min M _T	▷ -3.28	0.01	▷ -0.58	▷ 0.00	▷ 0.17	0.02	CO 25
				Max M _y	▷ -6.84	0.02	▷ -0.71	0.01	0.46	0.03	CO 20
				Min M _y	▷ -3.27	0.01	▷ -0.58	▷ 0.00	▷ 0.17	0.02	CO 27
				Max M _z	▷ -6.84	0.02	▷ -0.71	0.01	0.46	0.03	CO 17
				Min M _z	▷ -3.27	0.01	▷ -0.58	0.00	0.17	0.02	CO 28
		143	2.801	Max N	▷ -4.09	0.01	▷ 0.72	0.00	0.37	-0.01	CO 27
				Min N	▷ -7.66	0.01	▷ 0.58	0.01	0.27	-0.02	CO 20
				Max V _y	▷ -7.66	0.01	▷ 0.58	0.01	0.27	-0.02	CO 19
				Min V _y	▷ -4.09	0.01	▷ 0.72	0.00	0.37	-0.01	CO 28
				Max V _z	▷ -4.09	0.01	▷ 0.72	0.00	0.37	-0.01	CO 27
				Min V _z	▷ -7.66	0.01	▷ 0.58	0.01	0.27	-0.02	CO 20
				Max M _T	▷ -7.65	0.01	▷ 0.58	▷ 0.01	▷ 0.27	-0.02	CO 16
				Min M _T	▷ -4.10	0.01	▷ 0.72	▷ 0.00	▷ 0.37	-0.01	CO 25
				Max M _y	▷ -4.09	0.01	▷ 0.72	▷ 0.00	▷ 0.37	-0.01	CO 28
				Min M _y	▷ -7.66	0.01	▷ 0.58	▷ 0.01	▷ 0.27	-0.02	CO 19
				Max M _z	▷ -4.10	0.01	▷ 0.72	0.00	0.37	-0.01	CO 26
				Min M _z	▷ -7.65	0.01	▷ 0.58	0.01	0.27	-0.02	CO 15
	RC6	142	0.000	Max N	▷ -2.71	0.01	▷ -0.22	0.01	0.32	0.02	LC 1-4
				Min N	▷ -5.27	0.00	▷ -0.20	0.01	0.30	0.00	LC 1-5
				Max V _y	▷ -3.56	0.01	▷ -0.20	0.01	0.29	0.02	LC 1-4
				Min V _y	▷ -4.43	▷ -0.00	▷ -0.22	0.01	0.33	-0.00	LC 1-5
				Max V _z	▷ -4.60	0.01	▷ -0.18	0.01	0.27	0.01	LC 1-5
				Min V _z	▷ -3.39	0.01	▷ -0.24	0.01	0.36	0.01	LC 1-4
				Max M _T	▷ -3.71	0.01	▷ -0.18	▷ 0.01	▷ 0.26	0.01	LC 1-4
				Min M _T	▷ -4.27	0.00	▷ -0.23	▷ 0.00	▷ 0.37	0.01	LC 1-5
				Max M _y	▷ -4.30	0.00	▷ -0.24	▷ 0.00	▷ 0.37	0.00	LC 1-5
				Min M _y	▷ -3.69	0.01	▷ -0.18	▷ 0.01	▷ 0.25	0.02	LC 1-4
				Max M _z	▷ -3.32	0.01	▷ -0.21	0.01	0.30	0.02	LC 1-4
				Min M _z	▷ -4.67	-0.00	▷ -0.21	0.01	0.33	-0.00	LC 1-5
		143	2.801	Max N	▷ -2.77	0.01	▷ -0.14	0.01	-0.17	-0.01	LC 1-4
				Min N	▷ -5.32	0.00	▷ -0.11	0.01	-0.13	-0.01	LC 1-5
				Max V _y	▷ -3.61	0.01	▷ -0.12	0.01	-0.15	-0.02	LC 1-4
				Min V _y	▷ -4.48	-0.00	▷ -0.13	0.01	-0.15	-0.00	LC 1-5
				Max V _z	▷ -4.65	0.01	▷ -0.09	0.01	-0.12	-0.01	LC 1-5
				Min V _z	▷ -3.44	0.01	▷ -0.15	0.01	-0.19	-0.00	LC 1-4
				Max M _T	▷ -3.77	0.01	▷ -0.10	▷ 0.01	▷ -0.14	-0.01	LC 1-4
				Min M _T	▷ -4.32	0.00	▷ -0.15	▷ 0.00	▷ -0.17	-0.00	LC 1-5
				Max M _y	▷ -4.81	0.01	▷ -0.10	▷ 0.01	▷ -0.12	-0.01	LC 1-5
				Min M _y	▷ -3.29	0.01	▷ -0.15	▷ 0.01	▷ -0.19	-0.01	LC 1-4
				Max M _z	▷ -3.97	0.00	▷ -0.14	0.01	-0.17	-0.00	LC 1-5
				Min M _z	▷ -4.12	0.01	▷ -0.11	0.01	-0.14	-0.02	LC 1-4
219	RC1	142	0.000	Left	Max N	▷ -11.01	0.08	▷ -0.49	-0.00	0.11	CO 14
				Min N	▷ -21.86	0.25	▷ -1.22	-0.01	0.45	0.10	CO 5
				Max V _y	▷ -21.76	0.25	▷ -1.22	-0.01	0.45	0.10	CO 2
				Min V _y	▷ -11.06	0.08	▷ -0.49	-0.00	0.11	0.04	CO 12
				Max V _z	▷ -11.03	0.08	▷ -0.49	-0.00	0.11	0.04	CO 13
				Min V _z	▷ -21.83	0.25	▷ -1.23	-0.01	0.45	0.10	CO 6
				Max M _T	▷ -11.06	0.08	▷ -0.49	-0.00	0.11	0.04	CO 9
				Min M _T	▷ -21.79	0.25	▷ -1.22	-0.01	0.44	0.10	CO 1
				Max M _y	▷ -21.83	0.25	▷ -1.23	-0.01	0.45	0.10	CO 6

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
219	RC1		0.000 Right	Min M _y	-11.03	0.08	-0.49	-0.00	0.11	0.04	CO 13		
				Max M _z	-21.76	0.25	-1.22	-0.01	0.45	0.10	CO 2		
				Min M _z	-11.08	0.08	-0.49	-0.00	0.11	0.04	CO 11		
				Max N	-11.01	0.08	-0.49	-0.00	0.11	0.04	CO 14		
				Min N	-21.86	0.25	-1.22	-0.01	0.45	0.10	CO 5		
				Max V _y	-21.76	0.25	-1.22	-0.01	0.45	0.10	CO 2		
				Min V _y	-11.06	0.08	-0.49	-0.00	0.11	0.04	CO 12		
				Max V _z	-11.03	0.08	-0.49	-0.00	0.11	0.04	CO 13		
				Min V _z	-21.83	0.25	-1.23	-0.01	0.45	0.10	CO 6		
				Max M _T	-11.06	0.08	-0.49	-0.00	0.11	0.04	CO 9		
				Min M _T	-21.79	0.25	-1.22	-0.01	0.44	0.10	CO 1		
				Max M _y	-21.83	0.25	-1.23	-0.01	0.45	0.10	CO 6		
				Min M _y	-11.03	0.08	-0.49	-0.00	0.11	0.04	CO 13		
				Max M _z	-21.76	0.25	-1.22	-0.01	0.45	0.10	CO 2		
				Min M _z	-11.08	0.08	-0.49	-0.00	0.11	0.04	CO 11		
				0.105 Left	Max N	-10.98	0.08	-0.41	-0.00	0.06	0.03	CO 14	
					Min N	-21.82	0.25	-1.12	-0.01	0.32	0.07	CO 5	
					Max V _y	-21.73	0.25	-1.12	-0.01	0.32	0.07	CO 2	
					Min V _y	-11.02	0.08	-0.41	-0.00	0.06	0.03	CO 12	
					Max V _z	-11.00	0.09	-0.41	-0.00	0.06	0.03	CO 13	
					Min V _z	-21.80	0.25	-1.12	-0.01	0.32	0.07	CO 6	
					Max M _T	-11.02	0.08	-0.41	-0.00	0.06	0.03	CO 9	
					Min M _T	-21.75	0.25	-1.12	-0.01	0.32	0.07	CO 1	
					Max M _y	-21.80	0.25	-1.12	-0.01	0.32	0.07	CO 6	
					Min M _y	-11.00	0.09	-0.41	-0.00	0.06	0.03	CO 13	
					Max M _z	-21.73	0.25	-1.12	-0.01	0.32	0.07	CO 2	
					Min M _z	-11.05	0.08	-0.41	-0.00	0.06	0.03	CO 11	
					0.105 Right	Max N	-10.98	0.08	-0.41	-0.00	0.06	0.03	CO 14
						Min N	-21.82	0.25	-1.12	-0.01	0.32	0.07	CO 5
						Max V _y	-21.73	0.25	-1.12	-0.01	0.32	0.07	CO 2
				Min V _y		-11.02	0.08	-0.41	-0.00	0.06	0.03	CO 12	
				Max V _z		-11.00	0.09	-0.41	-0.00	0.06	0.03	CO 13	
				Min V _z		-21.80	0.25	-1.12	-0.01	0.32	0.07	CO 6	
				Max M _T		-11.02	0.08	-0.41	-0.00	0.06	0.03	CO 9	
				Min M _T		-21.75	0.25	-1.11	-0.01	0.32	0.07	CO 1	
				Max M _y		-21.80	0.25	-1.12	-0.01	0.32	0.07	CO 6	
				Min M _y		-11.00	0.09	-0.41	-0.00	0.06	0.03	CO 13	
				Max M _z		-21.73	0.25	-1.12	-0.01	0.32	0.07	CO 2	
				Min M _z		-11.05	0.08	-0.41	-0.00	0.06	0.03	CO 11	
				1.284 Left		Max N	-10.60	0.08	0.48	-0.00	0.10	-0.07	CO 14
						Min N	-21.44	0.10	0.18	-0.01	-0.17	-0.13	CO 5
						Max V _y	-21.35	0.10	0.18	-0.01	-0.17	-0.13	CO 2
					Min V _y	-10.67	0.07	0.48	-0.00	0.10	-0.07	CO 11	
					Max V _z	-10.62	0.08	0.48	-0.00	0.10	-0.07	CO 13	
					Min V _z	-21.42	0.10	0.18	-0.01	-0.17	-0.13	CO 6	
					Max M _T	-10.65	0.07	0.48	-0.00	0.10	-0.07	CO 9	
					Min M _T	-21.38	0.10	0.18	-0.01	-0.16	-0.13	CO 1	
					Max M _y	-10.62	0.08	0.48	-0.00	0.10	-0.07	CO 13	
					Min M _y	-21.42	0.10	0.18	-0.01	-0.17	-0.13	CO 6	
					Max M _z	-10.65	0.07	0.47	-0.00	0.10	-0.07	CO 12	
					Min M _z	-21.35	0.10	0.18	-0.01	-0.17	-0.13	CO 2	
					1.284 Right	Max N	-10.60	0.08	0.48	-0.00	0.10	-0.07	CO 14
						Min N	-21.44	0.10	0.18	-0.01	-0.17	-0.13	CO 5
						Max V _y	-21.35	0.10	0.18	-0.01	-0.17	-0.13	CO 2
				Min V _y		-10.67	0.07	0.48	-0.00	0.10	-0.07	CO 11	
				Max V _z		-10.62	0.08	0.48	-0.00	0.10	-0.07	CO 13	
				Min V _z		-21.42	0.10	0.18	-0.01	-0.17	-0.13	CO 6	
				Max M _T		-10.65	0.07	0.48	-0.00	0.10	-0.07	CO 9	
				Min M _T		-21.38	0.10	0.18	-0.01	-0.16	-0.13	CO 1	
				Max M _y		-10.62	0.08	0.48	-0.00	0.10	-0.07	CO 13	
				Min M _y		-21.42	0.10	0.18	-0.01	-0.17	-0.13	CO 6	
				Max M _z		-10.65	0.07	0.47	-0.00	0.10	-0.07	CO 12	
				Min M _z		-21.35	0.10	0.18	-0.01	-0.17	-0.13	CO 2	
RC2	142	0.000 Left	Max N	-7.42		0.06	-0.33	-0.00	0.08	0.03	CO 28		
			Min N	-15.42		0.18	-0.88	-0.00	0.32	0.07	CO 19		
			Max V _y	-15.37		0.18	-0.88	-0.00	0.32	0.07	CO 15		
			Min V _y	-7.46	0.06	-0.33	-0.00	0.08	0.03	CO 26			
			Max V _z	-7.44	0.06	-0.33	-0.00	0.08	0.03	CO 27			
			Min V _z	-15.41	0.18	-0.88	-0.00	0.32	0.07	CO 20			
			Max M _T	-7.47	0.06	-0.33	-0.00	0.08	0.03	CO 25			
			Min M _T	-15.36	0.18	-0.88	-0.00	0.32	0.07	CO 16			
			Max M _y	-15.41	0.18	-0.88	-0.00	0.32	0.07	CO 20			
			Min M _y	-7.44	0.06	-0.33	-0.00	0.08	0.03	CO 27			
			Max M _z	-15.36	0.18	-0.88	-0.00	0.32	0.07	CO 16			
			Min M _z	-7.47	0.06	-0.33	-0.00	0.08	0.03	CO 25			
			0.000 Right	Max N	-7.42	0.06	-0.33	-0.00	0.08	0.03	CO 28		
				Min N	-15.42	0.18	-0.88	-0.00	0.32	0.07	CO 19		
				Max V _y	-15.37	0.18	-0.88	-0.00	0.32	0.07	CO 15		
				Min V _y	-7.46	0.06	-0.33	-0.00	0.08	0.03	CO 26		
				Max V _z	-7.44	0.06	-0.33	-0.00	0.08	0.03	CO 27		
				Min V _z	-15.41	0.18	-0.88	-0.00	0.32	0.07	CO 20		
				Max M _T	-7.47	0.06	-0.33	-0.00	0.08	0.03	CO 25		
				Min M _T	-15.36	0.18	-0.88	-0.00	0.32	0.07	CO 16		
				Max M _y	-15.41	0.18	-0.88	-0.00	0.32	0.07	CO 20		
				Min M _y	-7.44	0.06	-0.33	-0.00	0.08	0.03	CO 27		
				Max M _z	-15.36	0.18	-0.88	-0.00	0.32	0.07	CO 16		
				Min M _z	-7.47	0.06	-0.33	-0.00	0.08	0.03	CO 25		
				0.105 Left	Max N	-7.40	0.06	-0.28	-0.00	0.04	0.02	CO 28	
					Min N	-15.40	0.18	-0.80	-0.00	0.23	0.05	CO 19	
					Max V _y	-15.35	0.18	-0.80	-0.00	0.23	0.05	CO 15	
			Min V _y		-7.44	0.06	-0.28	-0.00	0.04	0.02	CO 26		
			Max V _z		-7.42	0.06	-0.28	-0.00	0.04	0.02	CO 27		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
219	RC2		0.105 Right	Min V _z	-15.38	0.18	▷	-0.80	-0.00	0.23	0.05	CO 20
				Max M _T	-7.45	0.06	▷	-0.28	-0.00	0.04	0.02	CO 25
				Min M _T	-15.33	0.18	▷	-0.80	-0.00	0.23	0.05	CO 16
				Max M _y	-15.38	0.18	▷	-0.80	-0.00	0.23	0.05	CO 20
				Min M _y	-7.42	0.06	▷	-0.28	-0.00	0.04	0.02	CO 27
				Max M _z	-15.33	0.18	▷	-0.80	-0.00	0.23	0.05	CO 16
				Min M _z	-7.45	0.06	▷	-0.28	-0.00	0.04	0.02	CO 25
				Max N	-7.40	0.06	▷	-0.28	-0.00	0.04	0.02	CO 28
				Min N	-15.40	0.18	▷	-0.80	-0.00	0.23	0.05	CO 19
				Max V _y	-15.35	0.18	▷	-0.80	-0.00	0.23	0.05	CO 15
				Min V _y	-7.44	0.06	▷	-0.28	-0.00	0.04	0.02	CO 26
				Max V _z	-7.42	0.06	▷	-0.28	-0.00	0.04	0.02	CO 27
				Min V _z	-15.38	0.18	▷	-0.80	-0.00	0.23	0.05	CO 20
				Max M _T	-7.45	0.06	▷	-0.28	-0.00	0.04	0.02	CO 25
				Min M _T	-15.33	0.18	▷	-0.80	-0.00	0.23	0.05	CO 16
				Max M _y	-15.38	0.18	▷	-0.80	-0.00	0.23	0.05	CO 20
				Min M _y	-7.42	0.06	▷	-0.28	-0.00	0.04	0.02	CO 27
				Max M _z	-15.33	0.18	▷	-0.80	-0.00	0.23	0.05	CO 16
				Min M _z	-7.45	0.06	▷	-0.28	-0.00	0.04	0.02	CO 25
				Max N	-7.15	0.05	▷	-0.32	-0.00	0.07	-0.05	CO 28
				Min N	-15.15	0.08	▷	0.09	-0.01	-0.13	-0.09	CO 19
				Max V _y	-15.08	0.08	▷	0.10	-0.01	-0.13	-0.09	CO 16
				Min V _y	-7.18	0.05	▷	0.31	-0.00	0.06	-0.05	CO 26
				Max V _z	-7.17	0.05	▷	0.32	-0.00	0.07	-0.05	CO 27
				Min V _z	-15.13	0.08	▷	0.09	-0.01	-0.14	-0.09	CO 20
				Max M _T	-7.20	0.05	▷	0.32	-0.00	0.07	-0.05	CO 25
				Min M _T	-15.08	0.08	▷	0.10	-0.01	-0.13	-0.09	CO 16
				Max M _y	-7.17	0.05	▷	0.32	-0.00	0.07	-0.05	CO 27
				Min M _y	-15.13	0.08	▷	0.09	-0.01	-0.14	-0.09	CO 20
				Max M _z	-7.18	0.05	▷	0.31	-0.00	0.06	-0.05	CO 26
				Min M _z	-15.10	0.08	▷	0.10	-0.01	-0.13	-0.09	CO 15
				Max N	-7.15	0.05	▷	0.32	-0.00	0.07	-0.05	CO 28
				Min N	-15.15	0.08	▷	0.09	-0.01	-0.13	-0.09	CO 19
				Max V _y	-15.08	0.08	▷	0.10	-0.01	-0.13	-0.09	CO 16
				Min V _y	-7.18	0.05	▷	0.31	-0.00	0.06	-0.05	CO 26
				Max V _z	-7.17	0.05	▷	0.32	-0.00	0.07	-0.05	CO 27
				Min V _z	-15.13	0.08	▷	0.09	-0.01	-0.14	-0.09	CO 20
				Max M _T	-7.20	0.05	▷	0.32	-0.00	0.07	-0.05	CO 25
				Min M _T	-15.08	0.08	▷	0.10	-0.01	-0.13	-0.09	CO 16
				Max M _y	-7.17	0.05	▷	0.32	-0.00	0.07	-0.05	CO 27
				Min M _y	-15.13	0.08	▷	0.09	-0.01	-0.14	-0.09	CO 20
				Max M _z	-7.18	0.05	▷	0.31	-0.00	0.06	-0.05	CO 26
				Min M _z	-15.10	0.08	▷	0.10	-0.01	-0.13	-0.09	CO 15
	Max N	-6.73	0.12	▷	-0.53	-0.01	0.27	0.05	LC 1-4			
	Min N	-11.59	0.20	▷	-0.73	-0.00	0.29	0.07	LC 1-5			
	Max V _y	-9.61	0.34	▷	-0.77	-0.00	0.26	0.12	LC 1-4			
	Min V _y	-8.71	-0.03	▷	-0.49	-0.00	0.30	-0.01	LC 1-5			
	Max V _z	-8.52	0.11	▷	-0.35	-0.01	0.14	0.04	LC 1-4			
	Min V _z	-9.80	0.20	▷	-0.91	-0.00	0.42	0.07	LC 1-5			
	Max M _T	-10.26	0.12	▷	-0.74	0.00	0.33	0.04	LC 1-4			
	Min M _T	-8.07	0.19	▷	-0.53	-0.01	0.22	0.07	LC 1-5			
	Max M _y	-9.44	0.14	▷	-0.87	-0.00	0.44	0.05	LC 1-5			
	Min M _y	-8.89	0.17	▷	-0.39	-0.01	0.12	0.06	LC 1-4			
	Max M _z	-9.48	0.34	▷	-0.75	-0.00	0.25	0.12	LC 1-4			
	Min M _z	-8.85	-0.02	▷	-0.51	-0.00	0.31	-0.01	LC 1-5			
	Max N	-6.73	0.12	▷	-0.53	-0.01	0.27	0.05	LC 1-4			
	Min N	-11.59	0.20	▷	-0.73	-0.00	0.29	0.07	LC 1-5			
	Max V _y	-9.61	0.34	▷	-0.77	-0.00	0.26	0.12	LC 1-4			
	Min V _y	-8.71	-0.03	▷	-0.49	-0.00	0.30	-0.01	LC 1-5			
	Max V _z	-8.52	0.11	▷	-0.35	-0.01	0.14	0.04	LC 1-4			
Min V _z	-9.80	0.20	▷	-0.91	-0.00	0.42	0.07	LC 1-5				
Max M _T	-10.26	0.12	▷	-0.74	0.00	0.33	0.04	LC 1-4				
Min M _T	-8.07	0.19	▷	-0.53	-0.01	0.22	0.07	LC 1-5				
Max M _y	-9.44	0.14	▷	-0.87	-0.00	0.44	0.05	LC 1-5				
Min M _y	-8.89	0.17	▷	-0.39	-0.01	0.12	0.06	LC 1-4				
Max M _z	-9.48	0.34	▷	-0.75	-0.00	0.25	0.12	LC 1-4				
Min M _z	-8.85	-0.02	▷	-0.51	-0.00	0.31	-0.01	LC 1-5				
Max N	-6.73	0.11	▷	-0.50	-0.01	0.21	0.03	LC 1-4				
Min N	-11.59	0.19	▷	-0.70	-0.00	0.21	0.05	LC 1-5				
Max V _y	-9.61	0.33	▷	-0.74	-0.00	0.18	0.08	LC 1-4				
Min V _y	-8.71	-0.03	▷	-0.46	-0.00	0.25	-0.00	LC 1-5				
Max V _z	-8.52	0.10	▷	-0.32	-0.01	0.10	0.03	LC 1-4				
Min V _z	-9.80	0.19	▷	-0.88	-0.00	0.33	0.05	LC 1-5				
Max M _T	-10.26	0.11	▷	-0.71	0.00	0.26	0.03	LC 1-4				
Min M _T	-8.07	0.19	▷	-0.50	-0.01	0.17	0.05	LC 1-5				
Max M _y	-9.35	0.12	▷	-0.83	-0.00	0.35	0.03	LC 1-5				
Min M _y	-8.97	0.17	▷	-0.37	-0.01	0.08	0.05	LC 1-4				
Max M _z	-9.42	0.33	▷	-0.72	-0.00	0.17	0.08	LC 1-4				
Min M _z	-8.90	-0.03	▷	-0.49	-0.00	0.26	-0.00	LC 1-5				
Max N	-6.71	0.02	▷	-0.16	-0.01	-0.12	-0.03	LC 1-4				
	RC6	142	0.000 Left	Max N	-6.73	0.12	▷	-0.53	-0.01	0.27	0.05	LC 1-4
Min N				-11.59	0.20	▷	-0.73	-0.00	0.29	0.07	LC 1-5	
Max V _y				-9.61	0.34	▷	-0.77	-0.00	0.26	0.12	LC 1-4	
Min V _y				-8.71	-0.03	▷	-0.49	-0.00	0.30	-0.01	LC 1-5	
Max V _z				-8.52	0.11	▷	-0.35	-0.01	0.14	0.04	LC 1-4	
Min V _z				-9.80	0.20	▷	-0.91	-0.00	0.42	0.07	LC 1-5	
Max M _T				-10.26	0.12	▷	-0.74	0.00	0.33	0.04	LC 1-4	
Min M _T				-8.07	0.19	▷	-0.53	-0.01	0.22	0.07	LC 1-5	
Max M _y				-9.44	0.14	▷	-0.87	-0.00	0.44	0.05	LC 1-5	
Min M _y				-8.89	0.17	▷	-0.39	-0.01	0.12	0.06	LC 1-4	
Max M _z				-9.48	0.34	▷	-0.75	-0.00	0.25	0.12	LC 1-4	
Min M _z				-8.85	-0.02	▷	-0.51	-0.00	0.31	-0.01	LC 1-5	
Max N				-6.73	0.12	▷	-0.53	-0.01	0.27	0.05	LC 1-4	
Min N				-11.59	0.20	▷	-0.73	-0.00	0.29	0.07	LC 1-5	
Max V _y				-9.61	0.34	▷	-0.77	-0.00	0.26	0.12	LC 1-4	
Min V _y				-8.71	-0.03	▷	-0.49	-0.00	0.30	-0.01	LC 1-5	
Max V _z				-8.52	0.11	▷	-0.35	-0.01	0.14	0.04	LC 1-4	
Min V _z	-9.80	0.20	▷	-0.91	-0.00	0.42	0.07	LC 1-5				
Max M _T	-10.26	0.12	▷	-0.74	0.00	0.33	0.04	LC 1-4				
Min M _T	-8.07	0.19	▷	-0.53	-0.01	0.22	0.07	LC 1-5				
Max M _y	-9.44	0.14	▷	-0.87	-0.00	0.44	0.05	LC 1-5				
Min M _y	-8.89	0.17	▷	-0.39	-0.01	0.12	0.06	LC 1-4				
Max M _z	-9.48	0.34	▷	-0.75	-0.00	0.25	0.12	LC 1-4				
Min M _z	-8.85	-0.02	▷	-0.51	-0.00	0.31	-0.01	LC 1-5				
Max N	-6.73	0.11	▷	-0.50	-0.01	0.21	0.03	LC 1-4				
Min N	-11.59	0.19	▷	-0.70	-0.00	0.21	0.05	LC 1-5				
Max V _y	-9.61	0.33	▷	-0.74	-0.00	0.18	0.08	LC 1-4				
Min V _y	-8.71	-0.03	▷	-0.46	-0.00	0.25	-0.00	LC 1-5				
Max V _z	-8.52	0.10	▷	-0.32	-0.01	0.10	0.03	LC 1-4				
Min V _z	-9.80	0.19	▷	-0.88	-0.00	0.33	0.05	LC 1-5				
Max M _T	-10.26	0.11	▷	-0.71	0.00	0.26	0.03	LC 1-4				
Min M _T	-8.07	0.19	▷	-0.50	-0.01	0.17	0.05	LC 1-5				
Max M _y	-9.35	0.12	▷	-0.83	-0.00	0.35	0.03	LC 1-5				
Min M _y	-8.97	0.17	▷	-0.37	-0.01	0.08	0.05	LC 1-4				
Max M _z	-9.42	0.33	▷	-0.72	-0.00	0.17	0.08	LC 1-4				
Min M _z	-8.90	-0.03	▷	-0.49	-0.00	0.26	-0.00	LC 1-5				
Max N	-6.71	0.02	▷	-0.16	-0.01	-0.12	-0.03	LC 1-4				



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
219	RC6	101	Left	Min N	-11.58	0.10	-0.37	-0.00	-0.36	-0.11	LC 1-5
				Max V _y	-9.59	0.25	-0.41	-0.00	-0.44	-0.24	LC 1-4
				Min V _y	-8.70	-0.12	-0.13	-0.00	-0.04	0.10	LC 1-5
				Max V _z	-8.51	0.02	0.01	-0.01	-0.02	-0.02	LC 1-4
				Min V _z	-9.78	0.11	-0.55	-0.00	-0.46	-0.11	LC 1-5
				Max M _T	-10.24	0.03	-0.37	0.00	-0.32	-0.03	LC 1-4
				Min M _T	-8.05	0.10	-0.16	-0.01	-0.16	-0.10	LC 1-5
				Max M _y	-7.99	-0.09	-0.03	-0.00	0.02	0.07	LC 1-4
				Min M _y	-10.30	0.21	-0.50	-0.00	-0.50	-0.21	LC 1-5
				Max M _z	-8.65	-0.12	-0.12	-0.00	-0.04	0.10	LC 1-5
				Min M _z	-9.64	0.25	-0.41	-0.00	-0.44	-0.24	LC 1-4
				Max N	-6.71	0.02	-0.16	-0.01	-0.12	-0.03	LC 1-4
			Right	Min N	-11.58	0.10	-0.37	-0.00	-0.36	-0.11	LC 1-5
				Max V _y	-9.59	0.25	-0.41	-0.00	-0.44	-0.24	LC 1-4
				Min V _y	-8.70	-0.12	-0.13	-0.00	-0.04	0.10	LC 1-5
				Max V _z	-8.51	0.02	0.01	-0.01	-0.02	-0.02	LC 1-4
				Min V _z	-9.78	0.11	-0.55	-0.00	-0.46	-0.11	LC 1-5
				Max M _T	-10.24	0.03	-0.37	0.00	-0.32	-0.03	LC 1-4
				Min M _T	-8.05	0.10	-0.16	-0.01	-0.16	-0.10	LC 1-5
				Max M _y	-7.99	-0.09	-0.03	-0.00	0.02	0.07	LC 1-4
				Min M _y	-10.30	0.21	-0.50	-0.00	-0.50	-0.21	LC 1-5
				Max M _z	-8.65	-0.12	-0.12	-0.00	-0.04	0.10	LC 1-5
				Min M _z	-9.64	0.25	-0.41	-0.00	-0.44	-0.24	LC 1-4
				Max N	-2.18	0.04	-0.08	-0.00	-0.03	0.01	CO 13
220	RC1	144	0.000	Min N	-3.50	0.06	0.03	-0.00	-0.03	0.02	CO 6
				Max V _y	-3.49	0.06	0.04	-0.00	-0.03	0.02	CO 1
				Min V _y	-2.19	0.04	-0.08	-0.00	-0.03	0.01	CO 12
				Max V _z	-3.49	0.06	0.04	-0.00	-0.03	0.02	CO 1
				Min V _z	-2.19	0.04	-0.08	-0.00	-0.03	0.01	CO 12
				Max M _T	-2.19	0.04	-0.08	-0.00	-0.03	0.01	CO 12
				Min M _T	-3.49	0.06	0.04	-0.00	-0.03	0.02	CO 1
				Max M _y	-3.50	0.06	0.03	-0.00	-0.03	0.02	CO 6
				Min M _y	-2.18	0.04	-0.08	-0.00	-0.03	0.01	CO 13
				Max M _z	-3.49	0.06	0.04	-0.00	-0.03	0.02	CO 1
				Min M _z	-2.19	0.04	-0.08	-0.00	-0.03	0.01	CO 12
		145	1.078	Max N	-2.59	0.04	0.70	-0.00	0.31	-0.03	CO 13
				Min N	-3.91	0.05	0.81	-0.00	0.43	-0.04	CO 6
				Max V _y	-3.90	0.06	0.81	-0.00	0.43	-0.04	CO 1
				Min V _y	-2.60	0.04	0.70	-0.00	0.30	-0.03	CO 12
				Max V _z	-3.90	0.06	0.81	-0.00	0.43	-0.04	CO 1
				Min V _z	-2.60	0.04	0.70	-0.00	0.30	-0.03	CO 12
				Max M _T	-2.60	0.04	0.70	-0.00	0.30	-0.03	CO 12
				Min M _T	-3.90	0.06	0.81	-0.00	0.43	-0.04	CO 1
				Max M _y	-3.90	0.06	0.81	-0.00	0.43	-0.04	CO 1
				Min M _y	-2.60	0.04	0.70	-0.00	0.30	-0.03	CO 12
				Max M _z	-2.60	0.04	0.70	-0.00	0.30	-0.03	CO 12
				Min M _z	-3.90	0.06	0.81	-0.00	0.43	-0.04	CO 1
	RC2	144	0.000	Max N	-1.48	0.02	-0.06	-0.00	-0.02	0.01	CO 27
				Min N	-2.46	0.04	0.03	-0.00	-0.02	0.01	CO 20
				Max V _y	-2.45	0.04	0.03	-0.00	-0.02	0.01	CO 15
				Min V _y	-1.49	0.02	-0.06	-0.00	-0.02	0.01	CO 26
				Max V _z	-2.45	0.04	0.03	-0.00	-0.02	0.01	CO 15
				Min V _z	-1.49	0.02	-0.06	-0.00	-0.02	0.01	CO 26
				Max M _T	-1.49	0.02	-0.06	-0.00	-0.02	0.01	CO 26
				Min M _T	-2.45	0.04	0.03	-0.00	-0.02	0.01	CO 15
				Max M _y	-2.46	0.04	0.03	-0.00	-0.02	0.01	CO 20
				Min M _y	-1.48	0.02	-0.06	-0.00	-0.02	0.01	CO 27
				Max M _z	-2.45	0.04	0.03	-0.00	-0.02	0.01	CO 15
				Min M _z	-1.49	0.02	-0.06	-0.00	-0.02	0.01	CO 26
		145	1.078	Max N	-1.75	0.02	0.46	-0.00	0.20	-0.02	CO 27
				Min N	-2.73	0.04	0.55	-0.00	0.29	-0.03	CO 20
				Max V _y	-2.72	0.04	0.55	-0.00	0.29	-0.03	CO 15
				Min V _y	-1.76	0.02	0.46	-0.00	0.20	-0.02	CO 26
				Max V _z	-2.72	0.04	0.55	-0.00	0.29	-0.03	CO 15
				Min V _z	-1.76	0.02	0.46	-0.00	0.20	-0.02	CO 26
				Max M _T	-1.76	0.02	0.46	-0.00	0.20	-0.02	CO 26
				Min M _T	-2.72	0.04	0.55	-0.00	0.29	-0.03	CO 15
				Max M _y	-2.72	0.04	0.55	-0.00	0.29	-0.03	CO 15
				Min M _y	-1.76	0.02	0.46	-0.00	0.20	-0.02	CO 26
				Max M _z	-1.76	0.02	0.46	-0.00	0.20	-0.02	CO 26
				Min M _z	-2.72	0.04	0.55	-0.00	0.29	-0.03	CO 15
	RC6	144	0.000	Max N	-0.79	0.03	0.10	-0.00	-0.02	0.01	LC 1-4
				Min N	-1.79	-0.01	-0.04	-0.00	0.05	-0.01	LC 1-5
				Max V _y	-1.03	0.04	0.12	-0.00	-0.02	0.01	LC 1-4
				Min V _y	-1.55	-0.02	-0.06	-0.00	0.05	-0.01	LC 1-5
				Max V _z	-1.00	0.03	0.13	-0.00	-0.02	0.01	LC 1-4
				Min V _z	-1.58	-0.02	-0.06	-0.00	0.05	-0.01	LC 1-5
				Max M _T	-1.51	-0.02	-0.06	-0.00	0.04	-0.01	LC 1-5
				Min M _T	-1.07	0.03	0.12	-0.00	-0.02	0.01	LC 1-4
				Max M _y	-1.76	-0.01	-0.04	-0.00	0.05	-0.01	LC 1-5
				Min M _y	-0.83	0.03	0.11	-0.00	-0.03	0.01	LC 1-4
				Max M _z	-1.03	0.04	0.12	-0.00	-0.02	0.01	LC 1-4
				Min M _z	-1.55	-0.02	-0.06	-0.00	0.05	-0.01	LC 1-5
	145	1.078		Max N	-0.81	0.03	0.14	-0.00	0.10	-0.02	LC 1-4
				Min N	-1.81	-0.01	-0.00	-0.00	0.03	0.00	LC 1-5
				Max V _y	-1.04	0.04	0.16	-0.00	0.13	-0.02	LC 1-4
				Min V _y	-1.57	-0.02	-0.02	-0.00	0.00	0.01	LC 1-5
				Max V _z	-1.02	0.03	0.16	-0.00	0.13	-0.02	LC 1-4
				Min V _z	-1.60	-0.02	-0.03	-0.00	0.00	0.01	LC 1-5
				Max M _T	-1.53	-0.02	-0.02	-0.00	0.00	0.01	LC 1-5
				Min M _T	-1.09	0.03	0.16	-0.00	0.13	-0.02	LC 1-4
				Max M _y	-1.03	0.03	0.16	-0.00	0.13	-0.02	LC 1-4

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
220	RC6			Min M _y	-1.58	-0.02	-0.03	-0.00	0.00	0.01	LC 1-5	
				Max M _z	-1.58	-0.02	-0.03	-0.00	0.00	0.01	LC 1-5	
				Min M _z	-1.04	0.04	0.16	-0.00	0.13	-0.02	LC 1-4	
222	RC1	144	0.000 Left	Max N	8.34	0.07	-0.82	0.01	0.11	0.01	CO 2	
				Min N	5.38	-0.01	-0.49	0.00	0.05	-0.01	CO 11	
				Max V _y	8.32	0.07	-0.82	0.01	0.11	0.01	CO 8	
				Min V _y	5.42	-0.01	-0.49	0.00	0.05	-0.01	CO 13	
				Max V _z	5.42	-0.01	-0.49	0.00	0.05	-0.01	CO 13	
				Min V _z	8.29	0.07	-0.82	0.01	0.11	0.01	CO 6	
				Max M _T	8.30	0.07	-0.82	0.01	0.10	0.01	CO 7	
				Min M _T	5.43	-0.01	-0.49	0.00	0.05	-0.01	CO 10	
				Max M _y	8.29	0.07	-0.82	0.01	0.11	0.01	CO 6	
				Min M _y	5.42	-0.01	-0.49	0.00	0.05	-0.01	CO 13	
			0.000 Right	Max M _z	8.29	0.07	-0.82	0.01	0.11	0.01	CO 6	
				Min M _z	5.42	-0.01	-0.49	0.00	0.05	-0.01	CO 13	
				Max N	8.34	0.07	-0.82	0.01	0.11	0.01	CO 2	
				Min N	5.38	-0.01	-0.49	0.00	0.05	-0.01	CO 11	
				Max V _y	8.32	0.07	-0.82	0.01	0.11	0.01	CO 8	
				Min V _y	5.42	-0.01	-0.49	0.00	0.05	-0.01	CO 13	
				Max V _z	5.42	-0.01	-0.49	0.00	0.05	-0.01	CO 13	
				Min V _z	8.29	0.07	-0.82	0.01	0.11	0.01	CO 6	
				Max M _T	8.30	0.07	-0.82	0.01	0.10	0.01	CO 7	
				Min M _T	5.43	-0.01	-0.49	0.00	0.05	-0.01	CO 10	
			0.105 Left	Max M _y	8.29	0.07	-0.82	0.01	0.11	0.01	CO 6	
				Min M _y	5.42	-0.01	-0.49	0.00	0.05	-0.01	CO 13	
				Max M _z	8.29	0.07	-0.82	0.01	0.11	0.01	CO 6	
				Min M _z	5.42	-0.01	-0.49	0.00	0.05	-0.01	CO 13	
				Max N	8.37	0.06	-0.71	0.01	0.03	-0.00	CO 2	
				Min N	5.42	-0.01	-0.41	0.00	0.00	-0.01	CO 11	
				Max V _y	8.36	0.06	-0.71	0.01	0.03	-0.00	CO 8	
				Min V _y	5.45	-0.01	-0.41	0.00	0.00	-0.01	CO 13	
				Max V _z	5.45	-0.01	-0.41	0.00	0.00	-0.01	CO 13	
				Min V _z	8.32	0.06	-0.71	0.01	0.03	-0.00	CO 6	
			0.105 Right	Max M _T	8.33	0.06	-0.71	0.01	0.02	-0.00	CO 7	
				Min M _T	5.46	-0.01	-0.41	0.00	0.00	-0.01	CO 10	
				Max M _y	8.32	0.06	-0.71	0.01	0.03	-0.00	CO 6	
				Min M _y	5.45	-0.01	-0.41	0.00	0.00	-0.01	CO 13	
				Max M _z	8.32	0.06	-0.71	0.01	0.03	-0.00	CO 6	
				Min M _z	5.45	-0.01	-0.41	0.00	0.00	-0.01	CO 13	
				Max N	8.37	0.06	-0.71	0.01	0.03	-0.00	CO 2	
				Min N	5.42	-0.01	-0.41	0.00	0.00	-0.01	CO 11	
				Max V _y	8.36	0.06	-0.71	0.01	0.03	-0.00	CO 8	
				Min V _y	5.45	-0.01	-0.41	0.00	0.00	-0.01	CO 13	
			1.284 Left	Max V _z	5.45	-0.01	-0.41	0.00	0.00	-0.01	CO 13	
				Min V _z	8.32	0.06	-0.71	0.01	0.03	-0.00	CO 6	
				Max M _T	8.33	0.06	-0.71	0.01	0.02	-0.00	CO 7	
				Min M _T	5.46	-0.01	-0.41	0.00	0.00	-0.01	CO 10	
				Max M _y	8.32	0.06	-0.71	0.01	0.03	-0.00	CO 6	
				Min M _y	5.45	-0.01	-0.41	0.00	0.00	-0.01	CO 13	
				Max M _z	8.32	0.06	-0.71	0.01	0.03	-0.00	CO 6	
				Min M _z	5.45	-0.01	-0.41	0.00	0.00	-0.01	CO 13	
				Max N	8.74	-0.05	0.56	0.01	0.02	0.02	CO 2	
				Min N	5.79	-0.01	0.47	0.00	0.04	0.00	CO 11	
1.284 Right	Max V _y	5.83	-0.01	0.47	0.00	0.04	0.00	CO 10				
	Min V _y	8.72	-0.05	0.56	0.01	0.02	0.02	CO 1				
	Max V _z	8.72	-0.05	0.56	0.01	0.02	0.02	CO 1				
	Min V _z	5.82	-0.01	0.47	0.00	0.04	0.00	CO 12				
	Max M _T	8.70	-0.05	0.56	0.01	0.02	0.02	CO 7				
	Min M _T	5.83	-0.01	0.47	0.00	0.04	0.00	CO 10				
	Max M _y	5.83	-0.01	0.48	0.00	0.04	0.00	CO 13				
	Min M _y	8.69	-0.05	0.56	0.01	0.02	0.02	CO 6				
	Max M _z	8.69	-0.05	0.56	0.01	0.02	0.02	CO 3				
	Min M _z	5.85	-0.01	0.47	0.00	0.04	0.00	CO 14				
RC2	144	0.000 Left	Max N	5.74	0.05	-0.58	0.00	0.08	0.00	CO 16		
			Min N	3.60	-0.01	-0.33	0.00	0.03	-0.00	CO 25		
			Max V _y	5.70	0.05	-0.58	0.00	0.08	0.00	CO 20		
			Min V _y	3.62	-0.01	-0.33	0.00	0.03	-0.00	CO 27		
			Max V _z	3.62	-0.01	-0.33	0.00	0.03	-0.00	CO 27		
			Min V _z	5.70	0.05	-0.58	0.00	0.08	0.00	CO 20		
			Max M _T	5.71	0.05	-0.58	0.00	0.07	0.00	CO 21		
			Min M _T	3.63	-0.01	-0.33	0.00	0.03	-0.00	CO 24		
			Max M _y	5.70	0.05	-0.58	0.00	0.08	0.00	CO 20		
			Min M _y	3.62	-0.01	-0.33	0.00	0.03	-0.00	CO 27		
		0.000 Right	Max M _z	5.70	0.05	-0.58	0.00	0.08	0.00	CO 20		
			Min M _z	3.62	-0.01	-0.33	0.00	0.03	-0.00	CO 27		
			Max N	5.74	0.05	-0.58	0.00	0.08	0.00	CO 16		
			Min N	3.60	-0.01	-0.33	0.00	0.03	-0.00	CO 25		
			Max V _y	5.70	0.05	-0.58	0.00	0.08	0.00	CO 20		
			Min V _y	3.62	-0.01	-0.33	0.00	0.03	-0.00	CO 27		
			Max V _z	3.62	-0.01	-0.33	0.00	0.03	-0.00	CO 27		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding		
					N	V _y	V _z	M _T	M _y	M _z	Load Cases		
222	RC2			0.105 Left	Min V _z	5.70	0.05	▷	-0.58	0.00	0.08	0.00	CO 20
					Max M _T	5.71	0.05		-0.58	0.00	0.07	0.00	CO 21
					Min M _T	3.63	-0.01	▷	-0.33	0.00	0.03	-0.00	CO 24
					Max M _y	5.70	0.05		-0.58	0.00	0.08	0.00	CO 20
					Min M _y	3.62	-0.01	▷	-0.33	0.00	0.03	-0.00	CO 27
					Max M _z	5.70	0.05		-0.58	0.00	0.08	0.00	CO 20
					Min M _z	3.62	-0.01	▷	-0.33	0.00	0.03	-0.00	CO 27
					Max N	5.77	0.04		-0.50	0.00	0.02	-0.00	CO 16
					Min N	3.62	-0.01	▷	-0.28	0.00	0.00	-0.00	CO 25
					Max V _y	5.73	0.04	▷	-0.50	0.00	0.02	-0.00	CO 20
					Min V _y	3.64	-0.01	▷	-0.27	0.00	0.00	-0.00	CO 27
					Max V _z	3.64	-0.01	▷	-0.27	0.00	0.00	-0.00	CO 27
					Min V _z	5.73	0.04	▷	-0.50	0.00	0.02	-0.00	CO 20
					Max M _T	5.74	0.04		-0.50	0.00	0.02	-0.00	CO 21
					Min M _T	3.65	-0.01	▷	-0.28	0.00	0.00	-0.00	CO 24
					Max M _y	5.73	0.04		-0.50	0.00	0.02	-0.00	CO 20
					Min M _y	3.64	-0.01	▷	-0.27	0.00	0.00	-0.00	CO 27
					Max M _z	5.74	0.04		-0.50	0.00	0.02	-0.00	CO 18
					Min M _z	3.64	-0.01	▷	-0.27	0.00	0.00	-0.00	CO 27
					Max N	5.77	0.04		-0.50	0.00	0.02	-0.00	CO 16
					Min N	3.62	-0.01	▷	-0.28	0.00	0.00	-0.00	CO 25
					Max V _y	5.73	0.04	▷	-0.50	0.00	0.02	-0.00	CO 20
					Min V _y	3.64	-0.01	▷	-0.27	0.00	0.00	-0.00	CO 27
					Max V _z	3.64	-0.01	▷	-0.27	0.00	0.00	-0.00	CO 27
					Min V _z	5.73	0.04	▷	-0.50	0.00	0.02	-0.00	CO 20
					Max M _T	5.74	0.04		-0.50	0.00	0.02	-0.00	CO 21
					Min M _T	3.65	-0.01	▷	-0.28	0.00	0.00	-0.00	CO 24
					Max M _y	5.73	0.04		-0.50	0.00	0.02	-0.00	CO 20
					Min M _y	3.64	-0.01	▷	-0.27	0.00	0.00	-0.00	CO 27
					Max M _z	5.74	0.04		-0.50	0.00	0.02	-0.00	CO 18
				Min M _z	3.64	-0.01	▷	-0.27	0.00	0.00	-0.00	CO 27	
				Max N	6.02	-0.04		0.38	0.00	0.01	0.01	CO 16	
				Min N	3.87	-0.00	▷	0.32	0.00	0.03	0.00	CO 25	
				Max V _y	3.89	-0.00	▷	0.32	0.00	0.03	0.00	CO 26	
				Min V _y	5.97	-0.04	▷	0.38	0.00	0.01	0.01	CO 17	
				Max V _z	6.00	-0.04	▷	0.38	0.00	0.01	0.01	CO 15	
				Min V _z	3.89	-0.00	▷	0.32	0.00	0.03	0.00	CO 26	
				Max M _T	5.99	-0.04	▷	0.38	0.00	0.01	0.01	CO 21	
				Min M _T	3.90	-0.00	▷	0.32	0.00	0.03	0.00	CO 24	
				Max M _y	3.89	-0.00	▷	0.32	0.00	0.03	0.00	CO 27	
				Min M _y	5.98	-0.04	▷	0.38	0.00	0.01	0.01	CO 20	
				Max M _z	5.96	-0.04	▷	0.38	0.00	0.01	0.01	CO 19	
				Min M _z	3.91	-0.00	▷	0.32	0.00	0.03	0.00	CO 28	
				Max N	6.02	-0.04		0.38	0.00	0.01	0.01	CO 16	
				Min N	3.87	-0.00	▷	0.32	0.00	0.03	0.00	CO 25	
				Max V _y	3.89	-0.00	▷	0.32	0.00	0.03	0.00	CO 26	
				Min V _y	5.97	-0.04	▷	0.38	0.00	0.01	0.01	CO 17	
				Max V _z	6.00	-0.04	▷	0.38	0.00	0.01	0.01	CO 15	
				Min V _z	3.89	-0.00	▷	0.32	0.00	0.03	0.00	CO 26	
				Max M _T	5.99	-0.04	▷	0.38	0.00	0.01	0.01	CO 21	
				Min M _T	3.90	-0.00	▷	0.32	0.00	0.03	0.00	CO 24	
				Max M _y	3.89	-0.00	▷	0.32	0.00	0.03	0.00	CO 27	
				Min M _y	5.98	-0.04	▷	0.38	0.00	0.01	0.01	CO 20	
				Max M _z	5.96	-0.04	▷	0.38	0.00	0.01	0.01	CO 19	
				Min M _z	3.91	-0.00	▷	0.32	0.00	0.03	0.00	CO 28	
				Max N	5.08	0.06		-0.23	0.00	-0.01	0.01	LC 1-4	
				Min N	-0.82	0.06	▷	-0.36	0.00	0.10	0.01	LC 1-5	
				Max V _y	3.12	0.06	▷	-0.27	0.00	0.02	0.01	LC 1-5	
				Min V _y	1.15	0.05	▷	-0.32	0.00	0.07	0.00	LC 1-4	
				Max V _z	4.61	0.06	▷	-0.22	0.00	-0.02	0.01	LC 1-4	
Min V _z	-0.34	0.06	▷	-0.37	0.00	0.12	0.01	LC 1-5					
Max M _T	1.39	0.05	▷	-0.32	0.00	0.07	0.00	LC 1-5					
Min M _T	2.88	0.06	▷	-0.27	0.00	0.03	0.01	LC 1-4					
Max M _y	-0.23	0.06	▷	-0.37	0.00	0.12	0.01	LC 1-5					
Min M _y	4.49	0.06	▷	-0.22	0.00	-0.02	0.01	LC 1-4					
Max M _z	2.88	0.06	▷	-0.27	0.00	0.03	0.01	LC 1-5					
Min M _z	1.39	0.05	▷	-0.32	0.00	0.07	0.01	LC 1-4					
Max N	5.08	0.05		-0.20	0.00	-0.03	0.00	LC 1-4					
Min N	-0.82	0.05	▷	-0.33	0.00	0.07	0.00	LC 1-5					
Max V _y	3.12	0.06	▷	-0.24	0.00	-0.01	0.01	LC 1-5					
Min V _y	1.15	0.04	▷	-0.29	0.00	0.04	-0.00	LC 1-4					
Max V _z	4.61	0.05	▷	-0.19	0.00	-0.04	0.00	LC 1-4					
Min V _z	-0.34	0.05	▷	-0.34	0.00	0.08	0.00	LC 1-5					
Max M _T	1.39	0.04	▷	-0.29	0.00	0.04	-0.00	LC 1-5					
Min M _T	2.88	0.06	▷	-0.24	0.00	0.00	0.01	LC 1-4					
Max M _y	-0.21	0.05	▷	-0.34	0.00	0.08	0.00	LC 1-5					
Min M _y	4.48	0.05	▷	-0.19	0.00	-0.04	0.00	LC 1-4					
Max M _z	2.85	0.06	▷	-0.24	0.00	0.00	0.01	LC 1-5					
Min M _z	1.41	0.04	▷	-0.29	0.00	0.04	-0.00	LC 1-4					
Max N	5.08	0.05		-0.20	0.00	-0.03	0.00	LC 1-4					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases		
				N	V _y	V _z	M _T	M _y	M _z					
222	RC6		Right	Min N	▷ -0.82	0.05	-0.33	0.00	0.07	0.00	LC 1-5			
				Max V _y	▷ 3.12	0.06	-0.24	0.00	-0.01	0.01	LC 1-5			
				Min V _y	▷ 1.15	0.04	-0.29	0.00	0.04	-0.00	LC 1-4			
				Max V _z	▷ 4.61	0.05	-0.19	0.00	-0.04	0.00	LC 1-4			
				Min V _z	▷ -0.34	0.05	-0.34	0.00	0.08	0.00	LC 1-5			
				Max M _T	▷ 1.39	0.04	-0.29	▷ 0.00	0.04	-0.00	LC 1-5			
				Min M _T	▷ 2.88	0.06	-0.24	▷ 0.00	0.00	0.01	LC 1-4			
				Max M _y	▷ -0.21	0.05	-0.34	▷ 0.00	0.08	0.00	LC 1-5			
				Min M _y	▷ 4.48	0.05	-0.19	▷ 0.00	-0.04	0.00	LC 1-4			
				Max M _z	▷ 2.85	0.06	-0.24	▷ 0.00	0.00	0.01	LC 1-5			
				Min M _z	▷ 1.41	0.04	-0.29	▷ 0.00	0.04	-0.00	LC 1-4			
				1.284 Left	Max N	▷ 5.10	-0.03	0.12	0.00	-0.02	0.01	LC 1-4		
					Min N	▷ -0.80	-0.04	0.00	0.00	-0.06	0.01	LC 1-5		
					Max V _y	▷ 3.14	▷ -0.03	0.09	0.00	-0.03	0.01	LC 1-5		
					Min V _y	▷ 1.16	▷ -0.04	0.04	0.00	-0.05	0.01	LC 1-4		
					Max V _z	▷ 4.63	▷ -0.03	0.14	0.00	-0.02	0.01	LC 1-4		
					Min V _z	▷ -0.33	▷ -0.03	-0.01	0.00	-0.07	0.01	LC 1-5		
					Max M _T	▷ 1.40	-0.04	0.04	▷ 0.00	-0.05	0.01	LC 1-5		
					Min M _T	▷ 2.90	-0.03	0.08	▷ 0.00	-0.03	0.01	LC 1-4		
					Max M _y	▷ 4.87	-0.03	0.13	▷ 0.00	-0.02	0.01	LC 1-4		
			Min M _y		▷ -0.57	-0.03	-0.01	▷ 0.00	-0.07	0.01	LC 1-5			
			140	Max M _z	▷ 1.08	-0.04	0.04	0.00	-0.05	0.01	LC 1-4			
				Min M _z	▷ 3.22	-0.03	0.09	0.00	-0.03	▷ 0.01	LC 1-5			
				1.284 Right	Max N	▷ 5.10	-0.03	0.12	0.00	-0.02	0.01	LC 1-4		
					Min N	▷ -0.80	-0.04	0.00	0.00	-0.06	0.01	LC 1-5		
					Max V _y	▷ 3.14	▷ -0.03	0.09	0.00	-0.03	0.01	LC 1-5		
					Min V _y	▷ 1.16	▷ -0.04	0.04	0.00	-0.05	0.01	LC 1-4		
					Max V _z	▷ 4.63	▷ -0.03	0.14	0.00	-0.02	0.01	LC 1-4		
					Min V _z	▷ -0.33	▷ -0.03	-0.01	0.00	-0.07	0.01	LC 1-5		
					Max M _T	▷ 1.40	-0.04	0.04	▷ 0.00	-0.05	0.01	LC 1-5		
					Min M _T	▷ 2.90	-0.03	0.08	▷ 0.00	-0.03	0.01	LC 1-4		
			Max M _y		▷ 4.87	-0.03	0.13	0.00	-0.02	0.01	LC 1-4			
			Min M _y		▷ -0.57	-0.03	-0.01	▷ 0.00	-0.07	0.01	LC 1-5			
			223	RC1	144	0.000 Left	Min M _z	▷ 3.22	-0.03	0.09	0.00	-0.03	▷ 0.01	LC 1-5
							Max N	▷ -2.97	-0.03	-0.07	0.00	-0.04	-0.01	CO 13
							Min N	▷ -4.33	-0.05	-0.29	0.01	-0.04	-0.01	CO 6
							Max V _y	▷ -2.98	-0.03	-0.08	0.00	-0.04	-0.01	CO 12
							Min V _y	▷ -4.31	▷ -0.05	-0.29	0.01	-0.04	-0.01	CO 1
							Max V _z	▷ -2.97	▷ -0.03	-0.07	0.00	-0.04	-0.01	CO 13
							Min V _z	▷ -4.33	▷ -0.05	-0.29	0.01	-0.04	-0.01	CO 6
Max M _T	▷ -4.32	-0.05					-0.29	▷ 0.01	-0.04	-0.01	CO 2			
Min M _T	▷ -2.97	-0.03					-0.07	▷ 0.00	-0.04	-0.01	CO 11			
Max M _y	▷ -2.98	-0.03					-0.08	0.00	-0.04	-0.01	CO 12			
Min M _y	▷ -4.31	-0.05					-0.29	0.01	-0.04	-0.01	CO 1			
Max M _z	▷ -2.98	-0.03					-0.08	0.00	-0.04	▷ -0.01	CO 12			
Min M _z	▷ -4.31	-0.05					-0.29	0.01	-0.04	▷ -0.01	CO 1			
0.000 Right	Max N	▷ -2.97					-0.03	-0.07	0.00	-0.04	-0.01	CO 13		
	Min N	▷ -4.33					-0.05	-0.29	0.01	-0.04	-0.01	CO 6		
	Max V _y	▷ -2.98					-0.03	-0.08	0.00	-0.04	-0.01	CO 12		
	Min V _y	▷ -4.31					-0.05	-0.29	0.01	-0.04	-0.01	CO 1		
	Max V _z	▷ -2.97					▷ -0.03	-0.07	0.00	-0.04	-0.01	CO 13		
	Min V _z	▷ -4.33					-0.05	-0.29	0.01	-0.04	-0.01	CO 6		
	Max M _T	▷ -4.32					-0.05	-0.29	▷ 0.01	-0.04	-0.01	CO 2		
	Min M _T	▷ -2.97				-0.03	-0.07	▷ 0.00	-0.04	-0.01	CO 11			
	Max M _y	▷ -2.98				-0.03	-0.08	0.00	-0.04	-0.01	CO 12			
	Min M _y	▷ -4.31				-0.05	-0.29	0.01	-0.04	-0.01	CO 1			
	Max M _z	▷ -2.98				-0.03	-0.08	0.00	-0.04	▷ -0.01	CO 12			
	Min M _z	▷ -4.31				-0.05	-0.29	0.01	-0.04	▷ -0.01	CO 1			
	0.105 Left	Max N				▷ -3.01	-0.03	0.00	0.00	-0.04	-0.00	CO 13		
		Min N				▷ -4.37	-0.05	-0.18	0.01	-0.07	-0.01	CO 6		
		Max V _y				▷ -3.02	▷ -0.03	0.00	0.00	-0.04	-0.00	CO 12		
		Min V _y				▷ -4.35	▷ -0.05	-0.18	0.01	-0.07	-0.01	CO 1		
		Max V _z				▷ -3.01	-0.03	0.00	0.00	-0.04	-0.00	CO 13		
		Min V _z				▷ -4.37	-0.05	-0.18	0.01	-0.07	-0.01	CO 6		
		Max M _T				▷ -4.36	-0.05	-0.18	▷ 0.01	-0.07	-0.01	CO 2		
		Min M _T				▷ -3.01	-0.03	0.00	▷ 0.00	-0.04	-0.00	CO 11		
Max M _y		▷ -3.02				-0.03	0.00	0.00	-0.04	-0.00	CO 12			
Min M _y		▷ -4.35				-0.05	-0.18	0.01	-0.07	-0.01	CO 1			
Max M _z		▷ -3.02				-0.03	0.00	0.00	-0.04	▷ -0.00	CO 12			
Min M _z		▷ -4.35				-0.05	-0.18	0.01	-0.07	▷ -0.01	CO 1			
0.105 Right		Max N				▷ -3.01	-0.03	0.00	0.00	-0.04	-0.00	CO 13		
		Min N				▷ -4.37	-0.05	-0.18	0.01	-0.07	-0.01	CO 6		
		Max V _y				▷ -3.02	▷ -0.03	0.00	0.00	-0.04	-0.00	CO 12		
		Min V _y	▷ -4.35	▷ -0.05	-0.18	0.01	-0.07	-0.01	CO 1					
		Max V _z	▷ -3.01	-0.03	0.00	0.00	-0.04	-0.00	CO 13					
		Min V _z	▷ -4.37	-0.05	-0.18	0.01	-0.07	-0.01	CO 6					
		Max M _T	▷ -4.36	-0.05	-0.18	▷ 0.01	-0.07	-0.01	CO 2					
		Min M _T	▷ -3.01	-0.03	0.00	▷ 0.00	-0.04	-0.00	CO 11					
	Max M _y	▷ -3.02	-0.03	0.00	0.00	-0.04	-0.00	CO 12						
	Min M _y	▷ -4.35	-0.05	-0.18	0.01	-0.07	-0.01	CO 1						
	Max M _z	▷ -3.02	-0.03	0.00	0.00	-0.04	▷ -0.00	CO 12						
	Min M _z	▷ -4.35	-0.05	-0.18	0.01	-0.07	▷ -0.01	CO 1						
	1.074 Left	Max N	▷ -3.37	-0.03	0.70	0.00	0.30	0.02	CO 13					
		Min N	▷ -4.74	-0.04	1.58	0.01	0.56	0.04	CO 6					
		Max V _y	▷ -3.39	-0.03	0.70	0.00	0.30	0.02	CO 12					
		Min V _y	▷ -4.72	-0.05	1.59	0.01	0.56	0.04	CO 1					
		Max V _z	▷ -4.72	-0.05	1.59	0.01	0.56	0.04	CO 1					
		Min V _z	▷ -3.39	-0.03	0.70	0.00	0.30	0.02	CO 12					
		Max M _T	▷ -4.73	-0.04	1.58	▷ 0.01	0.56	0.04	CO 2					
		Min M _T	▷ -3.38	-0.03	0.70	▷ 0.00	0.30	0.02	CO 11					
Max M _y		▷ -4.73	-0.04	1.58	▷ 0.01	0.56	0.04	CO 2						

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
223	RC1	146	1.074 Right	Min M _y	-3.38	-0.03	0.70	0.00	0.30	0.02	CO 11
				Max M _z	-4.72	-0.05	1.59	0.01	0.56	0.04	CO 1
				Min M _z	-3.39	-0.03	0.70	0.00	0.30	0.02	CO 12
				Max N	-3.37	-0.03	0.70	0.00	0.30	0.02	CO 13
				Min N	-4.74	-0.04	1.58	0.01	0.56	0.04	CO 6
				Max V _y	-3.39	-0.03	0.70	0.00	0.30	0.02	CO 12
				Min V _y	-4.72	-0.05	1.59	0.01	0.56	0.04	CO 1
				Max V _z	-4.72	-0.05	1.59	0.01	0.56	0.04	CO 1
				Min V _z	-3.39	-0.03	0.70	0.00	0.30	0.02	CO 12
				Max M _T	-4.73	-0.04	1.58	0.01	0.56	0.04	CO 2
				Min M _T	-3.38	-0.03	0.70	0.00	0.30	0.02	CO 11
				Max M _y	-4.73	-0.04	1.58	0.01	0.56	0.04	CO 2
				Min M _y	-3.38	-0.03	0.70	0.00	0.30	0.02	CO 11
				Max M _z	-4.72	-0.05	1.59	0.01	0.56	0.04	CO 1
				Min M _z	-3.39	-0.03	0.70	0.00	0.30	0.02	CO 12
		144	0.000 Left	Max N	-2.01	-0.02	-0.05	0.00	-0.03	-0.00	CO 27
				Min N	-3.02	-0.03	-0.21	0.00	-0.03	-0.01	CO 20
				Max V _y	-2.02	-0.02	-0.06	0.00	-0.03	-0.00	CO 26
				Min V _y	-3.01	-0.03	-0.21	0.00	-0.03	-0.01	CO 15
				Max V _z	-2.01	-0.02	-0.05	0.00	-0.03	-0.00	CO 27
				Min V _z	-3.02	-0.03	-0.21	0.00	-0.03	-0.01	CO 20
				Max M _T	-3.02	-0.03	-0.21	0.00	-0.03	-0.01	CO 16
				Min M _T	-2.02	-0.02	-0.05	0.00	-0.03	-0.00	CO 25
				Max M _y	-2.02	-0.02	-0.06	0.00	-0.03	-0.00	CO 26
				Min M _y	-3.01	-0.03	-0.21	0.00	-0.03	-0.01	CO 15
				Max M _z	-2.02	-0.02	-0.06	0.00	-0.03	-0.00	CO 26
				Min M _z	-3.01	-0.03	-0.21	0.00	-0.03	-0.01	CO 15
			0.000 Right	Max N	-2.01	-0.02	-0.05	0.00	-0.03	-0.00	CO 27
				Min N	-3.02	-0.03	-0.21	0.00	-0.03	-0.01	CO 20
				Max V _y	-2.02	-0.02	-0.06	0.00	-0.03	-0.00	CO 26
				Min V _y	-3.01	-0.03	-0.21	0.00	-0.03	-0.01	CO 15
				Max V _z	-2.01	-0.02	-0.05	0.00	-0.03	-0.00	CO 27
				Min V _z	-3.02	-0.03	-0.21	0.00	-0.03	-0.01	CO 20
				Max M _T	-3.02	-0.03	-0.21	0.00	-0.03	-0.01	CO 16
				Min M _T	-2.02	-0.02	-0.05	0.00	-0.03	-0.00	CO 25
				Max M _y	-2.02	-0.02	-0.06	0.00	-0.03	-0.00	CO 26
				Min M _y	-3.01	-0.03	-0.21	0.00	-0.03	-0.01	CO 15
				Max M _z	-2.02	-0.02	-0.06	0.00	-0.03	-0.00	CO 26
				Min M _z	-3.01	-0.03	-0.21	0.00	-0.03	-0.01	CO 15
			0.105 Left	Max N	-2.04	-0.02	-0.00	0.00	-0.03	-0.00	CO 27
				Min N	-3.05	-0.03	-0.14	0.00	-0.04	-0.00	CO 20
				Max V _y	-2.05	-0.02	-0.00	0.00	-0.03	-0.00	CO 26
				Min V _y	-3.04	-0.03	-0.14	0.00	-0.05	-0.00	CO 15
				Max V _z	-2.04	-0.02	-0.00	0.00	-0.03	-0.00	CO 27
				Min V _z	-3.05	-0.03	-0.14	0.00	-0.04	-0.00	CO 20
				Max M _T	-3.04	-0.03	-0.14	0.00	-0.05	-0.00	CO 16
				Min M _T	-2.05	-0.02	-0.00	0.00	-0.03	-0.00	CO 25
				Max M _y	-2.05	-0.02	-0.00	0.00	-0.03	-0.00	CO 26
				Min M _y	-3.04	-0.03	-0.14	0.00	-0.05	-0.00	CO 15
				Max M _z	-2.05	-0.02	-0.00	0.00	-0.03	-0.00	CO 26
				Min M _z	-3.04	-0.03	-0.14	0.00	-0.05	-0.00	CO 15
			0.105 Right	Max N	-2.04	-0.02	-0.00	0.00	-0.03	-0.00	CO 27
				Min N	-3.05	-0.03	-0.14	0.00	-0.04	-0.00	CO 20
				Max V _y	-2.05	-0.02	-0.00	0.00	-0.03	-0.00	CO 26
				Min V _y	-3.04	-0.03	-0.14	0.00	-0.05	-0.00	CO 15
				Max V _z	-2.04	-0.02	-0.00	0.00	-0.03	-0.00	CO 27
				Min V _z	-3.05	-0.03	-0.14	0.00	-0.04	-0.00	CO 20
				Max M _T	-3.04	-0.03	-0.14	0.00	-0.05	-0.00	CO 16
				Min M _T	-2.05	-0.02	-0.00	0.00	-0.03	-0.00	CO 25
				Max M _y	-2.05	-0.02	-0.00	0.00	-0.03	-0.00	CO 26
				Min M _y	-3.04	-0.03	-0.14	0.00	-0.05	-0.00	CO 15
				Max M _z	-2.05	-0.02	-0.00	0.00	-0.03	-0.00	CO 26
				Min M _z	-3.04	-0.03	-0.14	0.00	-0.05	-0.00	CO 15
		146	1.074 Right	Max N	-2.29	-0.02	0.46	0.00	0.19	0.01	CO 27
				Min N	-3.30	-0.03	1.12	0.00	0.39	0.03	CO 20
				Max V _y	-2.30	-0.02	0.46	0.00	0.20	0.01	CO 26
				Min V _y	-3.28	-0.03	1.12	0.00	0.39	0.03	CO 15
				Max V _z	-3.28	-0.03	1.12	0.00	0.39	0.03	CO 15
				Min V _z	-2.30	-0.02	0.46	0.00	0.20	0.01	CO 26
				Max M _T	-3.29	-0.03	1.12	0.00	0.39	0.03	CO 16
				Min M _T	-2.29	-0.02	0.46	0.00	0.19	0.01	CO 25
				Max M _y	-3.29	-0.03	1.12	0.00	0.39	0.03	CO 16
				Min M _y	-2.29	-0.02	0.46	0.00	0.19	0.01	CO 25
				Max M _z	-3.28	-0.03	1.12	0.00	0.39	0.03	CO 15
				Min M _z	-2.30	-0.02	0.46	0.00	0.20	0.01	CO 26
			146	1.074 Right	Max N	-2.29	-0.02	0.46	0.00	0.19	CO 27
					Min N	-3.30	-0.03	1.12	0.00	0.39	CO 20
					Max V _y	-2.30	-0.02	0.46	0.00	0.20	CO 26
					Min V _y	-3.28	-0.03	1.12	0.00	0.39	CO 15
					Max V _z	-3.28	-0.03	1.12	0.00	0.39	CO 15
					Min V _z	-2.30	-0.02	0.46	0.00	0.20	CO 26
					Max M _T	-3.29	-0.03	1.12	0.00	0.39	CO 16
					Min M _T	-2.29	-0.02	0.46	0.00	0.19	CO 25
					Max M _y	-3.29	-0.03	1.12	0.00	0.39	CO 16
					Min M _y	-2.29	-0.02	0.46	0.00	0.19	CO 25
					Max M _z	-3.28	-0.03	1.12	0.00	0.39	CO 15
					Min M _z	-2.30	-0.02	0.46	0.00	0.20	CO 26
	RC6	144	0.000 Left	Max N	-0.89	-0.02	-0.13	0.00	-0.03	-0.01	LC 1-4
				Min N	-1.98	0.02	-0.32	0.00	0.06	0.01	LC 1-5
				Max V _y	-1.71	0.03	-0.35	0.00	0.06	0.01	LC 1-5
				Min V _y	-1.17	-0.04	-0.10	0.00	-0.04	-0.01	LC 1-4
				Max V _z	-1.13	-0.04	-0.10	0.00	-0.04	-0.01	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding	
				N	V _y	V _z	M _T	M _y	M _z	Load Cases			
223	RC6			0.000 Right	Min V _z	-1.74	0.03	▷	-0.35	0.00	0.06	0.01	LC 1-5
					Max M _T	-1.16	-0.04	▷	-0.10	0.00	-0.01	LC 1-4	
					Min M _T	-1.71	0.03	▷	-0.35	0.00	0.06	0.01	LC 1-5
					Max M _y	-1.74	0.03	▷	-0.35	0.00	0.06	0.01	LC 1-5
					Min M _y	-1.14	-0.04	▷	-0.10	0.00	-0.04	-0.01	LC 1-4
					Max M _z	-1.70	0.03	▷	-0.35	0.00	0.06	0.01	LC 1-5
					Min M _z	-1.18	-0.04	▷	-0.10	0.00	-0.04	-0.01	LC 1-4
					Max N	-0.89	-0.02	▷	-0.13	0.00	-0.03	-0.01	LC 1-4
					Min N	-1.98	0.02	▷	-0.32	0.00	0.06	0.01	LC 1-5
					Max V _y	-1.71	▷	0.03	-0.35	0.00	0.06	0.01	LC 1-5
					Min V _y	-1.17	▷	-0.04	-0.10	0.00	-0.04	-0.01	LC 1-4
					Max V _z	-1.13	-0.04	▷	-0.10	0.00	-0.04	-0.01	LC 1-4
					Min V _z	-1.74	0.03	▷	-0.35	0.00	0.06	0.01	LC 1-5
					Max M _T	-1.16	-0.04	▷	-0.10	0.00	-0.04	-0.01	LC 1-4
					Min M _T	-1.71	0.03	▷	-0.35	0.00	0.06	0.01	LC 1-5
					Max M _y	-1.74	0.03	▷	-0.35	0.00	0.06	0.01	LC 1-5
					Min M _y	-1.14	-0.04	▷	-0.10	0.00	-0.04	-0.01	LC 1-4
					Max M _z	-1.70	0.03	▷	-0.35	0.00	0.06	0.01	LC 1-5
					Min M _z	-1.18	-0.04	▷	-0.10	0.00	-0.04	-0.01	LC 1-4
					Max N	-0.89	-0.02	▷	-0.10	0.00	-0.04	-0.01	LC 1-4
					Min N	-1.98	0.02	▷	-0.29	0.00	0.02	0.01	LC 1-5
					Max V _y	-1.71	▷	0.03	-0.32	0.00	0.03	0.01	LC 1-5
					Min V _y	-1.17	▷	-0.04	-0.07	0.00	-0.05	-0.01	LC 1-4
					Max V _z	-1.14	-0.04	▷	-0.07	0.00	-0.05	-0.01	LC 1-4
				Min V _z	-1.74	0.03	▷	-0.32	0.00	0.03	0.01	LC 1-5	
				Max M _T	-1.16	-0.04	▷	-0.07	0.00	-0.05	-0.01	LC 1-4	
				Min M _T	-1.72	0.03	▷	-0.32	0.00	0.03	0.01	LC 1-5	
				Max M _y	-1.92	0.02	▷	-0.31	0.00	0.03	0.01	LC 1-5	
				Min M _y	-0.95	-0.03	▷	-0.09	0.00	-0.05	-0.01	LC 1-4	
				Max M _z	-1.69	0.03	▷	-0.32	0.00	0.03	0.01	LC 1-5	
				Min M _z	-1.18	-0.04	▷	-0.07	0.00	-0.05	-0.01	LC 1-4	
				Max N	-0.89	-0.02	▷	-0.10	0.00	-0.04	-0.01	LC 1-4	
				Min N	-1.98	0.02	▷	-0.29	0.00	0.02	0.01	LC 1-5	
				Max V _y	-1.71	▷	0.03	-0.32	0.00	0.03	0.01	LC 1-5	
				Min V _y	-1.17	▷	-0.04	-0.07	0.00	-0.05	-0.01	LC 1-4	
				Max V _z	-1.14	-0.04	▷	-0.07	0.00	-0.05	-0.01	LC 1-4	
				Min V _z	-1.74	0.03	▷	-0.32	0.00	0.03	0.01	LC 1-5	
				Max M _T	-1.16	-0.04	▷	-0.07	0.00	-0.05	-0.01	LC 1-4	
				Min M _T	-1.72	0.03	▷	-0.32	0.00	0.03	0.01	LC 1-5	
				Max M _y	-1.92	0.02	▷	-0.31	0.00	0.03	0.01	LC 1-5	
				Min M _y	-0.95	-0.03	▷	-0.09	0.00	-0.05	-0.01	LC 1-4	
				Max M _z	-1.69	0.03	▷	-0.32	0.00	0.03	0.01	LC 1-5	
				Min M _z	-1.18	-0.04	▷	-0.07	0.00	-0.05	-0.01	LC 1-4	
				Max N	-0.91	-0.02	▷	0.72	0.00	0.22	0.02	LC 1-4	
				Min N	-2.00	0.02	▷	0.53	0.00	0.09	-0.01	LC 1-5	
				Max V _y	-1.72	▷	0.03	0.50	0.00	0.07	-0.02	LC 1-5	
				Min V _y	-1.18	▷	-0.04	0.75	0.00	0.24	0.03	LC 1-4	
				Max V _z	-1.15	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4	
				Min V _z	-1.76	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5	
				Max M _T	-1.18	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4	
				Min M _T	-1.73	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5	
				Max M _y	-1.15	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4	
				Min M _y	-1.75	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5	
				Max M _z	-1.18	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4	
				Min M _z	-1.73	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5	
				Max N	-0.91	-0.02	▷	0.72	0.00	0.22	0.02	LC 1-4	
				Min N	-2.00	0.02	▷	0.53	0.00	0.09	-0.01	LC 1-5	
				Max V _y	-1.72	▷	0.03	0.50	0.00	0.07	-0.02	LC 1-5	
				Min V _y	-1.18	▷	-0.04	0.75	0.00	0.24	0.03	LC 1-4	
				Max V _z	-1.15	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4	
Min V _z	-1.76	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5					
Max M _T	-1.18	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4					
Min M _T	-1.73	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5					
Max M _y	-1.15	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4					
Min M _y	-1.75	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5					
Max M _z	-1.18	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4					
Min M _z	-1.73	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5					
Max N	-0.91	-0.02	▷	0.72	0.00	0.22	0.02	LC 1-4					
Min N	-2.00	0.02	▷	0.53	0.00	0.09	-0.01	LC 1-5					
Max V _y	-1.72	▷	0.03	0.50	0.00	0.07	-0.02	LC 1-5					
Min V _y	-1.18	▷	-0.04	0.75	0.00	0.24	0.03	LC 1-4					
Max V _z	-1.15	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4					
Min V _z	-1.76	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5					
Max M _T	-1.18	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4					
Min M _T	-1.73	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5					
Max M _y	-1.15	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4					
Min M _y	-1.75	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5					
Max M _z	-1.18	-0.04	▷	0.75	0.00	0.24	0.03	LC 1-4					
Min M _z	-1.73	0.03	▷	0.50	0.00	0.07	-0.02	LC 1-5					
Max N	-6.66	-0.01	▷	-0.63	0.00	0.10	-0.01	CO 13					
Min N	-10.99	-0.02	▷	-1.55	0.00	0.29	-0.02	CO 6					
Max V _y	-6.66	▷	-0.01	-0.63	0.00	0.11	-0.01	CO 12					
Min V _y	-10.99	▷	-0.02	-1.54	0.00	0.29	-0.02	CO 2					
Max V _z	-6.66	-0.01	▷	-0.63	0.00	0.10	-0.01	CO 13					
Min V _z	-10.99	-0.02	▷	-1.55	0.00	0.29	-0.02	CO 6					
Max M _T	-10.99	-0.02	▷	-1.54	0.00	0.29	-0.02	CO 2					
Min M _T	-6.66	-0.01	▷	-0.63	0.00	0.11	-0.01	CO 11					
Max M _y	-10.99	-0.02	▷	-1.55	0.00	0.29	-0.02	CO 6					
Min M _y	-6.66	-0.01	▷	-0.63	0.00	0.10	-0.01	CO 13					
Max M _z	-6.66	-0.01	▷	-0.63	0.00	0.11	-0.01	CO 12					
Min M _z	-10.99	-0.02	▷	-1.54	0.00	0.28	-0.02	CO 1					
Max N	-6.66	-0.01	▷	-0.63	0.00	0.10	-0.01	CO 13					
Min N	-10.99	-0.02	▷	-1.55	0.00	0.29	-0.02	CO 6					
Max V _y	-6.66	▷	-0.01	-0.63	0.00	0.11	-0.01	CO 12					
Min V _y	-10.99	▷	-0.02	-1.54	0.00	0.29	-0.02	CO 2					
Max V _z	-6.66	-0.01	▷	-0.63	0.00	0.10	-0.01	CO 13					
Min V _z	-10.99	-0.02	▷	-1.55	0.00	0.29	-0.02	CO 6					
Max M _T	-10.99	-0.02	▷	-1.54	0.00	0.29	-0.02	CO 2					
Min M _T	-6.66	-0.01	▷	-0.63	0.00	0.11	-0.01	CO 11					
Max M _y	-10.99	-0.02	▷	-1.55	0.00	0.29	-0.02	CO 6					
Min M _y	-6.66	-0.01	▷	-0.63	0.00	0.10	-0.01	CO 13					
Max M _z	-6.66	-0.01	▷	-0.63	0.00	0.11	-0.01	CO 12					
Min M _z	-10.99	-0.02	▷	-1.54	0.00	0.28	-0.02	CO 1					
Max N	-6.70	-0.01	▷	-0.56	0.00	0.04	-0.01	CO 13					



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
225	RC1		Left	Min N	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 6
				Max V _y	-6.70	-0.01	-0.56	0.00	0.04	-0.01	CO 12
				Min V _y	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 2
				Max V _z	-6.70	-0.01	-0.56	0.00	0.04	-0.01	CO 13
				Min V _z	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 6
				Max M _T	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 2
				Min M _T	-6.70	-0.01	-0.56	0.00	0.04	-0.01	CO 11
				Max M _y	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 6
				Min M _y	-6.70	-0.01	-0.56	0.00	0.04	-0.01	CO 13
				Max M _z	-6.70	-0.01	-0.56	0.00	0.04	-0.01	CO 12
			0.105 Right	Min M _z	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 1
				Max N	-6.70	-0.01	-0.56	0.00	0.04	-0.01	CO 13
				Min N	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 6
				Max V _y	-6.70	-0.01	-0.56	0.00	0.04	-0.01	CO 12
				Min V _y	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 2
				Max V _z	-6.70	-0.01	-0.56	0.00	0.04	-0.01	CO 13
				Min V _z	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 6
				Max M _T	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 2
				Min M _T	-6.70	-0.01	-0.56	0.00	0.04	-0.01	CO 11
				Max M _y	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 6
			1.179 Left	Min M _y	-6.70	-0.01	-0.56	0.00	0.04	-0.01	CO 13
				Max M _z	-6.70	-0.01	-0.56	0.00	0.04	-0.01	CO 12
				Min M _z	-11.03	-0.02	-1.43	0.00	0.13	-0.02	CO 1
				Max N	-7.10	-0.02	0.23	0.00	-0.14	0.01	CO 13
				Min N	-11.44	-0.02	0.56	0.00	-0.41	0.01	CO 6
				Max V _y	-7.10	-0.02	0.23	0.00	-0.14	0.00	CO 12
				Min V _y	-11.44	-0.02	0.56	0.00	-0.42	0.01	CO 1
				Max V _z	-11.44	-0.02	0.56	0.00	-0.42	0.01	CO 1
				Min V _z	-7.10	-0.02	0.23	0.00	-0.14	0.00	CO 12
				Max M _T	-11.44	-0.02	0.56	0.00	-0.41	0.01	CO 4
			1.179 Right	Min M _T	-7.10	-0.02	0.23	0.00	-0.14	0.00	CO 11
				Max M _y	-7.10	-0.02	0.23	0.00	-0.14	0.00	CO 10
				Min M _y	-11.44	-0.02	0.56	0.00	-0.42	0.01	CO 7
				Max M _z	-11.44	-0.02	0.56	0.00	-0.42	0.01	CO 1
				Min M _z	-7.10	-0.02	0.23	0.00	-0.14	0.00	CO 12
				Max N	-7.10	-0.02	0.23	0.00	-0.14	0.01	CO 13
				Min N	-11.44	-0.02	0.56	0.00	-0.41	0.01	CO 6
				Max V _y	-7.10	-0.02	0.23	0.00	-0.14	0.00	CO 12
				Min V _y	-11.44	-0.02	0.56	0.00	-0.42	0.01	CO 1
				Max V _z	-11.44	-0.02	0.56	0.00	-0.42	0.01	CO 1
			2.147 Left	Min V _z	-7.10	-0.02	0.23	0.00	-0.14	0.00	CO 12
				Max M _T	-11.44	-0.02	0.56	0.00	-0.41	0.01	CO 4
				Min M _T	-7.10	-0.02	0.23	0.00	-0.14	0.00	CO 11
				Max M _y	-7.10	-0.02	0.23	0.00	-0.14	0.00	CO 10
				Min M _y	-11.44	-0.02	0.56	0.00	-0.42	0.01	CO 7
				Max M _z	-11.44	-0.02	0.56	0.00	-0.42	0.01	CO 1
				Min M _z	-7.10	-0.02	0.23	0.00	-0.14	0.00	CO 12
				Max N	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 13
				Min N	-11.81	-0.02	2.64	0.00	1.15	0.03	CO 6
				Max V _y	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 12
			2.147 Right	Min V _y	-11.80	-0.02	2.64	0.00	1.15	0.03	CO 2
				Max V _z	-11.80	-0.02	2.64	0.00	1.15	0.03	CO 1
				Min V _z	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 12
				Max M _T	-11.81	-0.02	2.64	0.00	1.15	0.03	CO 4
				Min M _T	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 11
				Max M _y	-11.80	-0.02	2.64	0.00	1.15	0.03	CO 2
				Min M _y	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 11
				Max M _z	-11.80	-0.02	2.64	0.00	1.15	0.03	CO 1
				Min M _z	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 12
				Max N	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 13
			2.147 Right	Min N	-11.81	-0.02	2.64	0.00	1.15	0.03	CO 6
				Max V _y	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 12
				Min V _y	-11.80	-0.02	2.64	0.00	1.15	0.03	CO 2
				Max V _z	-11.80	-0.02	2.64	0.00	1.15	0.03	CO 1
				Min V _z	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 12
				Max M _T	-11.81	-0.02	2.64	0.00	1.15	0.03	CO 4
				Min M _T	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 11
				Max M _y	-11.80	-0.02	2.64	0.00	1.15	0.03	CO 2
				Min M _y	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 11
				Max M _z	-11.80	-0.02	2.64	0.00	1.15	0.03	CO 1
			0.000 Left	Min M _z	-7.47	-0.01	0.92	0.00	0.42	0.02	CO 12
				Max N	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 27
				Min N	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 17
				Max V _y	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 26
				Min V _y	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 15
				Max V _z	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 27
				Min V _z	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 20
				Max M _T	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 16
				Min M _T	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 25
				Max M _y	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 20
			0.000 Right	Min M _y	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 27
				Max M _z	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 26
				Min M _z	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 15
				Max N	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 27
				Min N	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 17
				Max V _y	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 26
				Min V _y	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 15
				Max V _z	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 27
				Min V _z	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 20
				Max M _T	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 16
				Min M _T	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 25
				Max M _y	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 20

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding
					N	V _y	V _z	M _T	M _y	M _z	Load Cases
225	RC2		0.105 Left	Min M _y	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 27
				Max M _z	-4.47	-0.01	-0.43	0.00	0.07	-0.01	CO 26
				Min M _z	-7.66	-0.01	-1.10	0.00	0.20	-0.01	CO 15
				Max N	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 27
				Min N	-7.69	-0.01	-1.02	0.00	0.09	-0.01	CO 17
				Max V _y	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 26
				Min V _y	-7.68	-0.01	-1.02	0.00	0.09	-0.01	CO 15
				Max V _z	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 27
				Min V _z	-7.69	-0.01	-1.02	0.00	0.09	-0.01	CO 20
				Max M _T	-7.68	-0.01	-1.02	0.00	0.09	-0.01	CO 16
				Min M _T	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 25
				Max M _y	-7.69	-0.01	-1.02	0.00	0.09	-0.01	CO 20
				Min M _y	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 27
				Max M _z	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 26
				Min M _z	-7.68	-0.01	-1.02	0.00	0.09	-0.01	CO 15
				Max N	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 27
				Min N	-7.69	-0.01	-1.02	0.00	0.09	-0.01	CO 17
				Max V _y	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 26
				Min V _y	-7.68	-0.01	-1.02	0.00	0.09	-0.01	CO 15
				Max V _z	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 27
				Min V _z	-7.69	-0.01	-1.02	0.00	0.09	-0.01	CO 20
				Max M _T	-7.68	-0.01	-1.02	0.00	0.09	-0.01	CO 16
				Min M _T	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 25
				Max M _y	-7.69	-0.01	-1.02	0.00	0.09	-0.01	CO 20
				Min M _y	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 27
				Max M _z	-4.50	-0.01	-0.38	0.00	0.03	-0.01	CO 26
				Min M _z	-7.68	-0.01	-1.02	0.00	0.09	-0.01	CO 15
				Max N	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 27
				Min N	-7.96	-0.02	0.39	0.00	-0.30	0.01	CO 17
				Max V _y	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 26
				Min V _y	-7.96	-0.02	0.39	0.00	-0.30	0.01	CO 15
				Max V _z	-7.96	-0.02	0.39	0.00	-0.30	0.01	CO 15
				Min V _z	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 26
				Max M _T	-7.96	-0.02	0.39	0.00	-0.30	0.01	CO 16
				Min M _T	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 25
				Max M _y	-7.96	-0.02	0.39	0.00	-0.09	0.00	CO 24
				Min M _y	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 21
				Max M _z	-7.96	-0.02	0.39	0.00	-0.30	0.01	CO 15
				Min M _z	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 26
				Max N	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 27
				Min N	-7.96	-0.02	0.39	0.00	-0.30	0.01	CO 17
				Max V _y	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 26
				Min V _y	-7.96	-0.02	0.39	0.00	-0.30	0.01	CO 15
				Max V _z	-7.96	-0.02	0.39	0.00	-0.30	0.01	CO 15
				Min V _z	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 26
				Max M _T	-7.96	-0.02	0.39	0.00	-0.30	0.01	CO 16
				Min M _T	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 25
				Max M _y	-7.96	-0.02	0.39	0.00	-0.09	0.00	CO 24
				Min M _y	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 21
				Max M _z	-7.96	-0.02	0.39	0.00	-0.30	0.01	CO 15
				Min M _z	-4.77	-0.01	0.15	0.00	-0.09	0.00	CO 26
				Max N	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 27
				Min N	-8.21	-0.01	1.89	0.00	0.81	0.02	CO 17
				Max V _y	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 26
				Min V _y	-8.20	-0.01	1.89	0.00	0.81	0.02	CO 15
				Max V _z	-8.20	-0.01	1.89	0.00	0.81	0.02	CO 15
				Min V _z	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 26
				Max M _T	-8.20	-0.01	1.89	0.00	0.81	0.02	CO 16
				Min M _T	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 25
				Max M _y	-8.20	-0.01	1.89	0.00	0.81	0.02	CO 16
Min M _y	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 25				
Max M _z	-8.20	-0.01	1.89	0.00	0.81	0.02	CO 15				
Min M _z	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 26				
Max N	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 27				
Min N	-8.21	-0.01	1.89	0.00	0.81	0.02	CO 17				
Max V _y	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 26				
Min V _y	-8.20	-0.01	1.89	0.00	0.81	0.02	CO 15				
Max V _z	-8.20	-0.01	1.89	0.00	0.81	0.02	CO 15				
Min V _z	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 26				
Max M _T	-8.20	-0.01	1.89	0.00	0.81	0.02	CO 16				
Min M _T	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 25				
Max M _y	-8.20	-0.01	1.89	0.00	0.81	0.02	CO 16				
Min M _y	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 25				
Max M _z	-8.20	-0.01	1.89	0.00	0.81	0.02	CO 15				
Min M _z	-5.02	-0.01	0.61	0.00	0.28	0.01	CO 26				
Max N	-2.70	0.01	-0.79	0.00	0.21	0.00	LC 1-5				
Min N	-4.58	-0.02	-0.68	0.00	0.10	-0.02	LC 1-4				
Max V _y	-2.73	0.01	-0.79	0.00	0.21	0.01	LC 1-5				
Min V _y	-4.56	-0.02	-0.68	0.00	0.10	-0.02	LC 1-4				
Max V _z	-4.55	-0.02	-0.68	0.00	0.10	-0.02	LC 1-4				
Min V _z	-2.74	0.01	-0.79	0.00	0.21	0.00	LC 1-5				
Max M _T	-4.56	-0.02	-0.68	0.00	0.10	-0.02	LC 1-4				
Min M _T	-2.73	0.01	-0.79	0.00	0.21	0.00	LC 1-5				
Max M _y	-3.13	0.00	-0.78	0.00	0.21	-0.00	LC 1-5				
Min M _y	-4.16	-0.01	-0.69	0.00	0.10	-0.01	LC 1-4				
Max M _z	-2.74	0.01	-0.79	0.00	0.21	0.01	LC 1-5				
Min M _z	-4.55	-0.02	-0.69	0.00	0.11	-0.02	LC 1-4				
Max N	-2.70	0.01	-0.79	0.00	0.21	0.00	LC 1-5				
Min N	-4.58	-0.02	-0.68	0.00	0.10	-0.02	LC 1-4				
Max V _y	-2.73	0.01	-0.79	0.00	0.21	0.01	LC 1-5				
Min V _y	-4.56	-0.02	-0.68	0.00	0.10	-0.02	LC 1-4				
Max V _z	-4.55	-0.02	-0.68	0.00	0.10	-0.02	LC 1-4				



4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases					
					N	V _y	V _z	M _T	M _y	M _z						
225	RC6		0.105 Left	Min V _z	-2.74	0.01	▷	-0.79	0.00	0.21	0.00	LC 1-5				
				Max M _T	-4.56	-0.02	▷	-0.68	0.00	0.10	-0.02	LC 1-4				
				Min M _T	-2.73	0.01	▷	-0.79	0.00	0.21	0.00	LC 1-5				
				Max M _y	-3.13	0.00	▷	-0.78	0.00	0.21	-0.00	LC 1-5				
				Min M _y	-4.16	-0.01	▷	-0.69	0.00	0.10	-0.01	LC 1-4				
				Max M _z	-2.74	0.01	▷	-0.79	0.00	0.21	0.01	LC 1-5				
				Min M _z	-4.55	-0.02	▷	-0.69	0.00	0.11	-0.02	LC 1-4				
				0.105 Right	Max N	-2.71	0.01	▷	-0.76	0.00	0.13	0.00	LC 1-5			
					Min N	-4.58	-0.02	▷	-0.65	0.00	0.03	-0.02	LC 1-4			
					Max V _y	-2.73	0.01	▷	-0.76	0.00	0.13	0.00	LC 1-5			
					Min V _y	-4.56	-0.02	▷	-0.65	0.00	0.03	-0.02	LC 1-4			
					Max V _z	-4.55	-0.02	▷	-0.65	0.00	0.03	-0.01	LC 1-4			
					Min V _z	-2.74	0.01	▷	-0.76	0.00	0.13	0.00	LC 1-5			
					Max M _T	-4.56	-0.02	▷	-0.65	0.00	0.03	-0.02	LC 1-4			
					Min M _T	-2.73	0.01	▷	-0.76	0.00	0.13	0.00	LC 1-5			
					Max M _y	-3.13	0.00	▷	-0.75	0.00	0.13	-0.00	LC 1-5			
					Min M _y	-4.16	-0.01	▷	-0.66	0.00	0.03	-0.01	LC 1-4			
					Max M _z	-2.74	0.01	▷	-0.75	0.00	0.13	0.00	LC 1-5			
					Min M _z	-4.55	-0.02	▷	-0.65	0.00	0.04	-0.02	LC 1-4			
				1.179 Left	Max N	-2.71	0.01	▷	-0.76	0.00	0.13	0.00	LC 1-5			
					Min N	-4.58	-0.02	▷	-0.65	0.00	0.03	-0.02	LC 1-4			
					Max V _y	-2.73	0.01	▷	-0.76	0.00	0.13	0.00	LC 1-5			
					Min V _y	-4.56	-0.02	▷	-0.65	0.00	0.03	-0.02	LC 1-4			
					Max V _z	-4.55	-0.02	▷	-0.65	0.00	0.03	-0.01	LC 1-4			
					Min V _z	-2.74	0.01	▷	-0.76	0.00	0.13	0.00	LC 1-5			
					Max M _T	-4.56	-0.02	▷	-0.65	0.00	0.03	-0.02	LC 1-4			
					Min M _T	-2.73	0.01	▷	-0.76	0.00	0.13	0.00	LC 1-5			
					Max M _y	-3.13	0.00	▷	-0.75	0.00	0.13	-0.00	LC 1-5			
					Min M _y	-4.16	-0.01	▷	-0.66	0.00	0.03	-0.01	LC 1-4			
					Max M _z	-2.74	0.01	▷	-0.75	0.00	0.13	0.00	LC 1-5			
					Min M _z	-4.55	-0.02	▷	-0.65	0.00	0.04	-0.02	LC 1-4			
				1.179 Right	Max N	-2.72	0.01	▷	0.15	0.00	-0.24	-0.00	LC 1-5			
					Min N	-4.60	-0.02	▷	0.25	0.00	-0.23	0.00	LC 1-4			
					Max V _y	-2.75	0.01	▷	0.15	0.00	-0.24	-0.00	LC 1-5			
					Min V _y	-4.58	-0.02	▷	0.26	0.00	-0.23	0.00	LC 1-4			
					Max V _z	-4.57	-0.02	▷	0.26	0.00	-0.23	0.00	LC 1-4			
					Min V _z	-2.76	0.01	▷	0.15	0.00	-0.24	-0.00	LC 1-5			
					Max M _T	-4.58	-0.02	▷	0.26	0.00	-0.23	0.00	LC 1-4			
					Min M _T	-2.75	0.01	▷	0.15	0.00	-0.24	-0.00	LC 1-5			
					Max M _y	-4.42	-0.02	▷	0.24	0.00	-0.22	0.00	LC 1-5			
					Min M _y	-2.90	0.00	▷	0.17	0.00	-0.25	-0.00	LC 1-4			
					Max M _z	-4.57	-0.02	▷	0.26	0.00	-0.23	0.00	LC 1-4			
					Min M _z	-2.76	0.01	▷	0.15	0.00	-0.24	-0.00	LC 1-5			
				2.147 Left	Max N	-2.72	0.01	▷	0.15	0.00	-0.24	-0.00	LC 1-5			
					Min N	-4.60	-0.02	▷	0.25	0.00	-0.23	0.00	LC 1-4			
					Max V _y	-2.75	0.01	▷	0.15	0.00	-0.24	-0.00	LC 1-5			
					Min V _y	-4.58	-0.02	▷	0.26	0.00	-0.23	0.00	LC 1-4			
					Max V _z	-4.57	-0.02	▷	0.26	0.00	-0.23	0.00	LC 1-4			
					Min V _z	-2.76	0.01	▷	0.15	0.00	-0.24	-0.00	LC 1-5			
					Max M _T	-4.58	-0.02	▷	0.26	0.00	-0.23	0.00	LC 1-4			
					Min M _T	-2.75	0.01	▷	0.15	0.00	-0.24	-0.00	LC 1-5			
					Max M _y	-4.42	-0.02	▷	0.24	0.00	-0.22	0.00	LC 1-5			
					Min M _y	-2.90	0.00	▷	0.17	0.00	-0.25	-0.00	LC 1-4			
					Max M _z	-4.57	-0.02	▷	0.26	0.00	-0.23	0.00	LC 1-4			
					Min M _z	-2.76	0.01	▷	0.15	0.00	-0.24	-0.00	LC 1-5			
				2.147 Right	Max N	-2.74	0.01	▷	1.22	0.00	0.42	-0.01	LC 1-5			
					Min N	-4.62	-0.02	▷	1.32	0.00	0.54	0.02	LC 1-4			
					Max V _y	-2.76	0.01	▷	1.22	0.00	0.42	-0.01	LC 1-5			
					Min V _y	-4.60	-0.02	▷	1.32	0.00	0.54	0.02	LC 1-4			
					Max V _z	-4.58	-0.02	▷	1.33	0.00	0.54	0.02	LC 1-4			
					Min V _z	-2.78	0.01	▷	1.22	0.00	0.42	-0.01	LC 1-5			
					Max M _T	-4.59	-0.02	▷	1.33	0.00	0.54	0.02	LC 1-4			
					Min M _T	-2.77	0.01	▷	1.22	0.00	0.42	-0.01	LC 1-5			
					Max M _y	-4.58	-0.02	▷	1.33	0.00	0.54	0.02	LC 1-4			
					Min M _y	-2.78	0.01	▷	1.22	0.00	0.41	-0.01	LC 1-5			
					Max M _z	-4.60	-0.02	▷	1.33	0.00	0.54	0.02	LC 1-4			
					Min M _z	-2.76	0.01	▷	1.22	0.00	0.42	-0.01	LC 1-5			
				227	RC1	142	0.000 Left	Max N	-6.20	-0.01	▷	-1.05	0.00	0.35	-0.04	CO 13
								Min N	-11.28	0.00	▷	-2.70	0.01	0.94	-0.05	CO 6
								Max V _y	-11.28	0.00	▷	-2.70	0.01	0.94	-0.05	CO 6
								Min V _y	-6.20	-0.01	▷	-1.05	0.00	0.35	-0.04	CO 13
								Max V _z	-6.20	-0.01	▷	-1.05	0.00	0.35	-0.04	CO 14
								Min V _z	-11.28	0.00	▷	-2.70	0.01	0.94	-0.05	CO 5
								Max M _T	-11.27	0.00	▷	-2.70	0.01	0.94	-0.05	CO 1
								Min M _T	-6.20	-0.01	▷	-1.05	0.00	0.35	-0.04	CO 9
								Max M _y	-11.28	0.00	▷	-2.70	0.01	0.94	-0.05	CO 6
								Min M _y	-6.20	-0.01	▷	-1.05	0.00	0.35	-0.04	CO 13
								Max M _z	-6.20	-0.01	▷	-1.05	0.00	0.36	-0.04	CO 12
								Min M _z	-11.27	0.00	▷	-2.70	0.01	0.94	-0.05	CO 1
Max N	-6.20	-0.01	▷					-1.05	0.00	0.35	-0.04	CO 13				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
227	RC1		Right	Min N	-11.28	0.00	-2.70	0.01	0.94	-0.05	CO 6
				Max V _y	-11.28	0.00	-2.70	0.01	0.94	-0.05	CO 6
				Min V _y	-6.20	-0.01	-1.05	0.00	0.35	-0.04	CO 13
				Max V _z	-6.20	-0.01	-1.05	0.00	0.35	-0.04	CO 14
				Min V _z	-11.28	0.00	-2.70	0.01	0.94	-0.05	CO 5
				Max M _T	-11.27	0.00	-2.70	0.01	0.94	-0.05	CO 1
				Min M _T	-6.20	-0.01	-1.05	0.00	0.35	-0.04	CO 9
				Max M _y	-11.28	0.00	-2.70	0.01	0.94	-0.05	CO 6
				Min M _y	-6.20	-0.01	-1.05	0.00	0.35	-0.04	CO 13
				Max M _z	-6.20	-0.01	-1.05	0.00	0.36	-0.04	CO 12
			0.105 Left	Min M _z	-11.27	0.00	-2.70	0.01	0.94	-0.05	CO 1
				Max N	-6.23	-0.01	-0.97	0.00	0.25	-0.04	CO 13
				Min N	-11.32	-0.00	-2.59	0.01	0.66	-0.05	CO 6
				Max V _y	-11.32	-0.00	-2.59	0.01	0.66	-0.05	CO 6
				Min V _y	-6.23	-0.01	-0.97	0.00	0.25	-0.04	CO 13
				Max V _z	-6.24	-0.01	-0.97	0.00	0.25	-0.04	CO 14
				Min V _z	-11.32	-0.00	-2.59	0.01	0.66	-0.05	CO 5
				Max M _T	-11.31	-0.00	-2.59	0.01	0.66	-0.05	CO 1
				Min M _T	-6.24	-0.01	-0.97	0.00	0.25	-0.04	CO 9
				Max M _y	-11.32	-0.00	-2.59	0.01	0.66	-0.05	CO 6
			0.105 Right	Min M _y	-6.23	-0.01	-0.97	0.00	0.25	-0.04	CO 13
				Max M _z	-6.24	-0.01	-0.97	0.00	0.25	-0.04	CO 12
				Min M _z	-11.31	-0.00	-2.59	0.01	0.66	-0.05	CO 1
				Max N	-6.24	-0.01	-0.97	0.00	0.25	-0.04	CO 13
				Min N	-11.32	-0.00	-2.59	0.01	0.66	-0.05	CO 6
				Max V _y	-11.32	-0.00	-2.59	0.01	0.66	-0.05	CO 6
				Min V _y	-6.24	-0.01	-0.97	0.00	0.25	-0.04	CO 13
				Max V _z	-6.24	-0.01	-0.97	0.00	0.25	-0.04	CO 14
				Min V _z	-11.32	-0.00	-2.59	0.01	0.66	-0.05	CO 5
				Max M _T	-11.31	-0.00	-2.59	0.01	0.66	-0.05	CO 1
			1.179 Left	Min M _T	-6.24	-0.01	-0.97	0.00	0.25	-0.04	CO 9
				Max M _y	-11.32	-0.00	-2.59	0.01	0.66	-0.05	CO 6
				Min M _y	-6.24	-0.01	-0.97	0.00	0.25	-0.04	CO 13
				Max M _z	-6.24	-0.01	-0.97	0.00	0.25	-0.04	CO 12
				Min M _z	-11.31	-0.00	-2.59	0.01	0.66	-0.05	CO 1
				Max N	-6.64	-0.02	-0.19	0.00	-0.38	-0.02	CO 13
				Min N	-11.74	-0.03	-0.59	0.01	-1.14	-0.03	CO 6
				Max V _y	-6.65	-0.02	-0.19	0.00	-0.38	-0.02	CO 12
				Min V _y	-11.73	-0.03	-0.59	0.01	-1.14	-0.03	CO 2
				Max V _z	-6.65	-0.02	-0.19	0.00	-0.38	-0.02	CO 14
			1.179 Right	Min V _z	-11.74	-0.03	-0.59	0.01	-1.14	-0.03	CO 5
				Max M _T	-11.74	-0.03	-0.59	0.01	-1.14	-0.03	CO 4
				Min M _T	-6.65	-0.02	-0.19	0.00	-0.38	-0.02	CO 11
				Max M _y	-6.65	-0.02	-0.19	0.00	-0.38	-0.02	CO 12
				Min M _y	-11.73	-0.03	-0.59	0.01	-1.14	-0.03	CO 1
				Max M _z	-6.65	-0.02	-0.19	0.00	-0.38	-0.02	CO 12
				Min M _z	-11.73	-0.03	-0.59	0.01	-1.14	-0.03	CO 2
				Max N	-6.64	-0.02	-0.19	0.00	-0.38	-0.02	CO 13
				Min N	-11.74	-0.03	-0.59	0.01	-1.14	-0.03	CO 6
				Max V _y	-6.65	-0.02	-0.19	0.00	-0.38	-0.02	CO 12
			3.221 Left	Min V _y	-11.73	-0.03	-0.59	0.01	-1.14	-0.03	CO 2
				Max V _z	-6.65	-0.02	-0.19	0.00	-0.38	-0.02	CO 14
				Min V _z	-11.74	-0.03	-0.59	0.01	-1.14	-0.03	CO 5
				Max M _T	-11.74	-0.03	-0.59	0.01	-1.14	-0.03	CO 4
				Min M _T	-6.65	-0.02	-0.19	0.00	-0.38	-0.02	CO 11
				Max M _y	-6.65	-0.02	-0.19	0.00	-0.38	-0.02	CO 12
				Min M _y	-11.73	-0.03	-0.59	0.01	-1.14	-0.03	CO 1
				Max M _z	-6.65	-0.02	-0.19	0.00	-0.38	-0.02	CO 12
				Min M _z	-11.73	-0.03	-0.59	0.01	-1.14	-0.03	CO 2
				Max N	-7.42	-0.02	1.29	-0.00	0.77	0.03	CO 13
			3.221 Right	Min N	-12.52	-0.03	3.85	0.01	2.35	0.05	CO 6
				Max V _y	-7.43	-0.02	1.29	-0.00	0.77	0.03	CO 12
				Min V _y	-12.50	-0.03	3.85	0.01	2.35	0.05	CO 2
				Max V _z	-12.50	-0.03	3.85	0.01	2.35	0.05	CO 1
				Min V _z	-7.43	-0.02	1.29	-0.00	0.77	0.03	CO 12
				Max M _T	-12.51	-0.03	3.85	0.01	2.35	0.05	CO 4
				Min M _T	-7.43	-0.02	1.29	-0.00	0.77	0.03	CO 11
				Max M _y	-12.51	-0.03	3.85	0.01	2.35	0.05	CO 4
				Min M _y	-7.43	-0.02	1.29	-0.00	0.77	0.03	CO 11
				Max M _z	-12.50	-0.03	3.85	0.01	2.35	0.05	CO 1
			148 3.221 Right	Min M _z	-7.43	-0.02	1.29	-0.00	0.77	0.03	CO 12
				Max N	-7.42	-0.02	1.29	-0.00	0.77	0.03	CO 13
				Min N	-12.52	-0.03	3.85	0.01	2.35	0.05	CO 6
				Max V _y	-7.43	-0.02	1.29	-0.00	0.77	0.03	CO 12
				Min V _y	-12.50	-0.03	3.85	0.01	2.35	0.05	CO 2
				Max V _z	-12.50	-0.03	3.85	0.01	2.35	0.05	CO 1
				Min V _z	-7.43	-0.02	1.29	-0.00	0.77	0.03	CO 12
				Max M _T	-12.51	-0.03	3.85	0.01	2.35	0.05	CO 4
				Min M _T	-7.43	-0.02	1.29	-0.00	0.77	0.03	CO 11
				Max M _y	-12.51	-0.03	3.85	0.01	2.35	0.05	CO 4
			142 0.000 Left	Min M _y	-7.43	-0.02	1.29	-0.00	0.77	0.03	CO 11
				Max M _z	-12.50	-0.03	3.85	0.01	2.35	0.05	CO 1
				Min M _z	-7.43	-0.02	1.29	-0.00	0.77	0.03	CO 12
				Max N	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 27
				Min N	-7.91	-0.01	-1.91	0.01	0.66	-0.04	CO 20
				Max V _y	-7.91	-0.01	-1.91	0.01	0.66	-0.04	CO 20
				Min V _y	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 27
				Max V _z	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 28
				Min V _z	-7.90	-0.01	-1.91	0.01	0.66	-0.04	CO 19
				Max M _T	-7.90	-0.01	-1.91	0.01	0.66	-0.04	CO 16
				Min M _T	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 25
				Max M _y	-7.91	-0.01	-1.91	0.01	0.66	-0.04	CO 20

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
227	RC2		0.000 Right	Min M _y	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 27
				Max M _z	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 26
				Min M _z	-7.90	-0.01	-1.91	0.01	0.66	-0.04	CO 15
				Max N	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 27
				Min N	-7.91	-0.01	-1.91	0.01	0.66	-0.04	CO 20
				Max V _y	-7.91	-0.01	-1.91	0.01	0.66	-0.04	CO 20
				Min V _y	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 27
				Max V _z	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 28
				Min V _z	-7.90	-0.01	-1.91	0.01	0.66	-0.04	CO 19
				Max M _T	-7.90	-0.01	-1.91	0.01	0.66	-0.04	CO 16
				Min M _T	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 25
				Max M _y	-7.91	-0.01	-1.91	0.01	0.66	-0.04	CO 20
				Min M _y	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 27
				Max M _z	-4.17	-0.01	-0.70	0.00	0.24	-0.03	CO 26
				Min M _z	-7.90	-0.01	-1.91	0.01	0.66	-0.04	CO 15
				Max N	-4.19	-0.01	-0.65	0.00	0.17	-0.02	CO 27
				Min N	-7.93	-0.01	-1.83	0.01	0.46	-0.04	CO 20
				Max V _y	-7.93	-0.01	-1.83	0.01	0.46	-0.04	CO 20
				Min V _y	-4.19	-0.01	-0.65	0.00	0.17	-0.02	CO 27
				Max V _z	-4.19	-0.01	-0.65	0.00	0.17	-0.02	CO 28
				Min V _z	-7.93	-0.01	-1.83	0.01	0.46	-0.04	CO 19
				Max M _T	-7.92	-0.01	-1.83	0.01	0.46	-0.04	CO 16
				Min M _T	-4.20	-0.01	-0.65	0.00	0.17	-0.02	CO 25
				Max M _y	-7.93	-0.01	-1.83	0.01	0.46	-0.04	CO 20
				Min M _y	-4.19	-0.01	-0.65	0.00	0.17	-0.02	CO 27
				Max M _z	-4.20	-0.01	-0.65	0.00	0.17	-0.02	CO 26
				Min M _z	-7.92	-0.01	-1.83	0.01	0.46	-0.04	CO 15
				Max N	-4.19	-0.01	-0.65	0.00	0.17	-0.02	CO 27
				Min N	-7.93	-0.01	-1.83	0.01	0.46	-0.04	CO 20
				Max V _y	-7.93	-0.01	-1.83	0.01	0.46	-0.04	CO 20
				Min V _y	-4.19	-0.01	-0.65	0.00	0.17	-0.02	CO 27
				Max V _z	-4.19	-0.01	-0.65	0.00	0.17	-0.02	CO 28
				Min V _z	-7.93	-0.01	-1.83	0.01	0.46	-0.04	CO 19
				Max M _T	-7.92	-0.01	-1.83	0.01	0.46	-0.04	CO 16
				Min M _T	-4.20	-0.01	-0.65	0.00	0.17	-0.02	CO 25
				Max M _y	-7.93	-0.01	-1.83	0.01	0.46	-0.04	CO 20
				Min M _y	-4.19	-0.01	-0.65	0.00	0.17	-0.02	CO 27
				Max M _z	-4.20	-0.01	-0.65	0.00	0.17	-0.02	CO 26
				Min M _z	-7.92	-0.01	-1.83	0.01	0.46	-0.04	CO 15
				Max N	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 27
				Min N	-8.21	-0.02	-0.42	0.00	-0.80	-0.02	CO 20
				Max V _y	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 26
				Min V _y	-8.20	-0.02	-0.42	0.00	-0.81	-0.02	CO 15
				Max V _z	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 28
				Min V _z	-8.21	-0.02	-0.42	0.00	-0.80	-0.02	CO 19
				Max M _T	-8.20	-0.02	-0.42	0.00	-0.80	-0.02	CO 16
				Min M _T	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 25
				Max M _y	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 26
				Min M _y	-8.20	-0.02	-0.42	0.00	-0.81	-0.02	CO 15
				Max M _z	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 26
				Min M _z	-8.20	-0.02	-0.42	0.00	-0.81	-0.02	CO 15
				Max N	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 27
				Min N	-8.21	-0.02	-0.42	0.00	-0.80	-0.02	CO 20
				Max V _y	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 26
				Min V _y	-8.20	-0.02	-0.42	0.00	-0.81	-0.02	CO 15
				Max V _z	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 28
				Min V _z	-8.21	-0.02	-0.42	0.00	-0.80	-0.02	CO 19
				Max M _T	-8.20	-0.02	-0.42	0.00	-0.80	-0.02	CO 16
				Min M _T	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 25
				Max M _y	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 26
				Min M _y	-8.20	-0.02	-0.42	0.00	-0.81	-0.02	CO 15
				Max M _z	-4.47	-0.01	-0.13	-0.00	-0.26	-0.01	CO 26
				Min M _z	-8.20	-0.02	-0.42	0.00	-0.81	-0.02	CO 15
				Max N	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 27
				Min N	-8.73	-0.02	2.76	0.00	1.66	0.03	CO 20
				Max V _y	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 26
				Min V _y	-8.72	-0.02	2.76	0.00	1.66	0.03	CO 15
				Max V _z	-8.72	-0.02	2.76	0.00	1.66	0.03	CO 15
				Min V _z	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 26
				Max M _T	-8.72	-0.02	2.76	0.00	1.66	0.03	CO 16
				Min M _T	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 25
				Max M _y	-8.72	-0.02	2.76	0.00	1.66	0.03	CO 16
				Min M _y	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 25
				Max M _z	-8.72	-0.02	2.76	0.00	1.66	0.03	CO 15
				Min M _z	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 26
				Max N	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 27
				Min N	-8.73	-0.02	2.76	0.00	1.66	0.03	CO 20
				Max V _y	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 26
				Min V _y	-8.72	-0.02	2.76	0.00	1.66	0.03	CO 15
				Max V _z	-8.72	-0.02	2.76	0.00	1.66	0.03	CO 15
				Min V _z	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 26
				Max M _T	-8.72	-0.02	2.76	0.00	1.66	0.03	CO 16
				Min M _T	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 25
				Max M _y	-8.72	-0.02	2.76	0.00	1.66	0.03	CO 16
				Min M _y	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 25
				Max M _z	-8.72	-0.02	2.76	0.00	1.66	0.03	CO 15
				Min M _z	-4.99	-0.01	0.86	-0.00	0.51	0.02	CO 26
				Max N	-3.40	-0.00	-1.29	0.00	0.53	-0.01	LC 1-4
				Min N	-5.06	-0.02	-1.22	0.00	0.39	-0.04	LC 1-5
				Max V _y	-3.65	-0.00	-1.28	0.00	0.51	-0.00	LC 1-5
				Min V _y	-4.82	-0.02	-1.23	0.00	0.41	-0.04	LC 1-4
				Max V _z	-4.93	-0.02	-1.22	0.00	0.38	-0.04	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding			
					N	V _y	V _z	M _T	M _y	M _z	Load Cases			
227	RC6			0.000 Right	Min V _z	-3.54	-0.00	▷	-1.30	0.00	0.54	-0.01	LC 1-5	
					Max M _T	-4.77	-0.02		-1.24	0.00	0.43	-0.04	LC 1-5	
					Min M _T	-3.70	-0.00	▷	-1.27	0.00	0.49	-0.01	LC 1-4	
					Max M _y	-3.52	-0.00		-1.30	0.00	0.54	-0.01	LC 1-5	
					Min M _y	-4.94	-0.02	▷	-1.22	0.00	0.38	-0.04	LC 1-4	
					Max M _z	-3.65	-0.00		-1.28	0.00	0.51	-0.00	LC 1-5	
					Min M _z	-4.82	-0.02		-1.23	0.00	0.41	-0.04	LC 1-4	
					Max N	-3.40	-0.00		-1.29	0.00	0.53	-0.01	LC 1-4	
					Min N	-5.06	-0.02	▷	-1.22	0.00	0.39	-0.04	LC 1-5	
					Max V _y	-3.65	▷	-0.00	-1.28	0.00	0.51	-0.00	LC 1-5	
					Min V _y	-4.82	▷	-0.02	-1.23	0.00	0.41	-0.04	LC 1-4	
					Max V _z	-4.93	-0.02	▷	-1.22	0.00	0.38	-0.04	LC 1-4	
					Min V _z	-3.54	-0.00	▷	-1.30	0.00	0.54	-0.01	LC 1-5	
					Max M _T	-4.77	-0.02	▷	-1.24	0.00	0.43	-0.04	LC 1-5	
					Min M _T	-3.70	-0.00	▷	-1.27	0.00	0.49	-0.01	LC 1-4	
					Max M _y	-3.52	-0.00		-1.30	0.00	0.54	-0.01	LC 1-5	
					Min M _y	-4.94	-0.02		-1.22	0.00	0.38	-0.04	LC 1-4	
					Max M _z	-3.65	-0.00		-1.28	0.00	0.51	-0.00	LC 1-5	
				Min M _z	-4.82	-0.02		-1.23	0.00	0.41	-0.04	LC 1-4		
				0.105 Left	Max N	-3.41	-0.00	▷	-1.26	0.00	0.39	-0.01	LC 1-4	
					Min N	-5.07	-0.02	▷	-1.19	0.00	0.26	-0.04	LC 1-5	
					Max V _y	-3.65	▷	-0.00	-1.25	0.00	0.38	-0.00	LC 1-5	
					Min V _y	-4.82	▷	-0.02	-1.20	0.00	0.28	-0.04	LC 1-4	
					Max V _z	-4.94	-0.02	▷	-1.18	0.00	0.25	-0.04	LC 1-4	
					Min V _z	-3.54	-0.00	▷	-1.26	0.00	0.40	-0.01	LC 1-5	
					Max M _T	-4.77	-0.02	▷	-1.21	0.00	0.30	-0.04	LC 1-5	
					Min M _T	-3.70	-0.00	▷	-1.24	0.00	0.36	-0.01	LC 1-4	
					Max M _y	-3.53	-0.00		-1.26	0.00	0.40	-0.01	LC 1-5	
					Min M _y	-4.95	-0.02	▷	-1.18	0.00	0.25	-0.04	LC 1-4	
					Max M _z	-3.65	-0.00		-1.25	0.00	0.37	-0.00	LC 1-5	
					Min M _z	-4.82	-0.02		-1.20	0.00	0.28	-0.04	LC 1-4	
					Max N	-3.41	-0.00	▷	-1.26	0.00	0.39	-0.01	LC 1-4	
					Min N	-5.07	-0.02	▷	-1.19	0.00	0.26	-0.04	LC 1-5	
					Max V _y	-3.65	▷	-0.00	-1.25	0.00	0.38	-0.00	LC 1-5	
					Min V _y	-4.82	▷	-0.02	-1.20	0.00	0.28	-0.04	LC 1-4	
					Max V _z	-4.94	-0.02	▷	-1.18	0.00	0.25	-0.04	LC 1-4	
					0.105 Right	Min V _z	-3.54	-0.00	▷	-1.26	0.00	0.40	-0.01	LC 1-5
				Max M _T		-4.77	-0.02	▷	-1.21	0.00	0.30	-0.04	LC 1-5	
				Min M _T		-3.70	-0.00	▷	-1.24	0.00	0.36	-0.01	LC 1-4	
				Max M _y		-3.53	-0.00		-1.26	0.00	0.40	-0.01	LC 1-5	
				Min M _y		-4.95	-0.02	▷	-1.18	0.00	0.25	-0.04	LC 1-4	
				Max M _z		-3.65	-0.00		-1.25	0.00	0.37	-0.00	LC 1-5	
				Min M _z		-4.82	-0.02	▷	-1.20	0.00	0.28	-0.04	LC 1-4	
				Max N		-3.41	-0.00	▷	-1.26	0.00	0.39	-0.01	LC 1-4	
				Min N		-5.07	-0.02	▷	-1.19	0.00	0.26	-0.04	LC 1-5	
				Max V _y		-3.65	▷	-0.00	-1.25	0.00	0.38	-0.00	LC 1-5	
				Min V _y		-4.82	▷	-0.02	-1.20	0.00	0.28	-0.04	LC 1-4	
				Max V _z		-4.94	-0.02	▷	-1.18	0.00	0.25	-0.04	LC 1-4	
				Min V _z		-3.54	-0.00	▷	-1.26	0.00	0.40	-0.01	LC 1-5	
				Max M _T		-4.77	-0.02	▷	-1.21	0.00	0.30	-0.04	LC 1-5	
				Min M _T		-3.70	-0.00	▷	-1.24	0.00	0.36	-0.01	LC 1-4	
				Max M _y		-3.53	-0.00		-1.26	0.00	0.40	-0.01	LC 1-5	
				1.179 Left		Min M _y	-4.95	-0.02	▷	-1.18	0.00	0.25	-0.04	LC 1-4
						Max M _z	-3.65	-0.00		-1.25	0.00	0.37	-0.00	LC 1-5
					Min M _z	-4.82	-0.02	▷	-1.20	0.00	0.28	-0.04	LC 1-4	
					Max N	-3.42	-0.00	▷	-0.35	0.00	-0.52	-0.00	LC 1-4	
					Min N	-5.08	-0.02	▷	-0.28	0.00	-0.57	-0.01	LC 1-5	
					Max V _y	-3.66	-0.00	▷	-0.34	0.00	-0.52	-0.00	LC 1-5	
					Min V _y	-4.84	▷	-0.02	-0.29	0.00	-0.57	-0.02	LC 1-4	
					Max V _z	-4.95	-0.02	▷	-0.28	0.00	-0.58	-0.01	LC 1-4	
					Min V _z	-3.55	-0.00	▷	-0.36	0.00	-0.52	-0.01	LC 1-5	
					Max M _T	-4.79	-0.02	▷	-0.30	0.00	-0.56	-0.02	LC 1-5	
					Min M _T	-3.72	-0.00	▷	-0.33	0.00	-0.53	-0.00	LC 1-4	
					Max M _y	-3.54	-0.00		-0.36	0.00	-0.52	-0.01	LC 1-5	
					Min M _y	-4.97	-0.02	▷	-0.28	0.00	-0.58	-0.01	LC 1-4	
					Max M _z	-3.68	-0.00		-0.34	0.00	-0.53	-0.00	LC 1-5	
					Min M _z	-4.83	-0.02	▷	-0.29	0.00	-0.57	-0.02	LC 1-4	
					1.179 Right	Max N	-3.42	-0.00	▷	-0.35	0.00	-0.52	-0.00	LC 1-4
						Min N	-5.08	-0.02	▷	-0.28	0.00	-0.57	-0.01	LC 1-5
						Max V _y	-3.66	-0.00	▷	-0.34	0.00	-0.52	-0.00	LC 1-5
				Min V _y		-4.84	▷	-0.02	-0.29	0.00	-0.57	-0.02	LC 1-4	
				Max V _z		-4.95	-0.02	▷	-0.28	0.00	-0.58	-0.01	LC 1-4	
				Min V _z		-3.55	-0.00	▷	-0.36	0.00	-0.52	-0.01	LC 1-5	
				Max M _T		-4.79	-0.02	▷	-0.30	0.00	-0.56	-0.02	LC 1-5	
				Min M _T		-3.72	-0.00	▷	-0.33	0.00	-0.53	-0.00	LC 1-4	
				Max M _y		-3.54	-0.00		-0.36	0.00	-0.52	-0.01	LC 1-5	
				Min M _y		-4.97	-0.02	▷	-0.28	0.00	-0.58	-0.01	LC 1-4	
				Max M _z		-3.68	-0.00		-0.34	0.00	-0.53	-0.00	LC 1-5	
				Min M _z		-4.83	-0.02	▷	-0.29	0.00	-0.57	-0.02	LC 1-4	
				3.221 Left		Max N	-3.46	-0.00	▷	1.88	0.00	1.03	0.00	LC 1-4
						Min N	-5.12	-0.02	▷	1.95	0.00	1.13	0.03	LC 1-5
						Max V _y	-3.70	-0.00	▷	1.89	0.00	1.05	0.00	LC 1-5
						Min V _y	-4.88	▷	-0.02	1.94	0.00	1.11	0.03	LC 1-4
						Max V _z	-4.99	-0.02	▷	1.96	0.00	1.13	0.03	LC 1-4
						Min V _z	-3.59	-0.00	▷	1.88	0.00	1.03	0.00	LC 1-5
					Max M _T	-4.83	-0.02	▷	1.88	0.00	1.03	0.00	LC 1-5	
					Min M _T	-3.75	-0.00	▷	1.90	0.00	1.06	0.00	LC 1-4	
					Max M _y	-4.96	-0.02	▷	1.96	0.00	1.13	0.03	LC 1-4	
					Min M _y	-3.62	-0.00		1.88	0.00	1.03	0.00	LC 1-5	
					Max M _z	-5.04	-0.02		1.95	0.00	1.13	0.03	LC 1-4	
Min M _z	-3.54	-0.00			1.88	0.00	1.03	0.00	LC 1-5					
3.221 Right	Max N	-3.46	-0.00		▷	1.88	0.00	1.04	0.00	LC 1-4				
	Min N	-5.12	-0.02		▷	1.95	0.00	1.13	0.03	LC 1-5				
	Max V _y	-3.70	-0.00		▷	1.89	0.00	1.05	0.00	LC 1-5				
	Min V _y	-4.88	▷		-0.02	1.94	0.00	1.11	0.03	LC 1-4				
	Max V _z	-4.99	-0.02		▷	1.96	0.00	1.13	0.03	LC 1-4				
	Min V _z	-3.59	-0.00		▷	1.88	0.00	1.03	0.00	LC 1-5				
	Max M _T	-4.83	-0.02	▷	1.93	0.00	1.10	0.03	LC 1-5					
	Min M _T	-3.75	-0.00	▷	1.90	0.00	1.06	0.00	LC 1-4					
	Max M _y	-4.96	-0.02	▷	1.96	0.00	1.13	0.03	LC 1-4					
	Min M _y	-3.62	-0.00		1.88	0.00	1.03	0.00	LC 1-5					
	Max M _z	-5.04	-0.02		1.95	0.00	1.13	0.03	LC 1-4					
	Min M _z	-3.54	-0.00		1.88	0.00	1.03	0.00	LC 1-5					
	229	RC1	149	0.000	Max N	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 6		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
229	RC1		Left	Min N	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 13
				Max V _y	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 7
				Min V _y	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 10
				Max V _z	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 14
				Min V _z	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 3
				Max M _T	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 1
				Min M _T	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 12
				Max M _y	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 12
				Min M _y	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 1
				Max M _z	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 7
				Min M _z	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 10
			0.000 Right	Max N	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 6
				Min N	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 13
				Max V _y	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 7
				Min V _y	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 10
				Max V _z	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 14
				Min V _z	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 3
				Max M _T	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 1
				Min M _T	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 12
				Max M _y	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 12
				Min M _y	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 1
			0.105 Left	Max M _z	1.41	-0.00	-0.79	0.01	-0.22	-0.00	CO 7
				Min M _z	0.20	-0.01	-0.49	-0.00	-0.04	-0.01	CO 10
				Max N	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 6
				Min N	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 13
				Max V _y	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 7
				Min V _y	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 10
				Max V _z	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 14
				Min V _z	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 3
				Max M _T	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 1
				Min M _T	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 12
			0.105 Right	Max M _y	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 12
				Min M _y	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 1
				Max M _z	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 7
				Min M _z	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 10
				Max N	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 6
				Min N	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 13
				Max V _y	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 7
				Min V _y	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 10
				Max V _z	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 14
				Min V _z	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 3
			1.179 Left	Max M _T	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 1
				Min M _T	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 12
				Max M _y	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 12
				Min M _y	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 1
				Max M _z	1.37	-0.00	-0.67	0.01	-0.30	-0.00	CO 7
				Min M _z	0.16	-0.01	-0.41	-0.00	-0.09	-0.01	CO 10
				Max N	0.98	-0.00	1.28	0.01	-0.04	0.00	CO 6
				Min N	-0.25	-0.01	0.36	-0.00	-0.12	0.00	CO 13
				Max V _y	0.98	-0.00	1.28	0.01	-0.04	0.00	CO 7
				Min V _y	-0.25	-0.01	0.36	-0.00	-0.12	0.00	CO 10
			1.179 Right	Max V _z	0.98	-0.00	1.28	0.01	-0.04	0.00	CO 6
				Min V _z	-0.25	-0.01	0.36	-0.00	-0.12	0.00	CO 9
				Max M _T	0.97	-0.00	1.28	0.01	-0.04	0.00	CO 1
				Min M _T	-0.25	-0.01	0.36	-0.00	-0.12	0.00	CO 12
				Max M _y	0.98	-0.00	1.28	0.01	-0.04	0.00	CO 8
				Min M _y	-0.25	-0.01	0.36	-0.00	-0.12	0.00	CO 9
				Max M _z	0.98	-0.00	1.28	0.01	-0.04	0.00	CO 6
				Min M _z	-0.25	-0.01	0.36	-0.00	-0.12	0.00	CO 13
				Max N	0.98	-0.00	1.28	0.01	-0.04	0.00	CO 6
				Min N	-0.62	-0.01	1.06	-0.00	0.57	0.01	CO 13
			2.147 Left	Max V _y	0.60	-0.01	3.39	0.01	2.21	0.01	CO 7
				Min V _y	-0.61	-0.01	1.06	-0.00	0.57	0.01	CO 10
				Max V _z	0.60	-0.01	3.39	0.01	2.21	0.01	CO 6
				Min V _z	-0.62	-0.01	1.06	-0.00	0.57	0.01	CO 9
				Max M _T	0.60	-0.01	3.39	0.01	2.21	0.01	CO 1
				Min M _T	-0.61	-0.01	1.06	-0.00	0.57	0.01	CO 12
				Max M _y	0.60	-0.01	3.39	0.01	2.21	0.01	CO 8
				Min M _y	-0.62	-0.01	1.06	-0.00	0.57	0.01	CO 9
				Max M _z	-0.61	-0.01	1.06	-0.00	0.57	0.01	CO 10
				Min M _z	0.60	-0.01	3.39	0.01	2.21	0.01	CO 7
		150 2.147 Right	Max N	0.60	-0.01	3.39	0.01	2.21	0.01	0.01	CO 6
			Min N	-0.62	-0.01	1.06	-0.00	0.57	0.01	0.01	CO 13
			Max V _y	0.60	-0.01	3.39	0.01	2.21	0.01	0.01	CO 7
			Min V _y	-0.61	-0.01	1.06	-0.00	0.57	0.01	0.01	CO 10
			Max V _z	0.60	-0.01	3.39	0.01	2.21	0.01	0.01	CO 6
			Min V _z	-0.62	-0.01	1.06	-0.00	0.57	0.01	0.01	CO 9
			Max M _T	0.60	-0.01	3.39	0.01	2.21	0.01	0.01	CO 1
			Min M _T	-0.61	-0.01	1.06	-0.00	0.57	0.01	0.01	CO 12
			Max M _y	0.60	-0.01	3.39	0.01	2.21	0.01	0.01	CO 8
			Min M _y	-0.62	-0.01	1.06	-0.00	0.57	0.01	0.01	CO 9



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
229	RC1	149	0.000 Left	Min M _y	-0.62	-0.01	1.06	-0.00	0.57	0.01	CO 9	
	Max M _z			-0.61	-0.01	1.06	-0.00	0.57	0.01	CO 10		
	Min M _z			0.60	-0.01	3.39	0.01	2.21	0.01	CO 7		
	Max N			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 20		
	Min N			0.13	-0.01	-0.33	-0.00	-0.03	-0.01	CO 27		
	Max V _y			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 21		
	Min V _y			0.13	-0.01	-0.33	-0.00	-0.03	-0.01	CO 24		
	Max V _z			0.13	-0.01	-0.33	-0.00	-0.03	-0.01	CO 28		
	Min V _z			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 19		
	Max M _T			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 15		
	Min M _T			0.14	-0.01	-0.33	-0.00	-0.03	-0.01	CO 26		
	Max M _y			0.14	-0.01	-0.33	-0.00	-0.03	-0.01	CO 26		
	Min M _y			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 15		
	Max M _z			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 21		
	Min M _z			0.13	-0.01	-0.33	-0.00	-0.03	-0.01	CO 24		
	Max N			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 20		
	Min N			0.13	-0.01	-0.33	-0.00	-0.03	-0.01	CO 27		
	Max V _y			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 21		
	Min V _y			0.13	-0.01	-0.33	-0.00	-0.03	-0.01	CO 24		
	Max V _z			0.13	-0.01	-0.33	-0.00	-0.03	-0.01	CO 28		
	Min V _z			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 19		
	Max M _T			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 15		
	Min M _T			0.14	-0.01	-0.33	-0.00	-0.03	-0.01	CO 26		
	Max M _y			0.14	-0.01	-0.33	-0.00	-0.03	-0.01	CO 26		
	Min M _y			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 15		
	Max M _z			1.03	-0.00	-0.55	0.00	-0.16	-0.00	CO 21		
	Min M _z			0.13	-0.01	-0.33	-0.00	-0.03	-0.01	CO 24		
	Max N			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 20		
	Min N			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 27		
	Max V _y			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 21		
	Min V _y			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 24		
	Max V _z			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 28		
	Min V _z			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 19		
	Max M _T			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 15		
	Min M _T			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 26		
	Max M _y			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 26		
	Min M _y			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 15		
	Max M _z			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 21		
	Min M _z			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 24		
	Max N			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 20		
	Min N			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 27		
	Max V _y			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 21		
	Min V _y			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 24		
	Max V _z			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 28		
	Min V _z			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 19		
	Max M _T			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 15		
	Min M _T			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 26		
	Max M _y			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 26		
	Min M _y			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 15		
	Max M _z			1.00	-0.00	-0.47	0.00	-0.22	-0.00	CO 21		
	Min M _z			0.11	-0.01	-0.28	-0.00	-0.06	-0.01	CO 24		
	Max N			0.74	-0.00	0.92	0.00	-0.02	0.00	CO 20		
	Min N			-0.17	-0.01	0.24	-0.00	-0.08	0.00	CO 27		
	Max V _y			0.74	-0.00	0.92	0.00	-0.02	0.00	CO 21		
	Min V _y			-0.16	-0.01	0.24	-0.00	-0.08	0.00	CO 24		
	Max V _z			0.74	-0.00	0.92	0.00	-0.02	0.00	CO 22		
	Min V _z			-0.17	-0.01	0.24	-0.00	-0.08	0.00	CO 23		
	Max M _T			0.73	-0.00	0.92	0.00	-0.02	0.00	CO 15		
	Min M _T			-0.16	-0.01	0.24	-0.00	-0.08	0.00	CO 26		
	Max M _y			0.74	-0.00	0.92	0.00	-0.02	0.00	CO 22		
	Min M _y			-0.17	-0.01	0.24	-0.00	-0.08	0.00	CO 23		
	Max M _z			0.74	-0.00	0.92	0.00	-0.02	0.00	CO 20		
	Min M _z			-0.17	-0.01	0.24	-0.00	-0.08	0.00	CO 27		
	Max N			0.49	-0.00	2.43	0.00	1.60	0.01	CO 20		
	Min N			-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 27		
	Max V _y			0.48	-0.00	2.43	0.00	1.59	0.01	CO 21		
	Min V _y			-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 24		
	Max V _z			0.48	-0.00	2.43	0.00	1.60	0.01	CO 22		
	Min V _z			-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 23		
	Max M _T			0.48	-0.00	2.43	0.00	1.59	0.01	CO 15		
	Min M _T			-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 26		
	Max M _y			0.48	-0.00	2.43	0.00	1.60	0.01	CO 22		
	Min M _y			-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 23		
	Max M _z			-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 24		
	Min M _z			0.48	-0.00	2.43	0.00	1.59	0.01	CO 21		
	Max N			0.49	-0.00	2.43	0.00	1.60	0.01	CO 20		
	Min N			-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 27		
	Max V _y			0.48	-0.00	2.43	0.00	1.59	0.01	CO 21		
	Min V _y			-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 24		
	Max V _z			0.48	-0.00	2.43	0.00	1.60	0.01	CO 22		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
229	RC2	149	0.000 Left	Min V _z	-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 23
				Max M _T	0.48	-0.00	2.43	0.00	1.59	0.01	CO 15
				Min M _T	-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 26
				Max M _y	0.48	-0.00	2.43	0.00	1.60	0.01	CO 22
				Min M _y	-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 23
				Max M _z	-0.41	-0.01	0.71	-0.00	0.38	0.01	CO 24
				Min M _z	0.48	-0.00	2.43	0.00	1.59	0.01	CO 21
				Max N	5.58	-0.01	-0.09	0.01	-0.20	-0.00	LC 1-5
				Min N	-3.72	-0.00	-0.44	-0.00	-0.07	-0.00	LC 1-4
				Max V _y	-0.57	0.01	-0.23	0.01	-0.15	0.01	LC 1-5
				Min V _y	2.42	-0.02	-0.30	0.00	-0.12	-0.02	LC 1-4
				Max V _z	4.81	-0.00	-0.07	0.01	-0.20	0.00	LC 1-5
				Min V _z	-2.96	-0.01	-0.45	-0.00	-0.07	-0.01	LC 1-4
				Max M _T	4.77	-0.00	-0.08	0.01	-0.20	0.00	LC 1-4
				Min M _T	-2.92	-0.01	-0.45	-0.00	-0.07	-0.01	LC 1-5
				Max M _y	-2.93	-0.01	-0.45	-0.00	-0.07	-0.01	LC 1-5
				Min M _y	4.78	-0.00	-0.08	0.01	-0.20	0.00	LC 1-4
				Max M _z	0.15	0.01	-0.21	0.01	-0.16	0.01	LC 1-5
				Min M _z	1.70	-0.02	-0.32	0.00	-0.11	-0.02	LC 1-4
			0.000 Right	Max N	5.58	-0.01	-0.09	0.01	-0.20	-0.00	LC 1-5
				Min N	-3.72	-0.00	-0.44	-0.00	-0.07	-0.00	LC 1-4
				Max V _y	-0.57	0.01	-0.23	0.01	-0.15	0.01	LC 1-5
				Min V _y	2.42	-0.02	-0.30	0.00	-0.12	-0.02	LC 1-4
				Max V _z	4.81	-0.00	-0.07	0.01	-0.20	0.00	LC 1-5
				Min V _z	-2.96	-0.01	-0.45	-0.00	-0.07	-0.01	LC 1-4
				Max M _T	4.77	-0.00	-0.08	0.01	-0.20	0.00	LC 1-4
				Min M _T	-2.92	-0.01	-0.45	-0.00	-0.07	-0.01	LC 1-5
				Max M _y	-2.93	-0.01	-0.45	-0.00	-0.07	-0.01	LC 1-5
				Min M _y	4.78	-0.00	-0.08	0.01	-0.20	0.00	LC 1-4
			0.105 Left	Max M _z	0.15	0.01	-0.21	0.01	-0.16	0.01	LC 1-5
				Min M _z	1.70	-0.02	-0.32	0.00	-0.11	-0.02	LC 1-4
				Max N	5.57	-0.01	-0.06	0.01	-0.21	-0.00	LC 1-5
				Min N	-3.73	-0.00	-0.40	-0.00	-0.12	-0.00	LC 1-4
				Max V _y	-0.57	0.01	-0.20	0.01	-0.17	0.01	LC 1-5
				Min V _y	2.42	-0.02	-0.26	0.00	-0.15	-0.01	LC 1-4
				Max V _z	4.81	-0.00	-0.04	0.01	-0.21	0.00	LC 1-5
				Min V _z	-2.96	-0.01	-0.42	-0.00	-0.11	-0.01	LC 1-4
				Max M _T	4.77	-0.00	-0.04	0.01	-0.21	0.00	LC 1-4
				Min M _T	-2.92	-0.01	-0.42	-0.00	-0.11	-0.01	LC 1-5
			0.105 Right	Max M _y	-2.91	-0.01	-0.42	-0.00	-0.11	-0.01	LC 1-5
				Min M _y	4.76	-0.00	-0.04	0.01	-0.21	0.00	LC 1-4
				Max M _z	0.22	0.01	-0.17	0.01	-0.18	0.01	LC 1-5
				Min M _z	1.63	-0.02	-0.29	0.00	-0.15	-0.01	LC 1-4
				Max N	5.57	-0.01	-0.06	0.01	-0.21	-0.00	LC 1-5
				Min N	-3.73	-0.00	-0.40	-0.00	-0.12	-0.00	LC 1-4
				Max V _y	-0.57	0.01	-0.20	0.01	-0.17	0.01	LC 1-5
				Min V _y	2.42	-0.02	-0.26	0.00	-0.15	-0.01	LC 1-4
				Max V _z	4.81	-0.00	-0.04	0.01	-0.21	0.00	LC 1-5
				Min V _z	-2.96	-0.01	-0.42	-0.00	-0.11	-0.01	LC 1-4
			1.179 Left	Max M _T	4.77	-0.00	-0.04	0.01	-0.21	0.00	LC 1-4
				Min M _T	-2.92	-0.01	-0.42	-0.00	-0.11	-0.01	LC 1-5
				Max M _y	-2.91	-0.01	-0.42	-0.00	-0.11	-0.01	LC 1-5
				Min M _y	4.76	-0.00	-0.04	0.01	-0.21	0.00	LC 1-4
				Max M _z	0.22	0.01	-0.17	0.01	-0.18	0.01	LC 1-5
				Min M _z	1.63	-0.02	-0.29	0.00	-0.15	-0.01	LC 1-4
				Max N	5.56	-0.01	0.85	0.01	0.17	0.01	LC 1-5
				Min N	-3.74	-0.00	0.50	-0.00	-0.11	0.00	LC 1-4
				Max V _y	-0.59	0.01	0.71	0.01	0.05	0.00	LC 1-5
				Min V _y	2.40	-0.02	0.64	0.00	0.00	0.01	LC 1-4
			1.179 Right	Max V _z	4.79	-0.00	0.86	0.01	0.18	0.01	LC 1-5
				Min V _z	-2.98	-0.01	0.49	-0.00	-0.13	0.00	LC 1-4
				Max M _T	4.75	-0.00	0.86	0.01	0.18	0.01	LC 1-4
				Min M _T	-2.94	-0.01	0.49	-0.00	-0.13	0.00	LC 1-5
				Max M _y	4.79	-0.00	0.86	0.01	0.18	0.01	LC 1-5
				Min M _y	-2.98	-0.01	0.49	-0.00	-0.13	0.00	LC 1-4
				Max M _z	5.23	-0.01	0.82	0.01	0.15	0.01	LC 1-5
				Min M _z	-3.42	-0.00	0.53	0.00	-0.09	0.00	LC 1-4
				Max N	5.56	-0.01	0.85	0.01	0.17	0.01	LC 1-5
				Min N	-3.74	-0.00	0.50	-0.00	-0.11	0.00	LC 1-4
			2.147 Left	Max V _y	-0.59	0.01	0.71	0.01	0.05	0.00	LC 1-5
				Min V _y	2.40	-0.02	0.64	0.00	0.00	0.01	LC 1-4
				Max V _z	4.79	-0.00	0.86	0.01	0.18	0.01	LC 1-5
				Min V _z	-2.98	-0.01	0.49	-0.00	-0.13	0.00	LC 1-4
				Max M _T	4.75	-0.00	0.86	0.01	0.18	0.01	LC 1-4
				Min M _T	-2.94	-0.01	0.49	-0.00	-0.13	0.00	LC 1-5
				Max M _y	4.79	-0.00	0.86	0.01	0.18	0.01	LC 1-5
				Min M _y	-2.98	-0.01	0.49	-0.00	-0.13	0.00	LC 1-4
				Max M _z	5.23	-0.01	0.82	0.01	0.15	0.01	LC 1-5
				Min M _z	-3.42	-0.00	0.53	0.00	-0.09	0.00	LC 1-4
			2.147 Right	Max N	5.54	-0.01	1.92	0.01	1.50	0.02	LC 1-5
				Min N	-3.76	-0.00	1.57	-0.00	0.89	0.00	LC 1-4
				Max V _y	-0.60	0.01	1.78	0.01	1.25	-0.00	LC 1-5
				Min V _y	2.38	-0.02	1.71	0.00	1.14	0.03	LC 1-4
				Max V _z	4.77	-0.00	1.93	0.01	1.54	0.01	LC 1-5
				Min V _z	-2.99	-0.01	1.55	-0.00	0.86	0.01	LC 1-4
				Max M _T	4.74	-0.00	1.93	0.01	1.53	0.01	LC 1-4
				Min M _T	-2.96	-0.01	1.56	-0.00	0.86	0.01	LC 1-5
				Max M _y	4.77	-0.00	1.93	0.01	1.54	0.01	LC 1-5
				Min M _y	-2.99	-0.01	1.55	-0.00	0.86	0.01	LC 1-4
			2.147	Max M _z	2.99	-0.02	1.74	0.00	1.18	0.03	LC 1-4
				Min M _z	-1.21	0.01	1.75	0.01	1.21	-0.00	LC 1-5
		150	2.147	Max N	5.54	-0.01	1.92	0.01	1.50	0.02	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]				Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z				
229	RC6		Right	Min N	▷ -3.76	-0.00	1.57	-0.00	0.89	0.00	LC 1-4		
				Max V _y	▷ -0.60	0.01	1.78	0.01	1.25	-0.00	LC 1-5		
				Min V _y	▷ 2.38	-0.02	1.71	0.00	1.14	0.03	LC 1-4		
				Max V _z	4.77	-0.00	▷ 1.93	0.01	1.54	0.01	LC 1-5		
				Min V _z	-2.99	-0.01	▷ 1.55	-0.00	0.86	0.01	LC 1-4		
				Max M _T	4.74	-0.00	▷ 1.93	▷ 0.01	1.53	0.01	LC 1-4		
				Min M _T	-2.96	-0.01	1.56	▷ -0.00	0.86	0.01	LC 1-5		
				Max M _y	4.77	-0.00	1.93	0.01	▷ 1.54	0.01	LC 1-5		
				Min M _y	-2.99	-0.01	1.55	-0.00	▷ 0.86	0.01	LC 1-4		
				Max M _z	2.99	-0.02	1.74	0.00	▷ 1.18	0.03	LC 1-4		
				Min M _z	-1.21	0.01	1.75	0.01	▷ 1.21	-0.00	LC 1-5		
232	RC1	151	0.000 Left	Max N	▷ -0.10	-0.02	0.99	-0.01	-0.03	-0.00	CO 1		
				Min N	▷ -0.19	-0.03	-0.01	-0.00	-0.02	-0.01	CO 12		
				Max V _y	▷ -0.10	-0.02	0.99	-0.01	-0.03	-0.00	CO 7		
				Min V _y	▷ -0.18	-0.03	-0.01	-0.00	-0.02	-0.01	CO 10		
				Max V _z	▷ -0.10	-0.02	▷ 0.99	-0.01	-0.03	-0.00	CO 8		
				Min V _z	▷ -0.18	-0.03	▷ -0.01	-0.00	-0.02	-0.01	CO 10		
				Max M _T	▷ -0.18	-0.03	-0.01	▷ -0.00	-0.02	-0.01	CO 13		
				Min M _T	-0.10	-0.02	0.99	▷ -0.01	-0.03	-0.00	CO 6		
				Max M _y	-0.18	-0.03	-0.01	▷ -0.00	-0.02	-0.01	CO 10		
				Min M _y	-0.10	-0.02	0.99	▷ -0.01	-0.03	-0.00	CO 1		
				Max M _z	-0.10	-0.02	0.99	-0.01	▷ -0.03	-0.00	CO 8		
				Min M _z	-0.18	-0.03	-0.01	-0.00	▷ -0.02	-0.01	CO 9		
				Max N	▷ -0.10	-0.02	0.99	-0.01	-0.03	-0.00	CO 1		
				Min N	▷ -0.19	-0.03	-0.01	-0.00	-0.02	-0.01	CO 12		
				Max V _y	▷ -0.10	-0.02	0.99	-0.01	-0.03	-0.00	CO 7		
				Min V _y	▷ -0.18	-0.03	-0.01	-0.00	-0.02	-0.01	CO 10		
				Max V _z	▷ -0.10	-0.02	▷ 0.99	-0.01	-0.03	-0.00	CO 8		
				Min V _z	▷ -0.18	-0.03	▷ -0.01	-0.00	-0.02	-0.01	CO 10		
			Max M _T	▷ -0.18	-0.03	-0.01	▷ -0.00	-0.02	-0.01	CO 13			
			Min M _T	-0.10	-0.02	0.99	▷ -0.01	-0.03	-0.00	CO 6			
			Max M _y	-0.18	-0.03	-0.01	▷ -0.00	-0.02	-0.01	CO 10			
			Min M _y	-0.10	-0.02	0.99	▷ -0.01	-0.03	-0.00	CO 1			
			Max M _z	-0.10	-0.02	0.99	-0.01	▷ -0.03	-0.00	CO 8			
			Min M _z	-0.18	-0.03	-0.01	-0.00	▷ -0.02	-0.01	CO 9			
			0.000 Right	Max N	▷ -0.10	-0.02	0.99	-0.01	-0.03	-0.00	CO 1		
				Min N	▷ -0.19	-0.03	-0.01	-0.00	-0.02	-0.01	CO 12		
				Max V _y	▷ -0.10	-0.02	0.99	-0.01	-0.03	-0.00	CO 7		
				Min V _y	▷ -0.18	-0.03	-0.01	-0.00	-0.02	-0.01	CO 10		
				Max V _z	▷ -0.10	-0.02	▷ 0.99	-0.01	-0.03	-0.00	CO 8		
				Min V _z	▷ -0.18	-0.03	▷ -0.01	-0.00	-0.02	-0.01	CO 10		
				Max M _T	▷ -0.18	-0.03	-0.01	▷ -0.00	-0.02	-0.01	CO 13		
				Min M _T	-0.10	-0.02	0.99	▷ -0.01	-0.03	-0.00	CO 6		
				Max M _y	-0.18	-0.03	-0.01	▷ -0.00	-0.02	-0.01	CO 10		
				Min M _y	-0.10	-0.02	0.99	▷ -0.01	-0.03	-0.00	CO 1		
				Max M _z	-0.10	-0.02	0.99	-0.01	▷ -0.03	-0.00	CO 8		
				Min M _z	-0.18	-0.03	-0.01	-0.00	▷ -0.02	-0.01	CO 9		
				0.105 Left	Max N	▷ -0.14	-0.02	1.10	-0.01	0.08	-0.00	CO 1	
					Min N	▷ -0.23	-0.03	0.07	-0.00	-0.02	-0.01	CO 12	
					Max V _y	▷ -0.14	-0.02	1.10	-0.01	0.08	-0.00	CO 7	
					Min V _y	▷ -0.22	-0.03	0.07	-0.00	-0.02	-0.01	CO 10	
					Max V _z	▷ -0.14	-0.02	▷ 1.10	-0.01	0.08	-0.00	CO 8	
					Min V _z	▷ -0.22	-0.03	▷ 0.07	-0.00	-0.02	-0.01	CO 10	
					Max M _T	▷ -0.22	-0.03	0.07	▷ -0.00	-0.02	-0.01	CO 13	
					Min M _T	-0.14	-0.02	1.10	-0.01	0.08	-0.00	CO 6	
					Max M _y	-0.14	-0.02	1.10	-0.01	▷ 0.08	-0.00	CO 8	
					Min M _y	-0.22	-0.03	0.07	-0.00	▷ -0.02	-0.01	CO 13	
					Max M _z	-0.14	-0.02	1.10	-0.01	▷ 0.08	-0.00	CO 8	
					Min M _z	-0.22	-0.03	0.07	-0.00	▷ -0.02	-0.01	CO 9	
					0.105 Right	Max N	▷ -0.14	-0.02	1.10	-0.01	0.08	-0.00	CO 1
						Min N	▷ -0.23	-0.03	0.07	-0.00	-0.02	-0.01	CO 12
						Max V _y	▷ -0.14	-0.02	1.10	-0.01	0.08	-0.00	CO 7
						Min V _y	▷ -0.22	-0.03	0.07	-0.00	-0.02	-0.01	CO 10
						Max V _z	▷ -0.14	-0.02	▷ 1.10	-0.01	0.08	-0.00	CO 8
						Min V _z	▷ -0.22	-0.03	▷ 0.07	-0.00	-0.02	-0.01	CO 10
				Max M _T		▷ -0.22	-0.03	0.07	▷ -0.00	-0.02	-0.01	CO 13	
				Min M _T		-0.14	-0.02	1.10	-0.01	0.08	-0.00	CO 6	
				Max M _y		-0.14	-0.02	1.10	-0.01	▷ 0.08	-0.00	CO 8	
				Min M _y		-0.22	-0.03	0.07	-0.00	▷ -0.02	-0.01	CO 13	
				Max M _z		-0.14	-0.02	1.10	-0.01	▷ 0.08	-0.00	CO 8	
				Min M _z		-0.22	-0.03	0.07	-0.00	▷ -0.02	-0.01	CO 9	
			1.074 Left	Max N		▷ -0.51	-0.02	2.87	-0.01	1.95	0.02	CO 1	
				Min N		▷ -0.59	-0.03	0.76	-0.00	0.39	0.02	CO 12	
				Max V _y		▷ -0.51	-0.02	2.87	-0.01	1.95	0.02	CO 7	
				Min V _y		▷ -0.59	-0.03	0.76	-0.00	0.39	0.02	CO 10	
				Max V _z		▷ -0.52	-0.02	▷ 2.87	-0.01	1.95	0.02	CO 8	
				Min V _z		▷ -0.59	-0.03	▷ 0.76	-0.00	0.39	0.02	CO 10	
				Max M _T	▷ -0.59	-0.03	0.76	▷ -0.00	0.39	0.02	CO 13		
				Min M _T	-0.52	-0.02	2.87	▷ -0.01	1.95	0.02	CO 6		
				Max M _y	-0.52	-0.02	2.87	-0.01	▷ 1.95	0.02	CO 8		
				Min M _y	-0.59	-0.03	0.76	-0.00	▷ 0.39	0.02	CO 9		
				Max M _z	-0.59	-0.03	0.76	-0.00	▷ 0.39	0.02	CO 10		
				Min M _z	-0.51	-0.02	2.87	-0.01	▷ 1.95	0.02	CO 7		
				1.074 Right	Max N	▷ -0.51	-0.02	2.87	-0.01	1.95	0.02	CO 1	
					Min N	▷ -0.59	-0.03	0.76	-0.00	0.39	0.02	CO 12	
					Max V _y	▷ -0.51	-0.02	2.87	-0.01	1.95	0.02	CO 7	
					Min V _y	▷ -0.59	-0.03	0.76	-0.00	0.39	0.02	CO 10	
					Max V _z	▷ -0.52	-0.02	▷ 2.87	-0.01	1.95	0.02	CO 8	
					Min V _z	▷ -0.59	-0.03	▷ 0.76	-0.00	0.39	0.02	CO 10	
			Max M _T		▷ -0.59	-0.03	0.76	▷ -0.00	0.39	0.02	CO 13		
			Min M _T		-0.52	-0.02	2.87	▷ -0.01	1.95	0.02	CO 6		
			Max M _y		-0.52	-0.02	2.87	-0.01	▷ 1.95	0.02	CO 8		
Min M _y	-0.59	-0.03	0.76		-0.00	▷ 0.39	0.02	CO 9					
Max M _z	-0.59	-0.03	0.76		-0.00	▷ 0.39	0.02	CO 10					
Min M _z	-0.51	-0.02	2.87		-0.01	▷ 1.95	0.02	CO 7					
RC2	151	0.000 Left	Max N		▷ -0.07	-0.02	0.73	-0.00	-0.02	-0.00	CO 15		
			Min N		▷ -0.14	-0.03	-0.01	-0.00	-0.01	-0.01	CO 26		
			Max V _y		▷ -0.07	-0.02	0.73	-0.00	-0.02	-0.00	CO 21		
			Min V _y		▷ -0.14	-0.03	-0.01	-0.00	-0.01	-0.01	CO 24		
			Max V _z		-0.08	-0.02	▷ 0.73	-0.00	-0.02	-0.00	CO 22		
			Min V _z		-0.14	-0.03	▷ -0.01	-0.00	-0.01	-0.01	CO 24		
			Max M _T	-0.13	-0.03	-0.01	▷ -0.00	-0.01	-0.01	CO 27			
			Min M _T	-0.08	-0.02	0.73	▷ -0.00	-0.02	-0.00	CO 20			
			Max M _y	-0.14	-0.03	-0.01	-0.00	▷ -0.01	-0.01	CO 26			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
232	RC2				Min M _y	-0.07	-0.02	0.73	-0.00	-0.02	CO 15
					Max M _z	-0.08	-0.02	0.73	-0.00	-0.02	CO 22
					Min M _z	-0.13	-0.03	-0.01	-0.00	-0.01	CO 23
					Max N	-0.07	-0.02	0.73	-0.00	-0.02	CO 15
					Min N	-0.14	-0.03	-0.01	-0.00	-0.01	CO 26
					Max V _y	-0.07	-0.02	0.73	-0.00	-0.02	CO 21
					Min V _y	-0.14	-0.03	-0.01	-0.00	-0.01	CO 24
					Max V _z	-0.08	-0.02	0.73	-0.00	-0.02	CO 22
					Min V _z	-0.14	-0.03	-0.01	-0.00	-0.01	CO 24
					Max M _T	-0.13	-0.03	-0.01	-0.00	-0.01	CO 27
					Min M _T	-0.08	-0.02	0.73	-0.00	-0.02	CO 20
					Max M _y	-0.14	-0.03	-0.01	-0.00	-0.01	CO 26
					Min M _y	-0.07	-0.02	0.73	-0.00	-0.02	CO 15
					Max M _z	-0.08	-0.02	0.73	-0.00	-0.02	CO 22
					Min M _z	-0.13	-0.03	-0.01	-0.00	-0.01	CO 23
					Max N	-0.10	-0.02	0.81	-0.00	0.06	CO 15
					Min N	-0.16	-0.03	0.04	-0.00	-0.01	CO 26
					Max V _y	-0.10	-0.02	0.81	-0.00	0.06	CO 21
					Min V _y	-0.16	-0.03	0.04	-0.00	-0.01	CO 24
					Max V _z	-0.10	-0.02	0.81	-0.00	0.06	CO 22
					Min V _z	-0.16	-0.03	0.04	-0.00	-0.01	CO 24
					Max M _T	-0.16	-0.03	0.04	-0.00	-0.01	CO 27
					Min M _T	-0.10	-0.02	0.81	-0.00	0.06	CO 20
					Max M _y	-0.10	-0.02	0.81	-0.00	0.06	CO 20
					Min M _y	-0.16	-0.03	0.04	-0.00	-0.01	CO 27
					Max M _z	-0.10	-0.02	0.81	-0.00	0.06	CO 22
					Min M _z	-0.16	-0.03	0.04	-0.00	-0.01	CO 23
					Max N	-0.10	-0.02	0.81	-0.00	0.06	CO 15
					Min N	-0.16	-0.03	0.04	-0.00	-0.01	CO 26
					Max V _y	-0.10	-0.02	0.81	-0.00	0.06	CO 21
					Min V _y	-0.16	-0.03	0.04	-0.00	-0.01	CO 24
					Max V _z	-0.10	-0.02	0.81	-0.00	0.06	CO 22
					Min V _z	-0.16	-0.03	0.04	-0.00	-0.01	CO 24
					Max M _T	-0.16	-0.03	0.04	-0.00	-0.01	CO 27
					Min M _T	-0.10	-0.02	0.81	-0.00	0.06	CO 20
					Max M _y	-0.10	-0.02	0.81	-0.00	0.06	CO 20
					Min M _y	-0.16	-0.03	0.04	-0.00	-0.01	CO 27
					Max M _z	-0.10	-0.02	0.81	-0.00	0.06	CO 22
					Min M _z	-0.16	-0.03	0.04	-0.00	-0.01	CO 23
					Max N	-0.35	-0.02	2.07	-0.00	1.41	CO 15
					Min N	-0.41	-0.03	0.51	-0.00	0.26	CO 26
					Max V _y	-0.35	-0.02	2.07	-0.00	1.41	CO 21
					Min V _y	-0.41	-0.03	0.51	-0.00	0.26	CO 24
					Max V _z	-0.35	-0.02	2.07	-0.00	1.41	CO 21
					Min V _z	-0.41	-0.03	0.51	-0.00	0.26	CO 24
					Max M _T	-0.41	-0.02	0.51	-0.00	0.26	CO 27
					Min M _T	-0.35	-0.02	2.07	-0.00	1.41	CO 20
					Max M _y	-0.35	-0.02	2.07	-0.00	1.41	CO 22
					Min M _y	-0.41	-0.03	0.51	-0.00	0.26	CO 23
					Max M _z	-0.41	-0.03	0.51	-0.00	0.26	CO 24
					Min M _z	-0.35	-0.02	2.07	-0.00	1.41	CO 21
					Max N	-0.35	-0.02	2.07	-0.00	1.41	CO 15
					Min N	-0.41	-0.03	0.51	-0.00	0.26	CO 26
					Max V _y	-0.35	-0.02	2.07	-0.00	1.41	CO 21
					Min V _y	-0.41	-0.03	0.51	-0.00	0.26	CO 24
					Max V _z	-0.35	-0.02	2.07	-0.00	1.41	CO 21
					Min V _z	-0.41	-0.03	0.51	-0.00	0.26	CO 24
					Max M _T	-0.41	-0.02	0.51	-0.00	0.26	CO 27
					Min M _T	-0.35	-0.02	2.07	-0.00	1.41	CO 20
					Max M _y	-0.35	-0.02	2.07	-0.00	1.41	CO 22
					Min M _y	-0.41	-0.03	0.51	-0.00	0.26	CO 23
					Max M _z	-0.41	-0.03	0.51	-0.00	0.26	CO 24
					Min M _z	-0.35	-0.02	2.07	-0.00	1.41	CO 21
					Max N	1.25	-0.03	1.10	-0.00	0.01	LC 1-4
					Min N	-1.46	-0.03	0.33	-0.00	-0.02	LC 1-5
					Max V _y	-0.61	0.01	0.85	-0.00	-0.01	LC 1-5
					Min V _y	0.40	-0.07	0.58	-0.00	-0.00	LC 1-4
					Max V _z	0.84	-0.01	1.18	-0.00	0.02	LC 1-5
					Min V _z	-1.05	-0.04	0.25	-0.00	-0.03	LC 1-4
					Max M _T	0.56	-0.01	0.92	-0.00	-0.01	LC 1-4
					Min M _T	-0.77	-0.05	0.51	-0.01	-0.00	LC 1-5
					Max M _y	0.79	-0.03	1.10	-0.00	0.02	LC 1-4
					Min M _y	-1.00	-0.03	0.33	-0.00	-0.03	LC 1-5
					Max M _z	-0.54	0.01	0.89	-0.00	-0.00	LC 1-5
					Min M _z	0.33	-0.07	0.54	-0.00	-0.01	LC 1-4
					Max N	1.25	-0.03	1.13	-0.00	0.13	LC 1-4
					Min N	-1.46	-0.03	0.36	-0.00	-0.01	LC 1-5
					Max V _y	-0.61	0.01	0.88	-0.00	0.09	LC 1-5
					Min V _y	0.39	-0.07	0.61	-0.00	0.06	LC 1-4
					Max V _z	0.84	-0.01	1.21	-0.00	0.14	LC 1-5



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases						
					N	V _y	V _z	M _T	M _y	M _z							
232	RC6			0.105 Right	Min V _z	-1.05	-0.04	▷	0.28	-0.00	0.00	-0.01	LC 1-4				
					Max M _T	0.56	-0.01	▷	0.95	-0.00	0.09	0.00	LC 1-4				
					Min M _T	-0.78	-0.05	▷	0.54	-0.01	0.05	-0.01	LC 1-5				
					Max M _y	0.83	-0.02	▷	1.20	-0.00	0.14	0.00	LC 1-5				
					Min M _y	-1.05	-0.04	▷	0.29	-0.00	0.00	-0.01	LC 1-4				
					Max M _z	-0.54	0.01	▷	0.93	-0.00	0.09	0.01	LC 1-5				
					Min M _z	0.32	-0.07	▷	0.56	-0.00	0.05	-0.02	LC 1-4				
					Max N	1.25	-0.03	▷	1.13	-0.00	0.13	-0.00	LC 1-4				
					Min N	-1.46	-0.03	▷	0.36	-0.00	0.01	-0.01	LC 1-5				
					Max V _y	-0.61	0.01	▷	0.88	-0.00	0.09	0.01	LC 1-5				
					Min V _y	0.39	-0.07	▷	0.61	-0.00	0.06	-0.02	LC 1-4				
					Max V _z	0.84	-0.01	▷	1.21	-0.00	0.14	0.00	LC 1-5				
					Min V _z	-1.05	-0.04	▷	0.28	-0.00	0.00	-0.01	LC 1-4				
					Max M _T	0.56	-0.01	▷	0.95	-0.00	0.09	0.00	LC 1-4				
					Min M _T	-0.78	-0.05	▷	0.54	-0.01	0.05	-0.01	LC 1-5				
					Max M _y	0.83	-0.02	▷	1.20	-0.00	0.14	0.00	LC 1-5				
					Min M _y	-1.05	-0.04	▷	0.29	-0.00	0.00	-0.01	LC 1-4				
					Max M _z	-0.54	0.01	▷	0.93	-0.00	0.09	0.01	LC 1-5				
					Min M _z	0.32	-0.07	▷	0.56	-0.00	0.05	-0.02	LC 1-4				
					Max N	1.23	-0.03	▷	1.95	-0.00	1.58	0.03	LC 1-4				
					Min N	-1.48	-0.03	▷	1.18	-0.00	0.72	0.02	LC 1-5				
					Max V _y	-0.62	0.01	▷	1.70	-0.00	1.29	-0.00	LC 1-5				
					Min V _y	0.38	-0.07	▷	1.43	-0.00	1.00	0.05	LC 1-4				
					Max V _z	0.82	-0.01	▷	2.03	-0.00	1.67	0.02	LC 1-5				
					Min V _z	-1.07	-0.04	▷	1.10	-0.00	0.63	0.03	LC 1-4				
					Max M _T	0.55	-0.01	▷	1.77	-0.00	1.36	0.01	LC 1-4				
					Min M _T	-0.79	-0.05	▷	1.36	-0.01	0.93	0.03	LC 1-5				
					Max M _y	0.82	-0.01	▷	2.03	-0.00	1.67	0.02	LC 1-5				
					Min M _y	-1.07	-0.04	▷	1.10	-0.00	0.63	0.03	LC 1-4				
					Max M _z	0.45	-0.07	▷	1.47	-0.00	1.05	0.05	LC 1-4				
					Min M _z	-0.70	0.01	▷	1.66	-0.00	1.25	-0.00	LC 1-5				
					Max N	1.23	-0.03	▷	1.95	-0.00	1.58	0.03	LC 1-4				
					Min N	-1.48	-0.03	▷	1.18	-0.00	0.72	0.02	LC 1-5				
					Max V _y	-0.62	0.01	▷	1.70	-0.00	1.29	-0.00	LC 1-5				
					Min V _y	0.38	-0.07	▷	1.43	-0.00	1.00	0.05	LC 1-4				
					Max V _z	0.82	-0.01	▷	2.03	-0.00	1.67	0.02	LC 1-5				
					Min V _z	-1.07	-0.04	▷	1.10	-0.00	0.63	0.03	LC 1-4				
					Max M _T	0.55	-0.01	▷	1.77	-0.00	1.36	0.01	LC 1-4				
					Min M _T	-0.79	-0.05	▷	1.36	-0.01	0.93	0.03	LC 1-5				
					Max M _y	0.82	-0.01	▷	2.03	-0.00	1.67	0.02	LC 1-5				
					Min M _y	-1.07	-0.04	▷	1.10	-0.00	0.63	0.03	LC 1-4				
					Max M _z	0.45	-0.07	▷	1.47	-0.00	1.05	0.05	LC 1-4				
					Min M _z	-0.70	0.01	▷	1.66	-0.00	1.25	-0.00	LC 1-5				
					235	RC1	153	0.000 Left	Max N	1.47	-0.00	▷	-2.19	0.00	0.17	-0.01	CO 1
									Min N	0.45	-0.00	▷	-0.93	-0.00	0.13	-0.00	CO 12
									Max V _y	1.47	-0.00	▷	-2.19	0.00	0.17	-0.01	CO 1
									Min V _y	0.45	-0.00	▷	-0.93	-0.00	0.13	-0.00	CO 12
									Max V _z	1.46	-0.00	▷	-0.93	-0.00	0.13	-0.00	CO 14
									Min V _z	1.46	-0.00	▷	-2.19	0.00	0.17	-0.01	CO 3
Max M _T	1.46	-0.00	▷	-2.19					0.00	0.17	-0.01	CO 3					
Min M _T	0.45	-0.00	▷	-0.93					-0.00	0.13	-0.00	CO 12					
Max M _y	1.46	-0.00	▷	-2.19					0.00	0.17	-0.01	CO 4					
Min M _y	0.46	-0.00	▷	-0.93					-0.00	0.13	-0.00	CO 13					
Max M _z	0.46	-0.00	▷	-0.93					-0.00	0.13	-0.00	CO 13					
Min M _z	1.46	-0.00	▷	-2.19					0.00	0.17	-0.01	CO 6					
Max N	1.47	-0.00	▷	-2.19					0.00	0.17	-0.01	CO 1					
Min N	0.45	-0.00	▷	-0.93					-0.00	0.13	-0.00	CO 12					
Max V _y	1.47	-0.00	▷	-2.19					0.00	0.17	-0.01	CO 1					
Min V _y	0.45	-0.00	▷	-0.93					-0.00	0.13	-0.00	CO 12					
Max V _z	1.46	-0.00	▷	-0.93					-0.00	0.13	-0.00	CO 14					
Min V _z	1.46	-0.00	▷	-2.19					0.00	0.17	-0.01	CO 3					
Max M _T	1.46	-0.00	▷	-2.19					0.00	0.17	-0.01	CO 3					
Min M _T	0.45	-0.00	▷	-0.93					-0.00	0.13	-0.00	CO 12					
Max M _y	1.46	-0.00	▷	-2.19					0.00	0.17	-0.01	CO 4					
Min M _y	0.46	-0.00	▷	-0.93					-0.00	0.13	-0.00	CO 13					
Max M _z	0.46	-0.00	▷	-0.93					-0.00	0.13	-0.00	CO 13					
Min M _z	1.46	-0.00	▷	-2.19					0.00	0.17	-0.01	CO 6					
Max N	1.43	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 1					
Min N	0.41	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 12					
Max V _y	1.43	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 1					
Min V _y	0.41	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 12					
Max V _z	0.42	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 14					
Min V _z	1.42	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 3					
Max M _T	1.42	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 3					
Min M _T	0.41	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 12					
Max M _y	0.41	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 12					
Min M _y	1.43	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 7					
Max M _z	0.42	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 13					
Min M _z	1.42	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 6					
Max N	1.43	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 1					
Min N	0.41	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 12					
Max V _y	1.43	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 1					
Min V _y	0.41	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 12					
Max V _z	0.42	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 14					
Min V _z	1.42	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 3					
Max M _T	1.42	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 3					
Min M _T	0.41	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 12					
Max M _y	0.41	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 12					
Min M _y	1.43	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 7					
Max M _z	0.42	-0.00	▷	-0.85					-0.00	0.03	-0.00	CO 13					
Min M _z	1.42	-0.00	▷	-2.08					0.00	-0.05	-0.01	CO 6					
Max N	1.01	-0.00	▷	-0.14					0.00	-1.30	-0.00	CO 1					

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
235	RC1		Left	Min N	0.00	-0.00	-0.08	-0.00	-0.46	-0.00	CO 12
				Max V _y	0.01	-0.00	-0.08	-0.00	-0.47	-0.00	CO 13
				Min V _y	1.00	-0.00	-0.14	0.00	-1.30	-0.00	CO 6
				Max V _z	0.01	-0.00	-0.08	-0.00	-0.46	-0.00	CO 14
				Min V _z	1.00	-0.00	-0.14	0.00	-1.30	-0.00	CO 3
				Max M _T	1.00	-0.00	-0.14	0.00	-1.30	-0.00	CO 3
				Min M _T	0.00	-0.00	-0.08	-0.00	-0.46	-0.00	CO 12
				Max M _y	0.01	-0.00	-0.08	-0.00	-0.46	-0.00	CO 14
				Min M _y	1.00	-0.00	-0.14	0.00	-1.30	-0.00	CO 3
				Max M _z	0.01	-0.00	-0.08	-0.00	-0.47	-0.00	CO 13
				Min M _z	1.00	-0.00	-0.14	0.00	-1.30	-0.00	CO 6
			1.179 Right	Max N	0.00	-0.00	-0.14	0.00	-1.30	-0.00	CO 1
				Min N	0.00	-0.00	-0.08	-0.00	-0.46	-0.00	CO 12
				Max V _y	0.01	-0.00	-0.08	-0.00	-0.47	-0.00	CO 13
				Min V _y	1.00	-0.00	-0.14	0.00	-1.30	-0.00	CO 6
				Max V _z	0.01	-0.00	-0.08	-0.00	-0.46	-0.00	CO 14
				Min V _z	1.00	-0.00	-0.14	0.00	-1.30	-0.00	CO 3
				Max M _T	1.00	-0.00	-0.14	0.00	-1.30	-0.00	CO 3
				Min M _T	0.00	-0.00	-0.08	-0.00	-0.46	-0.00	CO 12
				Max M _y	0.01	-0.00	-0.08	-0.00	-0.46	-0.00	CO 14
				Min M _y	1.00	-0.00	-0.14	0.00	-1.30	-0.00	CO 3
				Max M _z	0.01	-0.00	-0.08	-0.00	-0.47	-0.00	CO 13
				Min M _z	1.00	-0.00	-0.14	0.00	-1.30	-0.00	CO 6
		154	3.221 Left	Max N	0.24	-0.01	4.27	0.00	2.89	0.01	CO 1
				Min N	-0.77	-0.00	1.40	-0.00	0.88	0.00	CO 12
				Max V _y	-0.76	-0.00	1.40	-0.00	0.88	0.00	CO 13
				Min V _y	0.22	-0.01	4.27	0.00	2.89	0.01	CO 6
				Max V _z	0.23	-0.01	4.27	0.00	2.89	0.01	CO 8
				Min V _z	-0.77	-0.00	1.40	-0.00	0.88	0.00	CO 9
				Max M _T	0.23	-0.01	4.27	0.00	2.89	0.01	CO 3
				Min M _T	-0.77	-0.00	1.40	-0.00	0.88	0.00	CO 12
				Max M _y	0.23	-0.01	4.27	0.00	2.89	0.01	CO 8
				Min M _y	-0.77	-0.00	1.40	-0.00	0.88	0.00	CO 9
				Max M _z	0.22	-0.01	4.27	0.00	2.89	0.01	CO 6
				Min M _z	-0.76	-0.00	1.40	-0.00	0.88	0.00	CO 13
			3.221 Right	Max N	0.24	-0.01	4.27	0.00	2.89	0.01	CO 1
				Min N	-0.77	-0.00	1.40	-0.00	0.88	0.00	CO 12
				Max V _y	-0.76	-0.00	1.40	-0.00	0.88	0.00	CO 13
				Min V _y	0.22	-0.01	4.27	0.00	2.89	0.01	CO 6
				Max V _z	0.23	-0.01	4.27	0.00	2.89	0.01	CO 8
				Min V _z	-0.77	-0.00	1.40	-0.00	0.88	0.00	CO 9
				Max M _T	0.23	-0.01	4.27	0.00	2.89	0.01	CO 3
				Min M _T	-0.77	-0.00	1.40	-0.00	0.88	0.00	CO 12
				Max M _y	0.23	-0.01	4.27	0.00	2.89	0.01	CO 8
				Min M _y	-0.77	-0.00	1.40	-0.00	0.88	0.00	CO 9
				Max M _z	0.22	-0.01	4.27	0.00	2.89	0.01	CO 6
				Min M _z	-0.76	-0.00	1.40	-0.00	0.88	0.00	CO 13
	RC2	153	0.000 Left	Max N	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 15
				Min N	0.30	-0.00	-0.62	-0.00	0.09	-0.00	CO 26
				Max V _y	0.31	-0.00	-0.62	-0.00	0.09	-0.00	CO 27
				Min V _y	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 20
				Max V _z	0.30	-0.00	-0.62	-0.00	0.09	-0.00	CO 28
				Min V _z	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 19
				Max M _T	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 15
				Min M _T	0.30	-0.00	-0.62	-0.00	0.09	-0.00	CO 26
				Max M _y	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 18
				Min M _y	0.31	-0.00	-0.62	-0.00	0.09	-0.00	CO 27
				Max M _z	0.31	-0.00	-0.62	-0.00	0.09	-0.00	CO 27
				Min M _z	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 20
			0.000 Right	Max N	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 15
				Min N	0.30	-0.00	-0.62	-0.00	0.09	-0.00	CO 26
				Max V _y	0.31	-0.00	-0.62	-0.00	0.09	-0.00	CO 27
				Min V _y	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 20
				Max V _z	0.30	-0.00	-0.62	-0.00	0.09	-0.00	CO 28
				Min V _z	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 19
				Max M _T	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 15
				Min M _T	0.30	-0.00	-0.62	-0.00	0.09	-0.00	CO 26
				Max M _y	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 18
				Min M _y	0.31	-0.00	-0.62	-0.00	0.09	-0.00	CO 27
				Max M _z	0.31	-0.00	-0.62	-0.00	0.09	-0.00	CO 27
				Min M _z	1.04	-0.00	-1.56	0.00	0.12	-0.01	CO 20
			0.105 Left	Max N	1.02	-0.00	-1.48	0.00	-0.04	-0.01	CO 15
				Min N	0.27	-0.00	-0.57	-0.00	0.02	-0.00	CO 26
				Max V _y	0.28	-0.00	-0.57	-0.00	0.02	-0.00	CO 27
				Min V _y	1.01	-0.00	-1.48	0.00	-0.04	-0.01	CO 20
				Max V _z	0.28	-0.00	-0.57	-0.00	0.02	-0.00	CO 28
				Min V _z	1.01	-0.00	-1.48	0.00	-0.04	-0.01	CO 19
				Max M _T	1.02	-0.00	-1.48	0.00	-0.04	-0.01	CO 15
				Min M _T	0.27	-0.00	-0.57	-0.00	0.02	-0.00	CO 26
				Max M _y	0.27	-0.00	-0.57	-0.00	0.02	-0.00	CO 24
				Min M _y	1.02	-0.00	-1.48	0.00	-0.04	-0.01	CO 21
				Max M _z	0.28	-0.00	-0.57	-0.00	0.02	-0.00	CO 27
				Min M _z	1.01	-0.00	-1.48	0.00	-0.04	-0.01	CO 20
			0.105 Right	Max N	1.02	-0.00	-1.48	0.00	-0.04	-0.01	CO 15
				Min N	0.27	-0.00	-0.57	-0.00	0.02	-0.00	CO 26
				Max V _y	0.28	-0.00	-0.57	-0.00	0.02	-0.00	CO 27
				Min V _y	1.01	-0.00	-1.48	0.00	-0.04	-0.01	CO 20
				Max V _z	0.28	-0.00	-0.57	-0.00	0.02	-0.00	CO 28
				Min V _z	1.01	-0.00	-1.48	0.00	-0.04	-0.01	CO 19
				Max M _T	1.02	-0.00	-1.48	0.00	-0.04	-0.01	CO 15
				Min M _T	0.27	-0.00	-0.57	-0.00	0.02	-0.00	CO 26
				Max M _y	0.27	-0.00	-0.57	-0.00	0.02	-0.00	CO 24



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding					
					N	V _y	V _z	M _T	M _y	M _z	Load Cases					
235	RC2		1.179 Left	Min M _y	1.02	-0.00	-1.48	0.00	▷	-0.04	-0.01	CO 21				
				Max M _z	0.28	-0.00	-0.57	-0.00	0.02	▷	-0.00	CO 27				
				Min M _z	1.01	-0.00	-1.48	0.00	-0.04	▷	-0.01	CO 20				
				Max N	0.74	-0.00	-0.10	0.00	-0.94	▷	-0.00	CO 15				
				Min N	-0.00	-0.00	-0.05	-0.00	-0.31	▷	-0.00	CO 26				
				Max V _y	0.00	-0.00	-0.05	-0.00	-0.31	▷	-0.00	CO 27				
				Min V _y	0.73	-0.00	-0.10	0.00	-0.94	▷	-0.00	CO 20				
				Max V _z	-0.00	-0.00	-0.05	-0.00	-0.31	▷	-0.00	CO 26				
				Min V _z	0.73	-0.00	-0.10	0.00	-0.94	▷	-0.00	CO 17				
				Max M _T	0.74	-0.00	-0.10	▷	-0.94	▷	-0.00	CO 15				
				Min M _T	-0.00	-0.00	-0.05	▷	-0.31	▷	-0.00	CO 26				
				Max M _y	0.00	-0.00	-0.05	▷	-0.31	▷	-0.00	CO 28				
				Min M _y	0.73	-0.00	-0.10	0.00	-0.94	▷	-0.00	CO 17				
				Max M _z	0.00	-0.00	-0.05	-0.00	-0.31	▷	-0.00	CO 27				
				Min M _z	0.73	-0.00	-0.10	0.00	-0.94	▷	-0.00	CO 20				
				1.179 Right	Max N	0.74	-0.00	-0.10	0.00	-0.94	▷	-0.00	CO 15			
					Min N	-0.00	-0.00	-0.05	-0.00	-0.31	▷	-0.00	CO 26			
					Max V _y	0.00	-0.00	-0.05	-0.00	-0.31	▷	-0.00	CO 27			
					Min V _y	0.73	-0.00	-0.10	0.00	-0.94	▷	-0.00	CO 20			
					Max V _z	-0.00	-0.00	-0.05	-0.00	-0.31	▷	-0.00	CO 26			
					Min V _z	0.73	-0.00	-0.10	0.00	-0.94	▷	-0.00	CO 17			
					Max M _T	0.74	-0.00	-0.10	▷	-0.94	▷	-0.00	CO 15			
					Min M _T	-0.00	-0.00	-0.05	-0.00	-0.31	▷	-0.00	CO 26			
					Max M _y	0.00	-0.00	-0.05	-0.00	-0.31	▷	-0.00	CO 28			
					Min M _y	0.73	-0.00	-0.10	0.00	-0.94	▷	-0.00	CO 17			
				3.221 Left	Max M _z	0.00	-0.00	-0.05	-0.00	-0.31	▷	-0.00	CO 27			
					Min M _z	0.73	-0.00	-0.10	0.00	-0.94	▷	-0.00	CO 20			
					Max N	0.22	-0.01	3.06	0.00	2.08	0.01	CO 15				
					Min N	-0.52	-0.00	0.94	-0.00	0.59	0.00	CO 26				
					Max V _y	-0.52	-0.00	0.94	-0.00	0.59	0.00	CO 27				
					Min V _y	0.21	-0.01	3.06	0.00	2.08	0.01	CO 20				
					Max V _z	0.22	-0.01	3.06	0.00	2.08	0.01	CO 22				
					Min V _z	-0.52	-0.00	0.94	-0.00	0.59	0.00	CO 23				
					Max M _T	0.22	-0.01	3.06	0.00	2.08	0.01	CO 15				
					Min M _T	-0.52	-0.00	0.94	-0.00	0.59	0.00	CO 26				
				3.221 Right	Max M _y	0.21	-0.01	3.06	0.00	2.08	0.01	CO 20				
					Min M _y	-0.52	-0.00	0.94	-0.00	0.59	0.00	CO 23				
					Max M _z	0.21	-0.01	3.06	0.00	2.08	0.01	CO 20				
					Min M _z	-0.52	-0.00	0.94	-0.00	0.59	▷	0.00	CO 27			
					Max N	0.22	-0.01	3.06	0.00	2.08	0.01	CO 15				
					Min N	-0.52	-0.00	0.94	-0.00	0.59	0.00	CO 26				
					Max V _y	-0.52	-0.00	0.94	-0.00	0.59	0.00	CO 27				
					Min V _y	0.21	-0.01	3.06	0.00	2.08	0.01	CO 20				
					Max V _z	0.22	-0.01	3.06	0.00	2.08	0.01	CO 22				
					Min V _z	-0.52	-0.00	0.94	-0.00	0.59	0.00	CO 23				
				RC6	153	0.000 Left		Max M _T	0.22	-0.01	3.06	▷	2.08	0.01	CO 15	
								Min M _T	-0.52	-0.00	0.94	▷	0.59	0.00	CO 26	
								Max M _y	0.21	-0.01	3.06	▷	2.08	0.01	CO 20	
								Min M _y	-0.52	-0.00	0.94	▷	0.59	0.00	CO 23	
								Max M _z	0.21	-0.01	3.06	0.00	2.08	▷	0.01	CO 20
								Min M _z	-0.52	-0.00	0.94	-0.00	0.59	▷	0.00	CO 27
								Max N	4.91	-0.02	-0.92	0.01	-0.08	-0.03	LC 1-4	
								Min N	-3.55	0.00	-1.09	-0.00	0.17	0.00	LC 1-5	
								Max V _y	-2.78	0.00	-1.08	-0.00	0.17	0.01	LC 1-4	
								Min V _y	4.15	-0.02	-0.92	0.01	-0.08	-0.03	LC 1-5	
							0.000 Right	Max V _z	3.64	-0.01	-0.90	0.01	-0.11	-0.03	LC 1-5	
								Min V _z	-2.28	-0.00	-1.10	-0.00	0.20	0.00	LC 1-4	
								Max M _T	3.80	-0.01	-0.90	▷	-0.11	-0.03	LC 1-4	
								Min M _T	-2.43	-0.00	-1.10	▷	-0.00	0.19	0.00	LC 1-5
								Max M _y	-2.27	0.00	-1.10	-0.00	0.20	0.00	LC 1-4	
								Min M _y	3.63	-0.01	-0.90	0.01	-0.11	-0.03	LC 1-5	
								Max M _z	-2.65	0.00	-1.09	-0.00	0.17	▷	0.01	LC 1-4
								Min M _z	4.02	-0.02	-0.92	0.01	-0.09	▷	-0.03	LC 1-5
								Max N	4.91	-0.02	-0.92	0.01	-0.08	-0.03	LC 1-4	
								Min N	-3.55	0.00	-1.09	-0.00	0.17	0.00	LC 1-5	
	0.105 Left	Max V _y	-2.78				0.00	-1.08	-0.00	0.17	0.01	LC 1-4				
		Min V _y	4.15				-0.02	-0.92	0.01	-0.08	-0.03	LC 1-5				
		Max V _z	3.64				-0.01	-0.90	0.01	-0.11	-0.03	LC 1-5				
		Min V _z	-2.28				-0.00	-1.10	-0.00	0.20	0.00	LC 1-4				
		Max M _T	3.80				-0.01	-0.90	▷	-0.11	-0.03	LC 1-4				
		Min M _T	-2.43				-0.00	-1.10	▷	-0.00	0.19	0.00	LC 1-5			
		Max M _y	-2.27				0.00	-1.10	-0.00	0.20	0.00	LC 1-4				
		Min M _y	3.63				-0.01	-0.90	▷	-0.11	-0.03	LC 1-5				
		Max M _z	-2.65				0.00	-1.09	-0.00	0.17	▷	0.01	LC 1-4			
		Min M _z	4.02	-0.02	-0.92	0.01	-0.09	▷	-0.03	LC 1-5						
		Max N	4.91	-0.02	-0.89	0.01	-0.18	-0.03	LC 1-4							
		Min N	-3.55	0.00	-1.05	-0.00	0.06	0.00	LC 1-5							
		Max V _y	-2.78	0.00	-1.05	-0.00	0.05	0.01	LC 1-4							
		Min V _y	4.15	-0.02	-0.89	0.01	-0.18	-0.03	LC 1-5							
		Max V _z	3.64	-0.01	-0.87	0.01	-0.20	-0.03	LC 1-5							
		0.105 Right	Min V _z	-2.28	-0.00	-1.07	-0.00	0.08	0.00	LC 1-4						
			Max M _T	3.79	-0.01	-0.87	▷	-0.20	-0.03	LC 1-4						
			Min M _T	-2.43	-0.00	-1.07	▷	-0.00	0.08	0.00	LC 1-5					
			Max M _y	-2.27	0.00	-1.07	-0.00	0.08	0.00	LC 1-4						
	Min M _y		3.63	-0.01	-0.87	▷	-0.21	-0.03	LC 1-5							
	Max M _z		-2.64	0.00	-1.05	-0.00	0.06	0.01	LC 1-4							
	Min M _z		4.01	-0.02	-0.89	0.01	-0.18	▷	-0.03	LC 1-5						
	Max N		4.91	-0.02	-0.89	0.01	-0.18	-0.03	LC 1-4							
	Min N		-3.55	0.00	-1.05	-0.00	0.06	0.00	LC 1-5							
	Max V _y		-2.78	0.00	-1.05	-0.00	0.05	0.01	LC 1-4							



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases		
					N	V _y	V _z	M _T	M _y	M _z			
235	RC6			Min V _z	-2.28	-0.00	▷	-1.07	-0.00	0.08	0.00	LC 1-4	
				Max M _T	3.79	-0.01	▷	-0.87	▷	-0.20	-0.03	LC 1-4	
				Min M _T	-2.43	-0.00	▷	-1.07	▷	-0.00	0.00	LC 1-5	
				Max M _y	-2.27	0.00	▷	-1.07	-0.00	0.08	0.00	LC 1-4	
				Min M _y	3.63	-0.01	▷	-0.87	0.01	-0.21	-0.03	LC 1-5	
				Max M _z	-2.64	0.00	▷	-1.05	-0.00	0.06	0.01	LC 1-4	
				Min M _z	4.01	-0.02	▷	-0.89	0.01	-0.18	-0.03	LC 1-5	
				1.179 Left	Max N	4.89	-0.02	▷	0.02	0.01	-0.69	-0.01	LC 1-4
					Min N	-3.57	0.00	▷	-0.15	-0.00	-0.64	0.00	LC 1-5
					Max V _y	-2.80	0.00	▷	-0.15	-0.00	-0.63	0.00	LC 1-4
					Min V _y	4.13	-0.02	▷	0.02	0.01	-0.69	-0.01	LC 1-5
					Max V _z	3.62	-0.01	▷	0.04	0.01	-0.70	-0.01	LC 1-5
					Min V _z	-2.30	-0.00	▷	-0.16	-0.00	-0.63	0.00	LC 1-4
					Max M _T	3.78	-0.01	▷	0.03	0.01	-0.70	-0.01	LC 1-4
					Min M _T	-2.45	-0.00	▷	-0.16	-0.00	-0.63	0.00	LC 1-5
					Max M _y	-2.08	0.00	▷	-0.16	-0.00	-0.63	0.00	LC 1-5
					Min M _y	3.41	-0.01	▷	0.03	0.01	-0.70	-0.01	LC 1-4
					Max M _z	-2.38	0.00	▷	-0.15	-0.00	-0.63	0.00	LC 1-4
					Min M _z	3.71	-0.02	▷	0.02	0.01	-0.70	-0.01	LC 1-5
				1.179 Right	Max N	4.89	-0.02	▷	0.02	0.01	-0.69	-0.01	LC 1-4
					Min N	-3.57	0.00	▷	-0.15	-0.00	-0.64	0.00	LC 1-5
					Max V _y	-2.80	0.00	▷	-0.15	-0.00	-0.63	0.00	LC 1-4
					Min V _y	4.13	-0.02	▷	0.02	0.01	-0.69	-0.01	LC 1-5
					Max V _z	3.62	-0.01	▷	0.04	0.01	-0.70	-0.01	LC 1-5
					Min V _z	-2.30	-0.00	▷	-0.16	-0.00	-0.63	0.00	LC 1-4
					Max M _T	3.78	-0.01	▷	0.03	0.01	-0.70	-0.01	LC 1-4
					Min M _T	-2.45	-0.00	▷	-0.16	-0.00	-0.63	0.00	LC 1-5
					Max M _y	-2.08	0.00	▷	-0.16	-0.00	-0.63	0.00	LC 1-5
					Min M _y	3.41	-0.01	▷	0.03	0.01	-0.70	-0.01	LC 1-4
					Max M _z	-2.38	0.00	▷	-0.15	-0.00	-0.63	0.00	LC 1-4
					Min M _z	3.71	-0.02	▷	0.02	0.01	-0.70	-0.01	LC 1-5
				3.221 Left	Max N	4.86	-0.02	▷	2.25	0.01	1.62	0.02	LC 1-4
					Min N	-3.60	0.00	▷	2.09	-0.00	1.34	-0.00	LC 1-5
					Max V _y	-2.83	0.00	▷	2.09	-0.00	1.34	-0.00	LC 1-4
					Min V _y	4.09	-0.02	▷	2.25	0.01	1.62	0.02	LC 1-5
					Max V _z	3.59	-0.01	▷	2.27	0.01	1.65	0.02	LC 1-5
					Min V _z	-2.33	-0.00	▷	2.07	-0.00	1.31	0.00	LC 1-4
					Max M _T	3.74	-0.01	▷	2.27	0.01	1.65	0.02	LC 1-4
					Min M _T	-2.48	-0.00	▷	2.07	-0.00	1.31	0.00	LC 1-5
					Max M _y	3.58	-0.01	▷	2.27	0.01	1.65	0.02	LC 1-5
					Min M _y	-2.32	-0.00	▷	2.07	-0.00	1.31	0.00	LC 1-4
					Max M _z	4.23	-0.02	▷	2.25	0.01	1.61	0.02	LC 1-5
					Min M _z	-2.97	0.00	▷	2.09	-0.00	1.35	-0.00	LC 1-4
		154		3.221 Right	Max N	4.86	-0.02	▷	2.25	0.01	1.62	0.02	LC 1-4
					Min N	-3.60	0.00	▷	2.09	-0.00	1.34	-0.00	LC 1-5
					Max V _y	-2.83	0.00	▷	2.09	-0.00	1.34	-0.00	LC 1-4
					Min V _y	4.09	-0.02	▷	2.25	0.01	1.62	0.02	LC 1-5
					Max V _z	3.59	-0.01	▷	2.27	0.01	1.65	0.02	LC 1-5
					Min V _z	-2.33	-0.00	▷	2.07	-0.00	1.31	0.00	LC 1-4
					Max M _T	3.74	-0.01	▷	2.27	0.01	1.65	0.02	LC 1-4
					Min M _T	-2.48	-0.00	▷	2.07	-0.00	1.31	0.00	LC 1-5
					Max M _y	3.58	-0.01	▷	2.27	0.01	1.65	0.02	LC 1-5
					Min M _y	-2.32	-0.00	▷	2.07	-0.00	1.31	0.00	LC 1-4
					Max M _z	4.23	-0.02	▷	2.25	0.01	1.61	0.02	LC 1-5
					Min M _z	-2.97	0.00	▷	2.09	-0.00	1.35	-0.00	LC 1-4
239	RC1	156	0.000		Max N	-3.15	-0.00	▷	0.09	0.00	0.00	-0.00	CO 10
					Min N	-12.00	-0.00	▷	0.11	0.00	0.00	-0.00	CO 7
					Max V _y	-3.16	-0.00	▷	0.09	0.00	0.00	-0.00	CO 9
					Min V _y	-12.00	-0.00	▷	0.11	0.00	0.00	-0.00	CO 7
					Max V _z	-12.00	-0.00	▷	0.11	0.00	0.00	-0.00	CO 7
					Min V _z	-3.15	-0.00	▷	0.09	0.00	0.00	-0.00	CO 10
					Max M _T	-11.99	-0.00	▷	0.11	0.00	0.00	-0.00	CO 5
					Min M _T	-3.16	-0.00	▷	0.09	0.00	0.00	-0.00	CO 14
					Max M _y	-12.00	-0.00	▷	0.11	0.00	0.00	-0.00	CO 1
					Min M _y	-12.00	-0.00	▷	0.11	0.00	0.00	-0.00	CO 1
					Max M _z	-12.00	-0.00	▷	0.11	0.00	0.00	-0.00	CO 1
					Min M _z	-3.16	-0.00	▷	0.09	0.00	0.00	-0.00	CO 9
		157		3.755	Max N	-3.15	0.00	▷	-0.09	0.00	0.00	0.00	CO 10
					Min N	-12.00	0.00	▷	-0.11	0.00	0.00	0.00	CO 7
					Max V _y	-11.99	0.00	▷	-0.11	0.00	0.00	0.00	CO 6
					Min V _y	-3.16	0.00	▷	-0.09	0.00	0.00	0.00	CO 9
					Max V _z	-3.15	0.00	▷	-0.09	0.00	0.00	0.00	CO 10
					Min V _z	-12.00	0.00	▷	-0.11	0.00	0.00	0.00	CO 7
					Max M _T	-11.99	0.00	▷	-0.11	0.00	0.00	0.00	CO 5
					Min M _T	-3.16	0.00	▷	-0.09	0.00	0.00	0.00	CO 14
					Max M _y	-12.00	0.00	▷	-0.11	0.00	0.00	0.00	CO 1
					Min M _y	-12.00	0.00	▷	-0.11	0.00	0.00	0.00	CO 1
					Max M _z	-11.99	0.00	▷	-0.11	0.00	0.00	0.00	CO 3
					Min M _z	-3.16	0.00	▷	-0.09	0.00	0.00	0.00	CO 9
	RC2	156	0.000		Max N	-2.13	-0.00	▷	0.07	0.00	0.00	-0.00	CO 24
					Min N	-8.68	-0.00	▷	0.07	0.00	0.00	-0.00	CO 21
					Max V _y	-2.13	-0.00	▷	0.07	0.00	0.00	-0.00	CO 23
					Min V _y	-8.67	-0.00	▷	0.07	0.00	0.00	-0.00	CO 20
					Max V _z	-8.67	-0.00	▷	0.07	0.00	0.00	-0.00	CO 17
					Min V _z	-2.13	-0.00	▷	0.07	0.00	0.00	-0.00	CO 24
					Max M _T	-8.67	-0.00	▷	0.07	0.00	0.00	-0.00	CO 19
					Min M _T	-2.13	-0.00	▷	0.07	0.00	0.00	-0.00	CO 28
					Max M _y	-8.67	-0.00	▷	0.07	0.00	0.00	-0.00	CO 15
					Min M _y	-8.67	-0.00	▷	0.07	0.00	0.00	-0.00	CO 15
					Max M _z	-8.67	-0.00	▷	0.07	0.00	0.00	-0.00	CO 15
					Min M _z	-2.13	-0.00	▷	0.07	0.00	0.00	-0.00	CO 23
		157	3.755	Max N	-2.13	0.00	▷	-0.07	0.00	0.00	0.00	CO 24	



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z	
239	RC2			Min N	▷ -8.68	0.00	-0.07	0.00	0.00	CO 21
				Max V _y	▷ -8.67	0.00	-0.07	0.00	0.00	CO 22
				Min V _y	▷ -2.13	0.00	-0.07	0.00	0.00	CO 23
				Max V _z	▷ -2.13	0.00	▷ -0.07	0.00	0.00	CO 24
				Min V _z	▷ -8.68	0.00	▷ -0.07	0.00	0.00	CO 21
				Max M _T	▷ -8.67	0.00	▷ -0.07	▷ 0.00	0.00	CO 19
				Min M _T	▷ -2.13	0.00	▷ -0.07	▷ 0.00	0.00	CO 28
				Max M _y	▷ -8.67	0.00	-0.07	▷ 0.00	▷ 0.00	CO 15
				Min M _y	▷ -8.67	0.00	-0.07	▷ 0.00	▷ 0.00	CO 15
				Max M _z	▷ -8.67	0.00	-0.07	▷ 0.00	▷ 0.00	CO 15
				Min M _z	▷ -2.13	0.00	-0.07	▷ 0.00	▷ 0.00	CO 23
	RC6	156	0.000	Max N	▷ -6.81	0.00	0.07	0.00	0.00	LC 1-4
				Min N	▷ -6.87	0.00	0.07	0.00	0.00	LC 1-5
				Max V _y	▷ -6.84	▷ 0.00	0.07	0.00	0.00	LC 1-4
				Min V _y	▷ -6.84	▷ 0.00	0.07	0.00	0.00	LC 1-4
				Max V _z	▷ -6.84	0.00	▷ 0.07	0.00	0.00	LC 1-4
				Min V _z	▷ -6.84	0.00	▷ 0.07	0.00	0.00	LC 1-4
				Max M _T	▷ -6.84	0.00	▷ -0.07	▷ 0.00	0.00	LC 1-5
				Min M _T	▷ -6.84	0.00	▷ 0.07	▷ -0.00	0.00	LC 1-4
				Max M _y	▷ -6.84	0.00	0.07	▷ 0.00	0.00	LC 1-4
				Min M _y	▷ -6.84	0.00	0.07	▷ 0.00	0.00	LC 1-4
				Max M _z	▷ -6.84	0.00	0.07	▷ 0.00	▷ 0.00	LC 1-4
				Min M _z	▷ -6.84	0.00	0.07	▷ 0.00	▷ 0.00	LC 1-4
		157	3.755	Max N	▷ -6.81	0.00	-0.07	0.00	0.00	LC 1-4
				Min N	▷ -6.87	0.00	-0.07	0.00	0.00	LC 1-5
				Max V _y	▷ -6.84	▷ 0.00	-0.07	0.00	0.00	LC 1-4
				Min V _y	▷ -6.84	▷ 0.00	-0.07	0.00	0.00	LC 1-4
				Max V _z	▷ -6.84	0.00	▷ -0.07	0.00	0.00	LC 1-4
				Min V _z	▷ -6.84	0.00	▷ -0.07	0.00	0.00	LC 1-4
				Max M _T	▷ -6.84	0.00	▷ -0.07	▷ 0.00	0.00	LC 1-5
				Min M _T	▷ -6.84	0.00	▷ -0.07	▷ -0.00	0.00	LC 1-4
				Max M _y	▷ -6.84	0.00	-0.07	▷ 0.00	0.00	LC 1-4
				Min M _y	▷ -6.84	0.00	-0.07	▷ 0.00	0.00	LC 1-4
				Max M _z	▷ -6.84	0.00	-0.07	▷ 0.00	▷ 0.00	LC 1-4
				Min M _z	▷ -6.84	0.00	-0.07	▷ 0.00	▷ 0.00	LC 1-4
240	RC1	156	0.000 Left	Max N	▷ -1.33	-0.01	-0.68	-0.00	0.26	CO 14
				Min N	▷ -4.28	-0.01	-2.76	-0.00	0.88	CO 3
				Max V _y	▷ -1.33	-0.01	-0.68	-0.00	0.26	CO 12
				Min V _y	▷ -4.28	-0.01	-2.76	-0.00	0.88	CO 1
				Max V _z	▷ -1.34	-0.01	▷ -0.68	-0.00	0.26	CO 10
				Min V _z	▷ -4.27	-0.01	▷ -2.76	-0.00	0.88	CO 7
				Max M _T	▷ -1.34	-0.01	▷ -0.68	▷ -0.00	0.26	CO 9
				Min M _T	▷ -4.27	-0.01	▷ -2.76	▷ -0.00	0.88	CO 7
				Max M _y	▷ -4.27	-0.01	-2.76	▷ -0.00	0.88	CO 7
				Min M _y	▷ -1.34	-0.01	-0.68	▷ -0.00	0.26	CO 10
				Max M _z	▷ -4.28	-0.01	-2.76	▷ -0.00	0.88	CO 2
				Min M _z	▷ -1.34	-0.01	-0.68	▷ -0.00	0.26	CO 10
			0.000 Right	Max N	▷ -1.33	-0.01	-0.68	-0.00	0.26	CO 14
				Min N	▷ -4.28	-0.01	-2.76	-0.00	0.88	CO 3
				Max V _y	▷ -1.33	-0.01	-0.68	-0.00	0.26	CO 12
				Min V _y	▷ -4.28	-0.01	-2.76	-0.00	0.88	CO 1
				Max V _z	▷ -1.34	-0.01	▷ -0.68	-0.00	0.26	CO 10
				Min V _z	▷ -4.27	-0.01	▷ -2.76	-0.00	0.88	CO 7
				Max M _T	▷ -1.34	-0.01	▷ -0.68	▷ -0.00	0.26	CO 9
				Min M _T	▷ -4.27	-0.01	▷ -2.76	▷ -0.00	0.88	CO 7
				Max M _y	▷ -4.27	-0.01	-2.76	▷ -0.00	0.88	CO 7
				Min M _y	▷ -1.34	-0.01	-0.68	▷ -0.00	0.26	CO 10
				Max M _z	▷ -4.28	-0.01	-2.76	▷ -0.00	0.88	CO 2
				Min M _z	▷ -1.34	-0.01	-0.68	▷ -0.00	0.26	CO 10
			1.644 Left	Max N	▷ -0.77	-0.01	0.38	0.00	0.01	CO 14
				Min N	▷ -3.72	-0.01	1.65	0.00	-0.03	CO 3
				Max V _y	▷ -0.78	▷ -0.01	0.38	0.00	0.01	CO 12
				Min V _y	▷ -3.71	▷ -0.01	1.65	0.00	-0.03	CO 7
				Max V _z	▷ -3.72	-0.01	▷ 1.65	0.00	-0.03	CO 4
				Min V _z	▷ -0.77	-0.01	▷ 0.38	0.00	0.01	CO 13
				Max M _T	▷ -3.72	-0.01	▷ 1.65	▷ 0.00	-0.03	CO 4
				Min M _T	▷ -0.77	-0.01	▷ 0.38	▷ 0.00	0.01	CO 14
				Max M _y	▷ -0.77	-0.01	0.38	▷ 0.00	0.01	CO 14
				Min M _y	▷ -3.72	-0.01	1.65	▷ 0.00	-0.03	CO 3
				Max M _z	▷ -3.72	-0.01	1.65	▷ -0.03	▷ 0.01	CO 1
				Min M _z	▷ -0.78	-0.01	0.38	0.00	0.01	CO 12
			1.644 Right	Max N	▷ -0.77	-0.01	0.38	0.00	0.01	CO 14
				Min N	▷ -3.72	-0.01	1.65	0.00	-0.03	CO 3
				Max V _y	▷ -0.78	▷ -0.01	0.38	0.00	0.01	CO 12
				Min V _y	▷ -3.71	▷ -0.01	1.65	0.00	-0.03	CO 7
				Max V _z	▷ -3.72	-0.01	▷ 1.65	0.00	-0.03	CO 4
				Min V _z	▷ -0.77	-0.01	▷ 0.38	0.00	0.01	CO 13
				Max M _T	▷ -3.72	-0.01	▷ 1.65	▷ 0.00	-0.03	CO 4
				Min M _T	▷ -0.77	-0.01	▷ 0.38	▷ 0.00	0.01	CO 14
				Max M _y	▷ -0.77	-0.01	0.38	▷ 0.00	0.01	CO 14
				Min M _y	▷ -3.72	-0.01	1.65	▷ 0.00	-0.03	CO 3
				Max M _z	▷ -3.72	-0.01	1.65	▷ -0.03	▷ 0.01	CO 1
				Min M _z	▷ -0.78	-0.01	0.38	0.00	0.01	CO 12
			2.147 Left	Max N	▷ -0.60	-0.01	0.70	0.00	0.28	CO 14
				Min N	▷ -3.55	-0.01	2.47	0.00	1.05	CO 3
				Max V _y	▷ -0.61	▷ -0.01	0.70	0.00	0.28	CO 12
				Min V _y	▷ -3.54	▷ -0.01	2.47	0.00	1.05	CO 7
				Max V _z	▷ -3.55	-0.01	▷ 2.47	0.00	1.05	CO 4
				Min V _z	▷ -0.60	-0.01	▷ 0.70	0.00	0.28	CO 13
				Max M _T	▷ -3.55	-0.01	▷ 2.47	▷ 0.00	1.05	CO 3
				Min M _T	▷ -0.60	-0.01	▷ 0.70	▷ 0.00	0.28	CO 14
				Max M _y	▷ -3.55	-0.01	2.47	▷ 0.00	1.05	CO 4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
240	RC1	120	2.147 Right	Min M _y	-0.60	-0.01	0.70	0.00	0.28	0.01	CO 13
				Max M _z	-3.55	-0.01	2.47	0.00	1.05	0.02	CO 1
				Min M _z	-0.61	-0.01	0.70	0.00	0.28	0.01	CO 12
				Max N	-0.60	-0.01	0.70	0.00	0.28	0.01	CO 14
				Min N	-3.55	-0.01	2.47	0.00	1.05	0.02	CO 3
				Max V _y	-0.61	-0.01	0.70	0.00	0.28	0.01	CO 12
				Min V _y	-3.54	-0.01	2.47	0.00	1.05	0.02	CO 7
				Max V _z	-3.55	-0.01	2.47	0.00	1.05	0.02	CO 4
				Min V _z	-0.60	-0.01	0.70	0.00	0.28	0.01	CO 13
				Max M _T	-3.55	-0.01	2.47	0.00	1.05	0.02	CO 3
				Min M _T	-0.60	-0.01	0.70	0.00	0.28	0.01	CO 14
				Max M _y	-3.55	-0.01	2.47	0.00	1.05	0.02	CO 4
				Min M _y	-0.60	-0.01	0.70	0.00	0.28	0.01	CO 13
				Max M _z	-3.55	-0.01	2.47	0.00	1.05	0.02	CO 1
				Min M _z	-0.61	-0.01	0.70	0.00	0.28	0.01	CO 12
		156	0.000 Left	Max N	-0.86	-0.00	-0.46	0.00	0.17	0.00	CO 28
				Min N	-3.05	-0.00	-1.99	-0.00	0.63	0.00	CO 17
				Max V _y	-0.87	-0.00	-0.46	0.00	0.17	0.00	CO 26
				Min V _y	-3.05	-0.00	-2.00	-0.00	0.63	0.00	CO 15
				Max V _z	-0.87	-0.00	-0.46	0.00	0.17	0.00	CO 24
				Min V _z	-3.04	-0.00	-2.00	-0.00	0.63	0.00	CO 21
				Max M _T	-0.87	-0.00	-0.46	0.00	0.17	0.00	CO 23
				Min M _T	-3.04	-0.00	-2.00	-0.00	0.63	0.00	CO 22
				Max M _y	-3.04	-0.00	-2.00	-0.00	0.63	0.00	CO 21
				Min M _y	-0.87	-0.00	-0.46	0.00	0.17	0.00	CO 24
				Max M _z	-3.05	-0.00	-2.00	-0.00	0.63	0.00	CO 15
				Min M _z	-0.87	-0.00	-0.46	0.00	0.17	0.00	CO 24
			0.000 Right	Max N	-0.86	-0.00	-0.46	0.00	0.17	0.00	CO 28
				Min N	-3.05	-0.00	-1.99	-0.00	0.63	0.00	CO 17
				Max V _y	-0.87	-0.00	-0.46	0.00	0.17	0.00	CO 26
				Min V _y	-3.05	-0.00	-1.99	-0.00	0.63	0.00	CO 15
				Max V _z	-0.87	-0.00	-0.46	0.00	0.17	0.00	CO 24
				Min V _z	-3.04	-0.00	-2.00	-0.00	0.63	0.00	CO 21
				Max M _T	-0.87	-0.00	-0.46	0.00	0.17	0.00	CO 23
				Min M _T	-3.04	-0.00	-2.00	-0.00	0.63	0.00	CO 22
				Max M _y	-3.04	-0.00	-2.00	-0.00	0.63	0.00	CO 21
				Min M _y	-0.87	-0.00	-0.46	0.00	0.17	0.00	CO 24
				Max M _z	-3.05	-0.00	-1.99	-0.00	0.63	0.00	CO 15
				Min M _z	-0.87	-0.00	-0.46	0.00	0.17	0.00	CO 24
			1.644 Left	Max N	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 28
				Min N	-2.68	-0.01	1.20	0.00	-0.02	0.01	CO 17
				Max V _y	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 26
				Min V _y	-2.67	-0.01	1.20	0.00	-0.02	0.01	CO 21
				Max V _z	-2.67	-0.01	1.20	0.00	-0.02	0.01	CO 18
				Min V _z	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 27
				Max M _T	-2.68	-0.01	1.20	0.00	-0.02	0.01	CO 17
				Min M _T	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 28
				Max M _y	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 28
				Min M _y	-2.68	-0.01	1.20	0.00	-0.02	0.01	CO 17
				Max M _z	-2.67	-0.01	1.20	0.00	-0.02	0.01	CO 15
				Min M _z	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 26
			1.644 Right	Max N	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 28
				Min N	-2.68	-0.01	1.20	0.00	-0.02	0.01	CO 17
				Max V _y	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 26
				Min V _y	-2.67	-0.01	1.20	0.00	-0.02	0.01	CO 21
				Max V _z	-2.67	-0.01	1.20	0.00	-0.02	0.01	CO 18
				Min V _z	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 27
				Max M _T	-2.68	-0.01	1.20	0.00	-0.02	0.01	CO 17
				Min M _T	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 28
				Max M _y	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 28
				Min M _y	-2.68	-0.01	1.20	0.00	-0.02	0.01	CO 17
				Max M _z	-2.67	-0.01	1.20	0.00	-0.02	0.01	CO 15
				Min M _z	-0.49	-0.00	0.25	0.00	0.00	0.01	CO 26
			2.147 Left	Max N	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 28
				Min N	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 17
				Max V _y	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 26
				Min V _y	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 21
				Max V _z	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 18
				Min V _z	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 27
				Max M _T	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 17
				Min M _T	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 28
				Max M _y	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 18
				Min M _y	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 27
				Max M _z	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 15
				Min M _z	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 26
		120	2.147 Right	Max N	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 28
				Min N	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 17
				Max V _y	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 26
				Min V _y	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 21
				Max V _z	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 18
				Min V _z	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 27
				Max M _T	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 17
				Min M _T	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 28
				Max M _y	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 18
				Min M _y	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 27
				Max M _z	-2.56	-0.01	1.78	0.00	0.76	0.01	CO 15
				Min M _z	-0.38	-0.00	0.47	0.00	0.19	0.01	CO 26
	RC6	156	0.000 Left	Max N	-0.57	0.48	-1.44	0.00	0.21	0.54	LC 1-5
				Min N	-3.05	-0.50	-1.70	-0.00	0.74	-0.53	LC 1-4
				Max V _y	-1.33	0.77	-1.58	0.00	0.49	0.85	LC 1-5
				Min V _y	-2.29	-0.79	-1.56	-0.00	0.46	-0.84	LC 1-4
				Max V _z	-0.88	0.00	-1.22	0.00	-0.23	0.01	LC 1-4

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases		
				N	V _y	V _z	M _T	M _y	M _z					
240	RC6			Min V _z	-2.75	-0.02	▷	-1.92	0.00	1.18	-0.01	LC 1-5		
				Max M _T	-1.47	0.30	▷	-1.57	▷	0.00	0.48	0.34	LC 1-4	
				Min M _T	-2.15	-0.31	▷	-1.57	▷	-0.00	0.47	-0.34	LC 1-5	
				Max M _y	-2.74	-0.02	▷	-1.92	▷	0.00	1.18	-0.01	LC 1-5	
				Min M _y	-0.88	0.00	▷	-1.22	▷	0.00	-0.23	0.01	LC 1-4	
				Max M _z	-1.35	0.77	▷	-1.58	▷	0.00	0.49	0.85	LC 1-4	
				Min M _z	-2.28	-0.79	▷	-1.56	▷	-0.00	0.46	-0.84	LC 1-5	
				0.000 Right	Max N	-0.57	0.48	▷	-1.44	0.00	0.21	0.54	LC 1-5	
					Min N	-3.05	-0.50	▷	-1.70	-0.00	0.74	-0.53	LC 1-4	
					Max V _y	-1.33	0.77	▷	-1.58	0.00	0.49	0.85	LC 1-5	
					Min V _y	-2.29	-0.79	▷	-1.56	-0.00	0.46	-0.84	LC 1-4	
					Max V _z	-0.88	0.00	▷	-1.22	0.00	-0.23	0.01	LC 1-4	
					Min V _z	-2.75	-0.02	▷	-1.92	0.00	1.18	-0.01	LC 1-5	
					Max M _T	-1.47	0.30	▷	-1.57	0.00	0.48	0.34	LC 1-4	
					Min M _T	-2.15	-0.31	▷	-1.57	-0.00	0.47	-0.34	LC 1-5	
					Max M _y	-2.74	-0.02	▷	-1.92	0.00	1.18	-0.01	LC 1-5	
					Min M _y	-0.88	0.00	▷	-1.22	0.00	-0.23	0.01	LC 1-4	
					Max M _z	-1.35	0.77	▷	-1.58	0.00	0.49	0.85	LC 1-4	
					Min M _z	-2.28	-0.79	▷	-1.56	-0.00	0.46	-0.84	LC 1-5	
				1.644 Left	Max N	-0.54	0.48	▷	1.08	0.00	-0.08	-0.26	LC 1-5	
					Min N	-3.03	-0.50	▷	0.83	-0.00	0.02	0.28	LC 1-4	
					Max V _y	-1.30	0.77	▷	0.95	0.00	-0.02	-0.42	LC 1-5	
					Min V _y	-2.27	-0.79	▷	0.96	-0.00	-0.03	0.45	LC 1-4	
					Max V _z	-0.85	0.00	▷	1.30	0.00	-0.16	0.01	LC 1-4	
					Min V _z	-2.72	-0.02	▷	0.61	0.00	0.11	0.02	LC 1-5	
					Max M _T	-1.44	0.30	▷	0.95	0.00	-0.03	-0.15	LC 1-4	
					Min M _T	-2.13	-0.31	▷	0.96	-0.00	-0.03	0.17	LC 1-5	
					Max M _y	-2.70	-0.01	▷	0.61	0.00	0.11	0.02	LC 1-5	
					Min M _y	-0.87	0.00	▷	1.30	0.00	-0.16	0.01	LC 1-4	
					Max M _z	-2.26	-0.79	▷	0.96	-0.00	-0.03	0.45	LC 1-4	
					Min M _z	-1.31	0.77	▷	0.95	0.00	-0.03	-0.42	LC 1-5	
				1.644 Right	Max N	-0.54	0.48	▷	1.08	0.00	-0.08	-0.26	LC 1-5	
					Min N	-3.03	-0.50	▷	0.83	-0.00	0.02	0.28	LC 1-4	
					Max V _y	-1.30	0.77	▷	0.95	0.00	-0.02	-0.42	LC 1-5	
					Min V _y	-2.27	-0.79	▷	0.96	-0.00	-0.03	0.45	LC 1-4	
					Max V _z	-0.85	0.00	▷	1.30	0.00	-0.16	0.01	LC 1-4	
					Min V _z	-2.72	-0.02	▷	0.61	0.00	0.11	0.02	LC 1-5	
					Max M _T	-1.44	0.30	▷	0.95	0.00	-0.03	-0.15	LC 1-4	
					Min M _T	-2.13	-0.31	▷	0.96	-0.00	-0.03	0.17	LC 1-5	
					Max M _y	-2.70	-0.01	▷	0.61	0.00	0.11	0.02	LC 1-5	
					Min M _y	-0.87	0.00	▷	1.30	0.00	-0.16	0.01	LC 1-4	
					Max M _z	-2.26	-0.79	▷	0.96	-0.00	-0.03	0.45	LC 1-4	
					Min M _z	-1.31	0.77	▷	0.95	0.00	-0.03	-0.42	LC 1-5	
				2.147 Left	Max N	-0.53	0.48	▷	1.47	0.00	0.60	-0.50	LC 1-5	
					Min N	-3.02	-0.50	▷	1.22	-0.00	0.57	0.53	LC 1-4	
					Max V _y	-1.29	0.77	▷	1.34	0.00	0.58	-0.81	LC 1-5	
					Min V _y	-2.26	-0.79	▷	1.35	-0.00	0.58	0.84	LC 1-4	
					Max V _z	-0.84	0.00	▷	1.69	0.00	0.62	0.00	LC 1-4	
					Min V _z	-2.71	-0.02	▷	1.00	0.00	0.54	0.02	LC 1-5	
					Max M _T	-1.44	0.30	▷	1.34	0.00	0.58	-0.30	LC 1-4	
					Min M _T	-2.12	-0.31	▷	1.35	-0.00	0.58	0.33	LC 1-5	
					Max M _y	-0.83	0.01	▷	1.67	0.00	0.62	-0.01	LC 1-5	
					Min M _y	-2.72	-0.03	▷	1.02	0.00	0.54	0.03	LC 1-4	
					Max M _z	-2.26	-0.79	▷	1.35	-0.00	0.58	0.84	LC 1-4	
					Min M _z	-1.30	0.77	▷	1.34	0.00	0.58	-0.81	LC 1-5	
				120	2.147 Right	Max N	-0.53	0.48	▷	1.47	0.00	0.60	-0.50	LC 1-5
						Min N	-3.02	-0.50	▷	1.22	-0.00	0.57	0.53	LC 1-4
						Max V _y	-1.29	0.77	▷	1.34	0.00	0.58	-0.81	LC 1-5
						Min V _y	-2.26	-0.79	▷	1.35	-0.00	0.58	0.84	LC 1-4
						Max V _z	-0.84	0.00	▷	1.69	0.00	0.62	0.00	LC 1-4
						Min V _z	-2.71	-0.02	▷	1.00	0.00	0.54	0.02	LC 1-5
						Max M _T	-1.44	0.30	▷	1.34	0.00	0.58	-0.30	LC 1-4
						Min M _T	-2.12	-0.31	▷	1.35	-0.00	0.58	0.33	LC 1-5
						Max M _y	-0.83	0.01	▷	1.67	0.00	0.62	-0.01	LC 1-5
						Min M _y	-2.72	-0.03	▷	1.02	0.00	0.54	0.03	LC 1-4
						Max M _z	-2.26	-0.79	▷	1.35	-0.00	0.58	0.84	LC 1-4
						Min M _z	-1.30	0.77	▷	1.34	0.00	0.58	-0.81	LC 1-5
241	RC1	157	0.000 Left	Max N	-1.29	0.00	▷	-0.72	0.00	0.20	-0.00	CO 14		
				Min N	-4.29	0.00	▷	-2.80	0.00	0.92	-0.00	CO 3		
				Max V _y	-1.29	0.00	▷	-0.72	0.00	0.20	-0.00	CO 14		
				Min V _y	-4.28	0.00	▷	-2.80	0.00	0.92	-0.00	CO 5		
				Max V _z	-1.30	0.00	▷	-0.72	0.00	0.20	-0.00	CO 10		
				Min V _z	-4.28	0.00	▷	-2.80	0.00	0.92	-0.00	CO 7		
				Max M _T	-4.28	0.00	▷	-2.80	▷	0.00	-0.00	CO 6		
				Min M _T	-1.29	0.00	▷	-0.72	▷	0.00	-0.00	CO 14		
				Max M _y	-4.28	0.00	▷	-2.80	▷	0.00	-0.00	CO 7		
				Min M _y	-1.30	0.00	▷	-0.72	▷	0.00	-0.00	CO 10		
				Max M _z	-1.29	0.00	▷	-0.72	0.00	0.20	-0.00	CO 14		
				Min M _z	-4.28	0.00	▷	-2.80	0.00	0.92	-0.00	CO 5		
			0.000 Right	Max N	-1.29	0.00	▷	-0.72	0.00	0.20	-0.00	CO 14		
				Min N	-4.29	0.00	▷	-2.80	0.00	0.92	-0.00	CO 3		
				Max V _y	-1.29	0.00	▷	-0.72	0.00	0.20	-0.00	CO 14		
				Min V _y	-4.28	0.00	▷	-2.80	0.00	0.92	-0.00	CO 5		
				Max V _z	-1.30	0.00	▷	-0.72	0.00	0.20	-0.00	CO 10		
				Min V _z	-4.28	0.00	▷	-2.80	0.00	0.92	-0.00	CO 7		
				Max M _T	-4.28	0.00	▷	-2.80	▷	0.00	-0.00	CO 6		
				Min M _T	-1.29	0.00	▷	-0.72	▷	0.00	-0.00	CO 14		
				Max M _y	-4.28	0.00	▷	-2.80	▷	0.00	-0.00	CO 7		
				Min M _y	-1.30	0.00	▷	-0.72	▷	0.00	-0.00	CO 10		
				Max M _z	-1.29	0.00	▷	-0.72	0.00	0.20	-0.00	CO 14		
				Min M _z	-4.28	0.00	▷	-2.80	0.00	0.92	-0.00	CO 5		
		1.604		Max N	-0.66	0.00	▷	0.43	0.00	-0.03	-0.01	CO 14		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z			
241	RC1		Left	Min N	▷	-3.67	0.00	1.62	0.00	-0.03	-0.01	CO 3
				Max V _y	▷	-3.66	0.00	1.62	0.00	-0.03	-0.01	CO 8
				Min V _y	▷	-0.68	0.00	0.43	0.00	-0.03	-0.00	CO 9
				Max V _z	▷	-3.67	0.00	1.62	0.00	-0.03	-0.01	CO 4
				Min V _z	▷	-0.67	0.00	0.43	0.00	-0.03	-0.00	CO 13
				Max M _T	▷	-3.67	0.00	1.62	0.00	-0.03	-0.01	CO 4
				Min M _T	▷	-0.66	0.00	0.43	0.00	-0.03	-0.01	CO 14
				Max M _y	▷	-0.67	0.00	0.43	0.00	-0.03	-0.00	CO 10
				Min M _y	▷	-3.66	0.00	1.62	0.00	-0.03	-0.01	CO 7
				Max M _z	▷	-0.68	0.00	0.43	0.00	-0.03	-0.00	CO 9
				Min M _z	▷	-3.66	0.00	1.62	0.00	-0.03	-0.01	CO 8
				1.604 Right	Max N	▷	-0.66	0.00	0.43	0.00	-0.03	-0.01
			Min N		▷	-3.67	0.00	1.62	0.00	-0.03	-0.01	CO 3
			Max V _y		▷	-3.66	0.00	1.62	0.00	-0.03	-0.01	CO 8
			Min V _y		▷	-0.68	0.00	0.43	0.00	-0.03	-0.00	CO 9
			Max V _z		▷	-3.67	0.00	1.62	0.00	-0.03	-0.01	CO 4
			Min V _z		▷	-0.67	0.00	0.43	0.00	-0.03	-0.00	CO 13
			Max M _T		▷	-3.67	0.00	1.62	0.00	-0.03	-0.01	CO 4
			Min M _T		▷	-0.66	0.00	0.43	0.00	-0.03	-0.01	CO 14
			Max M _y		▷	-0.67	0.00	0.43	0.00	-0.03	-0.00	CO 10
			Min M _y		▷	-3.66	0.00	1.62	0.00	-0.03	-0.01	CO 7
			Max M _z		▷	-0.68	0.00	0.43	0.00	-0.03	-0.00	CO 9
			Min M _z		▷	-3.66	0.00	1.62	0.00	-0.03	-0.01	CO 8
			2.107 Left	Max N	▷	-0.47	0.00	0.79	0.00	0.28	-0.01	CO 14
				Min N	▷	-3.48	0.00	2.48	0.00	1.04	-0.01	CO 3
				Max V _y	▷	-3.46	0.00	2.48	0.00	1.04	-0.01	CO 8
				Min V _y	▷	-0.48	0.00	0.79	0.00	0.28	-0.01	CO 9
				Max V _z	▷	-3.47	0.00	2.48	0.00	1.04	-0.01	CO 4
				Min V _z	▷	-0.47	0.00	0.79	0.00	0.28	-0.01	CO 13
				Max M _T	▷	-3.47	0.00	2.48	0.00	1.04	-0.01	CO 4
				Min M _T	▷	-0.47	0.00	0.79	0.00	0.28	-0.01	CO 14
				Max M _y	▷	-3.47	0.00	2.48	0.00	1.04	-0.01	CO 4
				Min M _y	▷	-0.47	0.00	0.79	0.00	0.28	-0.01	CO 13
				Max M _z	▷	-0.48	0.00	0.79	0.00	0.28	-0.01	CO 9
				Min M _z	▷	-3.46	0.00	2.48	0.00	1.04	-0.01	CO 8
			2.107 Right	Max N	▷	-0.47	0.00	0.79	0.00	0.28	-0.01	CO 14
				Min N	▷	-3.48	0.00	2.48	0.00	1.04	-0.01	CO 3
				Max V _y	▷	-3.46	0.00	2.48	0.00	1.04	-0.01	CO 8
				Min V _y	▷	-0.48	0.00	0.79	0.00	0.28	-0.01	CO 9
				Max V _z	▷	-3.47	0.00	2.48	0.00	1.04	-0.01	CO 4
				Min V _z	▷	-0.47	0.00	0.79	0.00	0.28	-0.01	CO 13
				Max M _T	▷	-3.47	0.00	2.48	0.00	1.04	-0.01	CO 4
				Min M _T	▷	-0.47	0.00	0.79	0.00	0.28	-0.01	CO 14
				Max M _y	▷	-3.47	0.00	2.48	0.00	1.04	-0.01	CO 4
				Min M _y	▷	-0.47	0.00	0.79	0.00	0.28	-0.01	CO 13
				Max M _z	▷	-0.48	0.00	0.79	0.00	0.28	-0.01	CO 9
				Min M _z	▷	-3.46	0.00	2.48	0.00	1.04	-0.01	CO 8
			RC2	157	0.000 Left	Max N	▷	-0.83	0.00	-0.48	0.00	0.14
	Min N	▷				-3.06	0.00	-2.02	0.00	0.67	-0.00	CO 17
	Max V _y	▷				-0.83	0.00	-0.48	0.00	0.14	-0.00	CO 28
	Min V _y	▷				-3.05	0.00	-2.02	0.00	0.67	-0.00	CO 19
	Max V _z	▷				-0.84	0.00	-0.48	0.00	0.14	-0.00	CO 24
	Min V _z	▷				-3.05	0.00	-2.02	0.00	0.67	-0.00	CO 21
	Max M _T	▷				-3.05	0.00	-2.02	0.00	0.67	-0.00	CO 20
	Min M _T	▷				-0.83	0.00	-0.48	0.00	0.14	-0.00	CO 28
	Max M _y	▷				-3.05	0.00	-2.02	0.00	0.67	-0.00	CO 21
	Min M _y	▷				-0.84	0.00	-0.48	0.00	0.14	-0.00	CO 24
	Max M _z	▷				-0.83	0.00	-0.48	0.00	0.14	-0.00	CO 28
	Min M _z	▷				-3.05	0.00	-2.02	0.00	0.67	-0.00	CO 19
	0.000 Right	Max N			▷	-0.83	0.00	-0.48	0.00	0.14	-0.00	CO 28
		Min N			▷	-3.06	0.00	-2.02	0.00	0.67	-0.00	CO 17
		Max V _y			▷	-0.83	0.00	-0.48	0.00	0.14	-0.00	CO 28
		Min V _y			▷	-3.05	0.00	-2.02	0.00	0.67	-0.00	CO 19
		Max V _z			▷	-0.84	0.00	-0.48	0.00	0.14	-0.00	CO 24
		Min V _z			▷	-3.05	0.00	-2.02	0.00	0.67	-0.00	CO 21
		Max M _T			▷	-3.05	0.00	-2.02	0.00	0.67	-0.00	CO 20
		Min M _T			▷	-0.83	0.00	-0.48	0.00	0.14	-0.00	CO 28
		Max M _y			▷	-3.05	0.00	-2.02	0.00	0.67	-0.00	CO 21
		Min M _y			▷	-0.84	0.00	-0.48	0.00	0.14	-0.00	CO 24
		Max M _z			▷	-0.83	0.00	-0.48	0.00	0.14	-0.00	CO 28
		Min M _z			▷	-3.05	0.00	-2.02	0.00	0.67	-0.00	CO 19
	1.604 Left	Max N			▷	-0.42	0.00	0.29	0.00	-0.02	-0.00	CO 28
		Min N			▷	-2.64	0.00	1.17	0.00	-0.02	-0.01	CO 17
		Max V _y			▷	-2.63	0.00	1.17	0.00	-0.02	-0.01	CO 22
		Min V _y			▷	-0.43	0.00	0.29	0.00	-0.02	-0.00	CO 23
		Max V _z			▷	-2.64	0.00	1.17	0.00	-0.02	-0.01	CO 18
		Min V _z			▷	-0.42	0.00	0.29	0.00	-0.02	-0.00	CO 27
		Max M _T			▷	-2.64	0.00	1.17	0.00	-0.02	-0.01	CO 20
		Min M _T			▷	-0.42	0.00	0.29	0.00	-0.02	-0.00	CO 28
		Max M _y			▷	-0.42	0.00	0.29	0.00	-0.02	-0.00	CO 24
		Min M _y			▷	-2.64	0.00	1.17	0.00	-0.02	-0.01	CO 21
		Max M _z			▷	-0.43	0.00	0.29	0.00	-0.02	-0.00	CO 23
	1.604 Right	Min M _z	▷	-2.63	0.00	1.17	0.00	-0.02	-0.01	CO 22		
Max N		▷	-0.42	0.00	0.29	0.00	-0.02	-0.00	CO 28			
Min N		▷	-2.64	0.00	1.17	0.00	-0.02	-0.01	CO 17			
Max V _y		▷	-2.63	0.00	1.17	0.00	-0.02	-0.01	CO 22			
Min V _y		▷	-0.43	0.00	0.29	0.00	-0.02	-0.00	CO 23			
Max V _z		▷	-2.64	0.00	1.17	0.00	-0.02	-0.01	CO 18			
Min V _z		▷	-0.42	0.00	0.29	0.00	-0.02	-0.00	CO 27			
Max M _T		▷	-2.64	0.00	1.17	0.00	-0.02	-0.01	CO 20			
Min M _T		▷	-0.42	0.00	0.29	0.00	-0.02	-0.00	CO 28			
Max M _y		▷	-0.42	0.00	0.29	0.00	-0.02	-0.00	CO 24			

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
241	RC2	120	2.107 Left	Min M _y	-2.64	0.00	1.17	0.00	-0.02	-0.01	CO 21
				Max M _z	-0.43	0.00	0.29	0.00	-0.02	-0.00	CO 23
				Min M _z	-2.63	0.00	1.17	0.00	-0.02	-0.01	CO 22
				Max N	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 28
				Min N	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 17
				Max V _y	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 22
				Min V _y	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 23
				Max V _z	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 18
				Min V _z	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 27
				Max M _T	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 20
				Min M _T	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 28
				Max M _y	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 18
				Min M _y	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 27
				Max M _z	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 23
				Min M _z	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 22
				Max N	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 28
				Min N	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 17
				Max V _y	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 22
				Min V _y	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 23
				Max V _z	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 18
				Min V _z	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 27
				Max M _T	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 20
				Min M _T	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 28
				Max M _y	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 18
				Min M _y	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 27
				Max M _z	-0.29	0.00	0.53	0.00	0.19	-0.00	CO 23
				Min M _z	-2.51	0.00	1.78	0.00	0.75	-0.01	CO 22
	RC6	157	0.000 Left	Max N	-0.41	-0.20	-1.41	0.00	0.21	-0.22	LC 1-5
				Min N	-3.26	0.20	-1.74	0.00	0.88	0.21	LC 1-4
				Max V _y	-2.25	0.78	-1.57	0.00	0.54	0.83	LC 1-4
				Min V _y	-1.42	-0.78	-1.58	0.00	0.55	-0.83	LC 1-5
				Max V _z	-0.90	0.01	-1.22	0.00	-0.17	0.01	LC 1-4
				Min V _z	-2.76	-0.01	-1.93	0.00	1.26	-0.01	LC 1-5
				Max M _T	-2.21	0.21	-1.60	0.00	0.60	0.23	LC 1-5
				Min M _T	-1.46	-0.21	-1.55	-0.00	0.49	-0.23	LC 1-4
				Max M _y	-2.76	-0.01	-1.93	0.00	1.26	-0.01	LC 1-5
				Min M _y	-0.91	0.01	-1.22	0.00	-0.17	0.01	LC 1-4
				Max M _z	-2.26	0.78	-1.57	0.00	0.54	0.83	LC 1-4
				Min M _z	-1.41	-0.78	-1.58	0.00	0.55	-0.83	LC 1-5
			0.000 Right	Max N	-0.41	-0.20	-1.41	0.00	0.21	-0.22	LC 1-5
				Min N	-3.26	0.20	-1.74	0.00	0.88	0.21	LC 1-4
				Max V _y	-2.25	0.78	-1.57	0.00	0.54	0.83	LC 1-4
				Min V _y	-1.42	-0.78	-1.58	0.00	0.55	-0.83	LC 1-5
				Max V _z	-0.90	0.01	-1.22	0.00	-0.17	0.01	LC 1-4
				Min V _z	-2.76	-0.01	-1.93	0.00	1.26	-0.01	LC 1-5
				Max M _T	-2.21	0.21	-1.60	0.00	0.60	0.23	LC 1-5
				Min M _T	-1.46	-0.21	-1.55	-0.00	0.49	-0.23	LC 1-4
				Max M _y	-2.76	-0.01	-1.93	0.00	1.26	-0.01	LC 1-5
				Min M _y	-0.91	0.01	-1.22	0.00	-0.17	0.01	LC 1-4
				Max M _z	-2.26	0.78	-1.57	0.00	0.54	0.83	LC 1-4
				Min M _z	-1.41	-0.78	-1.58	0.00	0.55	-0.83	LC 1-5
			1.604 Left	Max N	-0.38	-0.20	1.06	0.00	-0.06	0.10	LC 1-5
				Min N	-3.23	0.20	0.72	0.00	0.06	-0.11	LC 1-4
				Max V _y	-2.22	0.78	0.90	0.00	-0.00	-0.42	LC 1-4
				Min V _y	-1.39	-0.78	0.89	0.00	0.00	0.42	LC 1-5
				Max V _z	-0.88	0.01	1.24	0.00	-0.14	-0.01	LC 1-4
				Min V _z	-2.73	-0.01	0.54	0.00	0.14	0.00	LC 1-5
				Max M _T	-2.18	0.21	0.86	0.00	0.01	-0.11	LC 1-5
				Min M _T	-1.43	-0.21	0.92	-0.00	-0.01	0.10	LC 1-4
				Max M _y	-2.72	-0.01	0.54	0.00	0.14	0.00	LC 1-5
				Min M _y	-0.90	0.01	1.24	0.00	-0.14	-0.01	LC 1-4
				Max M _z	-1.43	-0.78	0.88	0.00	0.00	0.42	LC 1-4
				Min M _z	-2.18	0.78	0.90	0.00	-0.00	-0.42	LC 1-5
			1.604 Right	Max N	-0.38	-0.20	1.06	0.00	-0.06	0.10	LC 1-5
				Min N	-3.23	0.20	0.72	0.00	0.06	-0.11	LC 1-4
				Max V _y	-2.22	0.78	0.90	0.00	-0.00	-0.42	LC 1-4
				Min V _y	-1.39	-0.78	0.89	0.00	0.00	0.42	LC 1-5
				Max V _z	-0.88	0.01	1.25	0.00	-0.14	-0.01	LC 1-4
				Min V _z	-2.73	-0.01	0.54	0.00	0.14	0.00	LC 1-5
				Max M _T	-2.18	0.21	0.86	0.00	0.01	-0.11	LC 1-5
				Min M _T	-1.43	-0.21	0.92	-0.00	-0.01	0.10	LC 1-4
				Max M _y	-2.72	-0.01	0.54	0.00	0.14	0.00	LC 1-5
				Min M _y	-0.90	0.01	1.24	0.00	-0.14	-0.01	LC 1-4
				Max M _z	-1.43	-0.78	0.88	0.00	0.00	0.42	LC 1-4
				Min M _z	-2.18	0.78	0.90	0.00	-0.00	-0.42	LC 1-5
			2.107 Left	Max N	-0.37	-0.20	1.45	0.00	0.60	0.20	LC 1-5
				Min N	-3.23	0.20	1.11	0.00	0.56	-0.21	LC 1-4
				Max V _y	-2.22	0.78	1.29	0.00	0.58	-0.82	LC 1-4
				Min V _y	-1.38	-0.78	1.28	0.00	0.58	0.81	LC 1-5
				Max V _z	-0.87	0.01	1.63	0.00	0.61	-0.02	LC 1-4
				Min V _z	-2.73	-0.01	0.93	0.00	0.54	0.01	LC 1-5
				Max M _T	-2.17	0.21	1.25	0.00	0.58	-0.22	LC 1-5
				Min M _T	-1.42	-0.21	1.31	-0.00	0.58	0.21	LC 1-4
				Max M _y	-0.86	0.01	1.61	0.00	0.62	-0.01	LC 1-5
				Min M _y	-2.73	-0.00	0.95	0.00	0.54	0.00	LC 1-4
				Max M _z	-1.41	-0.78	1.28	0.00	0.58	0.81	LC 1-4
				Min M _z	-2.18	0.78	1.29	0.00	0.58	-0.82	LC 1-5
		120	2.107 Right	Max N	-0.37	-0.20	1.45	0.00	0.60	0.20	LC 1-5
				Min N	-3.23	0.20	1.11	0.00	0.56	-0.21	LC 1-4
				Max V _y	-2.22	0.78	1.29	0.00	0.58	-0.82	LC 1-4
				Min V _y	-1.38	-0.78	1.28	0.00	0.58	0.81	LC 1-5
				Max V _z	-0.87	0.01	1.63	0.00	0.61	-0.02	LC 1-4
				Min V _z	-2.73	-0.01	0.93	0.00	0.54	0.01	LC 1-5
				Max M _T	-2.17	0.21	1.25	0.00	0.58	-0.22	LC 1-5
				Min M _T	-1.42	-0.21	1.31	-0.00	0.58	0.21	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
241	RC6			Min V _z	-2.73	-0.01	0.93	0.00	0.54	0.01	LC 1-5
				Max M _T	-2.17	0.21	1.25	0.00	0.58	-0.22	LC 1-5
				Min M _T	-1.42	-0.21	1.31	0.00	0.58	0.21	LC 1-4
				Max M _y	-0.86	0.01	1.61	0.00	0.62	-0.01	LC 1-5
				Min M _y	-2.73	-0.00	0.95	0.00	0.54	0.00	LC 1-4
				Max M _z	-1.41	-0.78	1.28	0.00	0.58	0.81	LC 1-4
				Min M _z	-2.18	0.78	1.29	0.00	0.58	-0.82	LC 1-5
				Max N	-3.19	-0.00	0.09	0.00	0.00	-0.00	CO 9
				Min N	-12.03	-0.00	0.11	0.00	0.00	-0.00	CO 7
				Max V _y	-3.19	-0.00	0.09	0.00	0.00	-0.00	CO 12
				Min V _y	-12.03	-0.00	0.11	0.00	0.00	-0.00	CO 8
				Max V _z	-12.03	-0.00	0.11	0.00	0.00	-0.00	CO 7
242	RC1	158	0.000	Min V _z	-3.19	-0.00	0.09	0.00	0.00	-0.00	CO 9
				Max M _T	-12.03	-0.00	0.11	0.00	0.00	-0.00	CO 3
				Min M _T	-3.19	-0.00	0.09	0.00	0.00	-0.00	CO 14
				Max M _y	-12.03	-0.00	0.11	0.00	0.00	-0.00	CO 1
				Min M _y	-12.03	-0.00	0.11	0.00	0.00	-0.00	CO 1
				Max M _z	-12.03	-0.00	0.11	0.00	0.00	-0.00	CO 2
				Min M _z	-3.19	-0.00	0.09	0.00	0.00	-0.00	CO 9
		159	3.755	Max N	-3.19	0.00	-0.09	0.00	0.00	0.00	CO 9
				Min N	-12.03	0.00	-0.11	0.00	0.00	0.00	CO 7
				Max V _y	-12.03	0.00	-0.11	0.00	0.00	0.00	CO 7
				Min V _y	-3.19	0.00	-0.09	0.00	0.00	0.00	CO 10
				Max V _z	-3.19	0.00	-0.09	0.00	0.00	0.00	CO 9
				Min V _z	-12.03	0.00	-0.11	0.00	0.00	0.00	CO 8
				Max M _T	-12.03	0.00	-0.11	0.00	0.00	0.00	CO 3
				Min M _T	-3.19	0.00	-0.09	0.00	0.00	0.00	CO 14
				Max M _y	-12.03	0.00	-0.11	0.00	0.00	0.00	CO 1
				Min M _y	-12.03	0.00	-0.11	0.00	0.00	0.00	CO 1
				Max M _z	-12.03	0.00	-0.11	0.00	0.00	0.00	CO 1
		RC2	158	Min M _z	-3.19	0.00	-0.09	0.00	0.00	0.00	CO 9
				Max N	-2.16	-0.00	0.07	0.00	0.00	-0.00	CO 23
				Min N	-8.70	-0.00	0.07	0.00	0.00	-0.00	CO 22
				Max V _y	-2.16	-0.00	0.07	0.00	0.00	-0.00	CO 24
				Min V _y	-8.70	-0.00	0.07	0.00	0.00	-0.00	CO 22
				Max V _z	-8.70	-0.00	0.07	0.00	0.00	-0.00	CO 17
				Min V _z	-2.16	-0.00	0.07	0.00	0.00	-0.00	CO 23
				Max M _T	-8.70	-0.00	0.07	0.00	0.00	-0.00	CO 17
				Min M _T	-2.16	-0.00	0.07	0.00	0.00	-0.00	CO 28
				Max M _y	-8.70	-0.00	0.07	0.00	0.00	-0.00	CO 15
				Min M _y	-8.70	-0.00	0.07	0.00	0.00	-0.00	CO 15
				Max M _z	-8.70	-0.00	0.07	0.00	0.00	-0.00	CO 15
		159	3.755	Min M _z	-8.70	-0.00	0.07	0.00	0.00	-0.00	CO 15
				Max N	-2.16	0.00	-0.07	0.00	0.00	0.00	CO 23
				Min N	-8.70	0.00	-0.07	0.00	0.00	0.00	CO 22
				Max V _y	-8.70	0.00	-0.07	0.00	0.00	0.00	CO 17
				Min V _y	-2.16	0.00	-0.07	0.00	0.00	0.00	CO 24
				Max V _z	-2.16	0.00	-0.07	0.00	0.00	0.00	CO 23
				Min V _z	-8.70	0.00	-0.07	0.00	0.00	0.00	CO 21
				Max M _T	-8.70	0.00	-0.07	0.00	0.00	0.00	CO 17
				Min M _T	-2.16	0.00	-0.07	0.00	0.00	0.00	CO 28
				Max M _y	-8.70	0.00	-0.07	0.00	0.00	0.00	CO 15
				Min M _y	-8.70	0.00	-0.07	0.00	0.00	0.00	CO 15
				Max M _z	-8.70	0.00	-0.07	0.00	0.00	0.00	CO 15
		RC6	158	Min M _z	-2.16	0.00	-0.07	0.00	0.00	0.00	CO 23
				Max N	-6.83	0.00	0.07	0.00	0.00	0.00	LC 1-4
				Min N	-6.91	0.00	0.07	0.00	0.00	0.00	LC 1-5
				Max V _y	-6.87	0.00	0.07	0.00	0.00	0.00	LC 1-4
				Min V _y	-6.87	0.00	0.07	0.00	0.00	0.00	LC 1-4
				Max V _z	-6.87	0.00	0.07	0.00	0.00	0.00	LC 1-4
				Min V _z	-6.87	0.00	0.07	0.00	0.00	0.00	LC 1-4
				Max M _T	-6.87	0.00	0.07	0.00	0.00	0.00	LC 1-5
				Min M _T	-6.87	0.00	0.07	-0.00	0.00	0.00	LC 1-4
				Max M _y	-6.87	0.00	0.07	0.00	0.00	0.00	LC 1-4
				Min M _y	-6.87	0.00	0.07	0.00	0.00	0.00	LC 1-4
				Max M _z	-6.87	0.00	0.07	0.00	0.00	0.00	LC 1-4
		159	3.755	Min M _z	-6.87	0.00	0.07	0.00	0.00	0.00	LC 1-4
				Max N	-6.83	0.00	-0.07	0.00	0.00	0.00	LC 1-4
				Min N	-6.91	0.00	-0.07	0.00	0.00	0.00	LC 1-5
				Max V _y	-6.87	0.00	-0.07	0.00	0.00	0.00	LC 1-4
				Min V _y	-6.87	0.00	-0.07	0.00	0.00	0.00	LC 1-4
				Max V _z	-6.87	0.00	-0.07	0.00	0.00	0.00	LC 1-4
				Min V _z	-6.87	0.00	-0.07	0.00	0.00	0.00	LC 1-4
				Max M _T	-6.87	0.00	-0.07	0.00	0.00	0.00	LC 1-5
				Min M _T	-6.87	0.00	-0.07	-0.00	0.00	0.00	LC 1-4
				Max M _y	-6.87	0.00	-0.07	0.00	0.00	0.00	LC 1-4
				Min M _y	-6.87	0.00	-0.07	0.00	0.00	0.00	LC 1-4
				Max M _z	-6.87	0.00	-0.07	0.00	0.00	0.00	LC 1-4
243	RC1	158	0.000 Left	Min M _z	-6.87	0.00	-0.07	0.00	0.00	0.00	LC 1-4
				Max N	-2.18	-0.00	-0.68	0.00	0.26	0.00	CO 14
				Min N	-6.35	-0.00	-2.77	0.00	0.89	0.00	CO 3
				Max V _y	-6.35	-0.00	-2.77	0.00	0.89	0.00	CO 8
				Min V _y	-2.18	-0.00	-0.68	0.00	0.26	0.00	CO 9
				Max V _z	-2.18	-0.00	-0.68	0.00	0.26	0.00	CO 9
				Min V _z	-6.35	-0.00	-2.77	0.00	0.89	0.00	CO 8
				Max M _T	-6.35	-0.00	-2.77	0.00	0.89	0.00	CO 5
				Min M _T	-2.18	-0.00	-0.68	0.00	0.26	0.00	CO 14
				Max M _y	-6.35	-0.00	-2.77	0.00	0.89	0.00	CO 8
				Min M _y	-2.18	-0.00	-0.68	0.00	0.26	0.00	CO 9
				Max M _z	-6.35	-0.00	-2.77	0.00	0.89	0.00	CO 2
				Min M _z	-2.18	-0.00	-0.68	0.00	0.26	0.00	CO 10
				Max N	-2.18	-0.00	-0.68	0.00	0.26	0.00	CO 14

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
243	RC1		Right	Min N	▷ -6.35	▷ -0.00	▷ -2.77	0.00	0.89	0.00	CO 3
				Max V _y	▷ -6.35	▷ -0.00	▷ -2.77	0.00	0.89	0.00	CO 8
				Min V _y	▷ -2.18	▷ -0.00	▷ -0.68	0.00	0.26	0.00	CO 9
				Max V _z	▷ -2.18	▷ -0.00	▷ -0.68	0.00	0.26	0.00	CO 9
				Min V _z	▷ -6.35	▷ -0.00	▷ -2.77	0.00	0.89	0.00	CO 8
				Max M _T	▷ -6.35	▷ -0.00	▷ -2.77	▷ 0.00	0.89	0.00	CO 5
				Min M _T	▷ -2.18	▷ -0.00	▷ -0.68	▷ 0.00	0.26	0.00	CO 14
				Max M _y	▷ -6.35	▷ -0.00	▷ -2.77	▷ 0.00	▷ 0.89	0.00	CO 8
				Min M _y	▷ -2.18	▷ -0.00	▷ -0.68	▷ 0.00	▷ 0.26	0.00	CO 9
				Max M _z	▷ -6.35	▷ -0.00	▷ -2.77	▷ 0.00	▷ 0.89	0.00	CO 2
				Min M _z	▷ -2.18	▷ -0.00	▷ -0.68	▷ 0.00	▷ 0.26	0.00	CO 10
			1.644 Left	Max N	▷ -1.62	▷ -0.00	▷ 0.37	0.00	0.00	0.00	CO 14
				Min N	▷ -5.79	▷ -0.00	▷ 1.65	0.00	-0.04	0.00	CO 3
				Max V _y	▷ -5.79	▷ -0.00	▷ 1.65	0.00	-0.04	0.00	CO 6
				Min V _y	▷ -1.62	▷ -0.00	▷ 0.37	0.00	0.00	0.00	CO 13
				Max V _z	▷ -5.79	▷ -0.00	▷ 1.65	0.00	-0.04	0.00	CO 3
				Min V _z	▷ -1.62	▷ -0.00	▷ 0.37	0.00	0.00	0.00	CO 14
				Max M _T	▷ -5.79	▷ -0.00	▷ 1.65	▷ 0.00	-0.04	0.00	CO 3
				Min M _T	▷ -1.62	▷ -0.00	▷ 0.37	▷ 0.00	0.00	0.00	CO 14
				Max M _y	▷ -1.62	▷ -0.00	▷ 0.37	▷ 0.00	0.00	0.00	CO 14
				Min M _y	▷ -5.79	▷ -0.00	▷ 1.65	▷ 0.00	-0.04	0.00	CO 5
			1.644 Right	Max M _z	▷ -1.62	▷ -0.00	▷ 0.37	▷ 0.00	0.00	0.00	CO 9
				Min M _z	▷ -5.79	▷ -0.00	▷ 1.65	▷ 0.00	-0.04	0.00	CO 6
				Max N	▷ -1.62	▷ -0.00	▷ 0.37	0.00	0.00	0.00	CO 14
				Min N	▷ -5.79	▷ -0.00	▷ 1.65	0.00	-0.04	0.00	CO 3
				Max V _y	▷ -5.79	▷ -0.00	▷ 1.65	0.00	-0.04	0.00	CO 6
				Min V _y	▷ -1.62	▷ -0.00	▷ 0.37	0.00	0.00	0.00	CO 13
				Max V _z	▷ -5.79	▷ -0.00	▷ 1.65	0.00	-0.04	0.00	CO 3
				Min V _z	▷ -1.62	▷ -0.00	▷ 0.37	0.00	0.00	0.00	CO 14
				Max M _T	▷ -5.79	▷ -0.00	▷ 1.65	▷ 0.00	-0.04	0.00	CO 3
				Min M _T	▷ -1.62	▷ -0.00	▷ 0.37	▷ 0.00	0.00	0.00	CO 14
			2.147 Left	Max M _y	▷ -1.62	▷ -0.00	▷ 0.37	▷ 0.00	0.00	0.00	CO 14
				Min M _y	▷ -5.79	▷ -0.00	▷ 1.65	▷ 0.00	-0.04	0.00	CO 5
				Max M _z	▷ -1.62	▷ -0.00	▷ 0.37	▷ 0.00	0.00	0.00	CO 9
				Min M _z	▷ -5.79	▷ -0.00	▷ 1.65	▷ 0.00	-0.04	0.00	CO 6
				Max N	▷ -1.45	▷ -0.00	▷ 0.70	0.00	0.27	0.01	CO 14
				Min N	▷ -5.62	▷ -0.00	▷ 2.46	0.00	1.04	0.00	CO 3
				Max V _y	▷ -5.62	▷ -0.00	▷ 2.46	0.00	1.04	0.00	CO 6
				Min V _y	▷ -1.45	▷ -0.00	▷ 0.70	0.00	0.27	0.01	CO 13
				Max V _z	▷ -5.62	▷ -0.00	▷ 2.46	0.00	1.04	0.00	CO 3
				Min V _z	▷ -1.45	▷ -0.00	▷ 0.70	0.00	0.27	0.01	CO 14
			2.147 Right	Max M _T	▷ -5.62	▷ -0.00	▷ 2.46	▷ 0.00	1.04	0.00	CO 3
				Min M _T	▷ -1.45	▷ -0.00	▷ 0.70	▷ 0.00	0.27	0.01	CO 14
				Max M _y	▷ -5.62	▷ -0.00	▷ 2.46	▷ 0.00	1.04	0.00	CO 3
				Min M _y	▷ -1.45	▷ -0.00	▷ 0.70	▷ 0.00	0.27	0.01	CO 14
				Max M _z	▷ -1.45	▷ -0.00	▷ 0.70	▷ 0.00	0.27	0.01	CO 9
				Min M _z	▷ -5.62	▷ -0.00	▷ 2.46	▷ 0.00	1.04	0.00	CO 6
				Max N	▷ -1.45	▷ -0.00	▷ 0.70	0.00	0.27	0.01	CO 14
				Min N	▷ -5.62	▷ -0.00	▷ 2.46	0.00	1.04	0.00	CO 3
				Max V _y	▷ -5.62	▷ -0.00	▷ 2.46	0.00	1.04	0.00	CO 6
				Min V _y	▷ -1.45	▷ -0.00	▷ 0.70	0.00	0.27	0.01	CO 13
			119	Max V _z	▷ -5.62	▷ -0.00	▷ 2.46	0.00	1.04	0.00	CO 3
				Min V _z	▷ -1.45	▷ -0.00	▷ 0.70	0.00	0.27	0.01	CO 14
				Max M _T	▷ -5.62	▷ -0.00	▷ 2.46	▷ 0.00	1.04	0.00	CO 3
				Min M _T	▷ -1.45	▷ -0.00	▷ 0.70	▷ 0.00	0.27	0.01	CO 14
				Max M _y	▷ -5.62	▷ -0.00	▷ 2.46	▷ 0.00	1.04	0.00	CO 3
				Min M _y	▷ -1.45	▷ -0.00	▷ 0.70	▷ 0.00	0.27	0.01	CO 14
				Max M _z	▷ -1.45	▷ -0.00	▷ 0.70	▷ 0.00	0.27	0.01	CO 9
				Min M _z	▷ -5.62	▷ -0.00	▷ 2.46	▷ 0.00	1.04	0.00	CO 6
				Max N	▷ -1.45	▷ -0.00	▷ -0.46	0.00	0.18	0.00	CO 28
				Min N	▷ -4.54	▷ -0.00	▷ -2.00	0.00	0.64	0.00	CO 17
	RC2	158	0.000 Left	Max V _y	▷ -4.54	▷ -0.00	▷ -2.00	0.00	0.64	0.00	CO 20
				Min V _y	▷ -1.46	▷ -0.00	▷ -0.46	0.00	0.17	0.00	CO 23
				Max V _z	▷ -1.46	▷ -0.00	▷ -0.46	0.00	0.17	0.00	CO 23
				Min V _z	▷ -4.54	▷ -0.00	▷ -2.00	0.00	0.64	0.00	CO 22
				Max M _T	▷ -4.54	▷ -0.00	▷ -2.00	▷ 0.00	0.64	0.00	CO 19
				Min M _T	▷ -1.45	▷ -0.00	▷ -0.46	▷ 0.00	0.18	0.00	CO 28
				Max M _y	▷ -4.54	▷ -0.00	▷ -2.00	▷ 0.00	0.64	0.00	CO 22
				Min M _y	▷ -1.46	▷ -0.00	▷ -0.46	▷ 0.00	0.17	0.00	CO 23
				Max M _z	▷ -4.54	▷ -0.00	▷ -2.00	▷ 0.00	0.64	0.00	CO 16
				Min M _z	▷ -1.46	▷ -0.00	▷ -0.46	▷ 0.00	0.17	0.00	CO 24
			0.000 Right	Max N	▷ -1.45	▷ -0.00	▷ -0.46	0.00	0.18	0.00	CO 28
				Min N	▷ -4.54	▷ -0.00	▷ -2.00	0.00	0.64	0.00	CO 17
				Max V _y	▷ -4.54	▷ -0.00	▷ -2.00	0.00	0.64	0.00	CO 20
				Min V _y	▷ -1.46	▷ -0.00	▷ -0.46	0.00	0.17	0.00	CO 23
				Max V _z	▷ -1.46	▷ -0.00	▷ -0.46	0.00	0.17	0.00	CO 23
				Min V _z	▷ -4.54	▷ -0.00	▷ -2.00	0.00	0.64	0.00	CO 22
				Max M _T	▷ -4.54	▷ -0.00	▷ -2.00	▷ 0.00	0.64	0.00	CO 19
				Min M _T	▷ -1.45	▷ -0.00	▷ -0.46	▷ 0.00	0.18	0.00	CO 28
				Max M _y	▷ -4.54	▷ -0.00	▷ -2.00	▷ 0.00	0.64	0.00	CO 22
				Min M _y	▷ -1.46	▷ -0.00	▷ -0.46	▷ 0.00	0.17	0.00	CO 23
			1.644 Left	Max M _z	▷ -4.54	▷ -0.00	▷ -2.00	▷ 0.00	0.64	0.00	CO 16
				Min M _z	▷ -1.46	▷ -0.00	▷ -0.46	▷ 0.00	0.17	0.00	CO 24
				Max N	▷ -1.08	▷ -0.00	▷ 0.25	0.00	0.00	0.00	CO 28
				Min N	▷ -4.17	▷ -0.00	▷ 1.19	0.00	-0.03	0.00	CO 17
				Max V _y	▷ -4.17	▷ -0.00	▷ 1.19	0.00	-0.03	0.00	CO 20
				Min V _y	▷ -1.08	▷ -0.00	▷ 0.25	0.00	0.00	0.00	CO 27
				Max V _z	▷ -4.17	▷ -0.00	▷ 1.19	0.00	-0.03	0.00	CO 17
				Min V _z	▷ -1.08	▷ -0.00	▷ 0.25	0.00	0.00	0.00	CO 28
				Max M _T	▷ -4.17	▷ -0.00	▷ 1.19	▷ 0.00	-0.03	0.00	CO 17
				Min M _T	▷ -1.08	▷ -0.00	▷ 0.25	▷ 0.00	0.00	0.00	CO 28
				Max M _y	▷ -1.08	▷ -0.00	▷ 0.25	▷ 0.00	0.00	0.00	CO 28

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
243	RC2		1.644 Right	Min M _y	-4.17	-0.00	1.19	0.00	-0.03	0.00	CO 19
				Max M _z	-1.08	-0.00	0.25	0.00	0.00	0.00	CO 23
				Min M _z	-4.17	-0.00	1.19	0.00	-0.03	0.00	CO 20
				Max N	-1.08	-0.00	0.25	0.00	0.00	0.00	CO 28
				Min N	-4.17	-0.00	1.19	0.00	-0.03	0.00	CO 17
				Max V _y	-4.17	-0.00	1.19	0.00	-0.03	0.00	CO 20
				Min V _y	-1.08	-0.00	0.25	0.00	0.00	0.00	CO 27
				Max V _z	-4.17	-0.00	1.19	0.00	-0.03	0.00	CO 17
				Min V _z	-1.08	-0.00	0.25	0.00	0.00	0.00	CO 28
				Max M _T	-4.17	-0.00	1.19	0.00	-0.03	0.00	CO 17
				Min M _T	-1.08	-0.00	0.25	0.00	0.00	0.00	CO 28
				Max M _y	-1.08	-0.00	0.25	0.00	0.00	0.00	CO 28
				Min M _y	-4.17	-0.00	1.19	0.00	-0.03	0.00	CO 19
				Max M _z	-1.08	-0.00	0.25	0.00	0.00	0.00	CO 23
				Min M _z	-4.17	-0.00	1.19	0.00	-0.03	0.00	CO 20
				Max N	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 28
				Min N	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 17
				Max V _y	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 20
				Min V _y	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 27
				Max V _z	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 17
				Min V _z	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 28
				Max M _T	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 17
				Min M _T	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 28
				Max M _y	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 18
				Min M _y	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 28
				Max M _z	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 23
				Min M _z	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 20
				Max N	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 28
				Min N	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 17
				Max V _y	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 20
				Min V _y	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 27
				Max V _z	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 17
				Min V _z	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 28
				Max M _T	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 17
				Min M _T	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 28
				Max M _y	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 18
				Min M _y	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 28
				Max M _z	-0.97	-0.00	0.47	0.00	0.18	0.00	CO 23
				Min M _z	-4.06	-0.00	1.78	0.00	0.75	0.00	CO 20
				Max N	-2.08	-0.02	-1.24	0.00	-0.23	-0.02	LC 1-4
				Min N	-4.05	0.01	-1.91	0.00	1.19	0.02	LC 1-5
				Max V _y	-3.16	1.14	-1.60	0.00	0.53	1.24	LC 1-5
				Min V _y	-2.98	-1.15	-1.55	-0.00	0.43	-1.24	LC 1-4
				Max V _z	-2.23	0.01	-1.18	0.00	-0.34	0.02	LC 1-4
				Min V _z	-3.91	-0.02	-1.97	0.00	1.30	-0.02	LC 1-5
				Max M _T	-2.91	0.30	-1.53	0.00	0.37	0.34	LC 1-5
				Min M _T	-3.23	-0.30	-1.63	-0.00	0.59	-0.34	LC 1-4
				Max M _y	-3.92	-0.02	-1.97	0.00	1.30	-0.02	LC 1-5
				Min M _y	-2.22	0.01	-1.18	0.00	-0.34	0.02	LC 1-4
				Max M _z	-3.16	1.14	-1.60	0.00	0.53	1.25	LC 1-5
				Min M _z	-2.98	-1.15	-1.55	-0.00	0.43	-1.24	LC 1-4
				Max N	-2.06	-0.02	1.28	0.00	-0.19	0.01	LC 1-4
				Min N	-4.03	0.01	0.62	0.00	0.12	-0.00	LC 1-5
				Max V _y	-3.13	1.14	0.93	0.00	-0.02	-0.64	LC 1-5
				Min V _y	-2.95	-1.15	0.97	-0.00	-0.05	0.64	LC 1-4
				Max V _z	-2.20	0.01	1.34	0.00	-0.21	-0.01	LC 1-4
				Min V _z	-3.88	-0.02	0.56	0.00	0.14	0.01	LC 1-5
				Max M _T	-2.88	0.30	1.00	0.00	-0.06	-0.15	LC 1-5
				Min M _T	-3.20	-0.30	0.90	-0.00	-0.01	0.15	LC 1-4
				Max M _y	-3.92	-0.02	0.56	0.00	0.14	0.01	LC 1-4
				Min M _y	-2.16	0.01	1.34	0.00	-0.21	-0.00	LC 1-5
				Max M _z	-2.96	-1.15	0.97	-0.00	-0.04	0.64	LC 1-4
				Min M _z	-3.13	1.14	0.93	0.00	-0.02	-0.64	LC 1-5
				Max N	-2.06	-0.02	1.28	0.00	-0.19	0.01	LC 1-4
				Min N	-4.03	0.01	0.62	0.00	0.12	-0.00	LC 1-5
				Max V _y	-3.13	1.14	0.93	0.00	-0.02	-0.64	LC 1-5
				Min V _y	-2.95	-1.15	0.97	-0.00	-0.05	0.64	LC 1-4
				Max V _z	-2.20	0.01	1.34	0.00	-0.21	-0.01	LC 1-4
				Min V _z	-3.88	-0.02	0.56	0.00	0.14	0.01	LC 1-5
				Max M _T	-2.88	0.30	1.00	0.00	-0.06	-0.15	LC 1-5
				Min M _T	-3.20	-0.30	0.90	-0.00	-0.01	0.15	LC 1-4
				Max M _y	-3.92	-0.02	0.56	0.00	0.14	0.01	LC 1-4
				Min M _y	-2.16	0.01	1.34	0.00	-0.21	-0.00	LC 1-5
				Max M _z	-2.96	-1.15	0.97	-0.00	-0.04	0.64	LC 1-4
				Min M _z	-3.13	1.14	0.93	0.00	-0.02	-0.64	LC 1-5
				Max N	-2.05	-0.02	1.67	0.00	0.59	0.02	LC 1-4
				Min N	-4.02	0.01	1.00	0.00	0.56	-0.01	LC 1-5
				Max V _y	-3.12	1.14	1.32	0.00	0.57	-1.21	LC 1-5
				Min V _y	-2.94	-1.15	1.36	-0.00	0.58	1.22	LC 1-4
				Max V _z	-2.19	0.01	1.73	0.00	0.60	-0.01	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z		
243	RC6	119	2.147 Right	Min V _z	-3.88	-0.02	0.95	0.00	0.55	0.02	LC 1-5
				Max M _T	-2.87	0.30	1.39	0.00	0.57	-0.30	LC 1-5
				Min M _T	-3.19	-0.30	1.29	-0.00	0.57	0.31	LC 1-4
				Max M _y	-2.64	0.01	1.63	0.00	0.61	-0.01	LC 1-4
				Min M _y	-3.43	-0.02	1.05	0.00	0.54	0.02	LC 1-5
				Max M _z	-2.95	-1.15	1.36	-0.00	0.58	1.22	LC 1-4
				Min M _z	-3.12	1.14	1.32	0.00	0.57	-1.21	LC 1-5
				Max N	-2.05	-0.02	1.67	0.00	0.59	0.02	LC 1-4
				Min N	-4.02	0.01	1.00	0.00	0.56	-0.01	LC 1-5
				Max V _y	-3.12	1.14	1.32	0.00	0.57	-1.21	LC 1-5
				Min V _y	-2.94	-1.15	1.36	-0.00	0.58	1.22	LC 1-4
				Max V _z	-2.19	0.01	1.73	0.00	0.60	-0.01	LC 1-4
				Min V _z	-3.88	-0.02	0.95	0.00	0.55	0.02	LC 1-5
				Max M _T	-2.87	0.30	1.39	0.00	0.57	-0.30	LC 1-5
				Min M _T	-3.19	-0.30	1.29	-0.00	0.57	0.31	LC 1-4
				Max M _y	-2.64	0.01	1.63	0.00	0.61	-0.01	LC 1-4
				Min M _y	-3.43	-0.02	1.05	0.00	0.54	0.02	LC 1-5
				Max M _z	-2.95	-1.15	1.36	-0.00	0.58	1.22	LC 1-4
				244	RC1	159	0.000 Left	Min M _z	-3.12	1.14	1.32
Max N	-2.26	-0.00	-0.73					0.00	0.21	0.00	CO 14
Min N	-6.47	-0.00	-2.81					0.00	0.93	0.00	CO 3
Max V _y	-2.26	-0.00	-0.73					0.00	0.21	0.00	CO 14
Min V _y	-6.47	-0.00	-2.81					0.00	0.94	0.00	CO 5
Max V _z	-2.26	-0.00	-0.73					0.00	0.21	0.00	CO 10
Min V _z	-6.47	-0.00	-2.81					0.00	0.94	0.00	CO 7
Max M _T	-2.26	-0.00	-0.73					0.00	0.21	0.00	CO 11
Min M _T	-6.47	-0.00	-2.81					0.00	0.94	0.00	CO 7
Max M _y	-6.47	-0.00	-2.81					0.00	0.94	0.00	CO 7
Min M _y	-2.26	-0.00	-0.73					0.00	0.21	0.00	CO 10
Max M _z	-6.47	-0.00	-2.81					0.00	0.93	0.00	CO 6
0.000 Right	Min M _z	-2.26	-0.00				-0.73	0.00	0.21	0.00	CO 13
	Max N	-2.26	-0.00				-0.73	0.00	0.21	0.00	CO 14
	Min N	-6.47	-0.00				-2.81	0.00	0.93	0.00	CO 3
	Max V _y	-2.26	-0.00				-0.73	0.00	0.21	0.00	CO 14
	Min V _y	-6.47	-0.00				-2.81	0.00	0.94	0.00	CO 5
	Max V _z	-2.26	-0.00				-0.73	0.00	0.21	0.00	CO 10
	Min V _z	-6.47	-0.00				-2.81	0.00	0.94	0.00	CO 7
	Max M _T	-2.26	-0.00				-0.73	0.00	0.21	0.00	CO 11
	Min M _T	-6.47	-0.00				-2.81	0.00	0.94	0.00	CO 7
	Max M _y	-6.47	-0.00				-2.81	0.00	0.94	0.00	CO 7
	Min M _y	-2.26	-0.00				-0.73	0.00	0.21	0.00	CO 10
	Max M _z	-6.47	-0.00				-2.81	0.00	0.93	0.00	CO 6
1.604 Left	Min M _z	-2.26	-0.00				-0.73	0.00	0.21	0.00	CO 13
	Max N	-1.64	0.00				0.43	0.00	-0.03	-0.00	CO 14
	Min N	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 3
	Max V _y	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 2
	Min V _y	-1.64	0.00				0.43	0.00	-0.03	0.00	CO 11
	Max V _z	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 4
	Min V _z	-1.64	0.00				0.43	0.00	-0.03	0.00	CO 13
	Max M _T	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 6
	Min M _T	-1.64	0.00				0.43	0.00	-0.03	-0.00	CO 14
	Max M _y	-1.64	0.00				0.43	0.00	-0.03	0.00	CO 9
	Min M _y	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 8
	Max M _z	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 5
1.604 Right	Min M _z	-1.64	0.00				0.43	0.00	-0.03	-0.00	CO 14
	Max N	-1.64	0.00				0.43	0.00	-0.03	-0.00	CO 14
	Min N	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 3
	Max V _y	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 2
	Min V _y	-1.64	0.00				0.43	0.00	-0.03	0.00	CO 11
	Max V _z	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 4
	Min V _z	-1.64	0.00				0.43	0.00	-0.03	0.00	CO 13
	Max M _T	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 6
	Min M _T	-1.64	0.00				0.43	0.00	-0.03	-0.00	CO 14
	Max M _y	-1.64	0.00				0.43	0.00	-0.03	0.00	CO 9
	Min M _y	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 8
	Max M _z	-5.85	0.00				1.61	0.00	-0.04	0.00	CO 5
2.107 Left	Min M _z	-1.64	0.00				0.43	0.00	-0.03	-0.00	CO 14
	Max N	-1.45	0.00				0.79	0.00	0.27	-0.00	CO 14
	Min N	-5.66	0.00				2.47	0.00	1.04	0.00	CO 3
	Max V _y	-5.66	0.00				2.47	0.00	1.04	0.00	CO 2
	Min V _y	-1.45	0.00				0.79	0.00	0.27	0.00	CO 11
	Max V _z	-5.66	0.00				2.47	0.00	1.04	0.00	CO 4
	Min V _z	-1.45	0.00				0.79	0.00	0.27	0.00	CO 13
	Max M _T	-5.66	0.00				2.47	0.00	1.04	0.00	CO 5
	Min M _T	-1.45	0.00				0.79	0.00	0.27	-0.00	CO 14
	Max M _y	-5.66	0.00				2.47	0.00	1.04	0.00	CO 3
	Min M _y	-1.45	0.00				0.79	0.00	0.27	-0.00	CO 14
	Max M _z	-5.66	0.00				2.47	0.00	1.04	0.00	CO 5
2.107 Right	Min M _z	-1.45	0.00				0.79	0.00	0.27	-0.00	CO 14
	Max N	-1.45	0.00				0.79	0.00	0.27	-0.00	CO 14
	Min N	-5.66	0.00				2.47	0.00	1.04	0.00	CO 3
	Max V _y	-5.66	0.00				2.47	0.00	1.04	0.00	CO 2
	Min V _y	-1.45	0.00				0.79	0.00	0.27	0.00	CO 11
	Max V _z	-5.66	0.00				2.47	0.00	1.04	0.00	CO 4
	Min V _z	-1.45	0.00				0.79	0.00	0.27	0.00	CO 13
	Max M _T	-5.66	0.00				2.47	0.00	1.04	0.00	CO 5
	Min M _T	-1.45	0.00				0.79	0.00	0.27	-0.00	CO 14
	Max M _y	-5.66	0.00				2.47	0.00	1.04	0.00	CO 3
	Min M _y	-1.45	0.00				0.79	0.00	0.27	-0.00	CO 14
	Max M _z	-5.66	0.00				2.47	0.00	1.04	0.00	CO 5
RC2	159	0.000	Max N				-1.51	0.00	-0.49	0.00	0.14



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
244	RC2		Left	Min N	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 17
				Max V _y	-1.51	0.00	-0.49	0.00	0.14	0.00	CO 28
				Min V _y	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 19
				Max V _z	-1.52	-0.00	-0.49	0.00	0.14	0.00	CO 24
				Min V _z	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 21
				Max M _T	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 18
				Min M _T	-1.51	0.00	-0.49	0.00	0.14	0.00	CO 28
				Max M _y	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 21
				Min M _y	-1.52	-0.00	-0.49	0.00	0.14	0.00	CO 24
				Max M _z	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 20
			0.000 Right	Min M _z	-1.51	0.00	-0.49	0.00	0.14	0.00	CO 27
				Max N	-1.51	0.00	-0.49	0.00	0.14	0.00	CO 28
				Min N	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 17
				Max V _y	-1.51	0.00	-0.49	0.00	0.14	0.00	CO 28
				Min V _y	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 19
				Max V _z	-1.52	-0.00	-0.49	0.00	0.14	0.00	CO 24
				Min V _z	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 21
				Max M _T	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 18
				Min M _T	-1.51	0.00	-0.49	0.00	0.14	0.00	CO 28
				Max M _y	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 21
			1.604 Left	Min M _y	-1.52	-0.00	-0.49	0.00	0.14	0.00	CO 24
				Max M _z	-4.63	-0.00	-2.03	0.00	0.68	0.00	CO 20
				Min M _z	-1.51	0.00	-0.49	0.00	0.14	0.00	CO 27
				Max N	-1.10	0.00	0.29	0.00	-0.02	-0.00	CO 28
				Min N	-4.22	-0.00	1.16	0.00	-0.02	0.00	CO 17
				Max V _y	-1.10	0.00	0.29	0.00	-0.02	-0.00	CO 28
				Min V _y	-4.21	-0.00	1.16	0.00	-0.02	0.00	CO 19
				Max V _z	-4.22	0.00	1.16	0.00	-0.02	0.00	CO 18
				Min V _z	-1.10	0.00	0.29	0.00	-0.02	-0.00	CO 27
				Max M _T	-4.21	-0.00	1.16	0.00	-0.02	0.00	CO 19
			1.604 Right	Min M _T	-1.10	0.00	0.29	0.00	-0.02	-0.00	CO 28
				Max M _y	-1.10	0.00	0.29	0.00	-0.02	0.00	CO 23
				Min M _y	-4.21	0.00	1.16	0.00	-0.02	0.00	CO 22
				Max M _z	-4.21	-0.00	1.16	0.00	-0.02	0.00	CO 19
				Min M _z	-1.10	0.00	0.29	0.00	-0.02	-0.00	CO 28
				Max N	-1.10	0.00	0.29	0.00	-0.02	-0.00	CO 28
				Min N	-4.22	-0.00	1.16	0.00	-0.02	0.00	CO 17
				Max V _y	-1.10	0.00	0.29	0.00	-0.02	-0.00	CO 28
				Min V _y	-4.21	-0.00	1.16	0.00	-0.02	0.00	CO 19
				Max V _z	-4.22	0.00	1.16	0.00	-0.02	0.00	CO 18
			2.107 Left	Min V _z	-1.10	0.00	0.29	0.00	-0.02	-0.00	CO 27
				Max M _T	-4.21	-0.00	1.16	0.00	-0.02	0.00	CO 19
				Min M _T	-1.10	0.00	0.29	0.00	-0.02	-0.00	CO 28
				Max M _y	-1.10	0.00	0.29	0.00	-0.02	0.00	CO 23
				Min M _y	-4.21	0.00	1.16	0.00	-0.02	0.00	CO 22
				Max M _z	-4.21	-0.00	1.16	0.00	-0.02	0.00	CO 19
				Min M _z	-1.10	0.00	0.29	0.00	-0.02	-0.00	CO 28
				Max N	-0.97	0.00	0.53	0.00	0.18	-0.00	CO 28
				Min N	-4.09	0.00	1.77	0.00	0.75	0.00	CO 17
				Max V _y	-4.08	0.00	1.77	0.00	0.75	0.00	CO 16
			2.107 Right	Min V _y	-0.97	0.00	0.53	0.00	0.18	0.00	CO 25
				Max V _z	-4.09	0.00	1.77	0.00	0.75	0.00	CO 18
				Min V _z	-0.97	0.00	0.53	0.00	0.18	-0.00	CO 27
				Max M _T	-4.09	0.00	1.77	0.00	0.75	0.00	CO 19
				Min M _T	-0.97	0.00	0.53	0.00	0.18	-0.00	CO 28
				Max M _y	-4.09	0.00	1.77	0.00	0.75	0.00	CO 17
				Min M _y	-0.97	0.00	0.53	0.00	0.18	-0.00	CO 28
				Max M _z	-4.09	0.00	1.77	0.00	0.75	0.00	CO 19
				Min M _z	-0.97	0.00	0.53	0.00	0.18	-0.00	CO 28
				Max N	-0.97	0.00	0.53	0.00	0.18	-0.00	CO 28
		119	2.107 Right	Min N	-4.09	0.00	1.77	0.00	0.75	0.00	CO 17
				Max V _y	-4.08	0.00	1.77	0.00	0.75	0.00	CO 16
				Min V _y	-0.97	0.00	0.53	0.00	0.18	0.00	CO 25
				Max V _z	-4.09	0.00	1.77	0.00	0.75	0.00	CO 18
				Min V _z	-0.97	0.00	0.53	0.00	0.18	-0.00	CO 27
				Max M _T	-4.09	0.00	1.77	0.00	0.75	0.00	CO 19
				Min M _T	-0.97	0.00	0.53	0.00	0.18	-0.00	CO 28
				Max M _y	-4.09	0.00	1.77	0.00	0.75	0.00	CO 17
				Min M _y	-0.97	0.00	0.53	0.00	0.18	-0.00	CO 28
				Max M _z	-4.09	0.00	1.77	0.00	0.75	0.00	CO 19
		159	0.000 Left	Min M _z	-0.97	0.00	0.53	0.00	0.18	-0.00	CO 28
				Max N	-2.12	0.02	-1.25	0.00	-0.15	0.03	LC 1-4
				Min N	-4.14	-0.02	-1.91	0.00	1.25	-0.03	LC 1-5
				Max V _y	-3.19	1.35	-1.60	0.00	0.60	1.45	LC 1-4
				Min V _y	-3.07	-1.36	-1.56	-0.00	0.50	-1.45	LC 1-5
				Max V _z	-2.29	0.02	-1.18	0.00	-0.28	0.02	LC 1-4
				Min V _z	-3.97	-0.02	-1.98	0.00	1.38	-0.02	LC 1-5
				Max M _T	-3.15	0.61	-1.57	0.00	0.53	0.66	LC 1-5
				Min M _T	-3.12	-0.61	-1.59	-0.00	0.57	-0.66	LC 1-4
				Max M _y	-3.98	-0.02	-1.98	0.00	1.38	-0.02	LC 1-5
			0.000 Right	Min M _y	-2.28	0.02	-1.18	0.00	-0.28	0.02	LC 1-4
				Max M _z	-3.20	1.35	-1.60	0.00	0.60	1.45	LC 1-5
				Min M _z	-3.07	-1.36	-1.56	-0.00	0.50	-1.45	LC 1-4
				Max N	-2.12	0.02	-1.25	0.00	-0.15	0.03	LC 1-4
				Min N	-4.14	-0.02	-1.91	0.00	1.25	-0.03	LC 1-5
				Max V _y	-3.19	1.35	-1.60	0.00	0.60	1.45	LC 1-4
				Min V _y	-3.07	-1.36	-1.56	-0.00	0.50	-1.45	LC 1-5
				Max V _z	-2.29	0.02	-1.18	0.00	-0.28	0.02	LC 1-4
				Min V _z	-3.97	-0.02	-1.98	0.00	1.38	-0.02	LC 1-5
				Max M _T	-3.15	0.61	-1.57	0.00	0.53	0.66	LC 1-5
				Min M _T	-3.12	-0.61	-1.59	-0.00	0.57	-0.66	LC 1-4
				Max M _y	-3.98	-0.02	-1.98	0.00	1.38	-0.02	LC 1-5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding		
				N	V _y	V _z	M _T	M _y	M _z	Load Cases				
244	RC6		1.604 Left	Min M _y	-2.28	0.02	-1.18	0.00	▷	-0.28	0.02	LC 1-4		
				Max M _z	-3.20	1.35	-1.60	0.00	▷	0.60	▷	1.45	LC 1-5	
				Min M _z	-3.07	-1.36	-1.56	-0.00	▷	0.50	▷	-1.45	LC 1-4	
				Max N	-2.10	0.02	1.22	0.00	▷	-0.17	▷	-0.01	LC 1-4	
				Min N	-4.11	-0.02	0.55	0.00	▷	0.16	▷	0.01	LC 1-5	
				Max V _y	-3.16	1.35	0.86	0.00	▷	0.01	▷	-0.73	LC 1-4	
				Min V _y	-3.04	-1.36	0.91	-0.00	▷	-0.02	▷	0.73	LC 1-5	
				Max V _z	-2.26	0.02	1.29	0.00	▷	-0.19	▷	-0.01	LC 1-4	
				Min V _z	-3.95	-0.02	0.48	0.00	▷	0.18	▷	0.01	LC 1-5	
				Max M _T	-3.12	0.61	0.89	▷	0.00	-0.01	▷	-0.31	LC 1-5	
				Min M _T	-3.09	-0.61	0.88	▷	-0.00	-0.00	▷	0.31	LC 1-4	
				Max M _y	-3.99	-0.01	0.49	▷	0.00	0.18	▷	0.01	LC 1-4	
				Min M _y	-2.22	0.01	1.28	▷	0.00	-0.19	▷	-0.01	LC 1-5	
				Max M _z	-3.05	-1.36	0.91	▷	-0.00	-0.01	▷	0.73	LC 1-5	
				Min M _z	-3.16	1.35	0.86	▷	0.00	0.01	▷	-0.73	LC 1-4	
				1.604 Right	Max N	-2.10	0.02	1.22	▷	0.00	-0.17	▷	-0.01	LC 1-4
					Min N	-4.11	-0.02	0.55	▷	0.00	0.16	▷	0.01	LC 1-5
					Max V _y	-3.16	1.35	0.86	▷	0.00	0.01	▷	-0.73	LC 1-4
					Min V _y	-3.04	-1.36	0.91	▷	-0.00	-0.02	▷	0.73	LC 1-5
					Max V _z	-2.26	0.02	1.29	▷	0.00	-0.19	▷	-0.01	LC 1-4
					Min V _z	-3.95	-0.02	0.48	▷	0.00	0.18	▷	0.01	LC 1-5
			Max M _T		-3.12	0.61	0.89	▷	0.00	-0.01	▷	-0.31	LC 1-5	
			Min M _T		-3.09	-0.61	0.88	▷	-0.00	-0.00	▷	0.31	LC 1-4	
			Max M _y		-3.99	-0.01	0.49	▷	0.00	0.18	▷	0.01	LC 1-4	
			Min M _y		-2.22	0.01	1.28	▷	0.00	-0.19	▷	-0.01	LC 1-5	
			Max M _z		-3.05	-1.36	0.91	▷	-0.00	-0.01	▷	0.73	LC 1-5	
			Min M _z		-3.16	1.35	0.86	▷	0.00	0.01	▷	-0.73	LC 1-4	
			2.107 Left	Max N	-2.09	0.02	1.61	▷	0.00	0.58	▷	-0.02	LC 1-4	
				Min N	-4.11	-0.02	0.94	▷	0.00	0.57	▷	0.03	LC 1-5	
				Max V _y	-3.16	1.35	1.25	▷	0.00	0.57	▷	-1.41	LC 1-4	
				Min V _y	-3.04	-1.36	1.30	▷	-0.00	0.57	▷	1.41	LC 1-5	
				Max V _z	-2.25	0.02	1.68	▷	0.00	0.59	▷	-0.02	LC 1-4	
				Min V _z	-3.94	-0.02	0.87	▷	0.00	0.55	▷	0.02	LC 1-5	
				Max M _T	-3.11	0.61	1.28	▷	0.00	0.57	▷	-0.62	LC 1-5	
				Min M _T	-3.08	-0.61	1.27	▷	-0.00	0.57	▷	0.62	LC 1-4	
				Max M _y	-2.87	0.08	1.53	▷	0.00	0.60	▷	-0.08	LC 1-4	
				Min M _y	-3.32	-0.08	1.02	▷	0.00	0.54	▷	0.08	LC 1-5	
				Max M _z	-3.04	-1.36	1.30	▷	-0.00	0.57	▷	1.41	LC 1-5	
				Min M _z	-3.15	1.35	1.25	▷	0.00	0.57	▷	-1.41	LC 1-4	
			119	2.107 Right	Max N	-2.09	0.02	1.61	▷	0.00	0.58	▷	-0.02	LC 1-4
					Min N	-4.11	-0.02	0.94	▷	0.00	0.57	▷	0.03	LC 1-5
					Max V _y	-3.16	1.35	1.25	▷	0.00	0.57	▷	-1.41	LC 1-4
		Min V _y			-3.04	-1.36	1.30	▷	-0.00	0.57	▷	1.41	LC 1-5	
		Max V _z			-2.25	0.02	1.68	▷	0.00	0.59	▷	-0.02	LC 1-4	
		Min V _z			-3.94	-0.02	0.87	▷	0.00	0.55	▷	0.02	LC 1-5	
		Max M _T			-3.11	0.61	1.28	▷	0.00	0.57	▷	-0.62	LC 1-5	
		Min M _T			-3.08	-0.61	1.27	▷	-0.00	0.57	▷	0.62	LC 1-4	
		Max M _y			-2.87	0.08	1.53	▷	0.00	0.60	▷	-0.08	LC 1-4	
		Min M _y			-3.32	-0.08	1.02	▷	0.00	0.54	▷	0.08	LC 1-5	
		Max M _z			-3.04	-1.36	1.30	▷	-0.00	0.57	▷	1.41	LC 1-5	
		Min M _z			-3.15	1.35	1.25	▷	0.00	0.57	▷	-1.41	LC 1-4	
245	RC1	160	0.000	Max N	-3.19	0.00	0.09	-0.00	▷	0.00	▷	0.00	CO 9	
				Min N	-12.04	0.00	0.11	-0.00	▷	0.00	▷	0.00	CO 8	
				Max V _y	-12.04	0.00	0.11	-0.00	▷	0.00	▷	0.00	CO 6	
				Min V _y	-3.20	0.00	0.09	-0.00	▷	0.00	▷	0.00	CO 13	
				Max V _z	-12.04	0.00	0.11	-0.00	▷	0.00	▷	0.00	CO 7	
				Min V _z	-3.19	0.00	0.09	-0.00	▷	0.00	▷	0.00	CO 9	
				Max M _T	-12.04	0.00	0.11	-0.00	▷	0.00	▷	0.00	CO 3	
				Min M _T	-3.20	0.00	0.09	-0.00	▷	0.00	▷	0.00	CO 14	
				Max M _y	-12.04	0.00	0.11	-0.00	▷	0.00	▷	0.00	CO 1	
				Min M _y	-12.04	0.00	0.11	-0.00	▷	0.00	▷	0.00	CO 1	
				Max M _z	-3.19	0.00	0.09	-0.00	▷	0.00	▷	0.00	CO 9	
				Min M _z	-12.04	0.00	0.11	-0.00	▷	0.00	▷	0.00	CO 1	
		161	3.755	Max N	-3.19	-0.00	-0.09	-0.00	▷	0.00	▷	-0.00	CO 9	
				Min N	-12.04	-0.00	-0.11	-0.00	▷	0.00	▷	-0.00	CO 8	
				Max V _y	-3.20	-0.00	-0.09	-0.00	▷	0.00	▷	-0.00	CO 13	
				Min V _y	-12.04	-0.00	-0.11	-0.00	▷	0.00	▷	-0.00	CO 6	
				Max V _z	-3.19	-0.00	-0.09	-0.00	▷	0.00	▷	-0.00	CO 9	
				Min V _z	-12.04	-0.00	-0.11	-0.00	▷	0.00	▷	-0.00	CO 8	
				Max M _T	-12.04	-0.00	-0.11	-0.00	▷	0.00	▷	-0.00	CO 3	
				Min M _T	-3.20	-0.00	-0.09	-0.00	▷	0.00	▷	-0.00	CO 14	
				Max M _y	-12.04	-0.00	-0.11	-0.00	▷	0.00	▷	-0.00	CO 1	
				Min M _y	-12.04	-0.00	-0.11	-0.00	▷	0.00	▷	-0.00	CO 1	
				Max M _z	-3.19	-0.00	-0.09	-0.00	▷	0.00	▷	-0.00	CO 9	
				Min M _z	-12.04	-0.00	-0.11	-0.00	▷	0.00	▷	-0.00	CO 1	
	RC2	160	0.000	Max N	-2.16	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 23	
				Min N	-8.71	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 22	
				Max V _y	-8.71	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 17	
				Min V _y	-2.16	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 27	
				Max V _z	-8.71	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 17	
				Min V _z	-2.16	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 23	
				Max M _T	-8.71	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 17	
				Min M _T	-2.16	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 28	
				Max M _y	-8.71	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 15	
				Min M _y	-8.71	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 15	
				Max M _z	-8.71	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 15	
				Min M _z	-8.71	0.00	0.07	-0.00	▷	0.00	▷	0.00	CO 15	
		161	3.755	Max N	-2.16	-0.00	-0.07	-0.00	▷	0.00	▷	-0.00	CO 23	
				Min N	-8.71	-0.00	-0.07	-0.00	▷	0.00	▷	-0.00	CO 22	
				Max V _y	-2.16	-0.00	-0.07	-0.00	▷	0.00	▷	-0.00	CO 27	
				Min V _y	-8.71	-0.00	-0.07	-0.00	▷	0.00	▷	-0.00	CO 18	
				Max V _z	-2.16	-0.00	-0.07	-0.00	▷	0.00	▷	-0.00	CO 23	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
245	RC2			Min V _z	-8.71	-0.00	▷ -0.07	-0.00	0.00	-0.00	CO 22
				Max M _T	-8.71	-0.00	▷ -0.07	-0.00	0.00	-0.00	CO 17
				Min M _T	-2.16	-0.00	▷ -0.07	-0.00	0.00	-0.00	CO 28
				Max M _y	-8.71	-0.00	▷ -0.07	-0.00	▷ 0.00	-0.00	CO 15
				Min M _y	-8.71	-0.00	▷ -0.07	-0.00	▷ 0.00	-0.00	CO 15
				Max M _z	-2.16	-0.00	▷ -0.07	-0.00	0.00	▷ -0.00	CO 23
				Min M _z	-8.71	-0.00	▷ -0.07	-0.00	0.00	▷ -0.00	CO 15
	RC6	160	0.000	Max N	▷ -6.85	0.00	0.07	-0.00	0.00	▷ 0.00	LC 1-4
				Min N	▷ -6.91	0.00	0.07	-0.00	0.00	▷ 0.00	LC 1-5
				Max V _y	▷ -6.88	0.00	0.07	-0.00	0.00	▷ 0.00	LC 1-4
				Min V _y	▷ -6.88	0.00	0.07	-0.00	0.00	▷ 0.00	LC 1-4
				Max V _z	▷ -6.88	0.00	▷ 0.07	-0.00	0.00	▷ 0.00	LC 1-4
				Min V _z	▷ -6.88	0.00	▷ 0.07	-0.00	0.00	▷ 0.00	LC 1-4
				Max M _T	▷ -6.87	0.00	0.07	▷ 0.00	0.00	▷ 0.00	LC 1-5
				Min M _T	▷ -6.88	0.00	0.07	▷ -0.00	0.00	▷ 0.00	LC 1-4
				Max M _y	▷ -6.88	0.00	0.07	▷ -0.00	0.00	▷ 0.00	LC 1-4
				Min M _y	▷ -6.88	0.00	0.07	▷ -0.00	0.00	▷ 0.00	LC 1-4
				Max M _z	▷ -6.88	0.00	0.07	▷ -0.00	0.00	▷ 0.00	LC 1-4
				Min M _z	▷ -6.88	0.00	0.07	▷ -0.00	0.00	▷ 0.00	LC 1-4
		161	3.755	Max N	▷ -6.85	0.00	-0.07	-0.00	0.00	▷ 0.00	LC 1-4
				Min N	▷ -6.91	0.00	-0.07	-0.00	0.00	▷ 0.00	LC 1-5
				Max V _y	▷ -6.88	▷ 0.00	-0.07	-0.00	0.00	▷ 0.00	LC 1-4
				Min V _y	▷ -6.88	▷ 0.00	-0.07	-0.00	0.00	▷ 0.00	LC 1-4
				Max V _z	▷ -6.88	0.00	▷ -0.07	-0.00	0.00	▷ 0.00	LC 1-4
				Min V _z	▷ -6.88	0.00	▷ -0.07	-0.00	0.00	▷ 0.00	LC 1-4
				Max M _T	▷ -6.87	0.00	-0.07	▷ 0.00	0.00	▷ 0.00	LC 1-5
				Min M _T	▷ -6.88	0.00	-0.07	▷ -0.00	0.00	▷ 0.00	LC 1-4
				Max M _y	▷ -6.88	0.00	-0.07	▷ -0.00	0.00	▷ 0.00	LC 1-4
				Min M _y	▷ -6.88	0.00	-0.07	▷ -0.00	0.00	▷ 0.00	LC 1-4
				Max M _z	▷ -6.88	0.00	-0.07	▷ -0.00	0.00	▷ 0.00	LC 1-4
				Min M _z	▷ -6.88	0.00	-0.07	▷ -0.00	0.00	▷ 0.00	LC 1-4
246	RC1	160	0.000 Left	Max N	▷ -2.19	0.00	-0.69	-0.00	0.26	-0.00	CO 14
				Min N	▷ -6.21	0.00	-2.77	0.00	0.89	-0.00	CO 5
				Max V _y	▷ -6.21	▷ 0.00	-2.77	0.00	0.89	-0.00	CO 6
				Min V _y	▷ -2.19	▷ 0.00	-0.69	-0.00	0.26	-0.00	CO 9
				Max V _z	▷ -2.19	0.00	▷ -0.69	-0.00	0.26	-0.00	CO 9
				Min V _z	▷ -6.21	0.00	-2.77	0.00	0.89	-0.00	CO 8
				Max M _T	▷ -6.21	0.00	-2.77	▷ 0.00	0.89	-0.00	CO 6
				Min M _T	▷ -2.19	0.00	-0.69	▷ -0.00	0.26	-0.00	CO 14
				Max M _y	▷ -6.21	0.00	-2.77	0.00	▷ 0.89	-0.00	CO 8
				Min M _y	▷ -2.19	0.00	-0.69	-0.00	▷ 0.26	-0.00	CO 9
				Max M _z	▷ -2.19	0.00	-0.69	-0.00	▷ 0.26	-0.00	CO 13
				Min M _z	▷ -6.21	0.00	-2.77	0.00	▷ 0.89	-0.00	CO 6
			0.000 Right	Max N	▷ -2.19	0.00	-0.69	-0.00	0.26	-0.00	CO 14
				Min N	▷ -6.21	0.00	-2.77	0.00	0.89	-0.00	CO 5
				Max V _y	▷ -6.21	▷ 0.00	-2.77	0.00	0.89	-0.00	CO 6
				Min V _y	▷ -2.19	▷ 0.00	-0.69	-0.00	0.26	-0.00	CO 9
				Max V _z	▷ -2.19	0.00	▷ -0.69	-0.00	0.26	-0.00	CO 9
				Min V _z	▷ -6.21	0.00	-2.77	0.00	0.89	-0.00	CO 8
				Max M _T	▷ -6.21	0.00	-2.77	▷ 0.00	0.89	-0.00	CO 6
				Min M _T	▷ -2.19	0.00	-0.69	▷ -0.00	0.26	-0.00	CO 14
				Max M _y	▷ -6.21	0.00	-2.77	0.00	▷ 0.89	-0.00	CO 8
				Min M _y	▷ -2.19	0.00	-0.69	-0.00	▷ 0.26	-0.00	CO 9
				Max M _z	▷ -2.19	0.00	-0.69	-0.00	▷ 0.26	-0.00	CO 13
				Min M _z	▷ -6.21	0.00	-2.77	0.00	▷ 0.89	-0.00	CO 6
			1.644 Left	Max N	▷ -1.63	0.00	0.37	-0.00	0.00	-0.00	CO 14
				Min N	▷ -5.65	0.00	1.65	-0.00	-0.05	-0.01	CO 5
				Max V _y	▷ -5.65	▷ 0.00	1.65	-0.00	-0.05	-0.01	CO 6
				Min V _y	▷ -1.63	▷ 0.00	0.37	-0.00	0.00	-0.00	CO 13
				Max V _z	▷ -5.65	0.00	▷ 1.65	-0.00	-0.05	-0.01	CO 3
				Min V _z	▷ -1.63	0.00	▷ 0.37	-0.00	0.00	-0.00	CO 14
				Max M _T	▷ -1.63	0.00	0.37	▷ -0.00	0.00	-0.00	CO 11
				Min M _T	▷ -5.65	0.00	1.65	▷ -0.00	-0.05	-0.01	CO 8
				Max M _y	▷ -1.63	0.00	0.37	-0.00	▷ 0.00	-0.00	CO 10
				Min M _y	▷ -5.65	0.00	1.65	-0.00	▷ -0.05	-0.01	CO 5
				Max M _z	▷ -1.63	0.00	0.37	-0.00	▷ 0.00	-0.00	CO 13
				Min M _z	▷ -5.65	0.00	1.65	-0.00	▷ -0.05	-0.01	CO 6
			1.644 Right	Max N	▷ -1.63	0.00	0.37	-0.00	0.00	-0.00	CO 14
				Min N	▷ -5.65	0.00	1.65	-0.00	-0.05	-0.01	CO 5
				Max V _y	▷ -5.65	▷ 0.00	1.65	-0.00	-0.05	-0.01	CO 6
				Min V _y	▷ -1.63	▷ 0.00	0.37	-0.00	0.00	-0.00	CO 13
				Max V _z	▷ -5.65	0.00	▷ 1.65	-0.00	-0.05	-0.01	CO 3
				Min V _z	▷ -1.63	0.00	▷ 0.37	-0.00	0.00	-0.00	CO 14
				Max M _T	▷ -1.63	0.00	0.37	▷ -0.00	0.00	-0.00	CO 11
				Min M _T	▷ -5.65	0.00	1.65	▷ -0.00	-0.05	-0.01	CO 8
				Max M _y	▷ -1.63	0.00	0.37	-0.00	▷ 0.00	-0.00	CO 10
				Min M _y	▷ -5.65	0.00	1.65	-0.00	▷ -0.05	-0.01	CO 5
				Max M _z	▷ -1.63	0.00	0.37	-0.00	▷ 0.00	-0.00	CO 13
				Min M _z	▷ -5.65	0.00	1.65	-0.00	▷ -0.05	-0.01	CO 6
			2.147 Left	Max N	▷ -1.46	0.00	0.69	-0.00	0.27	-0.01	CO 14
				Min N	▷ -5.48	0.00	2.46	-0.00	1.03	-0.01	CO 5
				Max V _y	▷ -5.48	0.00	2.46	-0.00	1.03	-0.01	CO 6
				Min V _y	▷ -1.46	▷ 0.00	0.69	-0.00	0.27	-0.01	CO 13
				Max V _z	▷ -5.48	0.00	▷ 2.46	-0.00	1.03	-0.01	CO 3
				Min V _z	▷ -1.46	0.00	▷ 0.69	-0.00	0.27	-0.01	CO 14
				Max M _T	▷ -1.46	0.00	0.69	▷ -0.00	0.27	-0.01	CO 9
				Min M _T	▷ -5.48	0.00	2.46	▷ -0.00	1.03	-0.01	CO 8
				Max M _y	▷ -5.48	0.00	2.46	-0.00	▷ 1.03	-0.01	CO 3
				Min M _y	▷ -1.46	0.00	0.69	-0.00	▷ 0.27	-0.01	CO 14
				Max M _z	▷ -1.46	0.00	0.69	-0.00	▷ 0.27	-0.01	CO 13
				Min M _z	▷ -5.48	0.00	2.46	-0.00	▷ 1.03	-0.01	CO 6
		118	2.147	Max N	▷ -1.46	0.00	0.69	-0.00	0.27	-0.01	CO 14



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
246	RC1		Right	Min N	▷ -5.48	0.00	2.46	-0.00	1.03	-0.01	CO 5
				Max V _y	▷ -5.48	0.00	2.46	-0.00	1.03	-0.01	CO 6
				Min V _y	▷ -1.46	0.00	0.69	-0.00	0.27	-0.01	CO 13
				Max V _z	▷ -5.48	0.00	2.46	-0.00	1.03	-0.01	CO 3
				Min V _z	▷ -1.46	0.00	0.69	-0.00	0.27	-0.01	CO 14
				Max M _T	▷ -1.46	0.00	0.69	▷ -0.00	0.27	-0.01	CO 9
				Min M _T	▷ -5.48	0.00	2.46	▷ -0.00	1.03	-0.01	CO 8
				Max M _y	▷ -5.48	0.00	2.46	-0.00	1.03	-0.01	CO 3
				Min M _y	▷ -1.46	0.00	0.69	-0.00	0.27	-0.01	CO 14
				Max M _z	▷ -1.46	0.00	0.69	-0.00	0.27	-0.01	CO 13
	RC2	160	0.000 Left	Min M _z	▷ -5.48	0.00	2.46	-0.00	1.03	-0.01	CO 6
				Max N	▷ -1.46	0.00	-0.46	-0.00	0.18	-0.00	CO 28
				Min N	▷ -4.44	0.00	-2.00	0.00	0.64	-0.00	CO 19
				Max V _y	▷ -4.44	0.00	-2.00	0.00	0.64	-0.00	CO 20
				Min V _y	▷ -1.46	0.00	-0.46	-0.00	0.18	-0.00	CO 23
				Max V _z	▷ -1.46	0.00	-0.46	-0.00	0.18	-0.00	CO 23
				Min V _z	▷ -4.44	0.00	-2.00	0.00	0.64	-0.00	CO 22
				Max M _T	▷ -4.44	0.00	-2.00	▷ 0.00	0.64	-0.00	CO 20
				Min M _T	▷ -1.46	0.00	-0.46	▷ -0.00	0.18	-0.00	CO 28
				Max M _y	▷ -4.44	0.00	-2.00	▷ 0.00	0.64	-0.00	CO 22
			0.000 Right	Min M _y	▷ -1.46	0.00	-0.46	▷ -0.00	0.18	-0.00	CO 23
				Max M _z	▷ -1.46	0.00	-0.46	-0.00	0.18	-0.00	CO 27
				Min M _z	▷ -4.44	0.00	-2.00	0.00	0.64	-0.00	CO 20
				Max N	▷ -1.46	0.00	-0.46	-0.00	0.18	-0.00	CO 28
				Min N	▷ -4.44	0.00	-2.00	-0.00	0.64	-0.00	CO 19
				Max V _y	▷ -4.44	0.00	-2.00	0.00	0.64	-0.00	CO 20
				Min V _y	▷ -1.46	0.00	-0.46	-0.00	0.18	-0.00	CO 23
				Max V _z	▷ -1.46	0.00	-0.46	-0.00	0.18	-0.00	CO 23
				Min V _z	▷ -4.44	0.00	-2.00	0.00	0.64	-0.00	CO 22
				Max M _T	▷ -4.44	0.00	-2.00	▷ 0.00	0.64	-0.00	CO 20
			1.644 Left	Min M _T	▷ -1.46	0.00	-0.46	▷ -0.00	0.18	-0.00	CO 28
				Max M _y	▷ -4.44	0.00	-2.00	▷ 0.00	0.64	-0.00	CO 22
				Min M _y	▷ -1.46	0.00	-0.46	▷ -0.00	0.18	-0.00	CO 23
				Max M _z	▷ -1.46	0.00	-0.46	-0.00	0.18	-0.00	CO 27
				Min M _z	▷ -4.44	0.00	-2.00	0.00	0.64	-0.00	CO 20
				Max N	▷ -1.09	0.00	0.25	-0.00	0.00	-0.00	CO 28
				Min N	▷ -4.07	0.00	1.19	-0.00	-0.03	-0.01	CO 19
				Max V _y	▷ -4.07	0.00	1.19	-0.00	-0.03	-0.01	CO 20
				Min V _y	▷ -1.09	0.00	0.25	-0.00	0.00	-0.00	CO 27
				Max V _z	▷ -4.07	0.00	1.19	-0.00	-0.03	-0.01	CO 17
			1.644 Right	Min V _z	▷ -1.09	0.00	0.25	-0.00	0.00	-0.00	CO 28
				Max M _T	▷ -1.09	0.00	0.25	▷ -0.00	0.00	-0.00	CO 25
				Min M _T	▷ -4.07	0.00	1.19	▷ -0.00	-0.03	-0.01	CO 22
				Max M _y	▷ -1.09	0.00	0.25	-0.00	0.00	-0.00	CO 24
				Min M _y	▷ -4.07	0.00	1.19	-0.00	-0.03	-0.01	CO 19
				Max M _z	▷ -1.09	0.00	0.25	-0.00	0.00	-0.00	CO 27
				Min M _z	▷ -4.07	0.00	1.19	-0.00	-0.03	-0.01	CO 20
				Max N	▷ -1.09	0.00	0.25	-0.00	0.00	-0.00	CO 28
				Min N	▷ -4.07	0.00	1.19	-0.00	-0.03	-0.01	CO 19
				Max V _y	▷ -4.07	0.00	1.19	-0.00	-0.03	-0.01	CO 20
			2.147 Left	Min V _y	▷ -1.09	0.00	0.25	-0.00	0.00	-0.00	CO 27
				Max V _z	▷ -4.07	0.00	1.19	-0.00	-0.03	-0.01	CO 17
				Min V _z	▷ -1.09	0.00	0.25	-0.00	0.00	-0.00	CO 28
				Max M _T	▷ -1.09	0.00	0.25	▷ -0.00	0.00	-0.00	CO 25
				Min M _T	▷ -4.07	0.00	1.19	▷ -0.00	-0.03	-0.01	CO 22
				Max M _y	▷ -1.09	0.00	0.25	-0.00	0.00	-0.00	CO 24
				Min M _y	▷ -4.07	0.00	1.19	-0.00	-0.03	-0.01	CO 19
				Max M _z	▷ -1.09	0.00	0.25	-0.00	0.00	-0.00	CO 27
				Min M _z	▷ -4.07	0.00	1.19	-0.00	-0.03	-0.01	CO 20
				Max N	▷ -0.97	0.00	0.47	-0.00	0.18	-0.00	CO 28
			2.147 Right	Min N	▷ -3.96	0.00	1.78	-0.00	0.75	-0.01	CO 19
				Max V _y	▷ -3.96	0.00	1.78	-0.00	0.75	-0.01	CO 20
				Min V _y	▷ -0.97	0.00	0.47	-0.00	0.18	-0.00	CO 27
				Max V _z	▷ -3.96	0.00	1.78	-0.00	0.75	-0.01	CO 17
				Min V _z	▷ -0.97	0.00	0.47	-0.00	0.18	-0.00	CO 28
				Max M _T	▷ -0.97	0.00	0.47	▷ -0.00	0.18	-0.00	CO 23
				Min M _T	▷ -3.96	0.00	1.78	▷ -0.00	0.75	-0.01	CO 22
				Max M _y	▷ -3.96	0.00	1.78	-0.00	0.75	-0.01	CO 17
				Min M _y	▷ -0.97	0.00	0.47	-0.00	0.18	-0.00	CO 28
				Max M _z	▷ -0.97	0.00	0.47	-0.00	0.18	-0.00	CO 27
			118 2.147 Right	Min M _z	▷ -3.96	0.00	1.78	-0.00	0.75	-0.01	CO 20
				Max N	▷ -0.97	0.00	0.47	-0.00	0.18	-0.00	CO 28
				Min N	▷ -3.96	0.00	1.78	-0.00	0.75	-0.01	CO 19
				Max V _y	▷ -3.96	0.00	1.78	-0.00	0.75	-0.01	CO 20
				Min V _y	▷ -0.97	0.00	0.47	-0.00	0.18	-0.00	CO 27
				Max V _z	▷ -3.96	0.00	1.78	-0.00	0.75	-0.01	CO 17
				Min V _z	▷ -0.97	0.00	0.47	-0.00	0.18	-0.00	CO 28
				Max M _T	▷ -0.97	0.00	0.47	▷ -0.00	0.18	-0.00	CO 23
				Min M _T	▷ -3.96	0.00	1.78	▷ -0.00	0.75	-0.01	CO 22
				Max M _y	▷ -3.96	0.00	1.78	-0.00	0.75	-0.01	CO 17
			RC6 160 0.000 Left	Min M _y	▷ -0.97	0.00	0.47	-0.00	0.18	-0.00	CO 28
				Max M _z	▷ -0.97	0.00	0.47	-0.00	0.18	-0.00	CO 27
				Min M _z	▷ -3.96	0.00	1.78	-0.00	0.75	-0.01	CO 20
				Max N	▷ -1.71	-0.27	-1.45	-0.00	0.22	-0.30	LC 1-4
				Min N	▷ -4.25	0.28	-1.71	0.00	0.75	0.30	LC 1-5
				Max V _y	▷ -3.49	0.76	-1.60	0.00	0.52	0.82	LC 1-5
				Min V _y	▷ -2.47	-0.75	-1.56	-0.00	0.44	-0.82	LC 1-4
				Max V _z	▷ -2.08	0.01	-1.22	-0.00	-0.27	0.01	LC 1-4
				Min V _z	▷ -3.88	-0.00	-1.94	-0.00	1.23	-0.01	LC 1-5
				Max M _T	▷ -3.24	0.20	-1.52	▷ 0.00	0.36	0.22	LC 1-5
				Min M _T	▷ -2.72	-0.19	-1.64	▷ -0.00	0.60	-0.22	LC 1-4
				Max M _y	▷ -3.88	-0.00	-1.94	▷ -0.00	1.23	-0.01	LC 1-5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
246	RC6		0.000 Right	Min M _y	-2.08	0.01	-1.22	-0.00	-0.27	0.01	LC 1-4
				Max M _z	-3.50	0.76	-1.60	0.00	0.52	0.82	LC 1-4
				Min M _z	-2.46	-0.75	-1.56	-0.00	0.44	-0.82	LC 1-5
				Max N	-1.71	-0.27	-1.45	-0.00	0.22	-0.30	LC 1-4
				Min N	-4.25	0.28	-1.71	0.00	0.74	0.30	LC 1-5
				Max V _y	-3.49	0.76	-1.60	0.00	0.52	0.82	LC 1-5
				Min V _y	-2.47	-0.75	-1.56	-0.00	0.44	-0.82	LC 1-4
				Max V _z	-2.08	0.01	-1.22	-0.00	-0.27	0.01	LC 1-4
				Min V _z	-3.88	-0.00	-1.94	-0.00	1.23	-0.01	LC 1-5
				Max M _T	-3.24	0.20	-1.52	0.00	0.36	0.22	LC 1-5
				Min M _T	-2.72	-0.19	-1.64	-0.00	0.60	-0.22	LC 1-4
				Max M _y	-3.88	-0.00	-1.94	-0.00	1.23	-0.01	LC 1-5
				Min M _y	-2.08	0.01	-1.22	-0.00	-0.27	0.01	LC 1-4
				Max M _z	-3.50	0.76	-1.60	0.00	0.52	0.82	LC 1-4
				Min M _z	-2.46	-0.75	-1.56	-0.00	0.44	-0.82	LC 1-5
			1.644 Left	Max N	-1.68	-0.27	1.08	-0.00	-0.09	0.14	LC 1-4
				Min N	-4.23	0.28	0.82	0.00	0.02	-0.16	LC 1-5
				Max V _y	-3.47	0.76	0.93	0.00	-0.03	-0.43	LC 1-5
				Min V _y	-2.44	-0.75	0.97	-0.00	-0.04	0.42	LC 1-4
				Max V _z	-2.06	0.01	1.31	-0.00	-0.19	-0.01	LC 1-4
				Min V _z	-3.85	-0.00	0.59	-0.00	0.12	-0.00	LC 1-5
				Max M _T	-3.21	0.20	1.00	0.00	-0.06	-0.11	LC 1-5
				Min M _T	-2.70	-0.19	0.89	-0.00	-0.01	0.09	LC 1-4
				Max M _y	-3.85	-0.01	0.59	-0.00	0.12	-0.00	LC 1-4
				Min M _y	-2.05	0.01	1.31	-0.00	-0.19	-0.01	LC 1-5
				Max M _z	-2.45	-0.75	0.97	-0.00	-0.04	0.42	LC 1-4
				Min M _z	-3.45	0.76	0.93	0.00	-0.03	-0.43	LC 1-5
			1.644 Right	Max N	-1.68	-0.27	1.08	-0.00	-0.09	0.14	LC 1-4
				Min N	-4.23	0.28	0.82	0.00	0.02	-0.16	LC 1-5
				Max V _y	-3.47	0.76	0.93	0.00	-0.03	-0.43	LC 1-5
				Min V _y	-2.44	-0.75	0.97	-0.00	-0.04	0.42	LC 1-4
				Max V _z	-2.06	0.01	1.31	-0.00	-0.19	-0.01	LC 1-4
				Min V _z	-3.85	-0.00	0.59	-0.00	0.12	-0.00	LC 1-5
				Max M _T	-3.21	0.20	1.00	0.00	-0.06	-0.11	LC 1-5
				Min M _T	-2.70	-0.19	0.89	-0.00	-0.01	0.09	LC 1-4
				Max M _y	-3.85	-0.01	0.59	-0.00	0.12	-0.00	LC 1-4
				Min M _y	-2.05	0.01	1.31	-0.00	-0.19	-0.01	LC 1-5
				Max M _z	-2.45	-0.75	0.97	-0.00	-0.04	0.42	LC 1-4
				Min M _z	-3.45	0.76	0.93	0.00	-0.03	-0.43	LC 1-5
			2.147 Left	Max N	-1.67	-0.27	1.47	-0.00	0.58	0.28	LC 1-4
				Min N	-4.22	0.28	1.21	0.00	0.56	-0.30	LC 1-5
				Max V _y	-3.46	0.76	1.32	0.00	0.57	-0.81	LC 1-5
				Min V _y	-2.43	-0.75	1.36	-0.00	0.57	0.79	LC 1-4
				Max V _z	-2.05	0.01	1.70	-0.00	0.60	-0.02	LC 1-4
				Min V _z	-3.84	-0.00	0.98	-0.00	0.54	-0.00	LC 1-5
				Max M _T	-3.20	0.20	1.39	0.00	0.58	-0.21	LC 1-5
				Min M _T	-2.69	-0.19	1.28	-0.00	0.57	0.19	LC 1-4
				Max M _y	-2.20	-0.01	1.64	-0.00	0.60	0.01	LC 1-4
				Min M _y	-3.69	0.02	1.03	-0.00	0.54	-0.03	LC 1-5
				Max M _z	-2.44	-0.75	1.36	-0.00	0.57	0.79	LC 1-4
				Min M _z	-3.45	0.76	1.32	0.00	0.57	-0.81	LC 1-5
		118	2.147 Right	Max N	-1.67	-0.27	1.47	-0.00	0.58	0.28	LC 1-4
				Min N	-4.22	0.28	1.21	0.00	0.56	-0.30	LC 1-5
				Max V _y	-3.46	0.76	1.32	0.00	0.57	-0.81	LC 1-5
				Min V _y	-2.43	-0.75	1.36	-0.00	0.57	0.79	LC 1-4
				Max V _z	-2.05	0.01	1.70	-0.00	0.60	-0.02	LC 1-4
				Min V _z	-3.84	-0.00	0.98	-0.00	0.54	-0.00	LC 1-5
				Max M _T	-3.20	0.20	1.39	0.00	0.58	-0.21	LC 1-5
				Min M _T	-2.69	-0.19	1.28	-0.00	0.57	0.19	LC 1-4
				Max M _y	-2.20	-0.01	1.64	-0.00	0.60	0.01	LC 1-4
				Min M _y	-3.69	0.02	1.03	-0.00	0.54	-0.03	LC 1-5
				Max M _z	-2.44	-0.75	1.36	-0.00	0.57	0.79	LC 1-4
				Min M _z	-3.45	0.76	1.32	0.00	0.57	-0.81	LC 1-5
247	RC1	161	0.000 Left	Max N	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 9
				Min N	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 6
				Max V _y	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 14
				Min V _y	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 5
				Max V _z	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 10
				Min V _z	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 7
				Max M _T	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 9
				Min M _T	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 7
				Max M _y	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 7
				Min M _y	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 10
				Max M _z	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 6
				Min M _z	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 13
			0.000 Right	Max N	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 9
				Min N	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 6
				Max V _y	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 14
				Min V _y	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 5
				Max V _z	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 10
				Min V _z	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 7
				Max M _T	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 9
				Min M _T	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 7
				Max M _y	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 7
				Min M _y	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 10
				Max M _z	-6.40	-0.00	-2.81	-0.00	0.94	0.00	CO 6
				Min M _z	-2.25	-0.00	-0.73	-0.00	0.21	0.00	CO 13
			1.604 Left	Max N	-1.63	-0.00	0.43	-0.00	-0.03	0.00	CO 9
				Min N	-5.78	-0.00	1.62	-0.00	-0.03	0.00	CO 6
				Max V _y	-1.63	-0.00	0.43	-0.00	-0.03	0.00	CO 14
				Min V _y	-5.78	-0.00	1.62	-0.00	-0.03	0.01	CO 5
				Max V _z	-5.78	-0.00	1.62	-0.00	-0.03	0.00	CO 4

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member	RC	Node	Location		Forces [kN]			Moments [kNm]			Corresponding							
No.		No.	x [m]		N	V _y	V _z	M _T	M _y	M _z	Load Cases							
247	RC1			1.604 Right	Min V _z	-1.63	-0.00	▷	0.43	-0.00	-0.03	0.00	CO 13					
					Max M _T	-1.63	-0.00		0.43	-0.00	-0.03	0.00	CO 9					
					Min M _T	-5.78	-0.00	▷	1.62	-0.00	-0.03	0.00	CO 7					
					Max M _y	-5.78	-0.00		1.62	-0.00	-0.03	0.00	CO 3					
					Min M _y	-1.63	-0.00	▷	0.43	-0.00	-0.03	0.00	CO 14					
					Max M _z	-5.78	-0.00		1.62	-0.00	-0.03	0.01	CO 5					
					Min M _z	-1.63	-0.00		0.43	-0.00	-0.03	0.00	CO 14					
					Max N	-1.63	-0.00	▷	0.43	-0.00	-0.03	0.00	CO 9					
					Min N	-5.78	-0.00	▷	1.62	-0.00	-0.03	0.00	CO 6					
					Max V _y	-1.63	-0.00	▷	0.43	-0.00	-0.03	0.00	CO 14					
					Min V _y	-5.78	-0.00	▷	1.62	-0.00	-0.03	0.01	CO 5					
					Max V _z	-5.78	-0.00	▷	1.62	-0.00	-0.03	0.00	CO 4					
					Min V _z	-1.63	-0.00	▷	0.43	-0.00	-0.03	0.00	CO 13					
					Max M _T	-1.63	-0.00	▷	0.43	-0.00	-0.03	0.00	CO 9					
					Min M _T	-5.78	-0.00	▷	1.62	-0.00	-0.03	0.00	CO 7					
					Max M _y	-5.78	-0.00		1.62	-0.00	-0.03	0.00	CO 3					
					Min M _y	-1.63	-0.00	▷	0.43	-0.00	-0.03	0.00	CO 14					
					Max M _z	-5.78	-0.00		1.62	-0.00	-0.03	0.01	CO 5					
					Min M _z	-1.63	-0.00		0.43	-0.00	-0.03	0.00	CO 14					
					2.107 Left	Max N	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 9				
						Min N	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 6				
						Max V _y	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 14				
						Min V _y	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 5				
						Max V _z	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 4				
						Min V _z	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 13				
						Max M _T	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 9				
						Min M _T	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 1				
						Max M _y	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 3				
						Min M _y	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 14				
						Max M _z	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 5				
				118		2.107 Right	Min M _z	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 14			
							Max N	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 9			
							Min N	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 6			
							Max V _y	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 14			
							Min V _y	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 5			
							Max V _z	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 4			
							Min V _z	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 13			
							Max M _T	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 9			
							Min M _T	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 1			
							Max M _y	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 3			
							Min M _y	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 14			
							Max M _z	-5.59	-0.00	▷	2.47	-0.00	1.04	0.01	CO 5			
							RC2	161	0.000 Left	Min M _z	-1.44	-0.00	▷	0.79	-0.00	0.27	0.00	CO 14
										Max N	-1.51	-0.00	▷	-0.49	-0.00	0.14	0.00	CO 23
										Min N	-4.58	-0.00	▷	-2.03	-0.00	0.68	0.00	CO 20
										Max V _y	-1.51	-0.00	▷	-0.49	-0.00	0.14	0.00	CO 28
										Min V _y	-4.58	-0.00	▷	-2.03	-0.00	0.68	0.00	CO 19
										Max V _z	-1.51	-0.00	▷	-0.49	-0.00	0.14	0.00	CO 24
										Min V _z	-4.58	-0.00	▷	-2.03	-0.00	0.68	0.00	CO 21
					Max M _T					-1.51	-0.00	▷	-0.49	-0.00	0.14	0.00	CO 23	
					Min M _T					-4.58	-0.00	▷	-2.03	-0.00	0.68	0.00	CO 21	
					Max M _y					-4.58	-0.00	▷	-2.03	-0.00	0.68	0.00	CO 21	
					Min M _y					-1.51	-0.00	▷	-0.49	-0.00	0.14	0.00	CO 24	
					Max M _z					-4.58	-0.00	▷	-2.03	-0.00	0.68	0.00	CO 20	
					Min M _z					-1.51	-0.00	▷	-0.49	-0.00	0.14	0.00	CO 20	
					Max N					-1.51	-0.00	▷	-0.49	-0.00	0.14	0.00	CO 23	
					Min N					-4.58	-0.00	▷	-2.03	-0.00	0.68	0.00	CO 20	
					Max V _y					-1.51	-0.00	▷	-0.49	-0.00	0.14	0.00	CO 28	
					Min V _y					-4.58	-0.00	▷	-2.03	-0.00	0.68	0.00	CO 19	
					Max V _z					-1.51	-0.00	▷	-0.49	-0.00	0.14	0.00	CO 24	
				Min V _z	-4.58	-0.00				▷	-2.03	-0.00	0.68	0.00	CO 21			
				Max M _T	-1.51	-0.00				▷	-0.49	-0.00	0.14	0.00	CO 23			
				Min M _T	-4.58	-0.00				▷	-2.03	-0.00	0.68	0.00	CO 21			
				Max M _y	-4.58	-0.00				▷	-2.03	-0.00	0.68	0.00	CO 21			
				Min M _y	-1.51	-0.00				▷	-0.49	-0.00	0.14	0.00	CO 24			
				Max M _z	-4.58	-0.00				▷	-2.03	-0.00	0.68	0.00	CO 20			
				Min M _z	-1.51	-0.00			▷	-0.49	-0.00	0.14	0.00	CO 27				
				1.604 Left	Max N	-1.09			-0.00	▷	0.29	-0.00	-0.02	0.00	CO 23			
					Min N	-4.16			-0.00	▷	1.17	-0.00	-0.02	0.00	CO 20			
					Max V _y	-1.09			-0.00	▷	0.29	-0.00	-0.02	0.00	CO 28			
					Min V _y	-4.16			-0.00	▷	1.17	-0.00	-0.02	0.00	CO 19			
					Max V _z	-4.16			-0.00	▷	1.17	-0.00	-0.02	0.00	CO 18			
					Min V _z	-1.09			-0.00	▷	0.29	-0.00	-0.02	0.00	CO 27			
					Max M _T	-1.09			-0.00	▷	0.29	-0.00	-0.02	0.00	CO 23			
					Min M _T	-4.16			-0.00	▷	1.17	-0.00	-0.02	0.00	CO 21			
					Max M _y	-4.16			-0.00	▷	1.17	-0.00	-0.02	0.00	CO 17			
					Min M _y	-1.09			-0.00	▷	0.29	-0.00	-0.02	0.00	CO 28			
					Max M _z	-4.16			-0.00	▷	1.17	-0.00	-0.02	0.00	CO 19			
					Min M _z	-1.09	-0.00	▷	0.29	-0.00	-0.02	0.00	CO 28					
				1.604 Right	Max N	-1.09	-0.00	▷	0.29	-0.00	-0.02	0.00	CO 23					
					Min N	-4.16	-0.00	▷	1.17	-0.00	-0.02	0.00	CO 20					
					Max V _y	-1.09	-0.00	▷	0.29	-0.00	-0.02	0.00	CO 28					
					Min V _y	-4.16	-0.00	▷	1.17	-0.00	-0.02	0.00	CO 19					
					Max V _z	-4.16	-0.00	▷	1.17	-0.00	-0.02	0.00	CO 18					
					Min V _z	-1.09	-0.00	▷	0.29	-0.00	-0.02	0.00	CO 27					
					Max M _T	-1.09	-0.00	▷	0.29	-0.00	-0.02	0.00	CO 23					
					Min M _T	-4.16	-0.00	▷	1.17	-0.00	-0.02	0.00	CO 21					
					Max M _y	-4.16	-0.00	▷	1.17	-0.00	-0.02	0.00	CO 17					
					Min M _y	-1.09	-0.00	▷	0.29	-0.00	-0.02	0.00	CO 28					
					Max M _z	-4.16	-0.00	▷	1.17	-0.00	-0.02	0.00	CO 19					
					Min M _z	-1.09	-0.00	▷	0.29	-0.00	-0.02	0.00	CO 28					
2.107	Max N	-0.96	-0.00	▷	0.53	-0.00	0.18	0.00	CO 23									



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]						Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z				
247	RC2		Left	Min N	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 20	
				Max V _y	▷	-0.96	-0.00	0.53	-0.00	0.18	0.00	CO 28	
				Min V _y	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 19	
				Max V _z	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 18	
				Min V _z	▷	-0.96	-0.00	0.53	-0.00	0.18	0.00	CO 27	
				Max M _T	▷	-0.96	-0.00	0.53	-0.00	0.18	0.00	CO 23	
				Min M _T	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 15	
				Max M _y	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 17	
				Min M _y	▷	-0.96	-0.00	0.53	-0.00	0.18	0.00	CO 28	
				Max M _z	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 19	
			2.107 Right	Min M _z	▷	-0.96	-0.00	0.53	-0.00	0.18	0.00	CO 28	
				Max N	▷	-0.96	-0.00	0.53	-0.00	0.18	0.00	CO 23	
				Min N	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 20	
				Max V _y	▷	-0.96	-0.00	0.53	-0.00	0.18	0.00	CO 28	
				Min V _y	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 19	
				Max V _z	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 18	
				Min V _z	▷	-0.96	-0.00	0.53	-0.00	0.18	0.00	CO 27	
				Max M _T	▷	-0.96	-0.00	0.53	-0.00	0.18	0.00	CO 23	
				Min M _T	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 15	
				Max M _y	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 17	
				Min M _y	▷	-0.96	-0.00	0.53	-0.00	0.18	0.00	CO 28	
				Max M _z	▷	-4.03	-0.00	1.77	-0.00	0.75	0.00	CO 19	
				RC6	161	0.000 Left	Min M _z	▷	-0.96	-0.00	0.53	-0.00	0.18
	Max N	▷	-1.93				0.40	-1.45	0.00	0.28	0.43	LC 1-4	
	Min N	▷	-4.25				-0.40	-1.71	-0.00	0.83	-0.43	LC 1-5	
	Max V _y	▷	-2.70				0.74	-1.59	0.00	0.57	0.79	LC 1-4	
	Min V _y	▷	-3.48				-0.75	-1.57	-0.00	0.53	-0.79	LC 1-5	
	Max V _z	▷	-2.24				0.01	-1.21	-0.00	-0.20	0.01	LC 1-4	
	Min V _z	▷	-3.95				-0.01	-1.95	-0.00	1.31	-0.01	LC 1-5	
	Max M _T	▷	-2.96				0.25	-1.66	0.00	0.72	0.28	LC 1-5	
	Min M _T	▷	-3.23				-0.26	-1.50	-0.00	0.39	-0.28	LC 1-4	
	Max M _y	▷	-3.95				-0.01	-1.95	-0.00	1.31	-0.01	LC 1-5	
	Min M _y	▷	-2.23				0.01	-1.21	-0.00	-0.20	0.01	LC 1-4	
	Max M _z	▷	-2.70				0.74	-1.59	0.00	0.57	0.79	LC 1-5	
	0.000 Right	Min M _z	▷			-3.48	-0.75	-1.57	-0.00	0.53	-0.79	LC 1-4	
		Max N	▷			-1.93	0.40	-1.45	0.00	0.28	0.43	LC 1-4	
		Min N	▷			-4.25	-0.40	-1.71	-0.00	0.83	-0.43	LC 1-5	
		Max V _y	▷			-2.70	0.74	-1.59	0.00	0.57	0.79	LC 1-4	
		Min V _y	▷			-3.48	-0.75	-1.57	-0.00	0.53	-0.79	LC 1-5	
		Max V _z	▷			-2.24	0.01	-1.21	-0.00	-0.20	0.01	LC 1-4	
		Min V _z	▷			-3.95	-0.01	-1.95	-0.00	1.31	-0.01	LC 1-5	
		Max M _T	▷			-2.96	0.25	-1.66	0.00	0.72	0.28	LC 1-5	
		Min M _T	▷			-3.23	-0.26	-1.50	-0.00	0.39	-0.28	LC 1-4	
		Max M _y	▷			-3.95	-0.01	-1.95	-0.00	1.31	-0.01	LC 1-5	
		Min M _y	▷			-2.23	0.01	-1.21	-0.00	-0.20	0.01	LC 1-4	
	1.604 Left	Max M _z	▷	-2.70	0.74	-1.59	0.00	0.57	0.79	LC 1-5			
		Min M _z	▷	-3.48	-0.75	-1.57	-0.00	0.53	-0.79	LC 1-4			
		Max N	▷	-1.91	0.40	1.02	0.00	-0.06	-0.21	LC 1-4			
		Min N	▷	-4.23	-0.40	0.75	-0.00	0.06	0.22	LC 1-5			
		Max V _y	▷	-2.67	0.74	0.88	0.00	0.00	-0.40	LC 1-4			
		Min V _y	▷	-3.46	-0.75	0.89	-0.00	-0.01	0.41	LC 1-5			
		Max V _z	▷	-2.21	0.01	1.25	-0.00	-0.16	-0.00	LC 1-4			
		Min V _z	▷	-3.92	-0.01	0.52	-0.00	0.16	0.01	LC 1-5			
		Max M _T	▷	-2.93	0.25	0.80	0.00	0.03	-0.12	LC 1-5			
		Min M _T	▷	-3.20	-0.26	0.97	-0.00	-0.04	0.13	LC 1-4			
		Max M _y	▷	-3.93	-0.01	0.52	-0.00	0.16	0.01	LC 1-4			
		Min M _y	▷	-2.20	0.00	1.25	-0.00	-0.17	-0.00	LC 1-5			
		Max M _z	▷	-3.46	-0.75	0.89	-0.00	-0.01	0.41	LC 1-5			
		Min M _z	▷	-2.67	0.74	0.88	0.00	0.00	-0.40	LC 1-4			
		1.604 Right	Max N	▷	-1.91	0.40	1.02	0.00	-0.06	-0.21	LC 1-4		
			Min N	▷	-4.23	-0.40	0.75	-0.00	0.06	0.22	LC 1-5		
			Max V _y	▷	-2.67	0.74	0.88	0.00	0.00	-0.40	LC 1-4		
			Min V _y	▷	-3.46	-0.75	0.89	-0.00	-0.01	0.41	LC 1-5		
			Max V _z	▷	-2.21	0.01	1.25	-0.00	-0.16	-0.00	LC 1-4		
			Min V _z	▷	-3.92	-0.01	0.52	-0.00	0.16	0.01	LC 1-5		
			Max M _T	▷	-2.93	0.25	0.80	0.00	0.03	-0.12	LC 1-5		
			Min M _T	▷	-3.20	-0.26	0.97	-0.00	-0.04	0.13	LC 1-4		
			Max M _y	▷	-3.93	-0.01	0.52	-0.00	0.16	0.01	LC 1-4		
			Min M _y	▷	-2.20	0.00	1.25	-0.00	-0.17	-0.00	LC 1-5		
	Max M _z		▷	-3.46	-0.75	0.89	-0.00	-0.01	0.41	LC 1-5			
	Min M _z		▷	-2.67	0.74	0.88	0.00	0.00	-0.40	LC 1-4			
	2.107 Left	Max N	▷	-1.90	0.40	1.41	0.00	0.58	-0.42	LC 1-4			
		Min N	▷	-4.22	-0.40	1.14	-0.00	0.57	0.42	LC 1-5			
		Max V _y	▷	-2.67	0.74	1.27	0.00	0.58	-0.77	LC 1-4			
		Min V _y	▷	-3.45	-0.75	1.28	-0.00	0.57	0.78	LC 1-5			
		Max V _z	▷	-2.20	0.01	1.64	-0.00	0.60	-0.01	LC 1-4			
		Min V _z	▷	-3.91	-0.01	0.91	-0.00	0.55	0.02	LC 1-5			
		Max M _T	▷	-2.93	0.25	1.19	0.00	0.57	-0.25	LC 1-5			
		Min M _T	▷	-3.19	-0.26	1.36	-0.00	0.58	0.26	LC 1-4			
		Max M _y	▷	-2.47	0.06	1.56	-0.00	0.60	-0.06	LC 1-4			
		Min M _y	▷	-3.65	-0.06	0.99	-0.00	0.55	0.07	LC 1-5			
		Max M _z	▷	-3.45	-0.75	1.28	-0.00	0.57	0.78	LC 1-5			
		Min M _z	▷	-2.67	0.74	1.27	0.00	0.58	-0.77	LC 1-4			
		118	2.107 Right	Max N	▷	-1.90	0.40	1.41	0.00	0.58	-0.42	LC 1-4	
				Min N	▷	-4.22	-0.40	1.14	-0.00	0.57	0.42	LC 1-5	
				Max V _y	▷	-2.67	0.74	1.27	0.00	0.58	-0.77	LC 1-4	
				Min V _y	▷	-3.45	-0.75	1.28	-0.00	0.57	0.78	LC 1-5	
				Max V _z	▷	-2.20	0.01	1.64	-0.00	0.60	-0.01	LC 1-4	
				Min V _z	▷	-3.91	-0.01	0.91	-0.00	0.55	0.02	LC 1-5	
				Max M _T	▷	-2.93	0.25	1.19	0.00	0.57	-0.25	LC 1-5	
				Min M _T	▷	-3.19	-0.26	1.36	-0.00	0.58	0.26	LC 1-4	
				Max M _y	▷	-2.47	0.06	1.56	-0.00	0.60	-0.06	LC 1-4	
				Min M _y	▷	-3.65	-0.06	0.99	-0.00	0.55	0.07	LC 1-5	
				Max M _z	▷	-3.45	-0.75	1.28	-0.00	0.57	0.78	LC 1-5	
				Min M _z	▷	-2.67	0.74	1.27	0.00	0.58	-0.77	LC 1-4	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z				
247	RC6			Min M _y	-3.65	-0.06	0.99	-0.00	0.55	0.07	LC 1-5		
248	RC1	162	0.000	Max M _z	-3.45	-0.75	1.28	-0.00	0.78	0.57	LC 1-5		
				Min M _z	-2.67	0.74	1.27	0.00	0.58	-0.77	LC 1-4		
				Max N	-3.18	-0.00	0.10	0.00	-0.06	0.00	CO 9		
				Min N	-12.02	-0.00	0.07	-0.00	0.02	0.00	CO 8		
				Max V _y	-3.18	-0.00	0.10	0.00	-0.06	0.00	CO 13		
				Min V _y	-12.02	-0.00	0.07	-0.00	0.02	0.00	CO 6		
				Max V _z	-3.18	-0.00	0.10	0.00	-0.06	0.00	CO 14		
				Min V _z	-12.02	-0.00	0.07	-0.00	0.02	0.00	CO 3		
				Max M _T	-3.18	-0.00	0.10	0.00	-0.06	0.00	CO 13		
				Min M _T	-12.02	-0.00	0.07	-0.00	0.02	0.00	CO 6		
				Max M _y	-12.02	-0.00	0.07	-0.00	0.02	0.00	CO 3		
				Min M _y	-3.18	-0.00	0.10	0.00	-0.06	0.00	CO 14		
				Max M _z	-3.18	-0.00	0.10	0.00	-0.06	0.00	CO 11		
				Min M _z	-12.02	-0.00	0.07	-0.00	0.02	0.00	CO 2		
				163	3.755	Max N	-3.18	0.00	-0.08	0.00	-0.03	0.00	CO 9
						Min N	-12.02	0.00	-0.12	-0.00	-0.10	0.00	CO 8
						Max V _y	-12.02	0.00	-0.12	-0.00	-0.10	0.00	CO 6
						Min V _y	-3.18	0.00	-0.08	0.00	-0.03	0.00	CO 14
						Max V _z	-3.18	0.00	-0.08	0.00	-0.03	0.00	CO 14
						Min V _z	-12.02	0.00	-0.12	-0.00	-0.10	0.00	CO 3
						Max M _T	-3.18	0.00	-0.08	0.00	-0.03	0.00	CO 13
						Min M _T	-12.02	0.00	-0.12	-0.00	-0.10	0.00	CO 6
						Max M _y	-3.18	0.00	-0.08	0.00	-0.03	0.00	CO 14
						Min M _y	-12.02	0.00	-0.12	-0.00	-0.10	0.00	CO 5
		Max M _z	-12.02			0.00	-0.12	-0.00	-0.10	0.00	CO 6		
		Min M _z	-3.18			0.00	-0.08	0.00	-0.03	0.00	CO 13		
		Max N	-2.15			0.00	0.07	0.00	-0.05	0.00	CO 23		
		Min N	-8.69			-0.00	0.05	-0.00	0.02	0.00	CO 22		
		Max V _y	-2.15			0.00	0.07	0.00	-0.05	0.00	CO 27		
		Min V _y	-8.69			-0.00	0.05	-0.00	0.02	0.00	CO 20		
		Max V _z	-2.15			0.00	0.07	0.00	-0.05	0.00	CO 28		
		Min V _z	-8.69			-0.00	0.05	-0.00	0.02	0.00	CO 19		
		Max M _T	-2.15			0.00	0.07	0.00	-0.05	0.00	CO 27		
		Min M _T	-8.69			-0.00	0.05	-0.00	0.02	0.00	CO 20		
		Max M _y	-8.69			-0.00	0.05	-0.00	0.02	0.00	CO 17		
		Min M _y	-2.15			0.00	0.07	0.00	-0.05	0.00	CO 28		
		Max M _z	-2.15			0.00	0.07	0.00	-0.05	0.00	CO 25		
		163	3.755			Min M _z	-8.69	-0.00	0.05	-0.00	0.02	0.00	CO 16
				Max N	-2.15	0.00	-0.06	0.00	-0.02	0.00	CO 23		
				Min N	-8.69	0.00	-0.09	-0.00	-0.07	0.00	CO 22		
				Max V _y	-8.69	0.00	-0.09	-0.00	-0.07	0.00	CO 19		
				Min V _y	-2.15	0.00	-0.06	0.00	-0.02	0.00	CO 24		
				Max V _z	-2.15	0.00	-0.06	0.00	-0.02	0.00	CO 28		
				Min V _z	-8.69	0.00	-0.09	-0.00	-0.07	0.00	CO 17		
				Max M _T	-2.15	0.00	-0.06	0.00	-0.02	0.00	CO 27		
				Min M _T	-8.69	0.00	-0.09	-0.00	-0.07	0.00	CO 20		
				Max M _y	-2.15	0.00	-0.06	0.00	-0.02	0.00	CO 28		
				Min M _y	-8.69	0.00	-0.09	-0.00	-0.07	0.00	CO 17		
	Max M _z			-8.69	0.00	-0.09	-0.00	-0.07	0.00	CO 20			
	Min M _z			-2.15	0.00	-0.06	0.00	-0.02	0.00	CO 27			
	RC6			162	0.000	Max N	-6.84	-0.00	0.15	-0.00	-0.19	0.00	LC 1-4
						Min N	-6.88	0.00	-0.07	0.00	0.23	0.01	LC 1-5
						Max V _y	-6.86	0.08	0.07	0.02	-0.04	0.16	LC 1-4
						Min V _y	-6.86	-0.08	0.01	-0.02	0.08	-0.15	LC 1-5
						Max V _z	-6.85	0.00	0.24	0.00	-0.36	0.00	LC 1-5
						Min V _z	-6.87	-0.00	-0.16	-0.00	0.40	0.00	LC 1-4
						Max M _T	-6.86	0.08	0.07	0.02	-0.04	0.16	LC 1-4
						Min M _T	-6.86	-0.08	0.01	-0.02	0.08	-0.15	LC 1-5
						Max M _y	-6.87	-0.00	-0.16	-0.00	0.40	0.00	LC 1-4
						Min M _y	-6.85	0.00	0.24	0.00	-0.36	0.00	LC 1-5
						Max M _z	-6.86	0.08	0.07	0.02	-0.03	0.16	LC 1-5
		Min M _z	-6.86			-0.08	0.01	-0.02	0.08	-0.15	LC 1-4		
	163	3.755	Max N	-6.84	-0.00	0.02	-0.00	0.13	0.00	LC 1-4			
			Min N	-6.88	0.00	-0.21	0.00	-0.29	-0.00	LC 1-5			
			Max V _y	-6.86	0.08	-0.06	0.02	-0.02	-0.15	LC 1-4			
			Min V _y	-6.86	-0.08	-0.13	-0.02	-0.14	0.15	LC 1-5			
			Max V _z	-6.85	0.00	0.11	0.00	0.30	0.00	LC 1-5			
			Min V _z	-6.87	-0.00	-0.30	-0.00	-0.46	0.00	LC 1-4			
			Max M _T	-6.86	0.08	-0.06	0.02	-0.02	-0.15	LC 1-4			
			Min M _T	-6.86	-0.08	-0.13	-0.02	-0.14	0.15	LC 1-5			
			Max M _y	-6.85	0.00	0.11	0.00	0.30	0.00	LC 1-4			
			Min M _y	-6.87	-0.00	-0.30	-0.00	-0.46	0.00	LC 1-5			
			Max M _z	-6.86	-0.08	-0.13	-0.02	-0.14	0.15	LC 1-5			
			Min M _z	-6.86	0.08	-0.06	0.02	-0.02	-0.15	LC 1-4			
	249	RC1	162	0.000 Left	Max N	-1.97	0.01	-0.67	0.00	0.22	0.00	CO 9	
Min N					-5.89	0.01	-2.82	0.00	0.89	0.00	CO 8		
Max V _y					-5.89	0.01	-2.82	0.00	0.89	0.00	CO 5		
Min V _y					-1.98	0.01	-0.67	0.00	0.22	0.00	CO 14		
Max V _z					-1.97	0.01	-0.67	0.00	0.22	0.00	CO 9		
Min V _z					-5.89	0.01	-2.82	0.00	0.89	0.00	CO 8		
Max M _T					-5.89	0.01	-2.82	0.00	0.89	0.00	CO 6		
Min M _T					-1.98	0.01	-0.67	0.00	0.22	0.00	CO 13		
Max M _y					-5.89	0.01	-2.82	0.00	0.89	0.00	CO 8		
Min M _y					-1.97	0.01	-0.67	0.00	0.22	0.00	CO 9		
Max M _z					-5.89	0.01	-2.82	0.00	0.89	0.00	CO 2		
Min M _z					-1.98	0.01	-0.67	0.00	0.22	0.00	CO 10		
0.000 Right			Max N	-1.97	0.01	-0.67	0.00	0.22	0.00	CO 9			
			Min N	-5.89	0.01	-2.82	0.00	0.89	0.00	CO 8			
			Max V _y	-5.89	0.01	-2.82	0.00	0.89	0.00	CO 5			
			Min V _y	-1.98	0.01	-0.67	0.00	0.22	0.00	CO 14			
			Max V _z	-1.97	0.01	-0.67	0.00	0.22	0.00	CO 9			

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding			
				N	V _y	V _z	M _T	M _y	M _z	Load Cases					
249	RC1			Min V _z	-5.89	0.01	▷	-2.82	0.00	0.89	0.00	CO 8			
				Max M _T	-5.89	0.01	▷	-2.82	0.00	0.89	0.00	CO 6			
				Min M _T	-1.98	0.01	▷	-0.67	0.00	0.22	0.00	CO 13			
				Max M _y	-5.89	0.01	▷	-2.82	0.00	0.89	0.00	CO 8			
				Min M _y	-1.97	0.01	▷	-0.67	0.00	0.22	0.00	CO 9			
				Max M _z	-5.89	0.01	▷	-2.82	0.00	0.89	0.00	CO 2			
				Min M _z	-1.98	0.01	▷	-0.67	0.00	0.22	0.00	CO 10			
				1.644 Left	Max N	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 9		
					Min N	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 8		
					Max V _y	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 5		
					Min V _y	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 14		
					Max V _z	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 3		
					Min V _z	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 14		
					Max M _T	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 12		
					Min M _T	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 1		
					Max M _y	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 10		
					Min M _y	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 7		
					Max M _z	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 14		
					Min M _z	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 5		
				1.644 Right	Max N	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 9		
					Min N	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 8		
					Max V _y	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 5		
					Min V _y	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 14		
					Max V _z	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 3		
					Min V _z	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 14		
					Max M _T	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 12		
					Min M _T	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 1		
					Max M _y	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 10		
					Min M _y	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 7		
					Max M _z	-1.42	0.01	▷	0.39	0.00	-0.01	-0.01	CO 14		
					Min M _z	-5.33	0.01	▷	1.60	0.00	-0.11	-0.01	CO 5		
				2.147 Left	Max N	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 9		
					Min N	-5.17	0.01	▷	2.42	0.00	0.95	-0.01	CO 8		
					Max V _y	-5.16	0.01	▷	2.42	0.00	0.95	-0.01	CO 6		
					Min V _y	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 14		
					Max V _z	-5.16	0.01	▷	2.42	0.00	0.95	-0.01	CO 3		
					Min V _z	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 14		
					Max M _T	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 12		
					Min M _T	-5.16	0.01	▷	2.42	0.00	0.95	-0.01	CO 1		
					Max M _y	-5.17	0.01	▷	2.42	0.00	0.95	-0.01	CO 2		
					Min M _y	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 14		
					Max M _z	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 14		
					Min M _z	-5.16	0.01	▷	2.42	0.00	0.95	-0.01	CO 5		
				117	2.147 Right	Max N	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 9	
						Min N	-5.17	0.01	▷	2.42	0.00	0.95	-0.01	CO 8	
						Max V _y	-5.16	0.01	▷	2.42	0.00	0.95	-0.01	CO 6	
						Min V _y	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 14	
						Max V _z	-5.16	0.01	▷	2.42	0.00	0.95	-0.01	CO 3	
						Min V _z	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 14	
						Max M _T	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 12	
						Min M _T	-5.16	0.01	▷	2.42	0.00	0.95	-0.01	CO 1	
						Max M _y	-5.17	0.01	▷	2.42	0.00	0.95	-0.01	CO 2	
						Min M _y	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 14	
						Max M _z	-1.25	0.01	▷	0.71	0.00	0.27	-0.01	CO 14	
						Min M _z	-5.16	0.01	▷	2.42	0.00	0.95	-0.01	CO 5	
				RC2	162	0.000 Left	Max N	-1.33	0.00	▷	-0.45	0.00	0.15	0.00	CO 23
							Min N	-4.24	0.01	▷	-2.04	0.00	0.64	0.00	CO 22
							Max V _y	-4.24	0.01	▷	-2.04	0.00	0.64	0.00	CO 19
							Min V _y	-1.34	0.00	▷	-0.45	0.00	0.15	0.00	CO 28
							Max V _z	-1.33	0.00	▷	-0.45	0.00	0.15	0.00	CO 23
Min V _z	-4.24	0.01	▷				-2.04	0.00	0.64	0.00	CO 22				
Max M _T	-4.24	0.01	▷				-2.04	0.00	0.64	0.00	CO 20				
Min M _T	-1.34	0.00	▷				-0.45	0.00	0.15	0.00	CO 27				
Max M _y	-4.24	0.01	▷				-2.04	0.00	0.64	0.00	CO 22				
Min M _y	-1.33	0.00	▷				-0.45	0.00	0.15	0.00	CO 23				
Max M _z	-4.24	0.01	▷				-2.04	0.00	0.64	0.00	CO 16				
Min M _z	-1.34	0.00	▷				-0.45	0.00	0.15	0.00	CO 24				
0.000 Right	Max N	-1.33	0.00				▷	-0.45	0.00	0.15	0.00	CO 23			
	Min N	-4.24	0.01				▷	-2.04	0.00	0.64	0.00	CO 22			
	Max V _y	-4.24	0.01				▷	-2.04	0.00	0.64	0.00	CO 19			
	Min V _y	-1.34	0.00				▷	-0.45	0.00	0.15	0.00	CO 28			
	Max V _z	-1.33	0.00				▷	-0.45	0.00	0.15	0.00	CO 23			
	Min V _z	-4.24	0.01				▷	-2.04	0.00	0.64	0.00	CO 22			
	Max M _T	-4.24	0.01				▷	-2.04	0.00	0.64	0.00	CO 20			
	Min M _T	-1.34	0.00				▷	-0.45	0.00	0.15	0.00	CO 27			
	Max M _y	-4.24	0.01				▷	-2.04	0.00	0.64	0.00	CO 22			
	Min M _y	-1.33	0.00				▷	-0.45	0.00	0.15	0.00	CO 23			
	Max M _z	-4.24	0.01				▷	-2.04	0.00	0.64	0.00	CO 16			
	Min M _z	-1.34	0.00				▷	-0.45	0.00	0.15	0.00	CO 24			
1.644 Left	Max N	-0.96	0.00				▷	0.26	0.00	-0.01	-0.01	CO 23			
	Min N	-3.86	0.01				▷	1.16	0.00	-0.08	-0.01	CO 22			
	Max V _y	-3.86	0.01				▷	1.16	0.00	-0.08	-0.01	CO 19			
	Min V _y	-0.96	0.00				▷	0.26	0.00	-0.01	-0.01	CO 28			
	Max V _z	-3.86	0.01				▷	1.16	0.00	-0.08	-0.01	CO 17			
	Min V _z	-0.96	0.00				▷	0.26	0.00	-0.01	-0.01	CO 28			
	Max M _T	-0.96	0.00				▷	0.26	0.00	-0.01	-0.01	CO 26			
	Min M _T	-3.86	0.01				▷	1.16	0.00	-0.08	-0.01	CO 15			
	Max M _y	-0.96	0.00				▷	0.26	0.00	-0.01	-0.01	CO 24			
	Min M _y	-3.86	0.01				▷	1.16	0.00	-0.08	-0.01	CO 17			
	Max M _z	-0.96	0.00				▷	0.26	0.00	-0.01	-0.01	CO 28			
	Min M _z	-3.86	0.01				▷	1.16	0.00	-0.08	-0.01	CO 19			
1.644	Max N	-0.96	0.00				▷	0.26	0.00	-0.01	-0.01	CO 23			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
249	RC2		Right	Min N	▷ -3.86	▷ 0.01	▷ 1.16	0.00	-0.08	-0.01	CO 22
				Max V _y	▷ -3.86	▷ 0.01	▷ 1.16	0.00	-0.08	-0.01	CO 19
				Min V _y	▷ -0.96	▷ 0.00	▷ 0.26	0.00	-0.01	-0.01	CO 28
				Max V _z	▷ -3.86	▷ 0.01	▷ 1.16	0.00	-0.08	-0.01	CO 17
				Min V _z	▷ -0.96	▷ 0.00	▷ 0.26	0.00	-0.01	-0.01	CO 28
				Max M _T	▷ -0.96	▷ 0.00	▷ 0.26	▷ 0.00	-0.01	-0.01	CO 26
				Min M _T	▷ -3.86	▷ 0.01	▷ 1.16	▷ 0.00	-0.08	-0.01	CO 15
				Max M _y	▷ -0.96	▷ 0.00	▷ 0.26	▷ 0.00	-0.01	-0.01	CO 24
				Min M _y	▷ -3.86	▷ 0.01	▷ 1.16	▷ 0.00	-0.08	-0.01	CO 17
				Max M _z	▷ -0.96	▷ 0.00	▷ 0.26	▷ 0.00	-0.01	-0.01	CO 28
			2.147 Left	Min M _z	▷ -3.86	▷ 0.01	▷ 1.16	▷ 0.00	-0.08	-0.01	CO 19
				Max N	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 23
				Min N	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 22
				Max V _y	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 19
				Min V _y	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 28
				Max V _z	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 17
				Min V _z	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 28
				Max M _T	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 26
				Min M _T	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 15
				Max M _y	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 18
			2.147 Right	Min M _y	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 28
				Max M _z	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 28
				Min M _z	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 19
				Max N	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 23
				Min N	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 22
				Max V _y	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 19
				Min V _y	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 28
				Max V _z	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 17
				Min V _z	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 28
				Max M _T	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 26
			0.000 Left	Min M _T	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 15
				Max M _y	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 18
				Min M _y	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 28
				Max M _z	▷ -0.85	▷ 0.00	▷ 0.48	▷ 0.00	0.18	-0.01	CO 28
				Min M _z	▷ -3.75	▷ 0.01	▷ 1.75	▷ 0.00	0.68	-0.01	CO 19
				Max N	▷ -1.97	▷ -0.12	▷ -1.47	▷ 0.00	0.21	-0.13	LC 1-5
				Min N	▷ -4.24	▷ 0.13	▷ -1.74	▷ -0.00	0.78	0.14	LC 1-4
				Max V _y	▷ -3.38	▷ 1.18	▷ -1.62	▷ -0.02	0.53	1.26	LC 1-5
				Min V _y	▷ -2.83	▷ -1.16	▷ -1.59	▷ 0.02	0.46	-1.26	LC 1-4
				Max V _z	▷ -2.21	▷ 0.01	▷ -1.44	▷ 0.00	0.15	0.01	LC 1-4
	RC6	162	0.000 Left	Min V _z	▷ -4.00	▷ 0.00	▷ -1.78	▷ 0.00	0.84	-0.00	LC 1-5
				Max M _T	▷ -3.24	▷ -0.87	▷ -1.63	▷ 0.02	0.55	-0.94	LC 1-5
				Min M _T	▷ -2.97	▷ 0.88	▷ -1.58	▷ -0.02	0.45	0.94	LC 1-4
				Max M _y	▷ -4.02	▷ 0.00	▷ -1.78	▷ 0.00	0.84	-0.00	LC 1-5
				Min M _y	▷ -2.19	▷ 0.01	▷ -1.44	▷ 0.00	0.15	0.01	LC 1-4
				Max M _z	▷ -3.38	▷ 1.18	▷ -1.62	▷ -0.02	0.53	1.26	LC 1-5
				Min M _z	▷ -2.83	▷ -1.16	▷ -1.59	▷ 0.02	0.46	-1.26	LC 1-4
			0.000 Right	Max N	▷ -1.97	▷ -0.12	▷ -1.47	▷ 0.00	0.21	-0.13	LC 1-5
				Min N	▷ -4.24	▷ 0.13	▷ -1.74	▷ -0.00	0.78	0.14	LC 1-4
				Max V _y	▷ -3.38	▷ 1.18	▷ -1.62	▷ -0.02	0.53	1.26	LC 1-5
				Min V _y	▷ -2.83	▷ -1.16	▷ -1.59	▷ 0.02	0.46	-1.26	LC 1-4
				Max V _z	▷ -2.21	▷ 0.01	▷ -1.44	▷ 0.00	0.15	0.01	LC 1-4
				Min V _z	▷ -4.00	▷ 0.00	▷ -1.78	▷ 0.00	0.84	-0.00	LC 1-5
				Max M _T	▷ -3.24	▷ -0.87	▷ -1.63	▷ 0.02	0.55	-0.94	LC 1-5
				Min M _T	▷ -2.97	▷ 0.88	▷ -1.58	▷ -0.02	0.45	0.94	LC 1-4
				Max M _y	▷ -4.02	▷ 0.00	▷ -1.78	▷ 0.00	0.84	-0.00	LC 1-5
				Min M _y	▷ -2.19	▷ 0.01	▷ -1.44	▷ 0.00	0.15	0.01	LC 1-4
			1.644 Left	Max M _z	▷ -3.38	▷ 1.18	▷ -1.62	▷ -0.02	0.53	1.26	LC 1-5
				Min M _z	▷ -2.83	▷ -1.16	▷ -1.59	▷ 0.02	0.46	-1.26	LC 1-4
				Max N	▷ -1.94	▷ -0.12	▷ 1.05	▷ 0.00	-0.13	0.06	LC 1-5
				Min N	▷ -4.21	▷ 0.13	▷ 0.78	▷ -0.00	-0.01	-0.08	LC 1-4
				Max V _y	▷ -3.35	▷ 1.18	▷ 0.90	▷ -0.02	-0.06	-0.67	LC 1-5
				Min V _y	▷ -2.80	▷ -1.16	▷ 0.93	▷ 0.02	-0.07	0.65	LC 1-4
				Max V _z	▷ -2.19	▷ 0.01	▷ 1.09	▷ 0.00	-0.13	-0.01	LC 1-4
				Min V _z	▷ -3.97	▷ 0.00	▷ 0.75	▷ 0.00	-0.00	-0.00	LC 1-5
				Max M _T	▷ -3.21	▷ -0.87	▷ 0.89	▷ 0.02	-0.06	0.49	LC 1-5
				Min M _T	▷ -2.94	▷ 0.88	▷ 0.94	▷ -0.02	-0.08	-0.50	LC 1-4
			1.644 Right	Max M _y	▷ -4.03	▷ -0.00	▷ 0.76	▷ 0.00	0.00	-0.00	LC 1-5
				Min M _y	▷ -2.12	▷ 0.01	▷ 1.07	▷ 0.00	-0.14	-0.01	LC 1-4
				Max M _z	▷ -2.80	▷ -1.16	▷ 0.93	▷ 0.02	-0.07	0.65	LC 1-4
				Min M _z	▷ -3.35	▷ 1.18	▷ 0.90	▷ -0.02	-0.06	-0.67	LC 1-5
				Max N	▷ -1.94	▷ -0.12	▷ 1.05	▷ 0.00	-0.13	0.06	LC 1-5
				Min N	▷ -4.21	▷ 0.13	▷ 0.78	▷ -0.00	-0.01	-0.08	LC 1-4
				Max V _y	▷ -3.35	▷ 1.18	▷ 0.90	▷ -0.02	-0.06	-0.67	LC 1-5
				Min V _y	▷ -2.80	▷ -1.16	▷ 0.93	▷ 0.02	-0.07	0.65	LC 1-4
				Max V _z	▷ -2.19	▷ 0.01	▷ 1.09	▷ 0.00	-0.13	-0.01	LC 1-4
				Min V _z	▷ -3.97	▷ 0.00	▷ 0.75	▷ 0.00	-0.00	-0.00	LC 1-5
			2.147 Left	Max M _T	▷ -3.21	▷ -0.87	▷ 0.89	▷ 0.02	-0.06	0.49	LC 1-5
				Min M _T	▷ -2.94	▷ 0.88	▷ 0.94	▷ -0.02	-0.08	-0.50	LC 1-4
				Max M _y	▷ -4.03	▷ -0.00	▷ 0.76	▷ 0.00	0.00	-0.00	LC 1-5
				Min M _y	▷ -2.12	▷ 0.01	▷ 1.07	▷ 0.00	-0.14	-0.01	LC 1-4
				Max M _z	▷ -2.80	▷ -1.16	▷ 0.93	▷ 0.02	-0.07	0.65	LC 1-4
				Min M _z	▷ -3.35	▷ 1.18	▷ 0.90	▷ -0.02	-0.06	-0.67	LC 1-5
				Max N	▷ -1.93	▷ -0.12	▷ 1.44	▷ 0.00	0.53	0.12	LC 1-5
				Min N	▷ -4.21	▷ 0.13	▷ 1.17	▷ -0.00	0.52	-0.15	LC 1-4
				Max V _y	▷ -3.35	▷ 1.18	▷ 1.29	▷ -0.02	0.52	-1.26	LC 1-5
				Min V _y	▷ -2.79	▷ -1.16	▷ 1.32	▷ 0.02	0.53	1.24	LC 1-4
				Max V _z	▷ -2.18	▷ 0.01	▷ 1.48	▷ 0.00	0.55	-0.02	LC 1-4
				Min V _z	▷ -3.96	▷ 0.00	▷ 1.14	▷ 0.00	0.50	-0.01	LC 1-5
				Max M _T	▷ -3.21	▷ -0.87	▷ 1.28	▷ 0.02	0.52	0.92	LC 1-5
				Min M _T	▷ -2.93	▷ 0.88	▷ 1.33	▷ -0.02	0.53	-0.95	LC 1-4
				Max M _y	▷ -2.76	▷ -0.05	▷ 1.41	▷ 0.00	0.56	0.04	LC 1-4

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
249	RC6	117	2.147 Right	Min M _y	-3.37	0.06	1.21	0.00	0.49	-0.07	LC 1-5
				Max M _z	-2.79	-1.16	1.32	0.02	0.53	1.24	LC 1-4
				Min M _z	-3.34	1.18	1.29	-0.02	0.52	-1.26	LC 1-5
				Max N	-1.93	-0.12	1.44	0.00	0.53	0.12	LC 1-5
				Min N	-4.21	0.13	1.17	-0.00	0.52	-0.15	LC 1-4
				Max V _y	-3.35	1.18	1.29	-0.02	0.52	-1.26	LC 1-5
				Min V _y	-2.79	-1.16	1.32	0.02	0.53	1.24	LC 1-4
				Max V _z	-2.18	0.01	1.48	0.00	0.55	-0.02	LC 1-4
				Min V _z	-3.96	0.00	1.14	0.00	0.50	-0.01	LC 1-5
				Max M _T	-3.21	-0.87	1.28	0.02	0.52	0.92	LC 1-5
				Min M _T	-2.93	0.88	1.33	-0.02	0.53	-0.95	LC 1-4
				Max M _y	-2.76	-0.05	1.41	0.00	0.56	0.04	LC 1-4
				Min M _y	-3.37	0.06	1.21	0.00	0.49	-0.07	LC 1-5
				Max M _z	-2.79	-1.16	1.32	0.02	0.53	1.24	LC 1-4
				Min M _z	-3.34	1.18	1.29	-0.02	0.52	-1.26	LC 1-5
				250	RC1	163	0.000 Left	Max N	-1.98	-0.00	-0.71
Min N	-5.38	-0.00	-2.73					-0.00	0.89	0.00	CO 7
Max V _y	-1.98	-0.00	-0.71					-0.00	0.20	0.00	CO 13
Min V _y	-5.37	-0.00	-2.73					-0.00	0.89	0.00	CO 6
Max V _z	-1.98	-0.00	-0.71					-0.00	0.20	0.00	CO 10
Min V _z	-5.38	-0.00	-2.73					-0.00	0.89	0.00	CO 7
Max M _T	-1.98	-0.00	-0.71					-0.00	0.20	0.00	CO 14
Min M _T	-5.37	-0.00	-2.73					-0.00	0.89	0.00	CO 5
Max M _y	-5.38	-0.00	-2.73					-0.00	0.89	0.00	CO 7
Min M _y	-1.98	-0.00	-0.71					-0.00	0.20	0.00	CO 10
Max M _z	-5.37	-0.00	-2.73					-0.00	0.89	0.00	CO 4
Min M _z	-1.98	-0.00	-0.71					-0.00	0.20	0.00	CO 11
Max N	-1.98	-0.00	-0.71					-0.00	0.20	0.00	CO 10
Min N	-5.38	-0.00	-2.73					-0.00	0.89	0.00	CO 7
Max V _y	-1.98	-0.00	-0.71					-0.00	0.20	0.00	CO 13
Min V _y	-5.37	-0.00	-2.73					-0.00	0.89	0.00	CO 6
Max V _z	-1.98	-0.00	-0.71					-0.00	0.20	0.00	CO 10
Min V _z	-5.38	-0.00	-2.73					-0.00	0.89	0.00	CO 7
Max M _T	-1.98	-0.00	-0.71				-0.00	0.20	0.00	CO 14	
Min M _T	-5.37	-0.00	-2.73				-0.00	0.89	0.00	CO 5	
Max M _y	-5.38	-0.00	-2.73				-0.00	0.89	0.00	CO 7	
Min M _y	-1.98	-0.00	-0.71				-0.00	0.20	0.00	CO 10	
Max M _z	-5.37	-0.00	-2.73				-0.00	0.89	0.00	CO 4	
Min M _z	-1.98	-0.00	-0.71				-0.00	0.20	0.00	CO 11	
Max N	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 10	
Min N	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 7	
Max V _y	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 13	
Min V _y	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 6	
Max V _z	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 4	
Min V _z	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 13	
Max M _T	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 4	
Min M _T	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 11	
Max M _y	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 3	
Min M _y	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 14	
Max M _z	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 6	
Min M _z	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 13	
Max N	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 10	
Min N	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 7	
Max V _y	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 13	
Min V _y	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 6	
Max V _z	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 4	
Min V _z	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 13	
Max M _T	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 4	
Min M _T	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 11	
Max M _y	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 3	
Min M _y	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 14	
Max M _z	-4.75	-0.00	1.69				-0.00	0.05	0.01	CO 6	
Min M _z	-1.36	-0.00	0.45				-0.00	-0.01	0.00	CO 13	
Max N	-1.16	-0.00	0.81				-0.00	0.31	0.00	CO 10	
Min N	-4.57	-0.00	2.54				-0.00	1.16	0.01	CO 7	
Max V _y	-1.17	-0.00	0.81				-0.00	0.31	0.00	CO 13	
Min V _y	-4.56	-0.00	2.54				-0.00	1.16	0.01	CO 6	
Max V _z	-4.56	-0.00	2.54				-0.00	1.16	0.01	CO 4	
Min V _z	-1.17	-0.00	0.81				-0.00	0.31	0.00	CO 13	
Max M _T	-4.56	-0.00	2.54				-0.00	1.16	0.01	CO 4	
Min M _T	-1.17	-0.00	0.81				-0.00	0.31	0.00	CO 11	
Max M _y	-4.56	-0.00	2.54				-0.00	1.16	0.01	CO 3	
Min M _y	-1.17	-0.00	0.81				-0.00	0.31	0.00	CO 14	
Max M _z	-4.56	-0.00	2.54				-0.00	1.16	0.01	CO 6	
Min M _z	-1.17	-0.00	0.81				-0.00	0.31	0.00	CO 13	
Max N	-1.16	-0.00	0.81				-0.00	0.31	0.00	CO 10	
Min N	-4.57	-0.00	2.54				-0.00	1.16	0.01	CO 7	
Max V _y	-1.17	-0.00	0.81				-0.00	0.31	0.00	CO 13	
Min V _y	-4.56	-0.00	2.54				-0.00	1.16	0.01	CO 6	
Max V _z	-4.56	-0.00	2.54				-0.00	1.16	0.01	CO 4	
Min V _z	-1.17	-0.00	0.81				-0.00	0.31	0.00	CO 13	
Max M _T	-4.56	-0.00	2.54				-0.00	1.16	0.01	CO 4	
Min M _T	-1.17	-0.00	0.81				-0.00	0.31	0.00	CO 11	
Max M _y	-4.56	-0.00	2.54				-0.00	1.16	0.01	CO 3	
Min M _y	-1.17	-0.00	0.81				-0.00	0.31	0.00	CO 14	
Max M _z	-4.56	-0.00	2.54				-0.00	1.16	0.01	CO 6	
Min M _z	-1.17	-0.00	0.81				-0.00	0.31	0.00	CO 13	
Max N	-1.34	-0.00	-0.47				-0.00	0.13	0.00	CO 24	
Min N	-3.86	-0.00	-1.97				-0.00	0.64	0.00	CO 21	
Max V _y	-1.34	-0.00	-0.47				-0.00	0.13	0.00	CO 27	
Min V _y	-3.86	-0.00	-1.97				-0.00	0.64	0.00	CO 20	
Max V _z	-1.34	-0.00	-0.47				-0.00	0.13	0.00	CO 24	

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
250	RC2		0.000 Right	Min V _z	-3.86	-0.00	▷	-1.97	-0.00	0.64	0.00	CO 21
				Max M _T	-1.34	-0.00	▷	-0.47	-0.00	0.13	0.00	CO 27
				Min M _T	-3.86	-0.00	▷	-1.97	-0.00	0.64	0.00	CO 19
				Max M _y	-3.86	-0.00	▷	-1.97	-0.00	0.64	0.00	CO 21
				Min M _y	-1.34	-0.00	▷	-0.47	-0.00	0.13	0.00	CO 24
				Max M _z	-3.86	-0.00	▷	-1.97	-0.00	0.64	0.00	CO 16
				Min M _z	-1.34	-0.00	▷	-0.47	-0.00	0.13	0.00	CO 25
				Max N	-1.34	-0.00	▷	-0.47	-0.00	0.13	0.00	CO 24
				Min N	-3.86	-0.00	▷	-1.97	-0.00	0.64	0.00	CO 21
				Max V _y	-1.34	-0.00	▷	-0.47	-0.00	0.13	0.00	CO 27
				Min V _y	-3.86	-0.00	▷	-1.97	-0.00	0.64	0.00	CO 20
				Max V _z	-1.34	-0.00	▷	-0.47	-0.00	0.13	0.00	CO 24
				Min V _z	-3.86	-0.00	▷	-1.97	-0.00	0.64	0.00	CO 21
				Max M _T	-1.34	-0.00	▷	-0.47	-0.00	0.13	0.00	CO 27
				Min M _T	-3.86	-0.00	▷	-1.97	-0.00	0.64	0.00	CO 19
				Max M _y	-3.86	-0.00	▷	-1.97	-0.00	0.64	0.00	CO 21
				Min M _y	-1.34	-0.00	▷	-0.47	-0.00	0.13	0.00	CO 24
				Max M _z	-3.86	-0.00	▷	-1.97	-0.00	0.64	0.00	CO 16
				Min M _z	-1.34	-0.00	▷	-0.47	-0.00	0.13	0.00	CO 25
				Max N	-0.92	-0.00	▷	-0.00	-0.01	0.00	CO 24	
				Min N	-3.45	-0.00	▷	1.22	-0.00	0.03	0.01	CO 21
				Max V _y	-0.92	-0.00	▷	0.30	-0.00	-0.01	0.00	CO 27
				Min V _y	-3.44	-0.00	▷	1.22	-0.00	0.03	0.01	CO 20
				Max V _z	-3.44	-0.00	▷	1.22	-0.00	0.03	0.01	CO 18
				Min V _z	-0.92	-0.00	▷	0.30	-0.00	-0.01	0.00	CO 27
				Max M _T	-0.92	-0.00	▷	0.30	-0.00	-0.01	0.00	CO 28
				Min M _T	-3.44	-0.00	▷	1.22	-0.00	0.03	0.01	CO 19
				Max M _y	-3.44	-0.00	▷	1.22	-0.00	0.03	0.01	CO 17
				Min M _y	-0.92	-0.00	▷	0.30	-0.00	-0.01	0.00	CO 28
				Max M _z	-3.44	-0.00	▷	1.22	-0.00	0.03	0.01	CO 20
				Min M _z	-0.92	-0.00	▷	0.30	-0.00	-0.01	0.00	CO 27
				Max N	-0.92	-0.00	▷	0.30	-0.00	-0.01	0.00	CO 24
				Min N	-3.45	-0.00	▷	1.22	-0.00	0.03	0.01	CO 21
				Max V _y	-0.92	-0.00	▷	0.30	-0.00	-0.01	0.00	CO 27
				Min V _y	-3.44	-0.00	▷	1.22	-0.00	0.03	0.01	CO 20
				Max V _z	-3.44	-0.00	▷	1.22	-0.00	0.03	0.01	CO 18
				Min V _z	-0.92	-0.00	▷	0.30	-0.00	-0.01	0.00	CO 27
				Max M _T	-0.92	-0.00	▷	0.30	-0.00	-0.01	0.00	CO 28
				Min M _T	-3.44	-0.00	▷	1.22	-0.00	0.03	0.01	CO 19
				Max M _y	-3.44	-0.00	▷	1.22	-0.00	0.03	0.01	CO 17
				Min M _y	-0.92	-0.00	▷	0.30	-0.00	-0.01	0.00	CO 28
				Max M _z	-3.44	-0.00	▷	1.22	-0.00	0.03	0.01	CO 20
				Min M _z	-0.92	-0.00	▷	0.30	-0.00	-0.01	0.00	CO 27
				Max N	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 24
				Min N	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 21
				Max V _y	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 27
				Min V _y	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 20
				Max V _z	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 18
				Min V _z	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 27
				Max M _T	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 16
				Min M _T	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 25
				Max M _y	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 17
				Min M _y	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 28
				Max M _z	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 20
				Min M _z	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 27
				Max N	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 24
				Min N	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 21
				Max V _y	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 27
				Min V _y	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 20
				Max V _z	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 18
				Min V _z	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 27
				Max M _T	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 16
				Min M _T	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 25
				Max M _y	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 17
				Min M _y	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 28
				Max M _z	-3.32	-0.00	▷	1.83	-0.00	0.83	0.01	CO 20
				Min M _z	-0.79	-0.00	▷	0.54	-0.00	0.21	0.00	CO 27
				Max N	-1.80	-0.02	▷	-1.39	-0.00	0.22	0.03	LC 1-5
				Min N	-3.66	-0.03	▷	-1.66	-0.00	0.79	-0.03	LC 1-4
				Max V _y	-2.58	-0.81	▷	-1.53	-0.01	0.52	0.86	LC 1-4
				Min V _y	-2.88	-0.82	▷	-1.51	0.01	0.48	-0.86	LC 1-5
				Max V _z	-1.99	-0.00	▷	-1.35	-0.00	0.16	0.00	LC 1-4
				Min V _z	-3.47	-0.01	▷	-1.70	-0.00	0.85	-0.00	LC 1-5
				Max M _T	-2.67	-0.22	▷	-1.50	0.02	0.44	-0.23	LC 1-4
				Min M _T	-2.79	0.22	▷	-1.55	-0.02	0.56	0.23	LC 1-5
				Max M _y	-3.49	-0.00	▷	-1.70	-0.00	0.85	0.00	LC 1-5
				Min M _y	-1.97	-0.00	▷	-1.35	-0.00	0.16	-0.00	LC 1-4
				Max M _z	-2.58	-0.81	▷	-1.53	-0.01	0.52	0.86	LC 1-4
				Min M _z	-2.87	-0.82	▷	-1.51	0.01	0.48	-0.86	LC 1-5
				Max N	-1.77	0.02	▷	1.08	-0.00	-0.03	-0.01	LC 1-5



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]						Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z				
250	RC6		Left	Min N	▷ -3.63	-0.03	0.80	-0.00	0.10	0.02	LC 1-4		
				Max V _y	▷ -2.56	0.81	0.93	-0.01	0.04	-0.44	LC 1-4		
				Min V _y	▷ -2.85	-0.82	0.95	0.01	0.03	0.45	LC 1-5		
				Max V _z	-1.96	-0.00	▷ 1.11	-0.00	-0.03	0.00	LC 1-4		
				Min V _z	-3.44	-0.01	▷ 0.77	-0.00	0.10	0.01	LC 1-5		
				Max M _T	-2.64	-0.22	0.97	▷ 0.02	0.02	0.13	LC 1-4		
				Min M _T	-2.76	0.22	0.91	▷ -0.02	0.05	-0.11	LC 1-5		
				Max M _y	-3.50	0.00	0.78	-0.00	▷ 0.11	0.00	LC 1-4		
				Min M _y	-1.90	-0.01	1.10	-0.00	-0.04	0.01	LC 1-5		
				Max M _z	-2.85	-0.82	0.95	0.01	0.03	0.45	LC 1-5		
				Min M _z	-2.55	0.81	0.93	-0.01	0.04	▷ -0.44	LC 1-4		
			1.604 Right	Max N	▷ -1.77	0.02	1.08	-0.00	-0.03	-0.01	LC 1-5		
				Min N	▷ -3.63	-0.03	0.80	-0.00	0.10	0.02	LC 1-4		
				Max V _y	▷ -2.56	0.81	0.93	-0.01	0.04	-0.44	LC 1-4		
				Min V _y	▷ -2.85	-0.82	0.95	0.01	0.03	0.45	LC 1-5		
				Max V _z	-1.96	-0.00	▷ 1.11	-0.00	-0.03	0.00	LC 1-4		
				Min V _z	-3.44	-0.01	▷ 0.77	-0.00	0.10	0.01	LC 1-5		
				Max M _T	-2.64	-0.22	0.97	▷ 0.02	0.02	0.13	LC 1-4		
				Min M _T	-2.76	0.22	0.91	▷ -0.02	0.05	-0.11	LC 1-5		
				Max M _y	-3.50	0.00	0.78	-0.00	▷ 0.11	0.00	LC 1-4		
				Min M _y	-1.90	-0.01	1.10	-0.00	-0.04	0.01	LC 1-5		
				Max M _z	-2.85	-0.82	0.95	0.01	0.03	▷ 0.45	LC 1-5		
				Min M _z	-2.55	0.81	0.93	-0.01	0.04	▷ -0.44	LC 1-4		
			2.107 Left	Max N	▷ -1.76	0.02	1.47	-0.00	0.64	-0.02	LC 1-5		
				Min N	▷ -3.62	-0.03	1.19	-0.00	0.64	0.04	LC 1-4		
				Max V _y	▷ -2.55	0.81	1.32	-0.01	0.64	-0.85	LC 1-4		
				Min V _y	▷ -2.84	-0.82	1.34	0.01	0.64	0.86	LC 1-5		
				Max V _z	-1.95	-0.00	▷ 1.50	-0.00	0.66	0.00	LC 1-4		
				Min V _z	-3.43	-0.01	▷ 1.16	-0.00	0.62	0.01	LC 1-5		
				Max M _T	-2.63	-0.22	1.36	▷ 0.02	0.64	0.24	LC 1-4		
				Min M _T	-2.76	0.22	1.30	▷ -0.02	0.64	-0.22	LC 1-5		
				Max M _y	-2.52	0.03	1.42	-0.00	▷ 0.67	-0.03	LC 1-4		
				Min M _y	-2.86	-0.04	1.24	-0.00	▷ 0.61	0.04	LC 1-5		
				Max M _z	-2.84	-0.82	1.34	0.01	0.64	▷ 0.86	LC 1-5		
				Min M _z	-2.55	0.81	1.32	-0.01	0.64	▷ -0.85	LC 1-4		
		117 2.107 Right	Max N	▷ -1.76	0.02	1.47	-0.00	0.64	-0.02	LC 1-5			
			Min N	▷ -3.62	-0.03	1.19	-0.00	0.64	0.04	LC 1-4			
			Max V _y	▷ -2.55	0.81	1.32	-0.01	0.64	-0.85	LC 1-4			
			Min V _y	▷ -2.84	-0.82	1.34	0.01	0.64	0.86	LC 1-5			
			Max V _z	-1.95	-0.00	▷ 1.50	-0.00	0.66	0.00	LC 1-4			
			Min V _z	-3.43	-0.01	▷ 1.16	-0.00	0.62	0.01	LC 1-5			
			Max M _T	-2.63	-0.22	1.36	▷ 0.02	0.64	0.24	LC 1-4			
			Min M _T	-2.76	0.22	1.30	▷ -0.02	0.64	-0.22	LC 1-5			
			Max M _y	-2.52	0.03	1.42	-0.00	▷ 0.67	-0.03	LC 1-4			
			Min M _y	-2.86	-0.04	1.24	-0.00	▷ 0.61	0.04	LC 1-5			
			Max M _z	-2.84	-0.82	1.34	0.01	0.64	▷ 0.86	LC 1-5			
			Min M _z	-2.55	0.81	1.32	-0.01	0.64	▷ -0.85	LC 1-4			
251	RC1	164	0.000	Max N	▷ -2.09	-0.00	0.07	0.00	0.00	-0.00	CO 12		
				Min N	▷ -4.99	-0.00	0.07	-0.00	-0.00	0.00	CO 1		
				Max V _y	▷ -2.09	-0.00	0.07	0.00	0.00	-0.00	CO 10		
				Min V _y	▷ -4.99	-0.00	0.07	-0.00	-0.00	0.00	CO 2		
				Max V _z	▷ -4.99	-0.00	0.07	-0.00	-0.00	0.00	CO 1		
				Min V _z	-2.09	-0.00	▷ 0.07	0.00	0.00	-0.00	CO 12		
				Max M _T	-2.09	-0.00	0.07	▷ 0.00	0.00	-0.00	CO 13		
				Min M _T	-4.98	-0.00	0.07	▷ -0.00	-0.00	0.00	CO 4		
				Max M _y	-2.09	-0.00	0.07	0.00	▷ 0.00	-0.00	CO 9		
				Min M _y	-4.99	-0.00	0.07	-0.00	▷ -0.00	0.00	CO 2		
				Max M _z	-4.99	-0.00	0.07	-0.00	-0.00	▷ 0.00	CO 3		
				Min M _z	-2.09	-0.00	0.07	0.00	▷ 0.00	-0.00	CO 9		
			165 2.945	Max N	▷ -2.09	0.00	-0.07	0.00	0.00	0.00	CO 12		
				Min N	▷ -4.99	0.00	-0.07	-0.00	-0.00	-0.00	CO 1		
				Max V _y	▷ -4.99	0.00	-0.07	-0.00	-0.00	-0.00	CO 1		
				Min V _y	▷ -2.09	0.00	-0.07	0.00	0.00	0.00	CO 12		
				Max V _z	-2.09	0.00	▷ -0.07	0.00	0.00	0.00	CO 10		
				Min V _z	-4.99	0.00	▷ -0.07	-0.00	-0.00	-0.00	CO 2		
				Max M _T	-2.09	0.00	-0.07	▷ 0.00	0.00	0.00	CO 13		
				Min M _T	-4.98	0.00	-0.07	▷ -0.00	-0.00	-0.00	CO 4		
				Max M _y	-2.09	0.00	-0.07	0.00	▷ 0.00	0.00	CO 9		
				Min M _y	-4.99	0.00	-0.07	-0.00	▷ -0.00	-0.00	CO 2		
				Max M _z	-2.09	0.00	-0.07	0.00	▷ 0.00	0.00	CO 9		
				Min M _z	-4.99	0.00	-0.07	-0.00	▷ -0.00	-0.00	CO 1		
			RC2 164 0.000	Max N	▷ -1.43	-0.00	0.05	0.00	0.00	-0.00	CO 26		
				Min N	▷ -3.58	-0.00	0.05	-0.00	-0.00	0.00	CO 15		
				Max V _y	▷ -1.43	-0.00	0.05	0.00	0.00	-0.00	CO 26		
				Min V _y	▷ -3.58	-0.00	0.05	-0.00	-0.00	0.00	CO 15		
				Max V _z	-3.58	-0.00	▷ 0.05	-0.00	-0.00	0.00	CO 17		
				Min V _z	-1.43	-0.00	▷ 0.05	0.00	0.00	-0.00	CO 26		
				Max M _T	-1.43	-0.00	0.05	▷ 0.00	0.00	-0.00	CO 27		
				Min M _T	-3.58	-0.00	0.05	▷ -0.00	-0.00	0.00	CO 17		
				Max M _y	-1.43	-0.00	0.05	0.00	▷ 0.00	-0.00	CO 23		
				Min M _y	-3.58	-0.00	0.05	-0.00	▷ -0.00	0.00	CO 15		
				Max M _z	-3.58	-0.00	0.05	-0.00	-0.00	▷ 0.00	CO 15		
		Min M _z		-1.43	-0.00	0.05	0.00	▷ 0.00	-0.00	CO 23			
		165 2.945	Max N	▷ -1.43	0.00	-0.05	0.00	0.00	0.00	CO 26			
			Min N	▷ -3.58	0.00	-0.05	-0.00	-0.00	-0.00	CO 15			
			Max V _y	▷ -3.58	0.00	-0.05	-0.00	-0.00	-0.00	CO 17			
			Min V _y	▷ -1.43	0.00	-0.05	0.00	0.00	0.00	CO 26			
			Max V _z	-1.43	0.00	▷ -0.05	0.00	0.00	0.00	CO 26			
			Min V _z	-3.58	0.00	▷ -0.05	-0.00	-0.00	-0.00	CO 15			
			Max M _T	-1.43	0.00	-0.05	▷ 0.00	0.00	0.00	CO 27			
			Min M _T	-3.58	0.00	-0.05	▷ -0.00	-0.00	-0.00	CO 17			
			Max M _y	-1.43	0.00	-0.05	0.00	▷ 0.00	0.00	CO 23			

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
251	RC2	164	0.000	Min M _y	-3.58	0.00	-0.05	-0.00	-0.00	-0.00	CO 15
				Max M _z	-1.43	0.00	-0.05	0.00	0.00	0.00	CO 23
				Min M _z	-3.58	0.00	-0.05	-0.00	-0.00	-0.00	CO 15
				Max N	-1.99	0.00	0.05	-0.00	0.00	0.00	LC 1-5
				Min N	-3.15	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Max V _y	-2.57	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Min V _y	-2.57	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Max V _z	-2.57	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Min V _z	-2.57	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Max M _T	-2.63	0.00	0.05	0.00	0.00	0.00	LC 1-5
				Min M _T	-2.50	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Max M _y	-2.57	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Min M _y	-2.57	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Max M _z	-2.57	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Min M _z	-2.57	0.00	0.05	-0.00	0.00	0.00	LC 1-4
	RC6	165	2.945	Max N	-1.99	0.00	-0.05	-0.00	0.00	0.00	LC 1-5
				Min N	-3.15	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Max V _y	-2.57	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Min V _y	-2.57	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Max V _z	-2.57	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Min V _z	-2.57	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Max M _T	-2.63	0.00	-0.05	0.00	0.00	0.00	LC 1-5
				Min M _T	-2.50	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Max M _y	-2.57	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Min M _y	-2.57	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Max M _z	-2.57	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Min M _z	-2.57	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
253	RC1	165	0.000 Left	Max N	-5.16	0.02	-0.54	0.00	0.08	0.01	CO 9
				Min N	-13.84	0.04	-1.43	0.01	0.35	0.02	CO 8
				Max V _y	-13.83	0.04	-1.43	0.01	0.35	0.02	CO 7
				Min V _y	-5.16	0.02	-0.54	0.00	0.08	0.01	CO 10
				Max V _z	-5.18	0.02	-0.54	0.00	0.08	0.01	CO 12
				Min V _z	-13.81	0.04	-1.43	0.01	0.35	0.02	CO 1
				Max M _T	-13.81	0.04	-1.43	0.01	0.35	0.02	CO 1
				Min M _T	-5.18	0.02	-0.54	0.00	0.08	0.01	CO 12
				Max M _y	-13.81	0.04	-1.43	0.01	0.35	0.02	CO 1
				Min M _y	-5.18	0.02	-0.54	0.00	0.08	0.01	CO 12
				Max M _z	-13.84	0.04	-1.43	0.01	0.35	0.02	CO 8
				Min M _z	-5.18	0.02	-0.54	0.00	0.08	0.01	CO 12
				Max N	-5.16	0.02	-0.54	0.00	0.08	0.01	CO 9
				Min N	-13.84	0.04	-1.43	0.01	0.35	0.02	CO 8
				Max V _y	-13.83	0.04	-1.43	0.01	0.35	0.02	CO 7
				Min V _y	-5.16	0.02	-0.54	0.00	0.08	0.01	CO 10
				Max V _z	-5.18	0.02	-0.54	0.00	0.08	0.01	CO 12
				Min V _z	-13.81	0.04	-1.43	0.01	0.35	0.02	CO 1
				Max M _T	-13.81	0.04	-1.43	0.01	0.35	0.02	CO 1
				Min M _T	-5.18	0.02	-0.54	0.00	0.08	0.01	CO 12
				Max M _y	-13.81	0.04	-1.43	0.01	0.35	0.02	CO 1
				Min M _y	-5.18	0.02	-0.54	0.00	0.08	0.01	CO 12
				Max M _z	-13.84	0.04	-1.43	0.01	0.35	0.02	CO 8
				Min M _z	-5.18	0.02	-0.54	0.00	0.08	0.01	CO 12
				Max N	-5.98	0.01	0.72	0.00	0.25	-0.02	CO 9
				Min N	-14.65	0.02	1.57	0.01	0.48	-0.04	CO 8
				Max V _y	-14.63	0.02	1.57	0.01	0.48	-0.04	CO 1
				Min V _y	-6.00	0.01	0.72	0.00	0.25	-0.02	CO 12
				Max V _z	-14.57	0.02	1.57	0.01	0.48	-0.04	CO 6
				Min V _z	-6.07	0.01	0.72	0.00	0.25	-0.02	CO 13
				Max M _T	-14.55	0.02	1.57	0.01	0.48	-0.04	CO 3
				Min M _T	-6.00	0.01	0.72	0.00	0.25	-0.02	CO 12
				Max M _y	-14.57	0.02	1.57	0.01	0.48	-0.04	CO 6
				Min M _y	-6.07	0.01	0.72	0.00	0.25	-0.02	CO 13
				Max M _z	-6.00	0.01	0.72	0.00	0.25	-0.02	CO 12
				Min M _z	-14.63	0.02	1.57	0.01	0.48	-0.04	CO 1
				Max N	-5.98	0.01	0.72	0.00	0.25	-0.02	CO 9
				Min N	-14.65	0.02	1.57	0.01	0.48	-0.04	CO 8
				Max V _y	-14.63	0.02	1.57	0.01	0.48	-0.04	CO 1
				Min V _y	-6.00	0.01	0.72	0.00	0.25	-0.02	CO 12
				Max V _z	-14.57	0.02	1.57	0.01	0.48	-0.04	CO 6
				Min V _z	-6.07	0.01	0.72	0.00	0.25	-0.02	CO 13
				Max M _T	-14.55	0.02	1.57	0.01	0.48	-0.04	CO 3
				Min M _T	-6.00	0.01	0.72	0.00	0.25	-0.02	CO 12
				Max M _y	-14.57	0.02	1.57	0.01	0.48	-0.04	CO 6
				Min M _y	-6.07	0.01	0.72	0.00	0.25	-0.02	CO 13
				Max M _z	-6.00	0.01	0.72	0.00	0.25	-0.02	CO 12
				Min M _z	-14.63	0.02	1.57	0.01	0.48	-0.04	CO 1
	RC2	165	0.000 Left	Max N	-3.68	0.01	-0.37	0.00	0.06	0.00	CO 23
				Min N	-10.12	0.03	-1.03	0.00	0.26	0.01	CO 22
				Max V _y	-10.11	0.03	-1.03	0.00	0.26	0.01	CO 15
				Min V _y	-3.70	0.01	-0.37	0.00	0.06	0.00	CO 26
				Max V _z	-3.70	0.01	-0.37	0.00	0.06	0.00	CO 26
				Min V _z	-10.11	0.03	-1.03	0.00	0.26	0.01	CO 15
				Max M _T	-10.11	0.03	-1.03	0.00	0.26	0.01	CO 15
				Min M _T	-3.70	0.01	-0.37	0.00	0.06	0.00	CO 26
				Max M _y	-10.11	0.03	-1.03	0.00	0.26	0.01	CO 15
				Min M _y	-3.70	0.01	-0.37	0.00	0.06	0.00	CO 26
				Max M _z	-10.12	0.03	-1.03	0.00	0.26	0.01	CO 21
				Min M _z	-3.70	0.01	-0.37	0.00	0.06	0.00	CO 26
			0.000 Right	Max N	-3.68	0.01	-0.37	0.00	0.06	0.00	CO 23
				Min N	-10.12	0.03	-1.03	0.00	0.26	0.01	CO 22
				Max V _y	-10.11	0.03	-1.03	0.00	0.26	0.01	CO 15
				Min V _y	-3.70	0.01	-0.37	0.00	0.06	0.00	CO 26
				Max V _z	-3.70	0.01	-0.37	0.00	0.06	0.00	CO 26
				Min V _z	-10.11	0.03	-1.03	0.00	0.26	0.01	CO 15
				Max M _T	-10.11	0.03	-1.03	0.00	0.26	0.01	CO 15
				Min M _T	-3.70	0.01	-0.37	0.00	0.06	0.00	CO 26
				Max M _y	-10.11	0.03	-1.03	0.00	0.26	0.01	CO 15
				Min M _y	-3.70	0.01	-0.37	0.00	0.06	0.00	CO 26
				Max M _z	-10.12	0.03	-1.03	0.00	0.26	0.01	CO 21
				Min M _z	-3.70	0.01	-0.37	0.00	0.06	0.00	CO 26



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases				
					N	V _y	V _z	M _T	M _y	M _z					
253	RC2		1.832 Left	Min V _z	-10.11	0.03	▷	-1.03	0.00	0.26	0.01	CO 15			
				Max M _T	-10.11	0.03	▷	-1.03	0.00	0.26	0.01	CO 15			
				Min M _T	-3.70	0.01	▷	-0.37	0.00	0.06	0.00	CO 26			
				Max M _y	-10.11	0.03	▷	-1.03	0.00	0.26	0.01	CO 15			
				Min M _y	-3.70	0.01	▷	-0.37	0.00	0.06	0.00	CO 26			
				Max M _z	-10.12	0.03	▷	-1.03	0.00	0.26	0.01	CO 21			
				Min M _z	-3.70	0.01	▷	-0.37	0.00	0.06	0.00	CO 26			
				Max N	-4.23	0.01	▷	0.47	0.00	0.16	-0.01	CO 23			
				Min N	-10.67	0.02	▷	1.10	0.00	0.33	-0.03	CO 22			
				Max V _y	-10.65	0.02	▷	1.10	0.00	0.32	-0.03	CO 15			
				Min V _y	-4.25	0.01	▷	0.47	0.00	0.16	-0.01	CO 26			
				Max V _z	-10.61	0.02	▷	1.10	0.00	0.33	-0.03	CO 20			
				Min V _z	-4.30	0.01	▷	0.47	0.00	0.16	-0.01	CO 27			
				Max M _T	-10.65	0.02	▷	1.10	0.00	0.32	-0.03	CO 15			
				Min M _T	-4.25	0.01	▷	0.47	0.00	0.16	-0.01	CO 26			
				Max M _y	-10.61	0.02	▷	1.10	0.00	0.33	-0.03	CO 20			
				Min M _y	-4.30	0.01	▷	0.47	0.00	0.16	-0.01	CO 27			
				Max M _z	-4.25	0.01	▷	0.47	0.00	0.16	-0.01	CO 26			
				Min M _z	-10.65	0.02	▷	1.10	0.00	0.32	-0.03	CO 15			
				Max N	-4.23	0.01	▷	0.47	0.00	0.16	-0.01	CO 23			
				Min N	-10.67	0.02	▷	1.10	0.00	0.33	-0.03	CO 22			
				Max V _y	-10.65	0.02	▷	1.10	0.00	0.32	-0.03	CO 15			
				Min V _y	-4.25	0.01	▷	0.47	0.00	0.16	-0.01	CO 26			
				Max V _z	-10.61	0.02	▷	1.10	0.00	0.33	-0.03	CO 20			
				Min V _z	-4.30	0.01	▷	0.47	0.00	0.16	-0.01	CO 27			
				Max M _T	-10.65	0.02	▷	1.10	0.00	0.32	-0.03	CO 15			
				Min M _T	-4.25	0.01	▷	0.47	0.00	0.16	-0.01	CO 26			
				Max M _y	-10.61	0.02	▷	1.10	0.00	0.33	-0.03	CO 20			
				Min M _y	-4.30	0.01	▷	0.47	0.00	0.16	-0.01	CO 27			
				Max M _z	-4.25	0.01	▷	0.47	0.00	0.16	-0.01	CO 26			
				Min M _z	-10.65	0.02	▷	1.10	0.00	0.32	-0.03	CO 15			
				RC6	165	0.000 Left	Max N	-4.71	-0.18	-0.72	0.00	0.17	-0.17	LC 1-5	
							Min N	-14.15	0.20	-0.82	0.00	0.32	0.18	LC 1-4	
							Max V _y	-10.02	2.64	-0.77	0.00	0.24	2.40	LC 1-4	
							Min V _y	-8.84	-2.61	-0.78	0.00	0.25	-2.39	LC 1-5	
							Max V _z	-6.01	0.08	-0.70	0.00	0.17	0.07	LC 1-5	
							Min V _z	-12.85	-0.06	-0.84	0.00	0.32	-0.06	LC 1-4	
							Max M _T	-10.06	1.63	-0.81	0.00	0.27	1.48	LC 1-4	
							Min M _T	-8.80	-1.60	-0.74	0.00	0.23	-1.47	LC 1-5	
							Max M _y	-13.47	-0.13	-0.84	0.00	0.33	-0.12	LC 1-4	
	Min M _y	-5.39	0.16				-0.71	0.00	0.16	0.14	LC 1-5				
	Max M _z	-10.01	2.64				-0.77	0.00	0.24	2.40	LC 1-4				
	Min M _z	-8.85	-2.61				-0.78	0.00	0.25	-2.39	LC 1-5				
	Max N	-4.71	-0.18				-0.72	0.00	0.17	-0.17	LC 1-5				
	Min N	-14.15	0.20				-0.82	0.00	0.32	0.18	LC 1-4				
	Max V _y	-10.02	2.64				-0.77	0.00	0.24	2.40	LC 1-4				
	Min V _y	-8.84	-2.61				-0.78	0.00	0.25	-2.39	LC 1-5				
	Max V _z	-6.01	0.08				-0.70	0.00	0.17	0.07	LC 1-5				
	Min V _z	-12.85	-0.06				-0.84	0.00	0.32	-0.06	LC 1-4				
	Max M _T	-10.06	1.63				-0.81	0.00	0.27	1.48	LC 1-4				
	Min M _T	-8.80	-1.60				-0.74	0.00	0.23	-1.47	LC 1-5				
	Max M _y	-13.47	-0.13				-0.84	0.00	0.33	-0.12	LC 1-4				
	Min M _y	-5.39	0.16				-0.71	0.00	0.16	0.14	LC 1-5				
	Max M _z	-10.01	2.64				-0.77	0.00	0.24	2.40	LC 1-4				
	Min M _z	-8.85	-2.61				-0.78	0.00	0.25	-2.39	LC 1-5				
	Max N	-4.74	-0.18				0.61	0.00	0.07	0.16	LC 1-5				
	Min N	-14.19	0.20				0.52	0.00	0.04	-0.20	LC 1-4				
	Max V _y	-10.05	2.64				0.57	0.00	0.05	-2.43	LC 1-4				
	Min V _y	-8.88	-2.61				0.56	0.00	0.06	2.39	LC 1-5				
	Max V _z	-6.05	0.08				0.64	0.00	0.10	-0.08	LC 1-5				
	Min V _z	-12.89	-0.06				0.50	0.00	0.00	0.04	LC 1-4				
	Max M _T	-10.10	1.63				0.53	0.00	0.01	-1.51	LC 1-4				
	Min M _T	-8.83	-1.60				0.60	0.00	0.10	1.47	LC 1-5				
	Max M _y	-9.04	-0.02				0.63	0.00	0.13	0.01	LC 1-5				
	Min M _y	-9.89	0.05				0.50	0.00	-0.02	-0.05	LC 1-4				
	Max M _z	-8.88	-2.61				0.56	0.00	0.06	2.39	LC 1-5				
	Min M _z	-10.06	2.64				0.57	0.00	0.05	-2.43	LC 1-4				
	254	RC1	166				0.000	Max N	-2.31	0.00	▷	0.07	0.00	0.00	CO 12
								Min N	-8.04	0.00	▷	0.08	0.00	-0.00	CO 1
								Max V _y	-8.03	0.00	▷	0.08	0.00	-0.00	CO 2
								Min V _y	-2.32	0.00	▷	0.07	0.00	-0.00	CO 13
				Max V _z	-8.03	0.00		▷	0.08	0.00	-0.00	CO 2			
				Min V _z	-2.31	0.00		▷	0.07	0.00	-0.00	CO 12			
				Max M _T	-8.03	0.00		▷	0.08	0.00	-0.00	CO 8			
				Min M _T	-2.32	0.00		▷	0.07	0.00	-0.00	CO 9			
				Max M _y	-2.32	0.00		▷	0.07	0.00	-0.00	CO 9			
				Min M _y	-8.04	0.00		▷	0.08	0.00	-0.00	CO 1			
				Max M _z	-2.32	0.00		▷	0.07	0.00	-0.00	CO 9			
				Min M _z	-8.04	0.00		▷	0.08	0.00	-0.00	CO 1			
				Max N	-2.31	-0.00		▷	-0.07	0.00	0.00	CO 12			
Min N				-8.04	0.00	▷		0.08	0.00	-0.00	CO 1				
Max V _y				-8.03	0.00	▷		0.08	0.00	-0.00	CO 2				
Min V _y				-2.32	0.00	▷		0.07	0.00	-0.00	CO 13				

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
254	RC1			Min N	-8.04	-0.00	-0.08	0.00	-0.00	0.00	CO 1
				Max V _y	-2.32	-0.00	-0.07	0.00	0.00	0.00	CO 9
				Min V _y	-8.03	-0.00	-0.08	0.00	-0.00	0.00	CO 6
				Max V _z	-2.31	-0.00	-0.07	0.00	0.00	0.00	CO 12
				Min V _z	-8.04	-0.00	-0.08	0.00	-0.00	0.00	CO 1
				Max M _T	-8.03	-0.00	-0.08	0.00	-0.00	0.00	CO 8
				Min M _T	-2.32	-0.00	-0.07	0.00	0.00	0.00	CO 9
				Max M _y	-2.32	-0.00	-0.07	0.00	0.00	0.00	CO 9
				Min M _y	-8.04	-0.00	-0.08	0.00	-0.00	0.00	CO 1
				Max M _z	-2.32	-0.00	-0.07	0.00	0.00	0.00	CO 11
				Min M _z	-8.04	-0.00	-0.08	0.00	-0.00	0.00	CO 1
	RC2	166	0.000	Max N	-1.57	0.00	0.05	0.00	0.00	-0.00	CO 26
				Min N	-5.81	0.00	0.05	0.00	-0.00	-0.00	CO 15
				Max V _y	-5.81	0.00	0.05	0.00	-0.00	-0.00	CO 18
				Min V _y	-1.58	0.00	0.05	0.00	0.00	-0.00	CO 27
				Max V _z	-5.81	0.00	0.05	0.00	-0.00	-0.00	CO 15
				Min V _z	-1.57	0.00	0.05	0.00	0.00	-0.00	CO 26
				Max M _T	-5.81	0.00	0.05	0.00	-0.00	-0.00	CO 22
				Min M _T	-1.58	0.00	0.05	0.00	0.00	-0.00	CO 23
				Max M _y	-1.58	0.00	0.05	0.00	0.00	-0.00	CO 23
				Min M _y	-5.81	0.00	0.05	0.00	-0.00	-0.00	CO 15
				Max M _z	-1.58	0.00	0.05	0.00	0.00	-0.00	CO 23
				Min M _z	-5.81	0.00	0.05	0.00	-0.00	-0.00	CO 15
		167	2.945	Max N	-1.57	-0.00	-0.05	0.00	-0.00	0.00	CO 26
				Min N	-5.81	-0.00	-0.05	0.00	-0.00	0.00	CO 15
				Max V _y	-1.58	-0.00	-0.05	0.00	0.00	0.00	CO 27
				Min V _y	-5.81	-0.00	-0.05	0.00	-0.00	0.00	CO 17
				Max V _z	-1.57	-0.00	-0.05	0.00	0.00	0.00	CO 26
				Min V _z	-5.81	-0.00	-0.05	0.00	-0.00	0.00	CO 17
				Max M _T	-5.81	-0.00	-0.05	0.00	-0.00	0.00	CO 22
				Min M _T	-1.58	-0.00	-0.05	0.00	0.00	0.00	CO 23
				Max M _y	-1.58	-0.00	-0.05	0.00	0.00	0.00	CO 23
				Min M _y	-5.81	-0.00	-0.05	0.00	-0.00	0.00	CO 15
				Max M _z	-1.58	-0.00	-0.05	0.00	0.00	0.00	CO 23
				Min M _z	-5.81	-0.00	-0.05	0.00	-0.00	0.00	CO 15
	RC6	166	0.000	Max N	-4.38	0.00	0.05	0.00	0.00	0.00	LC 1-5
				Min N	-4.76	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Max V _y	-4.58	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Min V _y	-4.58	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Max V _z	-4.58	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Min V _z	-4.58	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Max M _T	-4.55	0.00	0.05	0.00	0.00	0.00	LC 1-5
				Min M _T	-4.60	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Max M _y	-4.58	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Min M _y	-4.58	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Max M _z	-4.58	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Min M _z	-4.58	0.00	0.05	0.00	0.00	0.00	LC 1-4
		167	2.945	Max N	-4.38	0.00	-0.05	0.00	0.00	0.00	LC 1-5
				Min N	-4.76	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Max V _y	-4.58	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Min V _y	-4.58	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Max V _z	-4.58	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Min V _z	-4.58	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Max M _T	-4.55	0.00	-0.05	0.00	0.00	0.00	LC 1-5
				Min M _T	-4.60	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Max M _y	-4.58	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Min M _y	-4.58	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Max M _z	-4.58	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Min M _z	-4.58	0.00	-0.05	0.00	0.00	0.00	LC 1-4
255	RC1	166	0.000 Left	Max N	1.04	-0.00	-2.21	0.00	0.75	-0.01	CO 5
				Min N	-0.14	-0.00	-0.59	0.00	0.22	-0.00	CO 14
				Max V _y	1.03	-0.00	-2.21	0.00	0.75	-0.01	CO 8
				Min V _y	-0.13	-0.00	-0.59	0.00	0.22	-0.00	CO 9
				Max V _z	-0.13	-0.00	-0.59	0.00	0.22	-0.00	CO 12
				Min V _z	1.03	-0.00	-2.21	0.00	0.75	-0.01	CO 1
				Max M _T	-0.13	-0.00	-0.59	0.00	0.22	-0.00	CO 9
				Min M _T	1.03	-0.00	-2.21	0.00	0.75	-0.01	CO 7
				Max M _y	1.03	-0.00	-2.21	0.00	0.75	-0.01	CO 1
				Min M _y	-0.13	-0.00	-0.59	0.00	0.22	-0.00	CO 12
				Max M _z	-0.13	-0.00	-0.59	0.00	0.22	-0.00	CO 9
				Min M _z	1.03	-0.00	-2.21	0.00	0.75	-0.01	CO 8
			0.000 Right	Max N	1.04	-0.00	-2.21	0.00	0.75	-0.01	CO 5
				Min N	-0.14	-0.00	-0.59	0.00	0.22	-0.00	CO 14
				Max V _y	1.03	-0.00	-2.21	0.00	0.75	-0.01	CO 8
				Min V _y	-0.13	-0.00	-0.59	0.00	0.22	-0.00	CO 9
				Max V _z	-0.13	-0.00	-0.59	0.00	0.22	-0.00	CO 12
				Min V _z	1.03	-0.00	-2.21	0.00	0.75	-0.01	CO 1
				Max M _T	-0.13	-0.00	-0.59	0.00	0.22	-0.00	CO 9
				Min M _T	1.03	-0.00	-2.21	0.00	0.75	-0.01	CO 7
				Max M _y	1.03	-0.00	-2.21	0.00	0.75	-0.01	CO 1
				Min M _y	-0.13	-0.00	-0.59	0.00	0.22	-0.00	CO 12
				Max M _z	-0.13	-0.00	-0.59	0.00	0.22	-0.00	CO 9
				Min M _z	1.03	-0.00	-2.21	0.00	0.75	-0.01	CO 8
			1.265 Left	Max N	1.63	-0.00	1.00	0.00	-0.01	-0.00	CO 5
				Min N	0.46	-0.00	0.25	0.00	0.00	0.00	CO 14
				Max V _y	1.63	0.00	1.00	0.00	-0.01	-0.00	CO 6
				Min V _y	0.46	0.00	0.25	0.00	0.00	0.00	CO 9
				Max V _z	1.63	0.00	1.00	0.00	-0.01	-0.00	CO 6
				Min V _z	0.46	0.00	0.25	0.00	0.00	0.00	CO 13
				Max M _T	0.46	-0.00	0.25	0.00	0.00	0.00	CO 9
				Min M _T	1.63	0.00	1.00	0.00	-0.01	-0.00	CO 8
				Max M _y	0.46	-0.00	0.25	0.00	0.00	0.00	CO 9



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]			Moments [kNm]			Corresponding Load Cases			
				N	V _y	V _z	M _T	M _y	M _z				
255	RC1		1.265 Right	Min M _y	1.63	-0.00	1.00	0.00	▷	-0.01	-0.00	CO 1	
				Max M _z	0.46	-0.00	0.25	0.00	0.00	▷	0.00	0.00	CO 9
				Min M _z	1.63	0.00	1.00	0.00	0.00	▷	-0.01	-0.00	CO 6
				Max N	1.63	-0.00	1.00	0.00	0.00	▷	-0.01	-0.00	CO 5
				Min N	0.46	-0.00	0.25	0.00	0.00	0.00	0.00	0.00	CO 14
				Max V _y	1.63	0.00	1.00	0.00	0.00	▷	-0.01	-0.00	CO 6
				Min V _y	0.46	-0.00	0.25	0.00	0.00	0.00	0.00	0.00	CO 9
				Max V _z	1.63	0.00	1.00	0.00	0.00	▷	-0.01	-0.00	CO 6
				Min V _z	0.46	-0.00	0.25	0.00	0.00	0.00	0.00	0.00	CO 13
				Max M _T	0.46	-0.00	0.25	▷	0.00	0.00	0.00	0.00	CO 9
				Min M _T	1.63	0.00	1.00	▷	0.00	0.00	-0.01	-0.00	CO 8
				Max M _y	0.46	-0.00	0.25	▷	0.00	▷	0.00	0.00	CO 9
				Min M _y	1.63	-0.00	1.00	▷	0.00	▷	-0.01	-0.00	CO 1
				Max M _z	0.46	-0.00	0.25	0.00	0.00	▷	0.00	0.00	CO 9
				Min M _z	1.63	0.00	1.00	0.00	0.00	▷	-0.01	-0.00	CO 6
				Max N	1.85	0.00	1.74	0.00	0.65	▷	-0.00	0.01	CO 5
				Min N	0.68	-0.00	0.56	0.00	0.19	▷	0.01	0.01	CO 14
				Max V _y	1.85	0.00	1.74	▷	0.00	▷	0.65	-0.00	CO 6
				Min V _y	0.68	-0.00	0.56	▷	0.00	▷	0.19	0.01	CO 9
				Max V _z	1.85	0.00	1.74	▷	0.00	▷	0.65	-0.00	CO 6
			Min V _z	0.68	-0.00	0.56	▷	0.00	▷	0.19	0.01	CO 13	
			Max M _T	0.68	-0.00	0.56	▷	0.00	▷	0.19	0.01	CO 9	
			Min M _T	1.85	0.00	1.74	▷	0.00	▷	0.65	-0.00	CO 8	
			Max M _y	1.85	0.00	1.74	▷	0.00	▷	0.65	-0.00	CO 6	
			Min M _y	0.68	-0.00	0.56	▷	0.00	▷	0.19	0.01	CO 13	
			Max M _z	0.68	-0.00	0.56	▷	0.00	▷	0.19	0.01	CO 9	
			Min M _z	1.85	0.00	1.74	▷	0.00	▷	0.65	-0.00	CO 6	
			Max N	1.85	0.00	1.74	▷	0.00	▷	0.65	-0.00	CO 5	
			Min N	0.68	-0.00	0.56	▷	0.00	▷	0.19	0.01	CO 14	
			Max V _y	1.85	0.00	1.74	▷	0.00	▷	0.65	-0.00	CO 6	
			Min V _y	0.68	-0.00	0.56	▷	0.00	▷	0.19	0.01	CO 9	
			Max V _z	1.85	0.00	1.74	▷	0.00	▷	0.65	-0.00	CO 6	
			Min V _z	0.68	-0.00	0.56	▷	0.00	▷	0.19	0.01	CO 13	
			Max M _T	0.68	-0.00	0.56	▷	0.00	▷	0.19	0.01	CO 9	
			Min M _T	1.85	0.00	1.74	▷	0.00	▷	0.65	-0.00	CO 8	
			Max M _y	1.85	0.00	1.74	▷	▷	0.00	0.65	-0.00	CO 6	
			Min M _y	0.68	-0.00	0.56	▷	▷	0.00	0.19	0.01	CO 13	
			Max M _z	0.68	-0.00	0.56	▷	▷	0.00	0.19	0.01	CO 9	
			Min M _z	1.85	0.00	1.74	▷	▷	0.00	0.65	-0.00	CO 6	
			Max N	0.78	-0.00	-1.59	▷	0.00	▷	0.54	-0.00	CO 19	
	Min N	-0.08	-0.00	-0.40	▷	0.00	▷	0.15	-0.00	CO 28			
	Max V _y	0.77	-0.00	-1.59	▷	0.00	▷	0.54	-0.00	CO 20			
	Min V _y	-0.08	-0.00	-0.40	▷	0.00	▷	0.15	-0.00	CO 23			
	Max V _z	-0.08	-0.00	-0.40	▷	0.00	▷	0.15	-0.00	CO 26			
	Min V _z	0.77	-0.00	-1.60	▷	0.00	▷	0.54	-0.00	CO 15			
	Max M _T	0.77	-0.00	-1.60	▷	0.00	▷	0.54	-0.00	CO 17			
	Min M _T	-0.08	-0.00	-0.40	▷	0.00	▷	0.15	-0.00	CO 28			
	Max M _y	0.77	-0.00	-1.60	▷	▷	0.00	0.54	-0.00	CO 15			
	Min M _y	-0.08	-0.00	-0.40	▷	▷	0.00	0.15	-0.00	CO 26			
	Max M _z	-0.08	-0.00	-0.40	▷	▷	0.00	0.15	-0.00	CO 23			
	Min M _z	0.77	-0.00	-1.59	▷	▷	0.00	0.54	-0.00	CO 20			
	Max N	0.78	-0.00	-1.59	▷	▷	0.00	0.54	-0.00	CO 19			
	Min N	-0.08	-0.00	-0.40	▷	▷	0.00	0.15	-0.00	CO 28			
	Max V _y	0.77	-0.00	-1.59	▷	▷	0.00	0.54	-0.00	CO 20			
	Min V _y	-0.08	-0.00	-0.40	▷	▷	0.00	0.15	-0.00	CO 23			
	Max V _z	-0.08	-0.00	-0.40	▷	▷	0.00	0.15	-0.00	CO 26			
	Min V _z	0.77	-0.00	-1.60	▷	▷	0.00	0.54	-0.00	CO 15			
	Max M _T	0.77	-0.00	-1.60	▷	▷	0.00	0.54	-0.00	CO 17			
	Min M _T	-0.08	-0.00	-0.40	▷	▷	0.00	0.15	-0.00	CO 28			
	Max M _y	0.77	-0.00	-1.60	▷	▷	▷	0.54	-0.00	CO 15			
	Min M _y	-0.08	-0.00	-0.40	▷	▷	▷	0.15	-0.00	CO 26			
	Max M _z	-0.08	-0.00	-0.40	▷	▷	▷	0.15	-0.00	CO 23			
	Min M _z	0.77	-0.00	-1.59	▷	▷	▷	0.54	-0.00	CO 20			
	Max N	1.18	-0.00	0.72	▷	0.00	▷	-0.01	-0.00	CO 19			
	Min N	0.32	-0.00	0.16	▷	0.00	▷	0.00	0.00	CO 28			
	Max V _y	1.18	-0.00	0.72	▷	0.00	▷	-0.01	-0.00	CO 20			
	Min V _y	0.32	-0.00	0.16	▷	0.00	▷	0.00	0.00	CO 23			
	Max V _z	1.18	-0.00	0.72	▷	0.00	▷	-0.01	-0.00	CO 20			
	Min V _z	0.32	-0.00	0.16	▷	0.00	▷	0.00	0.00	CO 27			
	Max M _T	0.32	-0.00	0.16	▷	▷	0.00	0.00	0.00	CO 23			
	Min M _T	1.17	-0.00	0.72	▷	▷	▷	0.00	0.00	CO 22			
	Max M _y	0.32	-0.00	0.16	▷	▷	▷	-0.01	-0.00	CO 25			
	Min M _y	1.17	-0.00	0.72	▷	▷	▷	0.00	-0.01	CO 16			
	Max M _z	0.32	-0.00	0.16	▷	▷	▷	0.00	0.00	CO 23			
	Min M _z	1.18	-0.00	0.72	▷	▷	▷	-0.01	-0.00	CO 20			
	Max N	1.32	-0.00	1.25	▷	▷	▷	0.00	0.47	-0.00	CO 19		
	Min N	0.46	-0.00	0.37	▷	▷	▷	0.00	0.13	0.00	CO 28		
	Max V _y	1.32	-0.00	1.25	▷	▷	▷	0.00	0.47	-0.00	CO 20		
	Min V _y	0.47	-0.00	0.37	▷	▷	▷	0.00	0.13	0.00	CO 23		
	Max V _z	1.32	-0.00	1.25	▷	▷	▷	0.00	0.47	-0.00	CO 20		
Min V _z	0.47	-0.00	0.37	▷	▷	▷	0.00	0.13	0.00	CO 23			
Max M _T	0.47	-0.00	0.37	▷	▷	▷	0.00	0.47	-0.00	CO 20			



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
255	RC2	105	1.729 Right	Min V _z	0.47	-0.00	0.37	0.00	0.13	0.00	CO 27
				Max M _T	0.47	-0.00	0.37	0.00	0.13	0.00	CO 23
				Min M _T	1.32	0.00	1.25	0.00	0.47	-0.00	CO 22
				Max M _y	1.32	0.00	1.25	0.00	0.47	-0.00	CO 20
				Min M _y	0.47	-0.00	0.37	0.00	0.13	0.00	CO 27
				Max M _z	0.47	-0.00	0.37	0.00	0.13	0.00	CO 23
				Min M _z	1.32	0.00	1.25	0.00	0.47	-0.00	CO 20
				Max N	1.32	-0.00	1.25	0.00	0.47	-0.00	CO 19
				Min N	0.46	-0.00	0.37	0.00	0.13	0.00	CO 28
				Max V _y	1.32	0.00	1.25	0.00	0.47	-0.00	CO 20
				Min V _y	0.47	-0.00	0.37	0.00	0.13	0.00	CO 23
				Max V _z	1.32	0.00	1.25	0.00	0.47	-0.00	CO 20
				Min V _z	0.47	-0.00	0.37	0.00	0.13	0.00	CO 27
				Max M _T	0.47	-0.00	0.37	0.00	0.13	0.00	CO 23
				Min M _T	1.32	0.00	1.25	0.00	0.47	-0.00	CO 22
				Max M _y	1.32	0.00	1.25	0.00	0.47	-0.00	CO 20
				Min M _y	0.47	-0.00	0.37	0.00	0.13	0.00	CO 27
				Max M _z	0.47	-0.00	0.37	0.00	0.13	0.00	CO 23
				Min M _z	1.32	0.00	1.25	0.00	0.47	-0.00	CO 20
	RC6	166	0.000 Left	Max N	3.10	-2.82	-1.20	-0.00	0.36	-2.47	LC 1-5
				Min N	-1.15	2.82	-1.28	0.00	0.48	2.46	LC 1-4
				Max V _y	-0.77	3.37	-1.24	0.00	0.41	2.95	LC 1-5
				Min V _y	2.72	-3.38	-1.24	-0.00	0.43	-2.96	LC 1-4
				Max V _z	1.58	0.10	-0.91	0.00	-0.12	0.09	LC 1-5
				Min V _z	0.37	-0.11	-1.57	0.00	0.97	-0.09	LC 1-4
				Max M _T	0.66	1.38	-1.28	0.00	0.49	1.24	LC 1-4
				Min M _T	1.29	-1.39	-1.20	-0.00	0.35	-1.24	LC 1-5
				Max M _y	0.38	-0.13	-1.57	0.00	0.97	-0.11	LC 1-4
				Min M _y	1.57	0.12	-0.91	0.00	-0.12	0.10	LC 1-5
				Max M _z	-0.77	3.37	-1.24	0.00	0.41	2.95	LC 1-4
				Min M _z	2.72	-3.38	-1.24	-0.00	0.43	-2.96	LC 1-5
			0.000 Right	Max N	3.10	-2.82	-1.20	-0.00	0.36	-2.47	LC 1-5
				Min N	-1.15	2.82	-1.28	0.00	0.48	2.46	LC 1-4
				Max V _y	-0.77	3.37	-1.24	0.00	0.41	2.95	LC 1-5
				Min V _y	2.72	-3.38	-1.24	-0.00	0.43	-2.96	LC 1-4
				Max V _z	1.58	0.10	-0.91	0.00	-0.12	0.09	LC 1-5
				Min V _z	0.37	-0.11	-1.57	0.00	0.97	-0.09	LC 1-4
				Max M _T	0.66	1.38	-1.28	0.00	0.49	1.24	LC 1-4
				Min M _T	1.29	-1.39	-1.20	-0.00	0.35	-1.24	LC 1-5
				Max M _y	0.38	-0.13	-1.57	0.00	0.97	-0.11	LC 1-4
				Min M _y	1.57	0.12	-0.91	0.00	-0.12	0.10	LC 1-5
				Max M _z	-0.77	3.37	-1.24	0.00	0.41	2.95	LC 1-4
				Min M _z	2.72	-3.38	-1.24	-0.00	0.43	-2.96	LC 1-5
			1.265 Left	Max N	3.12	-2.82	0.59	-0.00	-0.02	-1.10	LC 1-5
				Min N	-1.12	2.82	0.51	0.00	-0.00	-1.10	LC 1-4
				Max V _y	-0.75	3.37	0.56	0.00	-0.02	-1.31	LC 1-5
				Min V _y	2.75	-3.38	0.55	-0.00	-0.01	1.31	LC 1-4
				Max V _z	1.61	0.10	0.88	0.00	-0.14	-0.04	LC 1-5
				Min V _z	0.39	-0.11	0.22	0.00	0.11	0.04	LC 1-4
				Max M _T	0.69	1.38	0.51	0.00	0.00	-0.52	LC 1-4
				Min M _T	1.31	-1.39	0.59	-0.00	-0.03	0.51	LC 1-5
				Max M _y	0.43	-0.18	0.22	0.00	0.11	0.07	LC 1-4
				Min M _y	1.57	0.18	0.88	0.00	-0.14	-0.08	LC 1-5
				Max M _z	2.76	-3.38	0.54	-0.00	-0.01	1.31	LC 1-4
				Min M _z	-0.76	3.37	0.56	0.00	-0.02	-1.31	LC 1-5
			1.265 Right	Max N	3.12	-2.82	0.59	-0.00	-0.02	-1.10	LC 1-5
				Min N	-1.12	2.82	0.51	0.00	-0.00	-1.11	LC 1-4
				Max V _y	-0.75	3.37	0.56	0.00	-0.02	-1.31	LC 1-5
				Min V _y	2.75	-3.38	0.55	-0.00	-0.01	1.31	LC 1-4
				Max V _z	1.61	0.10	0.88	0.00	-0.14	-0.04	LC 1-5
				Min V _z	0.39	-0.11	0.22	0.00	0.11	0.04	LC 1-4
				Max M _T	0.69	1.38	0.51	0.00	0.00	-0.52	LC 1-4
				Min M _T	1.31	-1.39	0.59	-0.00	-0.03	0.51	LC 1-5
				Max M _y	0.43	-0.18	0.22	0.00	0.11	0.07	LC 1-4
				Min M _y	1.57	0.18	0.88	0.00	-0.14	-0.08	LC 1-5
				Max M _z	2.76	-3.38	0.54	-0.00	-0.01	1.31	LC 1-4
				Min M _z	-0.76	3.37	0.56	0.00	-0.02	-1.31	LC 1-5
			1.729 Left	Max N	3.13	-2.82	0.92	-0.00	0.35	2.41	LC 1-5
				Min N	-1.11	2.82	0.84	0.00	0.34	-2.41	LC 1-4
				Max V _y	-0.74	3.37	0.88	0.00	0.34	-2.88	LC 1-5
				Min V _y	2.76	-3.38	0.88	-0.00	0.35	2.88	LC 1-4
				Max V _z	1.62	0.10	1.21	0.00	0.37	-0.09	LC 1-5
				Min V _z	0.40	-0.11	0.55	0.00	0.32	0.09	LC 1-4
				Max M _T	0.70	1.38	0.84	0.00	0.34	-1.16	LC 1-4
				Min M _T	1.32	-1.39	0.92	-0.00	0.35	1.16	LC 1-5
				Max M _y	1.77	-0.25	1.19	0.00	0.38	0.22	LC 1-5
				Min M _y	0.25	0.25	0.57	0.00	0.31	-0.22	LC 1-4
				Max M _z	2.76	-3.38	0.88	-0.00	0.35	2.88	LC 1-4
				Min M _z	-0.74	3.37	0.89	0.00	0.34	-2.88	LC 1-5
256	RC1	167	0.000	Max N	-2.26	-0.00	-0.61	0.00	0.14	0.00	CO 9



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
256	RC1		Left	Min N	▷ -6.71	0.00	-2.13	-0.00	0.49	0.00	CO 8
				Max V _y	▷ -6.70	0.00	-2.13	-0.00	0.49	0.00	CO 5
				Min V _y	▷ -2.26	-0.00	-0.61	0.00	0.14	0.00	CO 10
				Max V _z	▷ -2.26	-0.00	-0.60	0.00	0.14	0.00	CO 12
				Min V _z	▷ -6.70	0.00	-2.13	-0.00	0.49	0.00	CO 1
				Max M _T	▷ -2.26	-0.00	-0.61	▷ 0.00	0.14	0.00	CO 13
				Min M _T	▷ -6.70	0.00	-2.13	▷ -0.00	0.49	0.00	CO 6
				Max M _y	▷ -6.70	0.00	-2.13	-0.00	▷ 0.49	0.00	CO 1
				Min M _y	▷ -2.26	-0.00	-0.60	0.00	▷ 0.14	0.00	CO 12
				Max M _z	▷ -6.71	0.00	-2.13	-0.00	▷ 0.49	0.00	CO 8
				Min M _z	▷ -2.26	-0.00	-0.61	0.00	▷ 0.14	0.00	CO 9
			0.000 Right	Max N	▷ -2.26	-0.00	-0.61	0.00	0.14	0.00	CO 9
				Min N	▷ -6.71	0.00	-2.13	-0.00	0.49	0.00	CO 8
				Max V _y	▷ -6.70	0.00	-2.13	-0.00	0.49	0.00	CO 5
				Min V _y	▷ -2.26	-0.00	-0.61	0.00	0.14	0.00	CO 10
				Max V _z	▷ -2.26	-0.00	-0.60	0.00	0.14	0.00	CO 12
				Min V _z	▷ -6.70	0.00	-2.13	-0.00	0.49	0.00	CO 1
				Max M _T	▷ -2.26	-0.00	-0.61	▷ 0.00	0.14	0.00	CO 13
				Min M _T	▷ -6.70	0.00	-2.13	▷ -0.00	0.49	0.00	CO 6
				Max M _y	▷ -6.70	0.00	-2.13	-0.00	▷ 0.49	0.00	CO 1
				Min M _y	▷ -2.26	-0.00	-0.60	0.00	▷ 0.14	0.00	CO 12
				Max M _z	▷ -6.71	0.00	-2.13	-0.00	▷ 0.49	0.00	CO 8
				Min M _z	▷ -2.26	-0.00	-0.61	0.00	▷ 0.14	0.00	CO 9
			1.832 Left	Max N	▷ -3.07	-0.00	-0.65	0.00	0.17	0.00	CO 9
				Min N	▷ -7.52	0.00	2.59	-0.00	0.91	-0.00	CO 8
				Max V _y	▷ -7.52	0.00	2.59	-0.00	0.91	-0.00	CO 7
				Min V _y	▷ -3.07	-0.00	0.65	0.00	0.18	0.00	CO 10
				Max V _z	▷ -7.51	0.00	2.59	-0.00	0.91	-0.00	CO 6
				Min V _z	▷ -3.08	-0.00	0.65	0.00	0.17	0.00	CO 13
				Max M _T	▷ -3.08	-0.00	0.65	▷ 0.00	0.17	0.00	CO 13
				Min M _T	▷ -7.51	0.00	2.59	▷ -0.00	0.91	-0.00	CO 6
				Max M _y	▷ -7.51	0.00	2.59	-0.00	▷ 0.91	-0.00	CO 6
				Min M _y	▷ -3.08	-0.00	0.65	0.00	▷ 0.17	0.00	CO 13
				Max M _z	▷ -3.08	-0.00	0.65	0.00	▷ 0.18	0.00	CO 14
				Min M _z	▷ -7.51	0.00	2.59	-0.00	▷ 0.91	-0.00	CO 5
		116	1.832 Right	Max N	▷ -3.07	-0.00	0.65	0.00	0.17	0.00	CO 9
				Min N	▷ -7.52	0.00	2.59	-0.00	0.91	-0.00	CO 8
				Max V _y	▷ -7.52	0.00	2.59	-0.00	0.91	-0.00	CO 7
				Min V _y	▷ -3.07	-0.00	0.65	0.00	0.18	0.00	CO 10
				Max V _z	▷ -7.51	0.00	2.59	-0.00	0.91	-0.00	CO 6
				Min V _z	▷ -3.08	-0.00	0.65	0.00	0.17	0.00	CO 13
				Max M _T	▷ -3.08	-0.00	0.65	▷ 0.00	0.17	0.00	CO 13
				Min M _T	▷ -7.51	0.00	2.59	▷ -0.00	0.91	-0.00	CO 6
				Max M _y	▷ -7.51	0.00	2.59	-0.00	▷ 0.91	-0.00	CO 6
				Min M _y	▷ -3.08	-0.00	0.65	0.00	▷ 0.17	0.00	CO 13
				Max M _z	▷ -3.08	-0.00	0.65	0.00	▷ 0.18	0.00	CO 14
				Min M _z	▷ -7.51	0.00	2.59	-0.00	▷ 0.91	-0.00	CO 5
		167	0.000 Left	Max N	▷ -1.54	-0.00	-0.41	0.00	0.09	0.00	CO 23
				Min N	▷ -4.85	0.00	-1.54	-0.00	0.36	0.00	CO 22
				Max V _y	▷ -4.84	0.00	-1.54	-0.00	0.36	0.00	CO 17
				Min V _y	▷ -1.54	-0.00	-0.41	0.00	0.09	0.00	CO 24
				Max V _z	▷ -1.54	-0.00	-0.41	0.00	0.09	0.00	CO 26
				Min V _z	▷ -4.85	0.00	-1.54	-0.00	0.36	0.00	CO 15
				Max M _T	▷ -1.55	-0.00	-0.41	▷ 0.00	0.09	0.00	CO 27
				Min M _T	▷ -4.84	0.00	-1.54	▷ -0.00	0.36	0.00	CO 20
				Max M _y	▷ -4.85	0.00	-1.54	-0.00	▷ 0.36	0.00	CO 15
				Min M _y	▷ -1.54	-0.00	-0.41	0.00	▷ 0.09	0.00	CO 26
				Max M _z	▷ -4.85	0.00	-1.54	-0.00	▷ 0.36	0.00	CO 22
				Min M _z	▷ -1.54	-0.00	-0.41	0.00	▷ 0.09	0.00	CO 23
		0.000 Right	0.000 Right	Max N	▷ -1.54	-0.00	-0.41	0.00	0.09	0.00	CO 23
				Min N	▷ -4.85	0.00	-1.54	-0.00	0.36	0.00	CO 22
				Max V _y	▷ -4.84	0.00	-1.54	-0.00	0.36	0.00	CO 17
				Min V _y	▷ -1.54	-0.00	-0.41	0.00	0.09	0.00	CO 24
				Max V _z	▷ -1.54	-0.00	-0.41	0.00	0.09	0.00	CO 26
				Min V _z	▷ -4.85	0.00	-1.54	-0.00	0.36	0.00	CO 15
				Max M _T	▷ -1.55	-0.00	-0.41	▷ 0.00	0.09	0.00	CO 27
				Min M _T	▷ -4.84	0.00	-1.54	▷ -0.00	0.36	0.00	CO 20
				Max M _y	▷ -4.85	0.00	-1.54	-0.00	▷ 0.36	0.00	CO 15
				Min M _y	▷ -1.54	-0.00	-0.41	0.00	▷ 0.09	0.00	CO 26
				Max M _z	▷ -4.85	0.00	-1.54	-0.00	▷ 0.36	0.00	CO 22
				Min M _z	▷ -1.54	-0.00	-0.41	0.00	▷ 0.09	0.00	CO 23
		116	1.832 Left	Max N	▷ -2.09	-0.00	0.43	0.00	0.11	0.00	CO 23
				Min N	▷ -5.39	0.00	1.87	-0.00	0.65	-0.00	CO 22
				Max V _y	▷ -5.39	0.00	1.86	-0.00	0.65	-0.00	CO 21
				Min V _y	▷ -2.09	-0.00	0.43	0.00	0.11	0.00	CO 24
				Max V _z	▷ -5.39	0.00	1.87	-0.00	0.65	-0.00	CO 20
				Min V _z	▷ -2.09	-0.00	0.43	0.00	0.11	0.00	CO 27
				Max M _T	▷ -2.09	-0.00	0.43	▷ 0.00	0.11	0.00	CO 27
				Min M _T	▷ -5.39	0.00	1.87	▷ -0.00	0.65	-0.00	CO 20
				Max M _y	▷ -5.39	0.00	1.87	-0.00	▷ 0.65	-0.00	CO 20
				Min M _y	▷ -2.09	-0.00	0.43	0.00	▷ 0.11	0.00	CO 27
				Max M _z	▷ -2.09	-0.00	0.43	0.00	▷ 0.11	0.00	CO 28
				Min M _z	▷ -5.39	0.00	1.87	-0.00	▷ 0.65	-0.00	CO 19
		116	1.832 Right	Max N	▷ -2.09	-0.00	0.43	0.00	0.11	0.00	CO 23
				Min N	▷ -5.39	0.00	1.87	-0.00	0.65	-0.00	CO 22
				Max V _y	▷ -5.39	0.00	1.86	-0.00	0.65	-0.00	CO 21
				Min V _y	▷ -2.09	-0.00	0.43	0.00	0.11	0.00	CO 24
				Max V _z	▷ -5.39	0.00	1.87	-0.00	0.65	-0.00	CO 20
				Min V _z	▷ -2.09	-0.00	0.43	0.00	0.11	0.00	CO 27
				Max M _T	▷ -2.09	-0.00	0.43	▷ 0.00	0.11	0.00	CO 27
				Min M _T	▷ -5.39	0.00	1.87	▷ -0.00	0.65	-0.00	CO 20
				Max M _y	▷ -5.39	0.00	1.87	-0.00	▷ 0.65	-0.00	CO 20



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases			
					N	V _y	V _z	M _T	M _y	M _z				
256	RC2			Min M _y	-2.09	-0.00	0.43	0.00	0.11	0.00	CO 27			
				Max M _z	-2.09	-0.00	0.43	0.00	0.11	0.00	CO 28			
				Min M _z	-5.39	0.00	1.87	-0.00	0.65	-0.00	CO 19			
	RC6	167	0.000 Left	Max N	-0.37	-0.78	-0.98	-0.00	0.06	-0.71	LC 1-5			
				Min N	-7.09	0.78	-1.49	0.00	0.53	0.72	LC 1-4			
				Max V _y	-4.92	1.93	-1.27	0.00	0.33	1.76	LC 1-4			
				Min V _y	-2.54	-1.92	-1.19	-0.00	0.25	-1.76	LC 1-5			
				Max V _z	-1.09	-0.13	-0.68	-0.00	-0.20	-0.12	LC 1-5			
				Min V _z	-6.37	0.13	-1.78	-0.00	0.79	0.12	LC 1-4			
				Max M _T	-4.56	0.17	-1.21	0.00	0.28	0.16	LC 1-4			
				Min M _T	-2.90	-0.17	-1.25	-0.00	0.30	-0.16	LC 1-5			
				Max M _y	-6.41	0.14	-1.78	-0.00	0.79	0.13	LC 1-4			
				Min M _y	-1.06	-0.14	-0.68	-0.00	-0.20	-0.13	LC 1-5			
				Max M _z	-4.92	1.93	-1.27	0.00	0.33	1.76	LC 1-5			
				Min M _z	-2.54	-1.92	-1.20	-0.00	0.25	-1.76	LC 1-4			
				Max N	-0.37	-0.78	-0.98	-0.00	0.05	-0.71	LC 1-5			
				Min N	-7.09	0.78	-1.49	0.00	0.53	0.72	LC 1-4			
				Max V _y	-4.92	1.93	-1.27	0.00	0.33	1.76	LC 1-4			
				Min V _y	-2.54	-1.92	-1.19	-0.00	0.25	-1.76	LC 1-5			
				Max V _z	-1.09	-0.13	-0.68	-0.00	-0.20	-0.12	LC 1-5			
				Min V _z	-6.37	0.13	-1.78	-0.00	0.79	0.12	LC 1-4			
				Max M _T	-4.56	0.17	-1.21	0.00	0.28	0.16	LC 1-4			
				Min M _T	-2.90	-0.17	-1.25	-0.00	0.30	-0.16	LC 1-5			
				Max M _y	-6.41	0.14	-1.78	-0.00	0.79	0.13	LC 1-4			
				Min M _y	-1.06	-0.14	-0.68	-0.00	-0.20	-0.13	LC 1-5			
				Max M _z	-4.92	1.93	-1.27	0.00	0.33	1.76	LC 1-5			
				Min M _z	-2.54	-1.92	-1.20	-0.00	0.25	-1.76	LC 1-4			
				Max N	-0.40	-0.78	1.65	-0.00	0.66	0.71	LC 1-5			
				Min N	-7.13	0.78	1.14	0.00	0.20	-0.71	LC 1-4			
	Max V _y	-4.96	1.93	1.35	0.00	0.40	-1.77	LC 1-4						
	Min V _y	-2.57	-1.92	1.43	-0.00	0.46	1.77	LC 1-5						
	Max V _z	-1.13	-0.13	1.94	-0.00	0.94	0.12	LC 1-5						
	Min V _z	-6.40	0.13	0.84	-0.00	-0.08	-0.12	LC 1-4						
	Max M _T	-4.59	0.17	1.41	0.00	0.45	-0.15	LC 1-4						
	Min M _T	-2.94	-0.17	1.37	-0.00	0.41	0.15	LC 1-5						
	Max M _y	-1.17	-0.12	1.94	-0.00	0.94	0.11	LC 1-5						
	Min M _y	-6.36	0.12	0.84	-0.00	-0.08	-0.11	LC 1-4						
	Max M _z	-2.58	-1.92	1.43	-0.00	0.46	1.77	LC 1-5						
	Min M _z	-4.95	1.93	1.35	0.00	0.40	-1.77	LC 1-4						
	Max N	-0.40	-0.78	1.65	-0.00	0.66	0.71	LC 1-5						
	Min N	-7.13	0.78	1.14	0.00	0.20	-0.71	LC 1-4						
	Max V _y	-4.96	1.93	1.35	0.00	0.40	-1.77	LC 1-4						
	Min V _y	-2.57	-1.92	1.43	-0.00	0.46	1.77	LC 1-5						
	Max V _z	-1.13	-0.13	1.94	-0.00	0.94	0.12	LC 1-5						
	Min V _z	-6.40	0.13	0.84	-0.00	-0.08	-0.12	LC 1-4						
	Max M _T	-4.59	0.17	1.41	0.00	0.45	-0.15	LC 1-4						
	Min M _T	-2.94	-0.17	1.37	-0.00	0.41	0.15	LC 1-5						
	Max M _y	-1.17	-0.12	1.94	-0.00	0.94	0.11	LC 1-5						
	Min M _y	-6.36	0.12	0.84	-0.00	-0.08	-0.11	LC 1-4						
	Max M _z	-2.58	-1.92	1.43	-0.00	0.46	1.77	LC 1-5						
Min M _z	-4.95	1.93	1.35	0.00	0.40	-1.77	LC 1-4							
257	RC1	168	0.000	Max N	-2.35	0.00	0.07	-0.00	0.00	0.00	CO 12			
				Min N	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 1			
				Max V _y	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 4			
				Min V _y	-2.36	0.00	0.07	-0.00	0.00	0.00	CO 9			
				Max V _z	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 2			
				Min V _z	-2.35	0.00	0.07	-0.00	0.00	0.00	CO 12			
				Max M _T	-2.36	0.00	0.07	-0.00	0.00	0.00	CO 14			
				Min M _T	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 3			
				Max M _y	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 1			
				Min M _y	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 1			
				Max M _z	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 1			
				Min M _z	-2.36	0.00	0.07	-0.00	0.00	0.00	CO 9			
				Max N	-2.35	0.00	0.07	-0.00	0.00	0.00	CO 12			
				Min N	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 1			
				Max V _y	-2.36	0.00	0.07	-0.00	0.00	0.00	CO 11			
				Min V _y	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 2			
				Max V _z	-2.36	0.00	0.07	-0.00	0.00	0.00	CO 10			
				Min V _z	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 1			
				Max M _T	-2.36	0.00	0.07	-0.00	0.00	0.00	CO 14			
				Min M _T	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 3			
				Max M _y	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 1			
				Min M _y	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 1			
				Max M _z	-8.08	0.00	0.08	-0.00	0.00	0.00	CO 1			
				RC2	168	0.000	Min M _z	-2.36	0.00	0.07	-0.00	0.00	0.00	CO 9
							Max N	-1.60	-0.00	0.05	-0.00	0.00	0.00	CO 26
							Min N	-5.84	0.00	0.05	-0.00	0.00	0.00	CO 15
	Max V _y	-5.84	0.00				0.05	-0.00	0.00	0.00	CO 17			
	Min V _y	-1.60	-0.00				0.05	-0.00	0.00	0.00	CO 25			
	Max V _z	-5.84	0.00				0.05	-0.00	0.00	0.00	CO 15			
	Min V _z	-1.60	-0.00				0.05	-0.00	0.00	0.00	CO 26			
	Max M _T	-1.60	0.00				0.05	-0.00	0.00	0.00	CO 28			
	Min M _T	-5.84	0.00				0.05	-0.00	0.00	0.00	CO 17			
	Max M _y	-5.84	0.00				0.05	-0.00	0.00	0.00	CO 15			
	Min M _y	-5.84	0.00				0.05	-0.00	0.00	0.00	CO 15			
	Max M _z	-5.84	0.00				0.05	-0.00	0.00	0.00	CO 15			
	Min M _z	-1.60	-0.00				0.05	-0.00	0.00	0.00	CO 23			
	Max N	-1.60	0.00				-0.05	-0.00	0.00	-0.00	CO 26			
	Min N	-5.84	0.00				-0.05	-0.00	0.00	0.00	CO 15			
	Max V _y	-1.60	0.00				-0.05	-0.00	0.00	-0.00	CO 23			
	Min V _y	-5.84	0.00				-0.05	-0.00	0.00	0.00	CO 16			
	Max V _z	-1.60	0.00				-0.05	-0.00	0.00	0.00	CO 26			



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
257	RC2			Min V _z	-5.84	-0.00	▷ -0.05	-0.00	0.00	0.00	CO 17
				Max M _T	-1.60	0.00	▷ -0.05	-0.00	0.00	-0.00	CO 28
				Min M _T	-5.84	-0.00	▷ -0.05	-0.00	0.00	0.00	CO 17
				Max M _y	-5.84	-0.00	▷ -0.05	-0.00	▷ 0.00	0.00	CO 15
				Min M _y	-5.84	-0.00	▷ -0.05	-0.00	▷ 0.00	0.00	CO 15
				Max M _z	-5.84	-0.00	▷ -0.05	-0.00	0.00	0.00	CO 15
				Min M _z	-1.60	0.00	▷ -0.05	-0.00	0.00	-0.00	CO 23
	RC6	168	0.000	Max N	-4.44	0.00	0.05	-0.00	▷ 0.00	0.00	LC 1-5
				Min N	-4.78	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Max V _y	-4.61	▷ 0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Min V _y	-4.61	▷ 0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Max V _z	-4.61	0.00	▷ 0.05	-0.00	0.00	0.00	LC 1-4
				Min V _z	-4.61	0.00	▷ 0.05	-0.00	0.00	0.00	LC 1-4
				Max M _T	-4.60	0.00	0.05	▷ 0.00	0.00	0.00	LC 1-4
				Min M _T	-4.62	0.00	0.05	▷ -0.00	0.00	0.00	LC 1-5
				Max M _y	-4.61	0.00	0.05	▷ -0.00	0.00	0.00	LC 1-4
				Min M _y	-4.61	0.00	0.05	▷ -0.00	0.00	0.00	LC 1-4
				Max M _z	-4.61	0.00	0.05	▷ -0.00	0.00	0.00	LC 1-4
				Min M _z	-4.61	0.00	0.05	▷ -0.00	0.00	0.00	LC 1-4
		169	2.945	Max N	-4.44	0.00	-0.05	-0.00	0.00	0.00	LC 1-5
				Min N	-4.78	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Max V _y	-4.61	▷ 0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Min V _y	-4.61	▷ 0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Max V _z	-4.61	0.00	▷ -0.05	-0.00	0.00	0.00	LC 1-4
				Min V _z	-4.61	0.00	▷ -0.05	-0.00	0.00	0.00	LC 1-4
				Max M _T	-4.60	0.00	-0.05	▷ 0.00	0.00	0.00	LC 1-4
				Min M _T	-4.62	0.00	-0.05	▷ -0.00	0.00	0.00	LC 1-5
				Max M _y	-4.61	0.00	-0.05	▷ -0.00	0.00	0.00	LC 1-4
				Min M _y	-4.61	0.00	-0.05	▷ -0.00	0.00	0.00	LC 1-4
				Max M _z	-4.61	0.00	-0.05	▷ -0.00	0.00	0.00	LC 1-4
				Min M _z	-4.61	0.00	-0.05	▷ -0.00	0.00	0.00	LC 1-4
258	RC1	168	0.000 Left	Max N	-1.75	-0.01	-0.61	0.00	0.24	0.00	CO 13
				Min N	-4.09	-0.01	-2.22	0.00	0.78	0.00	CO 6
				Max V _y	-1.76	-0.01	-0.61	0.00	0.24	0.00	CO 12
				Min V _y	-4.09	▷ -0.01	-2.22	0.00	0.78	0.00	CO 1
				Max V _z	-1.76	-0.01	▷ -0.61	0.00	0.24	0.00	CO 12
				Min V _z	-4.09	-0.01	-2.22	0.00	0.78	0.00	CO 1
				Max M _T	-4.09	-0.01	-2.22	▷ 0.00	0.78	0.00	CO 8
				Min M _T	-1.76	-0.01	-0.61	▷ 0.00	0.24	0.00	CO 11
				Max M _y	-4.09	-0.01	-2.22	0.00	▷ 0.78	0.00	CO 1
				Min M _y	-1.76	-0.01	-0.61	0.00	▷ 0.24	0.00	CO 12
				Max M _z	-4.09	-0.01	-2.22	0.00	0.78	▷ 0.00	CO 3
				Min M _z	-1.76	-0.01	-0.61	0.00	0.24	▷ 0.00	CO 10
		0.000 Right		Max N	-1.75	-0.01	-0.61	0.00	0.24	0.00	CO 13
				Min N	-4.09	-0.01	-2.22	0.00	0.78	0.00	CO 6
				Max V _y	-1.76	-0.01	-0.61	0.00	0.24	0.00	CO 12
				Min V _y	-4.09	-0.01	-2.22	0.00	0.78	0.00	CO 1
				Max V _z	-1.76	-0.01	▷ -0.61	0.00	0.24	0.00	CO 12
				Min V _z	-4.09	-0.01	-2.22	0.00	0.78	0.00	CO 1
				Max M _T	-4.09	-0.01	-2.22	▷ 0.00	0.78	0.00	CO 8
				Min M _T	-1.76	-0.01	-0.61	▷ 0.00	0.24	0.00	CO 11
				Max M _y	-4.09	-0.01	-2.22	0.00	▷ 0.78	0.00	CO 1
				Min M _y	-1.76	-0.01	-0.61	0.00	▷ 0.24	0.00	CO 12
				Max M _z	-4.09	-0.01	-2.22	0.00	0.78	▷ 0.00	CO 3
				Min M _z	-1.76	-0.01	-0.61	0.00	0.24	▷ 0.00	CO 10
		1.265 Left		Max N	-1.16	-0.01	0.23	0.00	0.00	0.01	CO 13
				Min N	-3.49	-0.01	0.99	0.00	-0.00	0.01	CO 6
				Max V _y	-3.49	▷ -0.01	0.99	0.00	-0.00	0.01	CO 6
				Min V _y	-1.16	▷ -0.01	0.23	0.00	0.00	0.01	CO 9
				Max V _z	-3.49	-0.01	▷ 0.99	0.00	-0.00	0.01	CO 6
				Min V _z	-1.16	-0.01	▷ 0.23	0.00	0.00	0.01	CO 13
				Max M _T	-3.49	-0.01	▷ 0.99	0.00	-0.00	0.01	CO 2
				Min M _T	-1.16	-0.01	0.23	▷ 0.00	0.00	0.01	CO 11
				Max M _y	-1.16	-0.01	0.23	0.00	▷ 0.00	0.01	CO 9
				Min M _y	-3.49	-0.01	0.99	0.00	-0.00	0.01	CO 8
				Max M _z	-3.49	-0.01	0.99	0.00	-0.00	0.02	CO 1
				Min M _z	-1.16	-0.01	0.23	0.00	0.00	0.01	CO 12
	1.265 Right			Max N	-1.16	-0.01	0.23	0.00	0.00	0.01	CO 13
				Min N	-3.49	-0.01	0.99	0.00	-0.00	0.01	CO 6
				Max V _y	-3.49	▷ -0.01	0.99	0.00	-0.00	0.01	CO 6
				Min V _y	-1.16	▷ -0.01	0.23	0.00	0.00	0.01	CO 9
				Max V _z	-3.49	-0.01	▷ 0.99	0.00	-0.00	0.01	CO 6
				Min V _z	-1.16	-0.01	▷ 0.23	0.00	0.00	0.01	CO 13
				Max M _T	-3.49	-0.01	▷ 0.99	0.00	-0.00	0.01	CO 2
				Min M _T	-1.16	-0.01	0.23	▷ 0.00	0.00	0.01	CO 11
				Max M _y	-1.16	-0.01	0.23	0.00	▷ 0.00	0.01	CO 9
				Min M _y	-3.49	-0.01	0.99	0.00	-0.00	0.01	CO 8
				Max M _z	-3.49	-0.01	0.99	0.00	-0.00	0.02	CO 1
				Min M _z	-1.16	-0.01	0.23	0.00	0.00	0.01	CO 12
	1.729 Left			Max N	-0.94	-0.01	0.54	0.00	0.18	0.02	CO 13
				Min N	-3.28	-0.01	1.72	0.00	0.66	0.02	CO 6
				Max V _y	-3.28	-0.01	1.72	0.00	0.66	0.02	CO 6
				Min V _y	-0.94	-0.01	0.54	0.00	0.18	0.02	CO 9
				Max V _z	-3.28	-0.01	▷ 1.72	0.00	0.66	0.02	CO 6
				Min V _z	-0.94	-0.01	▷ 0.54	0.00	0.18	0.02	CO 13
				Max M _T	-3.27	-0.01	1.72	▷ 0.00	0.66	0.02	CO 2
				Min M _T	-0.94	-0.01	0.54	▷ 0.00	0.18	0.02	CO 11
				Max M _y	-3.28	-0.01	1.72	0.00	▷ 0.66	0.02	CO 6
				Min M _y	-0.94	-0.01	0.54	0.00	▷ 0.18	0.02	CO 13
				Max M _z	-3.27	-0.01	1.72	0.00	0.66	▷ 0.02	CO 1
				Min M _z	-0.94	-0.01	0.54	0.00	0.18	▷ 0.02	CO 12
		106	1.729	Max N	▷ -0.94	-0.01	0.54	0.00	0.18	0.02	CO 13

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]						Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z				
258	RC1		Right	Min N	▷ -3.28	▷ -0.01	▷ 1.72	0.00	0.66	0.02	CO 6		
				Max V _y	▷ -3.28	▷ -0.01	▷ 1.72	0.00	0.66	0.02	CO 6		
				Min V _y	▷ -0.94	▷ -0.01	▷ 0.54	0.00	0.18	0.02	CO 9		
				Max V _z	▷ -3.28	▷ -0.01	▷ 1.72	0.00	0.66	0.02	CO 6		
				Min V _z	▷ -0.94	▷ -0.01	▷ 0.54	0.00	0.18	0.02	CO 13		
				Max M _T	▷ -3.27	▷ -0.01	▷ 1.72	▷ 0.00	0.66	0.02	CO 2		
				Min M _T	▷ -0.94	▷ -0.01	▷ 0.54	▷ 0.00	0.18	0.02	CO 11		
				Max M _y	▷ -3.28	▷ -0.01	▷ 1.72	▷ 0.00	0.66	0.02	CO 6		
				Min M _y	▷ -0.94	▷ -0.01	▷ 0.54	▷ 0.00	0.18	0.02	CO 13		
				Max M _z	▷ -3.27	▷ -0.01	▷ 1.72	▷ 0.00	0.66	0.02	CO 1		
	RC2	168	0.000 Left	Min M _z	▷ -0.94	▷ -0.01	▷ 0.54	▷ 0.00	0.18	▷ 0.02	CO 12		
				Max N	▷ -1.18	▷ -0.01	▷ -0.41	0.00	0.16	0.00	CO 27		
				Min N	▷ -2.91	▷ -0.01	▷ -1.60	0.00	0.56	0.00	CO 20		
				Max V _y	▷ -1.19	▷ -0.01	▷ -0.41	0.00	0.16	0.00	CO 26		
				Min V _y	▷ -2.91	▷ -0.01	▷ -1.60	0.00	0.56	0.00	CO 15		
				Max V _z	▷ -1.19	▷ -0.01	▷ -0.41	0.00	0.16	0.00	CO 26		
				Min V _z	▷ -2.91	▷ -0.01	▷ -1.60	0.00	0.56	0.00	CO 15		
				Max M _T	▷ -2.91	▷ -0.01	▷ -1.60	▷ 0.00	0.56	0.00	CO 22		
				Min M _T	▷ -1.18	▷ -0.01	▷ -0.41	▷ 0.00	0.16	0.00	CO 25		
				Max M _y	▷ -2.91	▷ -0.01	▷ -1.60	▷ 0.00	0.56	0.00	CO 15		
			0.000 Right	Min M _y	▷ -1.19	▷ -0.01	▷ -0.41	▷ 0.00	0.16	0.00	CO 26		
				Max M _z	▷ -2.91	▷ -0.01	▷ -1.60	▷ 0.00	0.56	▷ 0.00	CO 17		
				Min M _z	▷ -1.18	▷ -0.01	▷ -0.41	▷ 0.00	0.16	▷ 0.00	CO 24		
				Max N	▷ -1.18	▷ -0.01	▷ -0.41	0.00	0.16	0.00	CO 27		
				Min N	▷ -2.91	▷ -0.01	▷ -1.60	0.00	0.56	0.00	CO 20		
				Max V _y	▷ -1.19	▷ -0.01	▷ -0.41	0.00	0.16	0.00	CO 26		
				Min V _y	▷ -2.91	▷ -0.01	▷ -1.60	0.00	0.56	0.00	CO 15		
				Max V _z	▷ -1.19	▷ -0.01	▷ -0.41	0.00	0.16	0.00	CO 26		
				Min V _z	▷ -2.91	▷ -0.01	▷ -1.60	0.00	0.56	0.00	CO 15		
				Max M _T	▷ -2.91	▷ -0.01	▷ -1.60	▷ 0.00	0.56	0.00	CO 22		
			1.265 Left	Min M _T	▷ -1.18	▷ -0.01	▷ -0.41	▷ 0.00	0.16	0.00	CO 25		
				Max M _y	▷ -2.91	▷ -0.01	▷ -1.60	▷ 0.00	0.56	0.00	CO 15		
				Min M _y	▷ -1.19	▷ -0.01	▷ -0.41	▷ 0.00	0.16	0.00	CO 26		
				Max M _z	▷ -2.91	▷ -0.01	▷ -1.60	▷ 0.00	0.56	▷ 0.00	CO 17		
				Min M _z	▷ -1.18	▷ -0.01	▷ -0.41	▷ 0.00	0.16	▷ 0.00	CO 24		
				Max N	▷ -0.78	▷ -0.01	▷ 0.15	0.00	0.00	0.01	CO 27		
				Min N	▷ -2.51	▷ -0.01	▷ 0.71	0.00	-0.00	0.01	CO 20		
				Max V _y	▷ -0.79	▷ -0.01	▷ 0.15	0.00	0.00	0.01	CO 26		
				Min V _y	▷ -2.50	▷ -0.01	▷ 0.71	0.00	-0.00	0.01	CO 15		
				Max V _z	▷ -2.51	▷ -0.01	▷ 0.71	0.00	-0.00	0.01	CO 20		
			1.265 Right	Min V _z	▷ -0.78	▷ -0.01	▷ 0.15	0.00	0.00	0.01	CO 27		
				Max M _T	▷ -2.51	▷ -0.01	▷ 0.71	▷ 0.00	-0.00	0.01	CO 16		
				Min M _T	▷ -0.78	▷ -0.01	▷ 0.15	▷ 0.00	0.00	0.01	CO 25		
				Max M _y	▷ -0.78	▷ -0.01	▷ 0.15	▷ 0.00	0.00	0.01	CO 23		
				Min M _y	▷ -2.51	▷ -0.01	▷ 0.71	▷ 0.00	-0.00	0.01	CO 22		
				Max M _z	▷ -2.50	▷ -0.01	▷ 0.71	▷ 0.00	-0.00	0.01	CO 15		
				Min M _z	▷ -0.79	▷ -0.01	▷ 0.15	▷ 0.00	0.00	0.01	CO 26		
				Max N	▷ -0.78	▷ -0.01	▷ 0.15	0.00	0.00	0.01	CO 27		
				Min N	▷ -2.51	▷ -0.01	▷ 0.71	0.00	-0.00	0.01	CO 20		
				Max V _y	▷ -0.79	▷ -0.01	▷ 0.15	0.00	0.00	0.01	CO 26		
			1.729 Left	Min V _y	▷ -2.50	▷ -0.01	▷ 0.71	0.00	-0.00	0.01	CO 15		
				Max V _z	▷ -2.51	▷ -0.01	▷ 0.71	0.00	-0.00	0.01	CO 20		
	Min V _z	▷ -0.78		▷ -0.01	▷ 0.15	0.00	0.00	0.01	CO 27				
	Max M _T	▷ -2.51		▷ -0.01	▷ 0.71	▷ 0.00	-0.00	0.01	CO 16				
	Min M _T	▷ -0.78		▷ -0.01	▷ 0.15	▷ 0.00	0.00	0.01	CO 25				
	Max M _y	▷ -0.78		▷ -0.01	▷ 0.15	▷ 0.00	0.00	0.01	CO 23				
	Min M _y	▷ -2.51		▷ -0.01	▷ 0.71	▷ 0.00	-0.00	0.01	CO 22				
	Max M _z	▷ -2.50		▷ -0.01	▷ 0.71	▷ 0.00	-0.00	0.01	CO 15				
	Min M _z	▷ -0.79		▷ -0.01	▷ 0.15	▷ 0.00	0.00	0.01	CO 26				
	Max N	▷ -0.64		▷ -0.01	▷ 0.36	0.00	0.12	0.01	CO 27				
	1.729 Right	Min N	▷ -2.36	▷ -0.01	▷ 1.24	0.00	0.48	0.01	CO 20				
		Max V _y	▷ -2.36	▷ -0.01	▷ 1.24	0.00	0.48	0.01	CO 20				
		Min V _y	▷ -0.64	▷ -0.01	▷ 0.36	0.00	0.12	0.01	CO 23				
		Max V _z	▷ -2.36	▷ -0.01	▷ 1.24	0.00	0.48	0.01	CO 20				
		Min V _z	▷ -0.64	▷ -0.01	▷ 0.36	0.00	0.12	0.01	CO 27				
		Max M _T	▷ -2.36	▷ -0.01	▷ 1.24	▷ 0.00	0.48	0.01	CO 16				
		Min M _T	▷ -0.64	▷ -0.01	▷ 0.36	▷ 0.00	0.12	0.01	CO 25				
		Max M _y	▷ -2.36	▷ -0.01	▷ 1.24	▷ 0.00	0.48	0.01	CO 20				
		Min M _y	▷ -0.64	▷ -0.01	▷ 0.36	▷ 0.00	0.12	0.01	CO 27				
		Max M _z	▷ -2.36	▷ -0.01	▷ 1.24	▷ 0.00	0.47	0.01	CO 15				
	RC6	168	0.000 Left	Min M _z	▷ -0.64	▷ -0.01	▷ 0.36	▷ 0.00	0.12	▷ 0.01	CO 26		
				Max N	▷ -1.00	▷ -0.44	▷ -0.95	0.00	-0.07	-0.37	LC 1-4		
				Min N	▷ -2.71	▷ 0.42	▷ -1.54	0.00	0.95	0.37	LC 1-5		
				Max V _y	▷ -2.02	▷ 2.86	▷ -1.23	0.00	0.42	2.51	LC 1-5		
				Min V _y	▷ -1.69	▷ -2.89	▷ -1.26	0.00	0.46	-2.51	LC 1-4		
				Max V _z	▷ -1.15	▷ 0.12	▷ -0.89	0.00	-0.16	0.11	LC 1-5		
				Min V _z	▷ -2.56	▷ -0.14	▷ -1.60	0.00	1.04	-0.11	LC 1-4		
				Max M _T	▷ -1.92	▷ 0.78	▷ -1.27	▷ 0.00	0.47	0.71	LC 1-4		
				Min M _T	▷ -1.79	▷ -0.80	▷ -1.23	▷ -0.00	0.41	-0.71	LC 1-5		
				Max M _y	▷ -2.56	▷ -0.15	▷ -1.60	▷ 0.00	1.04	-0.12	LC 1-4		



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
258	RC6		0.000 Right	Min M _y	-1.15	0.12	-0.89	0.00	-0.16	0.12	LC 1-5
				Max M _z	-2.02	2.86	-1.24	0.00	0.42	2.51	LC 1-5
				Min M _z	-1.69	-2.89	-1.26	0.00	0.46	-2.51	LC 1-4
				Max N	-1.00	-0.44	-0.95	0.00	-0.07	-0.37	LC 1-4
				Min N	-2.71	0.42	-1.54	0.00	0.95	0.37	LC 1-5
				Max V _y	-2.02	2.86	-1.23	0.00	0.42	2.51	LC 1-5
				Min V _y	-1.69	-2.89	-1.26	0.00	0.46	-2.51	LC 1-4
				Max V _z	-1.15	0.12	-0.89	0.00	-0.16	0.11	LC 1-5
				Min V _z	-2.56	-0.14	-1.60	0.00	1.04	-0.11	LC 1-4
				Max M _T	-1.92	0.78	-1.27	0.00	0.47	0.71	LC 1-4
				Min M _T	-1.79	-0.80	-1.23	-0.00	0.41	-0.71	LC 1-5
				Max M _y	-2.56	-0.15	-1.60	0.00	1.04	-0.12	LC 1-4
				Min M _y	-1.15	0.12	-0.89	0.00	-0.16	0.12	LC 1-5
				Max M _z	-2.02	2.86	-1.23	0.00	0.42	2.51	LC 1-5
				Min M _z	-1.69	-2.89	-1.26	0.00	0.46	-2.51	LC 1-4
			1.265 Left	Max N	-0.98	-0.44	0.84	0.00	-0.13	0.18	LC 1-4
				Min N	-2.69	0.42	0.25	0.00	0.13	-0.15	LC 1-5
				Max V _y	-2.00	2.86	0.56	0.00	-0.01	-1.11	LC 1-5
				Min V _y	-1.67	-2.89	0.53	0.00	0.00	1.14	LC 1-4
				Max V _z	-1.13	0.12	0.90	0.00	-0.16	-0.04	LC 1-5
				Min V _z	-2.53	-0.14	0.19	0.00	0.15	0.06	LC 1-4
				Max M _T	-1.89	0.78	0.52	0.00	0.01	-0.27	LC 1-4
				Min M _T	-1.77	-0.80	0.56	-0.00	-0.01	0.30	LC 1-5
				Max M _y	-2.55	-0.16	0.19	0.00	0.15	0.07	LC 1-4
				Min M _y	-1.11	0.14	0.90	0.00	-0.16	-0.05	LC 1-5
				Max M _z	-1.67	-2.88	0.53	0.00	0.00	1.14	LC 1-4
				Min M _z	-1.99	2.86	0.56	0.00	-0.01	-1.11	LC 1-5
			1.265 Right	Max N	-0.98	-0.44	0.84	0.00	-0.13	0.18	LC 1-4
				Min N	-2.69	0.42	0.25	0.00	0.13	-0.15	LC 1-5
				Max V _y	-2.00	2.86	0.56	0.00	-0.01	-1.11	LC 1-5
				Min V _y	-1.67	-2.89	0.53	0.00	0.00	1.14	LC 1-4
				Max V _z	-1.13	0.12	0.90	0.00	-0.16	-0.04	LC 1-5
				Min V _z	-2.53	-0.14	0.19	0.00	0.15	0.06	LC 1-4
				Max M _T	-1.89	0.78	0.52	0.00	0.01	-0.27	LC 1-4
				Min M _T	-1.77	-0.80	0.56	-0.00	-0.01	0.30	LC 1-5
				Max M _y	-2.55	-0.16	0.19	0.00	0.15	0.07	LC 1-4
				Min M _y	-1.11	0.14	0.90	0.00	-0.16	-0.05	LC 1-5
				Max M _z	-1.67	-2.88	0.53	0.00	0.00	1.14	LC 1-4
				Min M _z	-1.99	2.86	0.56	0.00	-0.01	-1.11	LC 1-5
			1.729 Left	Max N	-0.97	-0.44	1.17	0.00	0.36	0.38	LC 1-4
				Min N	-2.68	0.42	0.58	0.00	0.34	-0.35	LC 1-5
				Max V _y	-1.99	2.86	0.89	0.00	0.35	-2.44	LC 1-5
				Min V _y	-1.66	-2.89	0.86	0.00	0.35	2.48	LC 1-4
				Max V _z	-1.12	0.12	1.23	0.00	0.36	-0.09	LC 1-5
				Min V _z	-2.52	-0.14	0.52	0.00	0.34	0.13	LC 1-4
				Max M _T	-1.88	0.78	0.85	0.00	0.35	-0.63	LC 1-4
				Min M _T	-1.76	-0.80	0.89	-0.00	0.35	0.67	LC 1-5
				Max M _y	-1.54	-0.05	1.10	0.00	0.37	0.06	LC 1-5
				Min M _y	-2.10	0.03	0.65	0.00	0.33	-0.02	LC 1-4
				Max M _z	-1.66	-2.89	0.86	0.00	0.35	2.48	LC 1-4
				Min M _z	-1.99	2.86	0.89	0.00	0.35	-2.44	LC 1-5
		106	1.729 Right	Max N	-0.97	-0.44	1.17	0.00	0.36	0.38	LC 1-4
				Min N	-2.68	0.42	0.58	0.00	0.34	-0.35	LC 1-5
				Max V _y	-1.99	2.86	0.89	0.00	0.35	-2.44	LC 1-5
				Min V _y	-1.66	-2.89	0.86	0.00	0.35	2.48	LC 1-4
				Max V _z	-1.12	0.12	1.23	0.00	0.36	-0.09	LC 1-5
				Min V _z	-2.52	-0.14	0.52	0.00	0.34	0.13	LC 1-4
				Max M _T	-1.88	0.78	0.85	0.00	0.35	-0.63	LC 1-4
				Min M _T	-1.76	-0.80	0.89	-0.00	0.35	0.67	LC 1-5
				Max M _y	-1.54	-0.05	1.10	0.00	0.37	0.06	LC 1-5
				Min M _y	-2.10	0.03	0.65	0.00	0.33	-0.02	LC 1-4
				Max M _z	-1.66	-2.89	0.86	0.00	0.35	2.48	LC 1-4
				Min M _z	-1.99	2.86	0.89	0.00	0.35	-2.44	LC 1-5
259	RC1	169	0.000 Left	Max N	-3.65	-0.00	-0.63	0.00	0.13	-0.00	CO 14
				Min N	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 3
				Max V _y	-3.66	-0.00	-0.63	0.00	0.13	-0.00	CO 9
				Min V _y	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 8
				Max V _z	-3.66	-0.00	-0.62	0.00	0.13	-0.00	CO 12
				Min V _z	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 1
				Max M _T	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 2
				Min M _T	-3.66	0.00	-0.63	0.00	0.13	-0.00	CO 11
				Max M _y	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 1
				Min M _y	-3.66	0.00	-0.62	0.00	0.13	-0.00	CO 12
				Max M _z	-3.66	0.00	-0.62	0.00	0.13	-0.00	CO 12
				Min M _z	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 8
			0.000 Right	Max N	-3.65	-0.00	-0.63	0.00	0.13	-0.00	CO 14
				Min N	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 3
				Max V _y	-3.66	-0.00	-0.63	0.00	0.13	-0.00	CO 9
				Min V _y	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 8
				Max V _z	-3.66	-0.00	-0.62	0.00	0.13	-0.00	CO 12
				Min V _z	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 1
				Max M _T	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 2
				Min M _T	-3.66	0.00	-0.63	0.00	0.13	-0.00	CO 11
				Max M _y	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 1
				Min M _y	-3.66	0.00	-0.62	0.00	0.13	-0.00	CO 12
				Max M _z	-3.66	0.00	-0.62	0.00	0.13	-0.00	CO 12
				Min M _z	-10.42	0.00	-2.14	0.00	0.48	-0.00	CO 8
			1.832 Left	Max N	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 14
				Min N	-11.24	0.00	2.59	0.00	0.90	0.00	CO 3
				Max V _y	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 9
				Min V _y	-11.23	0.00	2.59	0.00	0.90	0.00	CO 8
				Max V _z	-11.23	0.00	2.59	0.00	0.90	0.00	CO 6



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
259	RC1			Min V _z	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 13
				Max M _T	-11.23	-0.00	2.59	0.00	0.90	0.00	CO 2
				Min M _T	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 11
				Max M _y	-11.23	-0.00	2.59	0.00	0.90	0.00	CO 6
				Min M _y	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 13
				Max M _z	-11.23	-0.00	2.59	0.00	0.90	0.00	CO 8
				Min M _z	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 9
		113	1.832 Right	Max N	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 14
				Min N	-11.24	-0.00	2.59	0.00	0.90	0.00	CO 3
				Max V _y	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 9
				Min V _y	-11.23	-0.00	2.59	0.00	0.90	0.00	CO 8
				Max V _z	-11.23	-0.00	2.59	0.00	0.90	0.00	CO 6
				Min V _z	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 13
				Max M _T	-11.23	-0.00	2.59	0.00	0.90	0.00	CO 2
				Min M _T	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 11
				Max M _y	-11.23	-0.00	2.59	0.00	0.90	0.00	CO 6
				Min M _y	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 13
				Max M _z	-11.23	-0.00	2.59	0.00	0.90	0.00	CO 8
				Min M _z	-4.47	-0.00	0.63	0.00	0.14	0.00	CO 9
	RC2	169	0.000 Left	Max N	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 28
				Min N	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 17
				Max V _y	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 23
				Min V _y	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 22
				Max V _z	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 26
				Min V _z	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 15
				Max M _T	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 16
				Min M _T	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 25
				Max M _y	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 15
				Min M _y	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 26
				Max M _z	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 26
				Min M _z	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 21
			0.000 Right	Max N	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 28
				Min N	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 17
				Max V _y	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 23
				Min V _y	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 22
				Max V _z	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 26
				Min V _z	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 15
				Max M _T	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 16
				Min M _T	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 25
				Max M _y	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 15
				Min M _y	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 26
				Max M _z	-2.47	-0.00	-0.43	0.00	0.09	-0.00	CO 26
				Min M _z	-7.48	-0.00	-1.55	0.00	0.35	-0.00	CO 21
			1.832 Left	Max N	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 28
				Min N	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 17
				Max V _y	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 23
				Min V _y	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 22
				Max V _z	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 20
				Min V _z	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 27
				Max M _T	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 16
				Min M _T	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 25
				Max M _y	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 20
				Min M _y	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 27
				Max M _z	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 22
				Min M _z	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 23
		113	1.832 Right	Max N	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 28
				Min N	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 17
				Max V _y	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 23
				Min V _y	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 22
				Max V _z	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 20
				Min V _z	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 27
				Max M _T	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 16
				Min M _T	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 25
				Max M _y	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 20
				Min M _y	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 27
				Max M _z	-8.03	-0.00	1.87	0.00	0.64	0.00	CO 22
				Min M _z	-3.02	-0.00	0.42	0.00	0.08	0.00	CO 23
	RC6	169	0.000 Left	Max N	-3.00	-0.21	-0.62	0.00	-0.27	-0.20	LC 1-4
				Min N	-7.82	0.21	-1.86	0.00	0.83	0.19	LC 1-5
				Max V _y	-5.79	1.69	-1.30	0.00	0.34	1.54	LC 1-4
				Min V _y	-5.03	-1.69	-1.18	0.00	0.23	-1.55	LC 1-5
				Max V _z	-3.05	-0.15	-0.60	0.00	-0.28	-0.14	LC 1-5
				Min V _z	-7.77	0.15	-1.88	0.00	0.84	0.14	LC 1-4
				Max M _T	-5.70	0.51	-1.28	0.00	0.32	0.47	LC 1-4
				Min M _T	-5.12	-0.51	-1.19	-0.00	0.24	-0.47	LC 1-5
				Max M _y	-7.78	0.15	-1.88	0.00	0.84	0.14	LC 1-4
				Min M _y	-3.04	-0.15	-0.60	0.00	-0.28	-0.14	LC 1-5
				Max M _z	-5.79	1.69	-1.30	0.00	0.34	1.54	LC 1-5
				Min M _z	-5.03	-1.69	-1.18	0.00	0.23	-1.55	LC 1-4
		0.000 Right		Max N	-3.00	-0.21	-0.62	0.00	-0.27	-0.20	LC 1-4
				Min N	-7.82	0.21	-1.86	0.00	0.83	0.19	LC 1-5
				Max V _y	-5.79	1.69	-1.30	0.00	0.34	1.54	LC 1-4
				Min V _y	-5.03	-1.69	-1.18	0.00	0.23	-1.55	LC 1-5
				Max V _z	-3.05	-0.15	-0.60	0.00	-0.28	-0.14	LC 1-5
				Min V _z	-7.77	0.15	-1.88	0.00	0.84	0.14	LC 1-4
				Max M _T	-5.70	0.51	-1.28	0.00	0.32	0.47	LC 1-4
				Min M _T	-5.12	-0.51	-1.19	-0.00	0.24	-0.47	LC 1-5
				Max M _y	-7.78	0.15	-1.88	0.00	0.84	0.14	LC 1-4
				Min M _y	-3.04	-0.15	-0.60	0.00	-0.28	-0.14	LC 1-5
				Max M _z	-5.79	1.69	-1.30	0.00	0.34	1.54	LC 1-5
				Min M _z	-5.03	-1.69	-1.18	0.00	0.23	-1.55	LC 1-4
			1.832	Max N	-3.03	-0.21	2.00	0.00	1.00	0.19	LC 1-4



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
259	RC6	113	Left	Min N	▷ -7.86	0.21	0.76	0.00	-0.18	-0.19	LC 1-5
				Max V _y	▷ -5.82	1.69	1.32	0.00	0.36	-1.55	LC 1-4
				Min V _y	▷ -5.07	-1.69	1.44	0.00	0.46	1.55	LC 1-5
				Max V _z	▷ -3.09	-0.15	2.02	0.00	1.02	0.14	LC 1-5
				Min V _z	▷ -7.80	0.15	0.74	0.00	-0.20	-0.13	LC 1-4
				Max M _T	▷ -5.74	0.51	1.34	▷ 0.00	0.37	-0.46	LC 1-4
				Min M _T	▷ -5.15	-0.51	1.43	▷ -0.00	0.45	0.46	LC 1-5
				Max M _y	▷ -3.10	-0.15	2.02	▷ 0.00	1.02	0.13	LC 1-5
				Min M _y	▷ -7.79	0.14	0.74	▷ 0.00	-0.20	-0.13	LC 1-4
				Max M _z	▷ -5.07	-1.69	1.44	▷ 0.00	0.46	1.55	LC 1-5
				Min M _z	▷ -5.82	1.69	1.33	▷ 0.00	0.36	-1.55	LC 1-4
			Right	Max N	▷ -3.03	-0.21	2.00	0.00	1.00	0.19	LC 1-4
				Min N	▷ -7.86	0.21	0.76	0.00	-0.18	-0.19	LC 1-5
				Max V _y	▷ -5.82	1.69	1.32	0.00	0.36	-1.55	LC 1-4
				Min V _y	▷ -5.07	-1.69	1.44	0.00	0.46	1.55	LC 1-5
				Max V _z	▷ -3.09	-0.15	2.02	0.00	1.02	0.14	LC 1-5
				Min V _z	▷ -7.80	0.15	0.74	0.00	-0.20	-0.13	LC 1-4
				Max M _T	▷ -5.74	0.51	1.34	▷ 0.00	0.37	-0.46	LC 1-4
				Min M _T	▷ -5.15	-0.51	1.43	▷ -0.00	0.45	0.46	LC 1-5
				Max M _y	▷ -3.10	-0.15	2.02	▷ 0.00	1.02	0.13	LC 1-5
				Min M _y	▷ -7.79	0.14	0.74	▷ 0.00	-0.20	-0.13	LC 1-4
				Max M _z	▷ -5.07	-1.69	1.44	▷ 0.00	0.46	1.55	LC 1-5
				Min M _z	▷ -5.82	1.69	1.33	▷ 0.00	0.36	-1.55	LC 1-4
260	RC1	170	0.000	Max N	▷ -2.34	-0.00	0.07	0.00	0.00	-0.00	CO 12
				Min N	▷ -8.06	-0.00	0.08	-0.00	0.00	0.00	CO 1
				Max V _y	▷ -2.34	-0.00	0.07	0.00	0.00	-0.00	CO 14
				Min V _y	▷ -8.06	-0.00	0.08	-0.00	0.00	0.00	CO 5
				Max V _z	▷ -8.06	-0.00	0.08	-0.00	0.00	0.00	CO 2
				Min V _z	▷ -2.34	-0.00	0.07	0.00	0.00	-0.00	CO 12
				Max M _T	▷ -2.35	-0.00	0.07	▷ 0.00	0.00	-0.00	CO 9
				Min M _T	▷ -8.06	-0.00	0.08	▷ -0.00	0.00	0.00	CO 8
				Max M _y	▷ -8.06	-0.00	0.08	-0.00	▷ 0.00	0.00	CO 1
				Min M _y	▷ -8.06	-0.00	0.08	-0.00	▷ 0.00	0.00	CO 1
				Max M _z	▷ -8.06	-0.00	0.08	-0.00	▷ 0.00	0.00	CO 1
				Min M _z	▷ -2.35	-0.00	0.07	0.00	▷ 0.00	-0.00	CO 9
		171	2.945	Max N	▷ -2.34	0.00	-0.07	0.00	0.00	0.00	CO 12
				Min N	▷ -8.07	0.00	-0.08	-0.00	0.00	0.00	CO 1
				Max V _y	▷ -8.06	0.00	-0.08	-0.00	0.00	0.00	CO 6
				Min V _y	▷ -2.35	0.00	-0.07	0.00	0.00	0.00	CO 13
				Max V _z	▷ -2.34	0.00	-0.07	0.00	0.00	0.00	CO 10
				Min V _z	▷ -8.07	0.00	-0.08	-0.00	0.00	0.00	CO 1
				Max M _T	▷ -2.35	0.00	-0.07	▷ 0.00	0.00	0.00	CO 9
				Min M _T	▷ -8.06	0.00	-0.08	▷ -0.00	0.00	0.00	CO 8
				Max M _y	▷ -8.07	0.00	-0.08	-0.00	▷ 0.00	0.00	CO 1
				Min M _y	▷ -8.07	0.00	-0.08	-0.00	▷ 0.00	0.00	CO 1
				Max M _z	▷ -8.07	0.00	-0.08	-0.00	▷ 0.00	0.00	CO 1
				Min M _z	▷ -2.35	0.00	-0.07	0.00	▷ 0.00	0.00	CO 9
	RC2	170	0.000	Max N	▷ -1.59	-0.00	0.05	0.00	0.00	-0.00	CO 26
				Min N	▷ -5.83	-0.00	0.05	-0.00	0.00	0.00	CO 15
				Max V _y	▷ -1.59	-0.00	0.05	0.00	0.00	-0.00	CO 28
				Min V _y	▷ -5.83	-0.00	0.05	-0.00	0.00	0.00	CO 20
				Max V _z	▷ -5.83	-0.00	0.05	-0.00	0.00	0.00	CO 15
				Min V _z	▷ -1.59	-0.00	0.05	0.00	0.00	-0.00	CO 26
				Max M _T	▷ -1.60	-0.00	0.05	▷ 0.00	0.00	-0.00	CO 23
				Min M _T	▷ -5.83	-0.00	0.05	▷ -0.00	0.00	0.00	CO 22
				Max M _y	▷ -5.83	-0.00	0.05	-0.00	▷ 0.00	0.00	CO 15
				Min M _y	▷ -5.83	-0.00	0.05	-0.00	▷ 0.00	0.00	CO 15
				Max M _z	▷ -5.83	-0.00	0.05	-0.00	▷ 0.00	0.00	CO 15
				Min M _z	▷ -1.60	-0.00	0.05	0.00	▷ 0.00	-0.00	CO 23
		171	2.945	Max N	▷ -1.59	0.00	-0.05	0.00	0.00	0.00	CO 26
				Min N	▷ -5.83	0.00	-0.05	-0.00	0.00	0.00	CO 15
				Max V _y	▷ -5.83	0.00	-0.05	-0.00	0.00	0.00	CO 20
				Min V _y	▷ -1.60	0.00	-0.05	0.00	0.00	0.00	CO 27
				Max V _z	▷ -1.59	0.00	-0.05	0.00	0.00	0.00	CO 26
				Min V _z	▷ -5.83	0.00	-0.05	-0.00	0.00	0.00	CO 17
				Max M _T	▷ -1.60	0.00	-0.05	▷ 0.00	0.00	0.00	CO 23
				Min M _T	▷ -5.83	0.00	-0.05	▷ -0.00	0.00	0.00	CO 22
				Max M _y	▷ -5.83	0.00	-0.05	-0.00	▷ 0.00	0.00	CO 15
				Min M _y	▷ -5.83	0.00	-0.05	-0.00	▷ 0.00	0.00	CO 15
				Max M _z	▷ -5.83	0.00	-0.05	-0.00	▷ 0.00	0.00	CO 15
				Min M _z	▷ -1.60	0.00	-0.05	0.00	▷ 0.00	0.00	CO 23
	RC6	170	0.000	Max N	▷ -4.46	0.00	0.05	-0.00	0.00	0.00	LC 1-5
				Min N	▷ -4.73	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Max V _y	▷ -4.59	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Min V _y	▷ -4.59	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Max V _z	▷ -4.59	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Min V _z	▷ -4.59	0.00	0.05	-0.00	0.00	0.00	LC 1-4
				Max M _T	▷ -4.59	0.00	0.05	▷ 0.00	0.00	0.00	LC 1-4
				Min M _T	▷ -4.59	0.00	0.05	▷ -0.00	0.00	0.00	LC 1-5
				Max M _y	▷ -4.59	0.00	0.05	-0.00	▷ 0.00	0.00	LC 1-4
				Min M _y	▷ -4.59	0.00	0.05	-0.00	▷ 0.00	0.00	LC 1-4
				Max M _z	▷ -4.59	0.00	0.05	-0.00	▷ 0.00	0.00	LC 1-4
				Min M _z	▷ -4.59	0.00	0.05	-0.00	▷ 0.00	0.00	LC 1-4
		171	2.945	Max N	▷ -4.46	0.00	-0.05	-0.00	0.00	0.00	LC 1-5
				Min N	▷ -4.73	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Max V _y	▷ -4.59	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Min V _y	▷ -4.59	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Max V _z	▷ -4.59	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Min V _z	▷ -4.59	0.00	-0.05	-0.00	0.00	0.00	LC 1-4
				Max M _T	▷ -4.59	0.00	-0.05	▷ 0.00	0.00	0.00	LC 1-4
				Min M _T	▷ -4.59	0.00	-0.05	▷ -0.00	0.00	0.00	LC 1-5
				Max M _y	▷ -4.59	0.00	-0.05	-0.00	▷ 0.00	0.00	LC 1-4

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
260	RC6				Min M _y	-4.59	0.00	-0.05	-0.00	0.00	LC 1-4
					Max M _z	-4.59	0.00	-0.05	-0.00	0.00	LC 1-4
					Min M _z	-4.59	0.00	-0.05	-0.00	0.00	LC 1-4
261	RC1	170	0.000	Left	Max N	-0.50	-0.01	-0.61	-0.00	0.24	CO 12
					Min N	-1.29	-0.01	-2.23	-0.00	0.78	CO 1
					Max V _y	-0.51	-0.01	-0.61	-0.00	0.24	CO 13
					Min V _y	-1.27	-0.02	-2.23	-0.00	0.78	CO 6
					Max V _z	-0.50	-0.01	-0.61	-0.00	0.24	CO 12
					Min V _z	-1.29	-0.01	-2.23	-0.00	0.78	CO 1
					Max M _T	-0.50	-0.01	-0.61	-0.00	0.24	CO 14
					Min M _T	-1.28	-0.01	-2.23	-0.00	0.78	CO 5
					Max M _y	-1.29	-0.01	-2.23	-0.00	0.78	CO 1
					Min M _y	-0.50	-0.01	-0.61	-0.00	0.24	CO 12
					Max M _z	-1.27	-0.02	-2.23	-0.00	0.78	CO 6
					Min M _z	-0.51	-0.01	-0.61	-0.00	0.24	CO 13
					Max N	-0.50	-0.01	-0.61	-0.00	0.24	CO 12
					Min N	-1.29	-0.01	-2.23	-0.00	0.78	CO 1
					Max V _y	-0.51	-0.01	-0.61	-0.00	0.24	CO 13
					Min V _y	-1.27	-0.02	-2.22	-0.00	0.78	CO 6
					Max V _z	-0.50	-0.01	-0.61	-0.00	0.24	CO 12
					Min V _z	-1.29	-0.01	-2.23	-0.00	0.78	CO 1
					Max M _T	-0.50	-0.01	-0.61	-0.00	0.24	CO 14
					Min M _T	-1.28	-0.01	-2.23	-0.00	0.78	CO 5
					Max M _y	-1.29	-0.01	-2.23	-0.00	0.78	CO 1
					Min M _y	-0.50	-0.01	-0.61	-0.00	0.24	CO 12
					Max M _z	-1.27	-0.02	-2.22	-0.00	0.78	CO 6
					Min M _z	-0.51	-0.01	-0.61	-0.00	0.24	CO 13
					Max N	-0.10	-0.01	0.23	-0.00	0.00	CO 12
					Min N	-0.69	-0.02	0.98	0.00	-0.01	CO 1
					Max V _y	0.08	-0.01	0.23	-0.00	0.00	CO 13
					Min V _y	-0.67	-0.02	0.98	0.00	-0.01	CO 6
					Max V _z	-0.67	-0.02	0.98	0.00	-0.01	CO 6
					Min V _z	0.08	-0.01	0.23	-0.00	0.00	CO 13
					Max M _T	-0.68	-0.02	0.98	0.00	-0.01	CO 8
					Min M _T	0.09	-0.01	0.23	-0.00	0.00	CO 11
					Max M _y	0.10	-0.01	0.23	-0.00	0.00	CO 12
					Min M _y	-0.69	-0.02	0.98	0.00	-0.01	CO 1
					Max M _z	-0.67	-0.02	0.98	0.00	-0.01	CO 6
					Min M _z	0.08	-0.01	0.23	-0.00	0.00	CO 13
					Max N	-0.10	-0.01	0.23	-0.00	0.00	CO 12
					Min N	-0.69	-0.02	0.98	0.00	-0.01	CO 1
					Max V _y	0.08	-0.01	0.23	-0.00	0.00	CO 13
					Min V _y	-0.67	-0.02	0.98	0.00	-0.01	CO 6
					Max V _z	-0.67	-0.02	0.98	0.00	-0.01	CO 6
					Min V _z	0.08	-0.01	0.23	-0.00	0.00	CO 13
					Max M _T	-0.68	-0.02	0.98	0.00	-0.01	CO 8
					Min M _T	0.09	-0.01	0.23	-0.00	0.00	CO 11
					Max M _y	0.10	-0.01	0.23	-0.00	0.00	CO 12
					Min M _y	-0.69	-0.02	0.98	0.00	-0.01	CO 1
					Max M _z	-0.67	-0.02	0.98	0.00	-0.01	CO 6
					Min M _z	0.08	-0.01	0.23	-0.00	0.00	CO 13
					Max N	0.32	-0.01	0.54	0.00	0.18	CO 12
					Min N	-0.48	-0.02	1.72	0.00	0.65	CO 1
					Max V _y	0.30	-0.01	0.54	0.00	0.18	CO 13
					Min V _y	-0.46	-0.02	1.72	0.00	0.65	CO 6
					Max V _z	-0.46	-0.02	1.72	0.00	0.65	CO 6
					Min V _z	0.30	-0.01	0.54	0.00	0.18	CO 13
					Max M _T	-0.47	-0.02	1.72	0.00	0.65	CO 8
					Min M _T	0.31	-0.01	0.54	0.00	0.18	CO 11
					Max M _y	-0.46	-0.02	1.72	0.00	0.65	CO 6
					Min M _y	0.30	-0.01	0.54	0.00	0.18	CO 13
					Max M _z	-0.46	-0.02	1.72	0.00	0.65	CO 6
					Min M _z	0.30	-0.01	0.54	0.00	0.18	CO 13
					Max N	-0.29	-0.01	-0.41	-0.00	0.17	CO 26
					Min N	-0.89	-0.01	-1.61	-0.00	0.56	CO 15
					Max V _y	-0.31	-0.01	-0.41	-0.00	0.17	CO 27
					Min V _y	-0.87	-0.01	-1.61	-0.00	0.56	CO 20
					Max V _z	-0.29	-0.01	-0.41	-0.00	0.17	CO 26
					Min V _z	-0.89	-0.01	-1.61	-0.00	0.56	CO 15
					Max M _T	-0.30	-0.01	-0.41	-0.00	0.17	CO 28
					Min M _T	-0.88	-0.01	-1.61	-0.00	0.56	CO 19
					Max M _y	-0.89	-0.01	-1.61	-0.00	0.56	CO 15
					Min M _y	-0.29	-0.01	-0.41	-0.00	0.17	CO 26
					Max M _z	-0.87	-0.01	-1.61	-0.00	0.56	CO 20
					Min M _z	-0.31	-0.01	-0.41	-0.00	0.17	CO 27
					Max N	-0.29	-0.01	-0.41	-0.00	0.17	CO 26
					Min N	-0.89	-0.01	-1.61	-0.00	0.56	CO 15
					Max V _y	-0.31	-0.01	-0.41	-0.00	0.17	CO 27
					Min V _y	-0.87	-0.01	-1.61	-0.00	0.56	CO 20
					Max V _z	-0.29	-0.01	-0.41	-0.00	0.17	CO 26



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
261	RC2			Min V _z	-0.89	-0.01	▷ -1.61	-0.00	0.56	0.00	CO 15
				Max M _T	-0.30	-0.01	▷ -0.41	-0.00	0.17	0.00	CO 28
				Min M _T	-0.88	-0.01	▷ -1.61	-0.00	0.56	0.00	CO 19
				Max M _y	-0.89	-0.01	▷ -1.61	-0.00	0.56	0.00	CO 15
				Min M _y	-0.29	-0.01	▷ -0.41	-0.00	0.17	0.00	CO 26
				Max M _z	-0.87	-0.01	▷ -1.61	-0.00	0.56	0.00	CO 20
				Min M _z	-0.31	-0.01	▷ -0.41	-0.00	0.17	0.00	CO 27
			1.265 Left	Max N	0.11	-0.01	0.15	-0.00	0.00	0.01	CO 26
				Min N	-0.49	-0.01	0.71	-0.00	-0.01	0.02	CO 15
				Max V _y	0.09	▷ -0.01	0.15	-0.00	0.00	0.01	CO 27
				Min V _y	-0.47	▷ -0.01	0.71	-0.00	-0.01	0.02	CO 20
				Max V _z	-0.47	-0.01	▷ 0.71	-0.00	-0.01	0.02	CO 20
				Min V _z	0.09	-0.01	▷ 0.15	-0.00	0.00	0.01	CO 27
				Max M _T	0.10	-0.01	0.15	▷ -0.00	0.00	0.01	CO 28
				Min M _T	-0.48	-0.01	0.71	▷ -0.00	-0.01	0.02	CO 17
				Max M _y	0.11	-0.01	0.15	-0.00	0.00	0.01	CO 26
				Min M _y	-0.49	-0.01	0.71	-0.00	-0.01	0.02	CO 15
				Max M _z	-0.47	-0.01	0.71	-0.00	-0.01	0.02	CO 20
				Min M _z	0.09	-0.01	0.15	-0.00	0.00	0.01	CO 27
			1.265 Right	Max N	0.11	-0.01	0.15	-0.00	0.00	0.01	CO 26
				Min N	-0.49	-0.01	0.71	-0.00	-0.01	0.02	CO 15
				Max V _y	0.09	▷ -0.01	0.15	-0.00	0.00	0.01	CO 27
				Min V _y	-0.47	▷ -0.01	0.71	-0.00	-0.01	0.02	CO 20
				Max V _z	-0.47	-0.01	▷ 0.71	-0.00	-0.01	0.02	CO 20
				Min V _z	0.09	-0.01	▷ 0.15	-0.00	0.00	0.01	CO 27
				Max M _T	0.10	-0.01	0.15	▷ -0.00	0.00	0.01	CO 28
				Min M _T	-0.48	-0.01	0.71	▷ -0.00	-0.01	0.02	CO 17
				Max M _y	0.11	-0.01	0.15	-0.00	0.00	0.01	CO 26
				Min M _y	-0.49	-0.01	0.71	-0.00	-0.01	0.02	CO 15
				Max M _z	-0.47	-0.01	0.71	-0.00	-0.01	0.02	CO 20
				Min M _z	0.09	-0.01	0.15	-0.00	0.00	0.01	CO 27
			1.729 Left	Max N	0.25	-0.01	0.36	0.00	0.12	0.02	CO 26
				Min N	-0.34	-0.01	1.23	0.00	0.47	0.02	CO 15
				Max V _y	0.24	▷ -0.01	0.36	0.00	0.12	0.02	CO 27
				Min V _y	-0.33	▷ -0.01	1.23	0.00	0.47	0.02	CO 20
				Max V _z	-0.33	-0.01	▷ 1.23	0.00	0.47	0.02	CO 20
				Min V _z	0.24	-0.01	0.36	0.00	0.12	0.02	CO 27
				Max M _T	-0.33	-0.01	1.23	▷ 0.00	0.47	0.02	CO 22
				Min M _T	0.25	-0.01	0.36	▷ 0.00	0.12	0.02	CO 25
				Max M _y	-0.33	-0.01	1.23	0.00	▷ 0.47	0.02	CO 20
				Min M _y	0.24	-0.01	0.36	0.00	▷ 0.12	0.02	CO 27
				Max M _z	-0.33	-0.01	1.23	0.00	▷ 0.47	0.02	CO 20
				Min M _z	0.24	-0.01	0.36	0.00	▷ 0.12	0.02	CO 27
		107	1.729 Right	Max N	0.25	-0.01	0.36	0.00	0.12	0.02	CO 26
				Min N	-0.34	-0.01	1.23	0.00	0.47	0.02	CO 15
				Max V _y	0.24	-0.01	0.36	0.00	0.12	0.02	CO 27
				Min V _y	-0.33	-0.01	1.23	0.00	0.47	0.02	CO 20
				Max V _z	-0.33	-0.01	▷ 1.23	0.00	0.47	0.02	CO 20
				Min V _z	0.24	-0.01	▷ 0.36	0.00	0.12	0.02	CO 27
				Max M _T	-0.33	-0.01	1.23	▷ 0.00	0.47	0.02	CO 22
				Min M _T	0.25	-0.01	0.36	▷ 0.00	0.12	0.02	CO 25
				Max M _y	-0.33	-0.01	1.23	0.00	▷ 0.47	0.02	CO 20
				Min M _y	0.24	-0.01	0.36	0.00	▷ 0.12	0.02	CO 27
				Max M _z	-0.33	-0.01	1.23	0.00	▷ 0.47	0.02	CO 20
				Min M _z	0.24	-0.01	0.36	0.00	▷ 0.12	0.02	CO 27
	RC6	170	0.000 Left	Max N	2.32	2.64	-1.12	0.00	0.22	2.33	LC 1-5
				Min N	-2.43	-2.67	-1.38	-0.00	0.66	-2.33	LC 1-4
				Max V _y	1.62	▷ 3.39	-1.24	0.00	0.43	2.99	LC 1-5
				Min V _y	-1.73	▷ -3.41	-1.26	-0.00	0.45	-2.98	LC 1-4
				Max V _z	1.12	0.11	▷ -0.91	0.00	-0.13	0.11	LC 1-5
				Min V _z	-1.24	-0.14	▷ -1.60	-0.00	1.02	-0.11	LC 1-4
				Max M _T	0.65	1.73	-1.26	▷ 0.00	0.45	1.55	LC 1-4
				Min M _T	-0.77	-1.75	-1.25	▷ -0.00	0.43	-1.55	LC 1-5
				Max M _y	-1.25	-0.13	-1.60	-0.00	1.02	-0.10	LC 1-4
				Min M _y	1.13	0.11	-0.91	0.00	▷ -0.13	0.11	LC 1-5
				Max M _z	1.61	3.39	-1.24	0.00	▷ 0.43	2.99	LC 1-5
				Min M _z	-1.73	-3.41	-1.26	-0.00	0.45	▷ -2.99	LC 1-4
			0.000 Right	Max N	2.32	2.64	-1.12	0.00	0.22	2.33	LC 1-5
				Min N	-2.43	-2.67	-1.38	-0.00	0.66	-2.33	LC 1-4
				Max V _y	1.62	▷ 3.39	-1.24	0.00	0.43	2.99	LC 1-5
				Min V _y	-1.73	▷ -3.41	-1.26	-0.00	0.45	-2.98	LC 1-4
				Max V _z	1.12	0.11	▷ -0.91	0.00	-0.13	0.11	LC 1-5
				Min V _z	-1.24	-0.14	▷ -1.60	-0.00	1.02	-0.11	LC 1-4
				Max M _T	0.65	1.73	-1.26	▷ 0.00	0.45	1.55	LC 1-4
				Min M _T	-0.77	-1.75	-1.24	▷ -0.00	0.43	-1.55	LC 1-5
				Max M _y	-1.25	-0.13	-1.60	-0.00	1.02	-0.10	LC 1-4
				Min M _y	1.13	0.11	-0.91	0.00	▷ -0.13	0.11	LC 1-5
				Max M _z	1.61	3.39	-1.24	0.00	▷ 0.43	2.99	LC 1-5
				Min M _z	-1.73	-3.41	-1.26	-0.00	0.45	▷ -2.99	LC 1-4
			1.265 Left	Max N	2.34	2.64	0.67	0.00	-0.06	-1.01	LC 1-5
				Min N	-2.41	-2.67	0.41	-0.00	0.05	1.05	LC 1-4
				Max V _y	1.64	▷ 3.39	0.55	0.00	-0.01	-1.30	LC 1-5
				Min V _y	-1.70	▷ -3.41	0.53	-0.00	-0.01	1.33	LC 1-4
				Max V _z	1.15	0.11	▷ 0.88	0.00	-0.14	-0.03	LC 1-5
				Min V _z	-1.21	-0.14	▷ 0.19	-0.00	0.13	0.07	LC 1-4
				Max M _T	0.68	1.73	0.53	▷ 0.00	-0.01	-0.63	LC 1-4
				Min M _T	-0.74	-1.75	0.55	▷ -0.00	-0.01	0.67	LC 1-5
				Max M _y	-1.23	-0.11	0.20	-0.00	▷ 0.13	0.05	LC 1-5
				Min M _y	1.17	0.08	0.88	0.00	▷ -0.15	-0.02	LC 1-4
				Max M _z	-1.69	-3.41	0.53	-0.00	-0.01	1.33	LC 1-5
				Min M _z	1.63	3.39	0.55	0.00	-0.01	-1.30	LC 1-4
			1.265	Max N	2.34	2.64	0.67	0.00	-0.06	-1.01	LC 1-5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding Load Cases		
				N	V _y	V _z	M _T	M _y	M _z					
261	RC6		Right	Min N	▷ -2.41	▷ -2.67	▷ 0.41	▷ -0.00	▷ 0.05	▷ 1.05	LC 1-4			
				Max V _y	▷ 1.64	▷ 3.39	▷ 0.55	▷ 0.00	▷ -0.01	▷ -1.30	LC 1-5			
				Min V _y	▷ -1.70	▷ -3.41	▷ 0.53	▷ -0.00	▷ -0.01	▷ 1.33	LC 1-4			
				Max V _z	▷ 1.15	▷ 0.11	▷ 0.88	▷ 0.00	▷ -0.14	▷ -0.03	LC 1-5			
				Min V _z	▷ -1.21	▷ -0.14	▷ 0.19	▷ -0.00	▷ 0.13	▷ 0.07	LC 1-4			
				Max M _T	▷ 0.68	▷ 1.73	▷ 0.53	▷ 0.00	▷ -0.01	▷ -0.63	LC 1-4			
				Min M _T	▷ -0.74	▷ -1.75	▷ 0.55	▷ -0.00	▷ -0.01	▷ 0.67	LC 1-5			
				Max M _y	▷ -1.23	▷ -0.11	▷ 0.20	▷ -0.00	▷ 0.13	▷ 0.05	LC 1-5			
				Min M _y	▷ 1.17	▷ 0.08	▷ 0.88	▷ 0.00	▷ -0.15	▷ -0.02	LC 1-4			
				Max M _z	▷ -1.69	▷ -3.41	▷ 0.53	▷ -0.00	▷ -0.01	▷ 1.33	LC 1-5			
				Min M _z	▷ 1.63	▷ 3.39	▷ 0.55	▷ 0.00	▷ -0.01	▷ -1.30	LC 1-4			
				1.729 Left	Max N	▷ 2.35	▷ 2.64	▷ 1.00	▷ 0.00	▷ 0.35	▷ -2.23	LC 1-5		
					Min N	▷ -2.40	▷ -2.67	▷ 0.74	▷ -0.00	▷ 0.34	▷ 2.29	LC 1-4		
					Max V _y	▷ 1.65	▷ 3.39	▷ 0.88	▷ 0.00	▷ 0.35	▷ -2.87	LC 1-5		
					Min V _y	▷ -1.69	▷ -3.41	▷ 0.86	▷ -0.00	▷ 0.34	▷ 2.92	LC 1-4		
					Max V _z	▷ 1.16	▷ 0.11	▷ 1.21	▷ 0.00	▷ 0.37	▷ -0.08	LC 1-5		
					Min V _z	▷ -1.20	▷ -0.14	▷ 0.52	▷ -0.00	▷ 0.32	▷ 0.13	LC 1-4		
					Max M _T	▷ 0.69	▷ 1.73	▷ 0.86	▷ 0.00	▷ 0.34	▷ -1.43	LC 1-4		
					Min M _T	▷ -0.73	▷ -1.75	▷ 0.88	▷ -0.00	▷ 0.35	▷ 1.48	LC 1-5		
					Max M _y	▷ 0.74	▷ 0.12	▷ 1.17	▷ -0.00	▷ 0.37	▷ -0.09	LC 1-5		
					Min M _y	▷ -0.78	▷ -0.15	▷ 0.57	▷ 0.00	▷ 0.32	▷ 0.14	LC 1-4		
				107	1.729 Right	Max M _z	▷ -1.68	▷ -3.41	▷ 0.86	▷ -0.00	▷ 0.34	▷ 2.92	LC 1-5	
						Min M _z	▷ 1.64	▷ 3.39	▷ 0.88	▷ 0.00	▷ 0.35	▷ -2.87	LC 1-4	
			Max N			▷ 2.35	▷ 2.64	▷ 1.00	▷ 0.00	▷ 0.35	▷ -2.23	LC 1-5		
			Min N			▷ -2.40	▷ -2.67	▷ 0.74	▷ -0.00	▷ 0.34	▷ 2.29	LC 1-4		
			Max V _y			▷ 1.65	▷ 3.39	▷ 0.88	▷ 0.00	▷ 0.35	▷ -2.87	LC 1-5		
			Min V _y			▷ -1.69	▷ -3.41	▷ 0.86	▷ -0.00	▷ 0.34	▷ 2.92	LC 1-4		
			Max V _z			▷ 1.16	▷ 0.11	▷ 1.21	▷ 0.00	▷ 0.37	▷ -0.08	LC 1-5		
			Min V _z			▷ -1.20	▷ -0.14	▷ 0.52	▷ -0.00	▷ 0.32	▷ 0.13	LC 1-4		
			Max M _T			▷ 0.69	▷ 1.73	▷ 0.86	▷ 0.00	▷ 0.34	▷ -1.43	LC 1-4		
			Min M _T			▷ -0.73	▷ -1.75	▷ 0.88	▷ -0.00	▷ 0.35	▷ 1.48	LC 1-5		
			Max M _y			▷ 0.74	▷ 0.12	▷ 1.17	▷ -0.00	▷ 0.37	▷ -0.09	LC 1-5		
			Min M _y			▷ -0.78	▷ -0.15	▷ 0.57	▷ 0.00	▷ 0.32	▷ 0.14	LC 1-4		
			Max M _z			▷ -1.68	▷ -3.41	▷ 0.86	▷ -0.00	▷ 0.34	▷ 2.92	LC 1-5		
			Min M _z			▷ 1.64	▷ 3.39	▷ 0.88	▷ 0.00	▷ 0.35	▷ -2.87	LC 1-4		
			262	RC1	171	0.000 Left	Max N	▷ -2.32	▷ 0.00	▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 12
							Min N	▷ -8.16	▷ 0.01	▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 1
							Max V _y	▷ -8.14	▷ 0.01	▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 3
							Min V _y	▷ -2.34	▷ 0.00	▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 14
							Max V _z	▷ -2.32	▷ 0.00	▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 12
							Min V _z	▷ -8.16	▷ 0.01	▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 1
							Max M _T	▷ -8.14	▷ 0.01	▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 6
							Min M _T	▷ -2.33	▷ 0.00	▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 9
							Max M _y	▷ -8.16	▷ 0.01	▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 1
Min M _y	▷ -2.32	▷ 0.00					▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 12			
Max M _z	▷ -8.14	▷ 0.01					▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 3			
Min M _z	▷ -2.34	▷ 0.00					▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 14			
0.000 Right	Max N	▷ -2.32					▷ 0.00	▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 12		
	Min N	▷ -8.16					▷ 0.01	▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 1		
	Max V _y	▷ -8.14					▷ 0.01	▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 3		
	Min V _y	▷ -2.34					▷ 0.00	▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 14		
	Max V _z	▷ -2.32					▷ 0.00	▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 12		
	Min V _z	▷ -8.16					▷ 0.01	▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 1		
	Max M _T	▷ -8.14					▷ 0.01	▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 6		
	Min M _T	▷ -2.33					▷ 0.00	▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 9		
	Max M _y	▷ -8.16					▷ 0.01	▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 1		
	Min M _y	▷ -2.32					▷ 0.00	▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 12		
110	1.832 Left	Max M _z					▷ -8.14	▷ 0.01	▷ -2.15	▷ 0.00	▷ 0.47	▷ 0.00	CO 3	
		Min M _z				▷ -2.34	▷ 0.00	▷ -0.63	▷ 0.00	▷ 0.13	▷ 0.00	CO 14		
		Max N				▷ -3.14	▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.13	▷ -0.01	CO 12		
		Min N				▷ -8.97	▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 1		
		Max V _y				▷ -8.96	▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 3		
		Min V _y				▷ -3.15	▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.13	▷ -0.01	CO 14		
		Max V _z				▷ -8.95	▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 6		
		Min V _z				▷ -3.16	▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.12	▷ -0.01	CO 13		
		Max M _T				▷ -8.96	▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 8		
		Min M _T				▷ -3.15	▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.12	▷ -0.01	CO 9		
		Max M _y				▷ -8.95	▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 6		
		Min M _y				▷ -3.16	▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.12	▷ -0.01	CO 13		
		Max M _z				▷ -3.15	▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.13	▷ -0.01	CO 14		
		Min M _z				▷ -8.96	▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 3		
		1.832 Right				Max N	▷ -3.14	▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.13	▷ -0.01	CO 12	
						Min N	▷ -8.97	▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 1	
						Max V _y	▷ -8.96	▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 3	
						Min V _y	▷ -3.15	▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.13	▷ -0.01	CO 14	
						Max V _z	▷ -8.95	▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 6	
						Min V _z	▷ -3.16	▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.12	▷ -0.01	CO 13	
						Max M _T	▷ -8.96	▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 8	
Min M _T	▷ -3.15					▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.12	▷ -0.01	CO 9			
Max M _y	▷ -8.95		▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 6						
Min M _y	▷ -3.16		▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.12	▷ -0.01	CO 13						
RC2	171	0.000 Left	Max M _z	▷ -3.15	▷ 0.00	▷ 0.63	▷ 0.00	▷ 0.13	▷ -0.01	CO 14				
			Min M _z	▷ -8.96	▷ 0.00	▷ 2.58	▷ 0.00	▷ 0.87	▷ -0.01	CO 3				
			Max N	▷ -1.54	▷ 0.00	▷ -0.43	▷ 0.00	▷ 0.09	▷ 0.00	CO 26				
			Min N	▷ -5.86	▷ 0.01	▷ -1.56	▷ 0.00	▷ 0.34	▷ 0.00	CO 15				
			Max V _y	▷ -5.85	▷ 0.01	▷ -1.55	▷ 0.00	▷ 0.34	▷ 0.00	CO 17				
			Min V _y	▷ -1.54	▷ 0.00	▷ -0.43	▷ 0.00	▷ 0.09	▷ 0.00	CO 28				
			Max V _z	▷ -1.54	▷ 0.00	▷ -0.43	▷ 0.00	▷ 0.09	▷ 0.00	CO 26				
			Min V _z	▷ -5.86	▷ 0.01	▷ -1.56	▷ 0.00	▷ 0.34	▷ 0.00	CO 15				
			Max M _T	▷ -5.84	▷ 0.01	▷ -1.55	▷ 0.00	▷ 0.34	▷ 0.00	CO 20				
			Min M _T	▷ -1.54	▷ 0.00	▷ -0.43	▷ 0.00	▷ 0.09	▷ 0.00	CO 23				
			Max M _y	▷ -5.86	▷ 0.01	▷ -1.56	▷ 0.00	▷ 0.34	▷ 0.00	CO 15				

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases	
				N	V _y	V _z	M _T	M _y	M _z			
262	RC2		0.000 Right	Min M _y	-1.54	0.00	-0.43	0.00	▷	0.09	0.00	CO 26
				Max M _z	-5.85	0.01	-1.55	0.00	▷	0.34	0.00	CO 17
				Min M _z	-1.54	0.00	-0.43	0.00	▷	0.09	0.00	CO 28
				Max N	-1.54	0.00	-0.43	0.00	▷	0.09	0.00	CO 26
				Min N	-5.86	0.01	-1.56	0.00	▷	0.34	0.00	CO 15
				Max V _y	-5.85	0.01	-1.55	0.00	▷	0.34	0.00	CO 17
				Min V _y	-1.54	0.00	-0.43	0.00	▷	0.09	0.00	CO 28
				Max V _z	-1.54	0.00	-0.43	0.00	▷	0.09	0.00	CO 26
				Min V _z	-5.86	0.01	-1.56	0.00	▷	0.34	0.00	CO 15
				Max M _T	-5.84	0.01	-1.55	0.00	▷	0.34	0.00	CO 20
				Min M _T	-1.54	0.00	-0.43	0.00	▷	0.09	0.00	CO 23
				Max M _y	-5.86	0.01	-1.56	0.00	▷	0.34	0.00	CO 15
			1.832 Left	Min M _y	-1.54	0.00	-0.43	0.00	▷	0.09	0.00	CO 26
				Max M _z	-5.85	0.01	-1.55	0.00	▷	0.34	0.00	CO 17
				Min M _z	-1.54	0.00	-0.43	0.00	▷	0.09	0.00	CO 28
				Max N	-2.08	0.00	0.41	0.00	▷	0.07	-0.00	CO 26
				Min N	-6.40	0.00	1.86	0.00	▷	0.62	-0.01	CO 15
				Max V _y	-6.39	0.00	1.86	0.00	▷	0.62	-0.01	CO 17
				Min V _y	-2.09	0.00	0.41	0.00	▷	0.07	-0.00	CO 28
				Max V _z	-6.39	0.00	1.86	0.00	▷	0.62	-0.01	CO 20
				Min V _z	-2.09	0.00	0.41	0.00	▷	0.07	-0.00	CO 27
				Max M _T	-6.40	0.00	1.86	0.00	▷	0.62	-0.01	CO 22
				Min M _T	-2.09	0.00	0.41	0.00	▷	0.07	-0.00	CO 23
				Max M _y	-6.39	0.00	1.86	0.00	▷	0.62	-0.01	CO 20
			1.832 Right	Min M _y	-2.09	0.00	0.41	0.00	▷	0.07	-0.00	CO 27
				Max M _z	-2.09	0.00	0.41	0.00	▷	0.07	-0.00	CO 28
				Min M _z	-6.39	0.00	1.86	0.00	▷	0.62	-0.01	CO 17
				Max N	-2.08	0.00	0.41	0.00	▷	0.07	-0.00	CO 26
				Min N	-6.40	0.00	1.86	0.00	▷	0.62	-0.01	CO 15
				Max V _y	-6.39	0.00	1.86	0.00	▷	0.62	-0.01	CO 17
				Min V _y	-2.09	0.00	0.41	0.00	▷	0.07	-0.00	CO 28
				Max V _z	-6.39	0.00	1.86	0.00	▷	0.62	-0.01	CO 20
				Min V _z	-2.09	0.00	0.41	0.00	▷	0.07	-0.00	CO 27
				Max M _T	-6.40	0.00	1.86	0.00	▷	0.62	-0.01	CO 22
				Min M _T	-2.09	0.00	0.41	0.00	▷	0.07	-0.00	CO 23
				Max M _y	-6.39	0.00	1.86	0.00	▷	0.62	-0.01	CO 20
	RC6	171	0.000 Left	Min M _y	-2.09	0.00	0.41	0.00	▷	0.07	-0.00	CO 27
				Max M _z	-2.09	0.00	0.41	0.00	▷	0.07	-0.00	CO 28
				Min M _z	-6.39	0.00	1.86	0.00	▷	0.62	-0.01	CO 17
				Max N	-1.32	0.12	-0.68	0.00	▷	-0.22	0.10	LC 1-5
				Min N	-6.74	-0.11	-1.81	0.00	▷	0.78	-0.10	LC 1-4
				Max V _y	-3.77	2.06	-1.30	0.00	▷	0.32	1.88	LC 1-5
				Min V _y	-4.29	-2.06	-1.19	0.00	▷	0.23	-1.88	LC 1-4
				Max V _z	-1.62	-0.16	-0.63	0.00	▷	-0.26	-0.15	LC 1-5
				Min V _z	-6.44	0.17	-1.86	0.00	▷	0.82	0.15	LC 1-4
				Max M _T	-3.75	0.38	-1.32	0.00	▷	0.35	0.35	LC 1-5
				Min M _T	-4.31	-0.37	-1.17	-0.00	▷	0.21	-0.35	LC 1-4
				Max M _y	-6.45	0.17	-1.86	0.00	▷	0.82	0.15	LC 1-4
			0.000 Right	Min M _y	-1.61	-0.16	-0.63	0.00	▷	-0.26	-0.15	LC 1-5
				Max M _z	-3.77	2.06	-1.30	0.00	▷	0.32	1.88	LC 1-5
				Min M _z	-4.29	-2.06	-1.19	0.00	▷	0.23	-1.88	LC 1-4
				Max N	-1.32	0.12	-0.68	0.00	▷	-0.22	0.10	LC 1-5
				Min N	-6.74	-0.11	-1.81	0.00	▷	0.78	-0.10	LC 1-4
				Max V _y	-3.77	2.06	-1.30	0.00	▷	0.32	1.88	LC 1-5
				Min V _y	-4.29	-2.06	-1.19	0.00	▷	0.23	-1.88	LC 1-4
				Max V _z	-1.62	-0.16	-0.63	0.00	▷	-0.26	-0.15	LC 1-5
				Min V _z	-6.44	0.17	-1.86	0.00	▷	0.82	0.15	LC 1-4
				Max M _T	-3.75	0.38	-1.32	0.00	▷	0.35	0.35	LC 1-5
				Min M _T	-4.31	-0.37	-1.17	-0.00	▷	0.21	-0.35	LC 1-4
				Max M _y	-6.45	0.17	-1.86	0.00	▷	0.82	0.15	LC 1-4
			1.832 Left	Min M _y	-1.61	-0.16	-0.63	0.00	▷	-0.26	-0.15	LC 1-5
				Max M _z	-3.77	2.06	-1.30	0.00	▷	0.32	1.88	LC 1-5
				Min M _z	-4.29	-2.06	-1.19	0.00	▷	0.23	-1.88	LC 1-4
				Max N	-1.36	0.12	1.94	0.00	▷	0.93	-0.11	LC 1-5
				Min N	-6.77	-0.11	0.81	0.00	▷	-0.14	0.10	LC 1-4
				Max V _y	-3.80	2.06	1.32	0.00	▷	0.34	-1.90	LC 1-5
				Min V _y	-4.33	-2.06	1.43	0.00	▷	0.44	1.89	LC 1-4
				Max V _z	-1.66	-0.16	1.99	0.00	▷	0.98	0.14	LC 1-5
				Min V _z	-6.47	0.17	0.76	0.00	▷	-0.19	-0.15	LC 1-4
				Max M _T	-3.79	0.38	1.30	0.00	▷	0.32	-0.34	LC 1-5
				Min M _T	-4.34	-0.37	1.45	-0.00	▷	0.47	0.33	LC 1-4
				Max M _y	-1.67	-0.16	1.99	0.00	▷	0.98	0.14	LC 1-5
RC1	172	0.000	Min M _y	-6.46	0.17	0.76	0.00	▷	-0.19	-0.16	LC 1-4	
			Max M _z	-4.33	-2.06	1.43	0.00	▷	0.44	1.89	LC 1-4	
			Min M _z	-3.80	2.06	1.33	0.00	▷	0.35	-1.90	LC 1-5	
			Max N	-2.28	0.00	0.07	-0.00	▷	-0.00	0.00	CO 10	
			Min N	-8.81	0.00	0.08	0.00	▷	-0.00	-0.00	CO 7	
			Max V _y	-8.81	0.00	0.08	0.00	▷	-0.00	-0.00	CO 1	
			Min V _y	-2.28	0.00	0.07	-0.00	▷	-0.00	0.00	CO 12	
			Max V _z	-8.81	0.00	0.08	0.00	▷	-0.00	-0.00	CO 7	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
263	RC1	173	2.945	Min V _z	-2.28	0.00	0.07	-0.00	-0.00	0.00	CO 10
				Max M _T	-8.80	0.00	0.08	0.00	-0.00	-0.00	CO 2
				Min M _T	-2.29	0.00	0.07	-0.00	-0.00	0.00	CO 11
				Max M _y	-2.29	0.00	0.07	-0.00	-0.00	0.00	CO 9
				Min M _y	-8.81	0.00	0.08	0.00	-0.00	-0.00	CO 1
				Max M _z	-2.29	0.00	0.07	-0.00	-0.00	0.00	CO 9
				Min M _z	-8.81	0.00	0.08	0.00	-0.00	-0.00	CO 1
				Max N	-2.28	-0.00	-0.07	-0.00	-0.00	-0.00	CO 10
				Min N	-8.81	-0.00	-0.08	0.00	-0.00	0.00	CO 7
				Max V _y	-2.28	-0.00	-0.07	-0.00	-0.00	-0.00	CO 10
				Min V _y	-8.81	-0.00	-0.08	0.00	-0.00	0.00	CO 1
				Max V _z	-2.28	-0.00	-0.07	-0.00	-0.00	-0.00	CO 12
				Min V _z	-8.81	-0.00	-0.08	0.00	-0.00	0.00	CO 7
				Max M _T	-8.80	-0.00	-0.08	0.00	-0.00	0.00	CO 2
				Min M _T	-2.29	-0.00	-0.07	-0.00	-0.00	-0.00	CO 11
				Max M _y	-2.29	-0.00	-0.07	-0.00	-0.00	-0.00	CO 9
				Min M _y	-8.81	-0.00	-0.08	0.00	-0.00	0.00	CO 1
				Max M _z	-8.81	-0.00	-0.08	0.00	-0.00	0.00	CO 1
				Min M _z	-2.29	-0.00	-0.07	-0.00	-0.00	-0.00	CO 9
	RC2	172	0.000	Max N	-1.55	0.00	0.05	-0.00	0.00	0.00	CO 24
				Min N	-6.38	0.00	0.05	0.00	-0.00	-0.00	CO 21
				Max V _y	-6.38	0.00	0.05	0.00	-0.00	-0.00	CO 15
				Min V _y	-1.55	0.00	0.05	-0.00	0.00	0.00	CO 26
				Max V _z	-6.38	0.00	0.05	0.00	-0.00	-0.00	CO 15
				Min V _z	-1.55	0.00	0.05	-0.00	0.00	0.00	CO 24
				Max M _T	-6.38	0.00	0.05	0.00	-0.00	-0.00	CO 16
				Min M _T	-1.55	0.00	0.05	-0.00	0.00	0.00	CO 25
				Max M _y	-1.55	0.00	0.05	-0.00	0.00	0.00	CO 23
				Min M _y	-6.38	0.00	0.05	0.00	-0.00	-0.00	CO 15
				Max M _z	-1.55	0.00	0.05	-0.00	0.00	0.00	CO 23
				Min M _z	-6.38	0.00	0.05	0.00	-0.00	-0.00	CO 16
				Max N	-1.55	-0.00	-0.05	-0.00	0.00	-0.00	CO 24
				Min N	-6.38	-0.00	-0.05	0.00	-0.00	0.00	CO 21
				Max V _y	-1.55	-0.00	-0.05	-0.00	0.00	-0.00	CO 26
				Min V _y	-6.38	-0.00	-0.05	0.00	-0.00	0.00	CO 15
				Max V _z	-1.55	-0.00	-0.05	-0.00	0.00	-0.00	CO 24
				Min V _z	-6.38	-0.00	-0.05	0.00	-0.00	0.00	CO 15
				Max M _T	-6.38	-0.00	-0.05	0.00	-0.00	0.00	CO 16
				Min M _T	-1.55	-0.00	-0.05	-0.00	0.00	-0.00	CO 25
				Max M _y	-1.55	-0.00	-0.05	-0.00	0.00	-0.00	CO 23
				Min M _y	-6.38	-0.00	-0.05	0.00	-0.00	0.00	CO 15
				Max M _z	-6.38	-0.00	-0.05	0.00	-0.00	0.00	CO 15
				Min M _z	-1.55	-0.00	-0.05	-0.00	0.00	-0.00	CO 23
	RC6	172	0.000	Max N	-5.09	0.00	0.05	0.00	0.00	0.00	LC 1-5
				Min N	-5.18	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Max V _y	-5.13	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Min V _y	-5.13	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Max V _z	-5.13	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Min V _z	-5.13	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Max M _T	-5.13	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Min M _T	-5.13	0.00	0.05	-0.00	0.00	0.00	LC 1-5
				Max M _y	-5.13	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Min M _y	-5.13	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Max M _z	-5.13	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Min M _z	-5.13	0.00	0.05	0.00	0.00	0.00	LC 1-4
				Max N	-5.09	0.00	-0.05	0.00	0.00	0.00	LC 1-5
				Min N	-5.18	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Max V _y	-5.13	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Min V _y	-5.13	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Max V _z	-5.13	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Min V _z	-5.13	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Max M _T	-5.13	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Min M _T	-5.13	0.00	-0.05	-0.00	0.00	0.00	LC 1-5
				Max M _y	-5.13	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Min M _y	-5.13	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Max M _z	-5.13	0.00	-0.05	0.00	0.00	0.00	LC 1-4
				Min M _z	-5.13	0.00	-0.05	0.00	0.00	0.00	LC 1-4
264	RC1	172	0.000 Left	Max N	2.44	-0.00	-0.61	0.00	0.23	-0.00	CO 12
				Min N	2.21	0.01	-2.28	0.00	0.72	-0.01	CO 1
				Max V _y	2.21	0.01	-2.28	0.00	0.72	-0.01	CO 1
				Min V _y	2.44	-0.00	-0.61	0.00	0.23	-0.00	CO 12
				Max V _z	2.44	-0.00	-0.61	0.00	0.23	-0.00	CO 12
				Min V _z	2.21	0.01	-2.28	0.00	0.72	-0.01	CO 1
				Max M _T	2.23	0.01	-2.28	0.00	0.72	-0.01	CO 2
				Min M _T	2.42	-0.00	-0.61	0.00	0.23	-0.00	CO 11
				Max M _y	2.21	0.01	-2.28	0.00	0.72	-0.01	CO 1
				Min M _y	2.44	-0.00	-0.61	0.00	0.23	-0.00	CO 12
				Max M _z	2.42	-0.00	-0.61	0.00	0.23	-0.00	CO 11
				Min M _z	2.23	0.01	-2.28	0.00	0.72	-0.01	CO 2
				Max N	2.44	-0.00	-0.61	0.00	0.23	-0.00	CO 12
				Min N	2.21	0.01	-2.28	0.00	0.72	-0.01	CO 1
				Max V _y	2.21	0.01	-2.28	0.00	0.72	-0.01	CO 1
				Min V _y	2.44	-0.00	-0.61	0.00	0.23	-0.00	CO 12
				Max V _z	2.44	-0.00	-0.61	0.00	0.23	-0.00	CO 12
				Min V _z	2.21	0.01	-2.28	0.00	0.72	-0.01	CO 1
				Max M _T	2.23	0.01	-2.28	0.00	0.72	-0.01	CO 2
				Min M _T	2.42	-0.00	-0.61	0.00	0.23	-0.00	CO 11
				Max M _y	2.21	0.01	-2.28	0.00	0.72	-0.01	CO 1
				Min M _y	2.44	-0.00	-0.61	0.00	0.23	-0.00	CO 12
				Max M _z	2.42	-0.00	-0.61	0.00	0.23	-0.00	CO 11
				Min M _z	2.23	0.01	-2.28	0.00	0.72	-0.01	CO 2
				Max N	3.04	-0.00	0.23	0.00	-0.02	0.00	CO 12
		172	0.000 Right	Max N	3.04	-0.00	0.23	0.00	-0.02	0.00	CO 12



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
264	RC1		Left	Min N	2.81	0.02	0.66	0.00	-0.14	-0.03	CO 1
				Max V _y	2.90	0.02	0.66	0.00	-0.14	-0.03	CO 5
				Min V _y	3.04	-0.00	0.23	0.00	-0.02	0.00	CO 12
				Max V _z	2.90	0.02	0.66	0.00	-0.14	-0.03	CO 5
				Min V _z	2.97	-0.00	0.23	0.00	-0.02	-0.00	CO 13
				Max M _T	2.83	0.02	0.66	0.00	-0.14	-0.03	CO 2
				Min M _T	3.02	-0.00	0.23	0.00	-0.02	-0.00	CO 11
				Max M _y	3.02	-0.00	0.23	0.00	-0.02	-0.00	CO 11
				Min M _y	2.83	0.02	0.66	0.00	-0.14	-0.03	CO 2
				Max M _z	3.04	-0.00	0.23	0.00	-0.02	0.00	CO 12
			1.265 Right	Min M _z	2.81	0.02	0.66	0.00	-0.14	-0.03	CO 1
				Max N	3.04	-0.00	0.23	0.00	-0.02	0.00	CO 12
				Min N	2.81	0.02	0.66	0.00	-0.14	-0.03	CO 1
				Max V _y	2.90	0.02	0.66	0.00	-0.14	-0.03	CO 5
				Min V _y	3.04	-0.00	0.23	0.00	-0.02	0.00	CO 12
				Max V _z	2.90	0.02	0.66	0.00	-0.14	-0.03	CO 5
				Min V _z	2.97	-0.00	0.23	0.00	-0.02	-0.00	CO 13
				Max M _T	2.83	0.02	0.66	0.00	-0.14	-0.03	CO 2
				Min M _T	3.02	-0.00	0.23	0.00	-0.02	-0.00	CO 11
				Max M _y	3.02	-0.00	0.23	0.00	-0.02	-0.00	CO 11
			1.729 Left	Min M _y	2.83	0.02	0.66	0.00	-0.14	-0.03	CO 2
				Max M _z	3.04	-0.00	0.23	0.00	-0.02	0.00	CO 12
				Min M _z	2.81	0.02	0.66	0.00	-0.14	-0.03	CO 1
				Max N	3.25	-0.00	0.54	0.00	0.16	0.00	CO 12
				Min N	3.03	0.02	1.14	0.00	0.30	-0.04	CO 1
				Max V _y	3.12	0.02	1.14	0.00	0.30	-0.04	CO 5
				Min V _y	3.25	-0.00	0.54	0.00	0.16	0.00	CO 12
				Max V _z	3.12	0.02	1.14	0.00	0.30	-0.04	CO 5
				Min V _z	3.19	-0.00	0.54	0.00	0.16	-0.00	CO 13
				Max M _T	3.05	0.02	1.14	0.00	0.30	-0.04	CO 2
			1.729 Right	Min M _T	3.24	-0.00	0.54	0.00	0.16	-0.00	CO 11
				Max M _y	3.12	0.02	1.14	0.00	0.30	-0.04	CO 5
				Min M _y	3.21	-0.00	0.54	0.00	0.16	0.00	CO 14
				Max M _z	3.25	-0.00	0.54	0.00	0.16	0.00	CO 12
				Min M _z	3.07	0.02	1.14	0.00	0.30	-0.04	CO 7
				Max N	3.25	-0.00	0.54	0.00	0.16	0.00	CO 12
				Min N	3.03	0.02	1.14	0.00	0.30	-0.04	CO 1
				Max V _y	3.12	0.02	1.14	0.00	0.30	-0.04	CO 5
				Min V _y	3.25	-0.00	0.54	0.00	0.16	0.00	CO 12
				Max V _z	3.12	0.02	1.14	0.00	0.30	-0.04	CO 5
			103	Min V _z	3.19	-0.00	0.54	0.00	0.16	-0.00	CO 13
				Max M _T	3.05	0.02	1.14	0.00	0.30	-0.04	CO 2
				Min M _T	3.24	-0.00	0.54	0.00	0.16	-0.00	CO 11
				Max M _y	3.12	0.02	1.14	0.00	0.30	-0.04	CO 5
				Min M _y	3.21	-0.00	0.54	0.00	0.16	0.00	CO 14
				Max M _z	3.25	-0.00	0.54	0.00	0.16	0.00	CO 12
				Min M _z	3.07	0.02	1.14	0.00	0.30	-0.04	CO 7
				Max N	3.25	-0.00	0.54	0.00	0.16	0.00	CO 12
				Min N	3.03	0.02	1.14	0.00	0.30	-0.04	CO 1
				Max V _y	3.12	0.02	1.14	0.00	0.30	-0.04	CO 5
	RC2	172	0.000 Left	Min V _y	3.25	-0.00	0.54	0.00	0.16	0.00	CO 12
				Max V _z	3.12	0.02	1.14	0.00	0.30	-0.04	CO 5
				Min V _z	3.19	-0.00	0.54	0.00	0.16	-0.00	CO 13
				Max M _T	3.05	0.02	1.14	0.00	0.30	-0.04	CO 2
				Min M _T	3.24	-0.00	0.54	0.00	0.16	-0.00	CO 11
				Max M _y	3.12	0.02	1.14	0.00	0.30	-0.04	CO 5
				Min M _y	3.21	-0.00	0.54	0.00	0.16	0.00	CO 14
				Max M _z	3.25	-0.00	0.54	0.00	0.16	0.00	CO 12
				Min M _z	3.07	0.02	1.14	0.00	0.30	-0.04	CO 7
				Max N	3.25	-0.00	0.54	0.00	0.16	0.00	CO 12
			0.000 Right	Min N	1.77	-0.00	-0.41	0.00	0.16	-0.00	CO 26
				Max V _y	1.60	0.01	-1.64	0.00	0.52	-0.01	CO 15
				Min V _y	1.77	-0.00	-0.41	0.00	0.16	-0.00	CO 26
				Max V _z	1.77	-0.00	-0.41	0.00	0.16	-0.00	CO 26
				Min V _z	1.60	0.01	-1.64	0.00	0.52	-0.01	CO 15
				Max M _T	1.61	0.01	-1.64	0.00	0.52	-0.01	CO 16
				Min M _T	1.76	-0.00	-0.41	0.00	0.16	-0.00	CO 25
				Max M _y	1.60	0.01	-1.64	0.00	0.52	-0.01	CO 15
				Min M _y	1.77	-0.00	-0.41	0.00	0.16	-0.00	CO 26
				Max M _z	1.76	-0.00	-0.41	0.00	0.16	-0.00	CO 25
			1.265 Left	Min M _z	1.61	0.01	-1.64	0.00	0.52	-0.01	CO 16
				Max N	2.17	-0.00	0.15	0.00	-0.01	0.00	CO 26
				Min N	2.00	0.01	0.47	0.00	-0.10	-0.02	CO 15
				Max V _y	2.03	0.01	0.47	0.00	-0.10	-0.02	CO 21
				Min V _y	2.17	-0.00	0.15	0.00	-0.01	0.00	CO 26
				Max V _z	2.08	0.01	0.47	0.00	-0.10	-0.02	CO 20
				Min V _z	2.12	-0.00	0.15	0.00	-0.01	0.00	CO 27
				Max M _T	2.01	0.01	0.47	0.00	-0.11	-0.02	CO 16
				Min M _T	2.16	-0.00	0.15	0.00	-0.01	0.00	CO 25
				Max M _y	2.16	-0.00	0.15	0.00	-0.01	0.00	CO 25
			1.265 Right	Min M _y	2.01	0.01	0.47	0.00	-0.11	-0.02	CO 16
				Max M _z	2.17	-0.00	0.15	0.00	-0.01	0.00	CO 26
				Min M _z	2.00	0.01	0.47	0.00	-0.10	-0.02	CO 15
				Max N	2.17	-0.00	0.15	0.00	-0.01	0.00	CO 26
				Min N	2.00	0.01	0.47	0.00	-0.10	-0.02	CO 15
				Max V _y	2.03	0.01	0.47	0.00	-0.10	-0.02	CO 21
				Min V _y	2.17	-0.00	0.15	0.00	-0.01	0.00	CO 26
				Max V _z	2.08	0.01	0.47	0.00	-0.10	-0.02	CO 20
				Min V _z	2.12	-0.00	0.15	0.00	-0.01	0.00	CO 27
				Max M _T	2.01	0.01	0.47	0.00	-0.11	-0.02	CO 16
				Min M _T	2.16	-0.00	0.15	0.00	-0.01	0.00	CO 25
				Max M _y	2.16	-0.00	0.15	0.00	-0.01	0.00	CO 25

■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
264	RC2		1.729 Left	Min M _y	2.01	0.01	0.47	0.00	-0.11	-0.02	CO 16
				Max M _z	2.17	-0.00	0.15	0.00	-0.01	0.00	CO 26
				Min M _z	2.00	0.01	0.47	0.00	-0.10	-0.02	CO 15
				Max N	2.32	-0.00	0.36	0.00	0.11	0.00	CO 26
				Min N	2.15	0.01	0.81	0.00	0.21	-0.03	CO 15
				Max V _y	2.21	0.01	0.81	0.00	0.21	-0.03	CO 19
				Min V _y	2.32	-0.00	0.36	0.00	0.11	0.00	CO 26
				Max V _z	2.22	0.01	0.81	0.00	0.21	-0.03	CO 20
				Min V _z	2.27	-0.00	0.36	0.00	0.11	0.00	CO 27
				Max M _T	2.16	0.01	0.81	0.00	0.21	-0.03	CO 16
				Min M _T	2.30	-0.00	0.36	0.00	0.11	0.00	CO 25
				Max M _y	2.21	0.01	0.81	0.00	0.21	-0.03	CO 19
				Min M _y	2.28	-0.00	0.36	0.00	0.11	0.00	CO 28
				Max M _z	2.32	-0.00	0.36	0.00	0.11	0.00	CO 26
				Min M _z	2.18	0.01	0.81	0.00	0.21	-0.03	CO 21
		103	1.729 Right	Max N	2.32	-0.00	0.36	0.00	0.11	0.00	CO 26
				Min N	2.15	0.01	0.81	0.00	0.21	-0.03	CO 15
				Max V _y	2.21	0.01	0.81	0.00	0.21	-0.03	CO 19
				Min V _y	2.32	-0.00	0.36	0.00	0.11	0.00	CO 26
				Max V _z	2.22	0.01	0.81	0.00	0.21	-0.03	CO 20
				Min V _z	2.27	-0.00	0.36	0.00	0.11	0.00	CO 27
				Max M _T	2.16	0.01	0.81	0.00	0.21	-0.03	CO 16
				Min M _T	2.30	-0.00	0.36	0.00	0.11	0.00	CO 25
				Max M _y	2.21	0.01	0.81	0.00	0.21	-0.03	CO 19
				Min M _y	2.28	-0.00	0.36	0.00	0.11	0.00	CO 28
				Max M _z	2.32	-0.00	0.36	0.00	0.11	0.00	CO 26
				Min M _z	2.18	0.01	0.81	0.00	0.21	-0.03	CO 21
	RC6	172	0.000 Left	Max N	6.68	0.79	-1.01	0.00	0.16	0.67	LC 1-5
				Min N	-2.70	-0.77	-1.56	0.00	0.67	-0.69	LC 1-4
				Max V _y	3.13	2.34	-1.26	0.00	0.41	2.04	LC 1-4
				Min V _y	0.84	-2.32	-1.31	-0.00	0.41	-2.05	LC 1-5
				Max V _z	4.64	0.08	-0.67	0.00	-0.20	0.06	LC 1-5
				Min V _z	-0.67	-0.06	-1.90	0.00	1.02	-0.07	LC 1-4
				Max M _T	1.39	1.23	-1.38	0.00	0.57	1.09	LC 1-4
				Min M _T	2.58	-1.22	-1.19	-0.00	0.25	-1.10	LC 1-5
				Max M _y	-0.64	-0.02	-1.89	0.00	1.03	-0.03	LC 1-4
				Min M _y	4.61	0.04	-0.68	0.00	-0.21	0.01	LC 1-5
				Max M _z	3.32	2.34	-1.26	0.00	0.41	2.04	LC 1-5
				Min M _z	0.65	-2.32	-1.32	-0.00	0.41	-2.05	LC 1-4
			0.000 Right	Max N	6.68	0.79	-1.01	0.00	0.16	0.67	LC 1-5
				Min N	-2.70	-0.77	-1.56	0.00	0.67	-0.69	LC 1-4
				Max V _y	3.13	2.34	-1.26	0.00	0.41	2.04	LC 1-4
				Min V _y	0.84	-2.32	-1.31	-0.00	0.41	-2.05	LC 1-5
				Max V _z	4.64	0.08	-0.67	0.00	-0.20	0.06	LC 1-5
				Min V _z	-0.67	-0.06	-1.90	0.00	1.02	-0.07	LC 1-4
				Max M _T	1.39	1.23	-1.38	0.00	0.57	1.09	LC 1-4
				Min M _T	2.58	-1.22	-1.19	-0.00	0.25	-1.10	LC 1-5
				Max M _y	-0.64	-0.02	-1.89	0.00	1.03	-0.03	LC 1-4
				Min M _y	4.61	0.04	-0.68	0.00	-0.21	0.01	LC 1-5
				Max M _z	3.32	2.34	-1.26	0.00	0.41	2.04	LC 1-5
				Min M _z	0.65	-2.32	-1.32	-0.00	0.41	-2.05	LC 1-4
			1.265 Left	Max N	6.70	0.79	0.58	0.00	-0.00	-0.32	LC 1-5
				Min N	-2.68	-0.77	0.02	0.00	-0.19	0.28	LC 1-4
				Max V _y	3.16	2.34	0.33	0.00	-0.06	-0.92	LC 1-4
				Min V _y	0.87	-2.32	0.27	-0.00	-0.13	0.89	LC 1-5
				Max V _z	4.66	0.08	0.92	0.00	0.07	-0.04	LC 1-5
				Min V _z	-0.64	-0.06	-0.32	0.00	-0.27	0.01	LC 1-4
				Max M _T	1.42	1.23	0.20	0.00	-0.06	-0.48	LC 1-4
				Min M _T	2.60	-1.22	0.40	-0.00	-0.13	0.44	LC 1-5
				Max M _y	4.18	0.64	0.67	0.00	0.10	-0.24	LC 1-5
				Min M _y	-0.16	-0.62	-0.07	-0.00	-0.30	0.21	LC 1-4
				Max M _z	0.86	-2.32	0.27	-0.00	-0.13	0.89	LC 1-5
				Min M _z	3.16	2.34	0.33	0.00	-0.07	-0.92	LC 1-4
		1.729 Left	1.729 Left	Max N	6.71	0.79	0.72	0.00	0.32	-0.69	LC 1-5
				Min N	-2.67	-0.77	0.17	0.00	-0.13	0.64	LC 1-4
				Max V _y	3.16	2.34	0.48	0.00	0.14	-2.01	LC 1-4
				Min V _y	0.88	-2.32	0.42	-0.00	0.04	1.96	LC 1-5
				Max V _z	4.67	0.08	1.07	0.00	0.55	-0.08	LC 1-5
				Min V _z	-0.63	-0.06	-0.17	0.00	-0.36	0.04	LC 1-4
				Max M _T	1.43	1.23	0.35	0.00	0.08	-1.05	LC 1-4
				Min M _T	2.61	-1.22	0.54	-0.00	0.10	1.00	LC 1-5
				Max M _y	4.56	0.11	1.05	0.00	0.56	-0.10	LC 1-5
				Min M _y	-0.52	-0.09	-0.16	0.00	-0.38	0.05	LC 1-4
				Max M _z	0.87	-2.32	0.42	-0.00	0.05	1.96	LC 1-5
				Min M _z	3.17	2.34	0.48	0.00	0.14	-2.01	LC 1-4
	103	1.729 Right	1.729 Right	Max N	6.71	0.79	0.72	0.00	0.32	-0.69	LC 1-5
				Min N	-2.67	-0.77	0.17	0.00	-0.13	0.64	LC 1-4
				Max V _y	3.16	2.34	0.48	0.00	0.14	-2.01	LC 1-4
				Min V _y	0.88	-2.32	0.42	-0.00	0.04	1.96	LC 1-5
				Max V _z	4.67	0.08	1.07	0.00	0.55	-0.08	LC 1-5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding			
				N	V _y	V _z	M _T	M _y	M _z	Load Cases				
264	RC6			Min V _z	-0.63	-0.06	▷ -0.17	0.00	-0.36	0.04	LC 1-4			
				Max M _T	1.43	1.23	▷ 0.35	0.00	0.08	-1.05	LC 1-4			
				Min M _T	2.61	-1.22	▷ 0.54	-0.00	0.10	1.00	LC 1-5			
				Max M _y	4.56	0.11	1.05	0.00	▷ 0.56	-0.10	LC 1-5			
				Min M _y	-0.52	-0.09	-0.16	0.00	▷ -0.38	0.05	LC 1-4			
				Max M _z	0.87	-2.32	0.42	-0.00	0.05	1.96	LC 1-5			
				Min M _z	3.17	2.34	0.48	0.00	▷ 0.14	-2.01	LC 1-4			
265	RC1	173	0.000 Left	Max N	▷ 1.44	-0.00	-0.63	-0.00	0.12	-0.00	CO 9			
				Min N	▷ -3.42	-0.01	-2.69	-0.00	0.63	-0.01	CO 8			
				Max V _y	▷ 1.44	-0.00	-0.63	-0.00	0.12	-0.00	CO 9			
				Min V _y	▷ -3.42	-0.01	-2.69	-0.00	0.63	-0.01	CO 8			
				Max V _z	1.42	-0.00	▷ -0.63	-0.00	0.12	-0.00	CO 12			
				Min V _z	▷ -3.40	-0.00	▷ -2.69	-0.00	0.63	-0.01	CO 1			
				Max M _T	1.42	-0.00	-0.63	▷ -0.00	0.12	-0.00	CO 12			
				Min M _T	▷ -3.40	-0.00	-2.69	▷ -0.00	0.63	-0.01	CO 1			
				Max M _y	▷ -3.40	-0.01	-2.69	-0.00	0.63	-0.01	CO 7			
				Min M _y	1.42	-0.00	-0.63	-0.00	0.12	-0.00	CO 10			
				Max M _z	1.44	-0.00	-0.63	-0.00	0.12	▷ -0.00	CO 11			
				Min M _z	▷ -3.42	-0.01	-2.69	-0.00	0.63	▷ -0.01	CO 8			
				0.000 Right	Max N	▷ 1.44	-0.00	-0.63	-0.00	0.12	-0.00	CO 9		
					Min N	▷ -3.42	-0.01	-2.69	-0.00	0.63	-0.01	CO 8		
			Max V _y		▷ 1.44	-0.00	-0.63	-0.00	0.12	-0.00	CO 9			
			Min V _y		▷ -3.42	-0.01	-2.69	-0.00	0.63	-0.01	CO 8			
			Max V _z		1.42	-0.00	▷ -0.63	-0.00	0.12	-0.00	CO 12			
			Min V _z		▷ -3.40	-0.00	▷ -2.69	-0.00	0.63	-0.01	CO 1			
			Max M _T		1.42	-0.00	-0.63	▷ -0.00	0.12	-0.00	CO 12			
			Min M _T		▷ -3.40	-0.00	-2.69	▷ -0.00	0.63	-0.01	CO 1			
			Max M _y		▷ -3.40	-0.01	-2.69	-0.00	0.63	-0.01	CO 7			
			Min M _y		1.42	-0.00	-0.63	-0.00	0.12	-0.00	CO 10			
			Max M _z		1.44	-0.00	-0.63	-0.00	0.12	▷ -0.00	CO 11			
			Min M _z		▷ -3.42	-0.01	-2.69	-0.00	0.63	▷ -0.01	CO 8			
			1.832 Left		Max N	▷ 0.62	-0.00	0.62	-0.00	0.12	-0.00	CO 9		
					Min N	▷ -4.23	-0.00	3.54	-0.00	1.04	0.00	CO 8		
				Max V _y	▷ 0.62	-0.00	0.62	-0.00	0.12	-0.00	CO 9			
				Min V _y	▷ -4.23	-0.00	3.54	-0.00	1.04	0.00	CO 8			
				Max V _z	▷ -4.23	-0.00	3.54	-0.00	1.04	0.00	CO 8			
				Min V _z	0.62	-0.00	0.62	-0.00	0.12	-0.00	CO 9			
				Max M _T	0.52	-0.00	0.62	▷ -0.00	0.12	-0.00	CO 14			
				Min M _T	▷ -4.13	-0.00	3.54	▷ -0.00	1.04	0.00	CO 3			
				Max M _y	▷ -4.23	-0.00	3.54	-0.00	1.04	0.00	CO 8			
				Min M _y	0.62	-0.00	0.62	-0.00	0.12	-0.00	CO 9			
				Max M _z	▷ -4.23	-0.00	3.54	-0.00	1.04	▷ 0.00	CO 8			
				Min M _z	0.62	-0.00	0.62	-0.00	0.12	-0.00	CO 9			
				1.832 Right	Max N	▷ 0.62	-0.00	0.62	-0.00	0.12	-0.00	CO 9		
					Min N	▷ -4.23	-0.00	3.54	-0.00	1.04	0.00	CO 8		
			Max V _y		▷ 0.62	-0.00	0.62	-0.00	0.12	-0.00	CO 9			
			Min V _y		▷ -4.23	-0.00	3.54	-0.00	1.04	0.00	CO 8			
			Max V _z		▷ -4.23	-0.00	3.54	-0.00	1.04	0.00	CO 8			
			Min V _z		0.62	-0.00	0.62	-0.00	0.12	-0.00	CO 9			
			Max M _T		0.52	-0.00	0.62	▷ -0.00	0.12	-0.00	CO 14			
			Min M _T		▷ -4.13	-0.00	3.54	▷ -0.00	1.04	0.00	CO 3			
			Max M _y		▷ -4.23	-0.00	3.54	-0.00	1.04	0.00	CO 8			
			Min M _y		0.62	-0.00	0.62	-0.00	0.12	-0.00	CO 9			
			Max M _z		▷ -4.23	-0.00	3.54	-0.00	1.04	▷ 0.00	CO 8			
			Min M _z		0.62	-0.00	0.62	-0.00	0.12	-0.00	CO 9			
			RC2		173	0.000 Left	Max N	▷ 1.16	-0.00	-0.43	-0.00	0.08	-0.00	CO 23
							Min N	▷ -2.44	-0.00	-1.96	-0.00	0.46	-0.00	CO 22
Max V _y	▷ 1.16	-0.00		-0.43			-0.00	0.08	-0.00	CO 23				
Min V _y	▷ -2.44	-0.00		-1.96			-0.00	0.46	-0.00	CO 22				
Max V _z	1.14	-0.00		▷ -0.43			-0.00	0.08	-0.00	CO 26				
Min V _z	▷ -2.43	-0.00		▷ -1.96			-0.00	0.46	-0.00	CO 15				
Max M _T	1.14	-0.00		-0.43			▷ -0.00	0.08	-0.00	CO 26				
Min M _T	▷ -2.43	-0.00		-1.96			▷ -0.00	0.46	-0.00	CO 15				
Max M _y	▷ -2.43	-0.00		-1.96			-0.00	0.46	-0.00	CO 21				
Min M _y	1.14	-0.00		-0.43			-0.00	0.08	-0.00	CO 24				
Max M _z	1.15	-0.00		-0.43			-0.00	0.08	▷ -0.00	CO 25				
Min M _z	▷ -2.44	-0.00		-1.96			-0.00	0.46	▷ -0.00	CO 16				
0.000 Right	Max N	▷ 1.16		-0.00			-0.43	-0.00	0.08	-0.00	CO 23			
	Min N	▷ -2.44		-0.00			-1.96	-0.00	0.46	-0.00	CO 22			
	Max V _y	▷ 1.16		-0.00		-0.43	-0.00	0.08	-0.00	CO 23				
	Min V _y	▷ -2.44		-0.00		-1.96	-0.00	0.46	-0.00	CO 22				
	Max V _z	1.14		-0.00		▷ -0.43	-0.00	0.08	-0.00	CO 26				
	Min V _z	▷ -2.43		-0.00		▷ -1.96	-0.00	0.46	-0.00	CO 15				
	Max M _T	1.14		-0.00		-0.43	▷ -0.00	0.08	-0.00	CO 26				
	Min M _T	▷ -2.43		-0.00		-1.96	▷ -0.00	0.46	-0.00	CO 15				
	Max M _y	▷ -2.43		-0.00		-1.96	-0.00	0.46	-0.00	CO 21				
	Min M _y	1.14		-0.00		-0.43	-0.00	0.08	-0.00	CO 24				
	Max M _z	1.15		-0.00		-0.43	-0.00	0.08	▷ -0.00	CO 25				
	Min M _z	▷ -2.44		-0.00		-1.96	-0.00	0.46	▷ -0.00	CO 16				
1.832 Left	Max N	▷ 0.61		-0.00		0.41	-0.00	0.07	-0.00	CO 23				
	Min N	▷ -2.99		-0.00		2.57	-0.00	0.75	0.00	CO 22				
	Max V _y	▷ 0.61	-0.00	0.41	-0.00	0.07	-0.00	CO 23						
	Min V _y	▷ -2.99	-0.00	2.57	-0.00	0.75	0.00	CO 22						
	Max V _z	▷ -2.99	-0.00	2.57	-0.00	0.75	0.00	CO 22						
	Min V _z	0.61	-0.00	▷ 0.41	-0.00	0.07	-0.00	CO 23						
	Max M _T	0.54	-0.00	0.41	▷ -0.00	0.07	-0.00	CO 28						
	Min M _T	▷ -2.92	-0.00	2.57	▷ -0.00	0.75	0.00	CO 17						
	Max M _y	▷ -2.99	-0.00	2.57	-0.00	0.75	0.00	CO 22						
	Min M _y	0.61	-0.00	0.41	-0.00	0.07	-0.00	CO 23						
	Max M _z	▷ -2.99	-0.00	2.57	-0.00	0.75	▷ 0.00	CO 22						
	Min M _z	▷ 0.61	-0.00	0.41	-0.00	0.07	▷ -0.00	CO 23						
		104	1.832	Max N	▷ 0.61	-0.00	0.41	-0.00	0.07	-0.00	CO 23			



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
265	RC2		Right	Min N	-2.99	-0.00	2.57	-0.00	0.75	0.00	CO 22
				Max V _y	0.61	-0.00	0.41	-0.00	0.07	-0.00	CO 23
				Min V _y	-2.99	-0.00	2.57	-0.00	0.75	0.00	CO 22
				Max V _z	-2.99	-0.00	2.57	-0.00	0.75	0.00	CO 22
				Min V _z	0.61	-0.00	0.41	-0.00	0.07	-0.00	CO 23
				Max M _T	0.54	-0.00	0.41	-0.00	0.07	-0.00	CO 28
				Min M _T	-2.92	-0.00	2.57	-0.00	0.75	0.00	CO 17
				Max M _y	-2.99	-0.00	2.57	-0.00	0.75	0.00	CO 22
				Min M _y	0.61	-0.00	0.41	-0.00	0.07	-0.00	CO 23
				Max M _z	-2.99	-0.00	2.57	-0.00	0.75	0.00	CO 22
				Min M _z	0.61	-0.00	0.41	-0.00	0.07	-0.00	CO 23
	RC6	173	0.000 Left	Max N	2.82	0.62	-1.55	-0.00	0.30	0.56	LC 1-5
				Min N	-4.26	-0.62	-1.72	-0.00	0.47	-0.57	LC 1-4
				Max V _y	0.42	1.82	-1.71	-0.00	0.44	1.66	LC 1-5
				Min V _y	-1.87	-1.82	-1.56	-0.00	0.32	-1.67	LC 1-4
				Max V _z	1.27	-0.16	-0.99	-0.00	-0.22	-0.15	LC 1-5
				Min V _z	-2.72	0.16	-2.28	-0.00	0.98	0.15	LC 1-4
				Max M _T	0.27	0.20	-1.75	0.00	0.50	0.19	LC 1-5
				Min M _T	-1.72	-0.20	-1.52	-0.00	0.26	-0.19	LC 1-4
				Max M _y	-2.76	0.14	-2.28	-0.00	0.98	0.13	LC 1-4
				Min M _y	1.31	-0.15	-0.99	-0.00	-0.22	-0.13	LC 1-5
				Max M _z	0.42	1.82	-1.71	-0.00	0.44	1.66	LC 1-5
				Min M _z	-1.87	-1.82	-1.56	-0.00	0.32	-1.67	LC 1-4
			0.000 Right	Max N	2.82	0.62	-1.55	-0.00	0.30	0.56	LC 1-5
				Min N	-4.26	-0.62	-1.72	-0.00	0.47	-0.57	LC 1-4
				Max V _y	0.42	1.82	-1.71	-0.00	0.44	1.66	LC 1-5
				Min V _y	-1.87	-1.82	-1.56	-0.00	0.32	-1.67	LC 1-4
				Max V _z	1.27	-0.16	-0.99	-0.00	-0.22	-0.15	LC 1-5
				Min V _z	-2.72	0.16	-2.28	-0.00	0.98	0.15	LC 1-4
				Max M _T	0.27	0.20	-1.75	0.00	0.50	0.19	LC 1-5
				Min M _T	-1.72	-0.20	-1.52	-0.00	0.26	-0.19	LC 1-4
				Max M _y	-2.76	0.14	-2.28	-0.00	0.98	0.13	LC 1-4
				Min M _y	1.31	-0.15	-0.99	-0.00	-0.22	-0.13	LC 1-5
				Max M _z	0.42	1.82	-1.71	-0.00	0.44	1.66	LC 1-5
				Min M _z	-1.87	-1.82	-1.56	-0.00	0.32	-1.67	LC 1-4
			1.832 Left	Max N	2.78	0.62	2.19	-0.00	0.61	-0.57	LC 1-5
				Min N	-4.30	-0.62	2.02	-0.00	0.47	0.57	LC 1-4
				Max V _y	0.39	1.82	2.03	-0.00	0.46	-1.68	LC 1-5
				Min V _y	-1.91	-1.82	2.18	-0.00	0.62	1.67	LC 1-4
				Max V _z	1.24	-0.16	2.75	-0.00	1.13	0.15	LC 1-5
				Min V _z	-2.76	0.16	1.45	-0.00	-0.05	-0.15	LC 1-4
				Max M _T	0.24	0.20	1.99	0.00	0.44	-0.18	LC 1-5
				Min M _T	-1.76	-0.20	2.22	-0.00	0.64	0.18	LC 1-4
				Max M _y	1.20	-0.18	2.75	-0.00	1.13	0.17	LC 1-5
				Min M _y	-2.72	0.18	1.45	-0.00	-0.05	-0.17	LC 1-4
				Max M _z	-1.90	-1.82	2.18	-0.00	0.62	1.67	LC 1-4
				Min M _z	0.38	1.82	2.03	-0.00	0.46	-1.68	LC 1-5
			1.832 Right	Max N	2.78	0.62	2.19	-0.00	0.61	-0.57	LC 1-5
				Min N	-4.30	-0.62	2.02	-0.00	0.47	0.57	LC 1-4
				Max V _y	0.39	1.82	2.03	-0.00	0.46	-1.68	LC 1-5
				Min V _y	-1.91	-1.82	2.18	-0.00	0.62	1.67	LC 1-4
				Max V _z	1.24	-0.16	2.75	-0.00	1.13	0.15	LC 1-5
				Min V _z	-2.76	0.16	1.45	-0.00	-0.05	-0.15	LC 1-4
				Max M _T	0.24	0.20	1.99	0.00	0.44	-0.18	LC 1-5
				Min M _T	-1.76	-0.20	2.22	-0.00	0.64	0.18	LC 1-4
				Max M _y	1.20	-0.18	2.75	-0.00	1.13	0.17	LC 1-5
				Min M _y	-2.72	0.18	1.45	-0.00	-0.05	-0.17	LC 1-4
				Max M _z	-1.90	-1.82	2.18	-0.00	0.62	1.67	LC 1-4
				Min M _z	0.38	1.82	2.03	-0.00	0.46	-1.68	LC 1-5
266	RC1	174	0.000	Max N	-2.46	0.00	0.09	-0.00	0.00	0.00	CO 10
				Min N	-10.81	0.00	0.10	-0.00	-0.00	0.00	CO 7
				Max V _y	-2.46	0.00	0.09	-0.00	0.00	0.00	CO 10
				Min V _y	-10.81	0.00	0.10	-0.00	-0.00	0.00	CO 8
				Max V _z	-10.81	0.00	0.10	-0.00	-0.00	0.00	CO 7
				Min V _z	-2.46	0.00	0.09	-0.00	0.00	0.00	CO 12
				Max M _T	-2.46	0.00	0.09	-0.00	0.00	0.00	CO 10
				Min M _T	-10.81	0.00	0.10	-0.00	-0.00	0.00	CO 7
				Max M _y	-2.46	0.00	0.09	-0.00	0.00	0.00	CO 9
				Min M _y	-10.81	0.00	0.10	-0.00	-0.00	0.00	CO 1
				Max M _z	-10.81	0.00	0.10	-0.00	-0.00	0.00	CO 1
				Min M _z	-2.46	0.00	0.09	-0.00	0.00	0.00	CO 9
			175 3.755	Max N	-2.46	-0.00	-0.09	-0.00	0.00	-0.00	CO 10
				Min N	-10.81	-0.00	-0.10	-0.00	-0.00	-0.00	CO 7
				Max V _y	-10.81	-0.00	-0.10	-0.00	-0.00	-0.00	CO 7
				Min V _y	-2.46	-0.00	-0.09	-0.00	0.00	-0.00	CO 12
				Max V _z	-2.46	-0.00	-0.09	-0.00	0.00	-0.00	CO 10
				Min V _z	-10.81	-0.00	-0.10	-0.00	-0.00	-0.00	CO 8
				Max M _T	-2.46	-0.00	-0.09	-0.00	0.00	-0.00	CO 10
				Min M _T	-10.81	-0.00	-0.10	-0.00	-0.00	-0.00	CO 7
				Max M _y	-2.46	-0.00	-0.09	-0.00	0.00	-0.00	CO 9
				Min M _y	-10.81	-0.00	-0.10	-0.00	-0.00	-0.00	CO 1
				Max M _z	-2.46	-0.00	-0.09	-0.00	0.00	-0.00	CO 9
	RC2	174	0.000	Max N	-1.67	0.00	0.07	-0.00	0.00	0.00	CO 24
				Min N	-7.85	0.00	0.07	-0.00	0.00	0.00	CO 21
				Max V _y	-1.67	0.00	0.07	-0.00	0.00	0.00	CO 24
				Min V _y	-7.85	0.00	0.07	-0.00	0.00	0.00	CO 21
				Max V _z	-7.85	0.00	0.07	-0.00	0.00	0.00	CO 17
				Min V _z	-1.67	0.00	0.07	-0.00	0.00	0.00	CO 24
				Max M _T	-1.67	0.00	0.07	-0.00	0.00	0.00	CO 24
				Min M _T	-7.85	0.00	0.07	-0.00	0.00	0.00	CO 21
				Max M _y	-7.85	0.00	0.07	-0.00	0.00	0.00	CO 15



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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
266	RC2	175	3.755	Min M _y	-7.85	0.00	0.07	-0.00	0.00	0.00	CO 15
				Max M _z	-7.85	0.00	0.07	-0.00	0.00	0.00	CO 15
				Min M _z	-1.67	0.00	0.07	-0.00	0.00	0.00	CO 23
				Max N	-1.67	-0.00	-0.07	-0.00	0.00	-0.00	CO 24
				Min N	-7.85	-0.00	-0.07	-0.00	0.00	-0.00	CO 21
				Max V _y	-7.85	-0.00	-0.07	-0.00	0.00	-0.00	CO 21
				Min V _y	-1.67	-0.00	-0.07	-0.00	0.00	-0.00	CO 24
				Max V _z	-1.67	-0.00	-0.07	-0.00	0.00	-0.00	CO 24
				Min V _z	-7.85	-0.00	-0.07	-0.00	0.00	-0.00	CO 21
				Max M _T	-1.67	-0.00	-0.07	-0.00	0.00	-0.00	CO 24
				Min M _T	-7.85	-0.00	-0.07	-0.00	0.00	-0.00	CO 21
				Max M _y	-7.85	-0.00	-0.07	-0.00	0.00	-0.00	CO 15
				Min M _y	-7.85	-0.00	-0.07	-0.00	0.00	-0.00	CO 15
				Max M _z	-7.85	-0.00	-0.07	-0.00	0.00	-0.00	CO 16
				Min M _z	-7.85	-0.00	-0.07	-0.00	0.00	-0.00	CO 15
	RC6	174	0.000	Max N	-6.43	0.00	0.07	-0.00	0.00	0.00	LC 1-4
				Min N	-6.50	0.00	0.07	0.00	0.00	0.00	LC 1-5
				Max V _y	-6.46	0.00	0.07	-0.00	0.00	0.00	LC 1-4
				Min V _y	-6.46	0.00	0.07	-0.00	0.00	0.00	LC 1-4
				Max V _z	-6.46	0.00	0.07	-0.00	0.00	0.00	LC 1-4
				Min V _z	-6.46	0.00	0.07	-0.00	0.00	0.00	LC 1-4
				Max M _T	-6.47	0.00	0.07	0.00	0.00	0.00	LC 1-4
				Min M _T	-6.45	0.00	0.07	-0.00	0.00	0.00	LC 1-5
				Max M _y	-6.46	0.00	0.07	-0.00	0.00	0.00	LC 1-4
				Min M _y	-6.46	0.00	0.07	-0.00	0.00	0.00	LC 1-4
				Max M _z	-6.46	0.00	0.07	-0.00	0.00	0.00	LC 1-4
				Min M _z	-6.46	0.00	0.07	-0.00	0.00	0.00	LC 1-4
		175	3.755	Max N	-6.43	0.00	-0.07	-0.00	0.00	0.00	LC 1-4
				Min N	-6.50	0.00	-0.07	0.00	0.00	0.00	LC 1-5
				Max V _y	-6.46	0.00	-0.07	-0.00	0.00	0.00	LC 1-4
				Min V _y	-6.46	0.00	-0.07	-0.00	0.00	0.00	LC 1-4
				Max V _z	-6.46	0.00	-0.07	-0.00	0.00	0.00	LC 1-4
				Min V _z	-6.46	0.00	-0.07	-0.00	0.00	0.00	LC 1-4
				Max M _T	-6.47	0.00	-0.07	0.00	0.00	0.00	LC 1-4
				Min M _T	-6.45	0.00	-0.07	-0.00	0.00	0.00	LC 1-5
				Max M _y	-6.46	0.00	-0.07	-0.00	0.00	0.00	LC 1-4
				Min M _y	-6.46	0.00	-0.07	-0.00	0.00	0.00	LC 1-4
				Max M _z	-6.46	0.00	-0.07	-0.00	0.00	0.00	LC 1-4
				Min M _z	-6.46	0.00	-0.07	-0.00	0.00	0.00	LC 1-4
267	RC1	175	0.000 Left	Max N	0.49	-0.00	-0.52	0.00	0.32	0.00	CO 13
				Min N	-0.45	0.00	-2.45	0.00	0.92	-0.00	CO 4
				Max V _y	-0.43	0.00	-2.45	0.00	0.92	-0.00	CO 7
				Min V _y	0.47	-0.00	-0.52	-0.00	0.32	0.00	CO 10
				Max V _z	0.47	-0.00	-0.52	-0.00	0.32	0.00	CO 10
				Min V _z	-0.43	0.00	-2.45	0.00	0.92	-0.00	CO 7
				Max M _T	-0.44	0.00	-2.45	0.00	0.92	-0.00	CO 8
				Min M _T	0.48	-0.00	-0.52	-0.00	0.32	0.00	CO 9
				Max M _y	-0.43	0.00	-2.45	0.00	0.92	-0.00	CO 7
				Min M _y	0.47	-0.00	-0.52	-0.00	0.32	0.00	CO 10
				Max M _z	0.48	-0.00	-0.52	-0.00	0.32	0.00	CO 9
				Min M _z	-0.44	0.00	-2.45	0.00	0.92	-0.00	CO 8
			0.000 Right	Max N	0.49	-0.00	-0.52	0.00	0.32	0.00	CO 13
				Min N	-0.45	0.00	-2.45	0.00	0.92	-0.00	CO 4
				Max V _y	-0.43	0.00	-2.45	0.00	0.92	-0.00	CO 7
				Min V _y	0.47	-0.00	-0.52	-0.00	0.32	0.00	CO 10
				Max V _z	0.47	-0.00	-0.52	-0.00	0.32	0.00	CO 10
				Min V _z	-0.43	0.00	-2.45	0.00	0.92	-0.00	CO 7
				Max M _T	-0.44	0.00	-2.45	0.00	0.92	-0.00	CO 8
				Min M _T	0.48	-0.00	-0.52	-0.00	0.32	0.00	CO 9
				Max M _y	-0.43	0.00	-2.45	0.00	0.92	-0.00	CO 7
				Min M _y	0.47	-0.00	-0.52	-0.00	0.32	0.00	CO 10
				Max M _z	0.48	-0.00	-0.52	-0.00	0.32	0.00	CO 9
				Min M _z	-0.44	0.00	-2.45	0.00	0.92	-0.00	CO 8
		0.899 Left	0.899 Left	Max N	0.66	-0.00	-0.21	0.00	-0.01	0.00	CO 13
				Min N	-0.29	0.00	-0.38	0.00	-0.36	-0.00	CO 4
				Max V _y	-0.27	0.00	-0.38	0.00	-0.35	-0.00	CO 7
				Min V _y	0.63	-0.00	-0.21	-0.00	-0.01	0.00	CO 10
				Max V _z	0.63	-0.00	-0.21	-0.00	-0.01	0.00	CO 10
				Min V _z	-0.27	0.00	-0.38	0.00	-0.35	-0.00	CO 7
				Max M _T	-0.27	0.00	-0.38	0.00	-0.36	-0.00	CO 8
				Min M _T	0.64	-0.00	-0.21	-0.00	-0.01	0.00	CO 9
				Max M _y	0.66	-0.00	-0.21	0.00	-0.01	0.00	CO 13
				Min M _y	-0.29	0.00	-0.38	0.00	-0.36	-0.00	CO 4
				Max M _z	0.63	-0.00	-0.21	-0.00	-0.01	0.00	CO 10
				Min M _z	-0.27	0.00	-0.38	0.00	-0.35	-0.00	CO 7
		0.899 Right	0.899 Right	Max N	0.66	-0.00	-0.21	0.00	-0.01	0.00	CO 13
				Min N	-0.29	0.00	-0.38	0.00	-0.36	-0.00	CO 4
				Max V _y	-0.27	0.00	-0.38	0.00	-0.35	-0.00	CO 7
				Min V _y	0.64	-0.00	-0.21	-0.00	-0.01	0.00	CO 10
				Max V _z	0.64	-0.00	-0.21	-0.00	-0.01	0.00	CO 10
				Min V _z	-0.27	0.00	-0.38	0.00	-0.35	-0.00	CO 7
				Max M _T	-0.27	0.00	-0.38	0.00	-0.36	-0.00	CO 8
				Min M _T	0.64	-0.00	-0.21	-0.00	-0.01	0.00	CO 9
				Max M _y	0.66	-0.00	-0.21	0.00	-0.01	0.00	CO 13
				Min M _y	-0.29	0.00	-0.38	0.00	-0.36	-0.00	CO 4
				Max M _z	0.64	-0.00	-0.21	-0.00	-0.01	0.00	CO 10
				Min M _z	-0.27	0.00	-0.38	0.00	-0.35	-0.00	CO 7
		1.644 Left	1.644 Left	Max N	0.79	-0.00	0.05	-0.00	-0.07	0.00	CO 13
				Min N	-0.16	0.00	1.12	0.00	-0.05	-0.00	CO 4
				Max V _y	-0.13	0.00	1.12	0.00	-0.05	-0.00	CO 7
				Min V _y	0.77	-0.00	0.05	-0.00	-0.07	0.00	CO 10
				Max V _z	-0.16	0.00	1.12	0.00	-0.05	-0.00	CO 4

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]					Moments [kNm]			Corresponding		
				N	V _y	V _z	M _T	M _y	M _z	Load Cases				
267	RC1		1.644 Right	Min V _z	0.79	-0.00	0.05	-0.00	-0.07	0.00	CO 13			
				Max M _T	-0.14	0.00	1.12	0.00	-0.05	-0.00	CO 8			
				Min M _T	0.77	-0.00	0.05	-0.00	-0.07	0.00	CO 9			
				Max M _y	-0.15	0.00	1.12	0.00	-0.05	-0.00	CO 6			
				Min M _y	0.77	-0.00	0.05	-0.00	-0.07	0.00	CO 10			
				Max M _z	0.77	-0.00	0.05	-0.00	-0.07	0.00	CO 10			
				Min M _z	-0.13	0.00	1.12	0.00	-0.05	-0.00	CO 7			
				Max N	0.79	-0.00	0.05	-0.00	-0.07	0.00	CO 13			
				Min N	-0.16	0.00	1.12	0.00	-0.05	-0.00	CO 4			
				Max V _y	-0.13	0.00	1.12	0.00	-0.05	-0.00	CO 7			
				Min V _y	0.77	-0.00	0.05	-0.00	-0.07	0.00	CO 10			
				Max V _z	-0.16	0.00	1.12	0.00	-0.05	-0.00	CO 4			
				Min V _z	0.79	-0.00	0.05	-0.00	-0.07	0.00	CO 13			
				Max M _T	-0.14	0.00	1.12	0.00	-0.05	-0.00	CO 8			
				Min M _T	0.77	-0.00	0.05	-0.00	-0.07	0.00	CO 9			
				Max M _y	-0.15	0.00	1.12	0.00	-0.05	-0.00	CO 6			
				Min M _y	0.77	-0.00	0.05	-0.00	-0.07	0.00	CO 10			
				Max M _z	0.77	-0.00	0.05	-0.00	-0.07	0.00	CO 10			
				Min M _z	-0.13	0.00	1.12	0.00	-0.05	-0.00	CO 7			
				2.147 Left	Max N	0.88	-0.00	0.22	-0.00	0.00	CO 13			
					Min N	-0.07	0.00	1.64	0.00	0.67	-0.00	CO 4		
					Max V _y	-0.04	0.00	1.64	0.00	0.67	-0.00	CO 7		
					Min V _y	0.86	-0.00	0.22	-0.00	-0.00	0.00	CO 10		
					Max V _z	-0.07	0.00	1.64	0.00	0.67	-0.00	CO 4		
			Min V _z		0.88	-0.00	0.22	-0.00	-0.00	0.00	CO 13			
			Max M _T		-0.05	0.00	1.64	0.00	0.67	-0.00	CO 8			
			Min M _T		0.87	-0.00	0.22	-0.00	-0.00	0.00	CO 9			
			Max M _y		-0.06	0.00	1.64	0.00	0.67	-0.00	CO 6			
			Min M _y		0.88	-0.00	0.22	-0.00	-0.00	0.00	CO 13			
			Max M _z		0.86	-0.00	0.22	-0.00	-0.00	0.00	CO 10			
			Min M _z		-0.04	0.00	1.64	0.00	0.67	-0.00	CO 7			
			2.147 Right	Max N	0.88	-0.00	0.22	-0.00	0.00	CO 13				
				Min N	-0.07	0.00	1.64	0.00	0.67	-0.00	CO 4			
				Max V _y	-0.04	0.00	1.64	0.00	0.67	-0.00	CO 7			
				Min V _y	0.86	-0.00	0.22	-0.00	-0.00	0.00	CO 10			
				Max V _z	-0.07	0.00	1.64	0.00	0.67	-0.00	CO 4			
				Min V _z	0.88	-0.00	0.22	-0.00	-0.00	0.00	CO 13			
				Max M _T	-0.05	0.00	1.64	0.00	0.67	-0.00	CO 8			
				Min M _T	0.87	-0.00	0.22	-0.00	-0.00	0.00	CO 9			
				Max M _y	-0.06	0.00	1.64	0.00	0.67	-0.00	CO 6			
				Min M _y	0.88	-0.00	0.22	-0.00	-0.00	0.00	CO 13			
				Max M _z	0.86	-0.00	0.22	-0.00	-0.00	0.00	CO 10			
				Min M _z	-0.04	0.00	1.64	0.00	0.67	-0.00	CO 7			
				RC2	175	0.000 Left	Max N	0.36	-0.00	-0.35	0.00	0.21	0.00	CO 27
							Min N	-0.35	0.00	-1.78	0.00	0.65	-0.00	CO 18
							Max V _y	-0.34	0.00	-1.78	0.00	0.65	-0.00	CO 21
							Min V _y	0.34	-0.00	-0.35	0.00	0.21	0.00	CO 24
							Max V _z	0.34	-0.00	-0.35	0.00	0.21	0.00	CO 24
	Min V _z	-0.34					0.00	-1.78	0.00	0.65	-0.00	CO 21		
	Max M _T	-0.34					0.00	-1.78	0.00	0.65	-0.00	CO 22		
	Min M _T	0.34					-0.00	-0.35	0.00	0.21	0.00	CO 23		
	Max M _y	-0.34					0.00	-1.78	0.00	0.65	-0.00	CO 21		
	Min M _y	0.34					-0.00	-0.35	0.00	0.21	0.00	CO 24		
	Max M _z	0.34					-0.00	-0.35	0.00	0.21	0.00	CO 23		
	Min M _z	-0.34					0.00	-1.78	0.00	0.65	-0.00	CO 22		
	0.000 Right	Max N	0.36				-0.00	-0.35	0.00	0.21	0.00	CO 27		
		Min N	-0.35				0.00	-1.78	0.00	0.65	-0.00	CO 18		
		Max V _y	-0.34				0.00	-1.78	0.00	0.65	-0.00	CO 21		
		Min V _y	0.34				-0.00	-0.35	0.00	0.21	0.00	CO 24		
		Max V _z	0.34				-0.00	-0.35	0.00	0.21	0.00	CO 24		
		Min V _z	-0.34				0.00	-1.78	0.00	0.65	-0.00	CO 21		
		Max M _T	-0.34				0.00	-1.78	0.00	0.65	-0.00	CO 22		
		Min M _T	0.34				-0.00	-0.35	0.00	0.21	0.00	CO 23		
		Max M _y	-0.34				0.00	-1.78	0.00	0.65	-0.00	CO 21		
		Min M _y	0.34				-0.00	-0.35	0.00	0.21	0.00	CO 24		
		Max M _z	0.34				-0.00	-0.35	0.00	0.21	0.00	CO 23		
		Min M _z	-0.34				0.00	-1.78	0.00	0.65	-0.00	CO 22		
	0.899 Left	Max N	0.47			-0.00	-0.14	0.00	-0.01	0.00	CO 27			
		Min N	-0.24			0.00	-0.26	0.00	-0.26	-0.00	CO 18			
		Max V _y	-0.23			0.00	-0.26	0.00	-0.26	-0.00	CO 21			
		Min V _y	0.45			-0.00	-0.14	0.00	-0.01	0.00	CO 24			
		Max V _z	0.45			-0.00	-0.14	0.00	-0.01	0.00	CO 24			
		Min V _z	-0.23			0.00	-0.26	0.00	-0.26	-0.00	CO 21			
		Max M _T	-0.23			0.00	-0.26	0.00	-0.26	-0.00	CO 22			
		Min M _T	0.45			-0.00	-0.14	0.00	-0.01	0.00	CO 23			
		Max M _y	0.47			-0.00	-0.14	0.00	-0.01	0.00	CO 27			
		Min M _y	-0.24			0.00	-0.26	0.00	-0.26	-0.00	CO 18			
		Max M _z	0.45			-0.00	-0.14	0.00	-0.01	0.00	CO 24			
		Min M _z	-0.23			0.00	-0.26	0.00	-0.26	-0.00	CO 21			
		0.899 Right	Max N			0.47	-0.00	-0.14	0.00	-0.01	0.00	CO 27		
			Min N			-0.24	0.00	-0.26	0.00	-0.26	-0.00	CO 18		
			Max V _y			-0.23	0.00	-0.26	0.00	-0.26	-0.00	CO 21		
			Min V _y			0.45	-0.00	-0.14	0.00	-0.01	0.00	CO 24		
			Max V _z			0.45	-0.00	-0.14	0.00	-0.01	0.00	CO 24		
			Min V _z			-0.23	0.00	-0.26	0.00	-0.26	-0.00	CO 21		
			Max M _T			-0.23	0.00	-0.26	0.00	-0.26	-0.00	CO 22		
			Min M _T			0.45	-0.00	-0.14	0.00	-0.01	0.00	CO 23		
			Max M _y			0.47	-0.00	-0.14	0.00	-0.01	0.00	CO 27		
			Min M _y			-0.24	0.00	-0.26	0.00	-0.26	-0.00	CO 18		
			Max M _z			0.45	-0.00	-0.14	0.00	-0.01	0.00	CO 24		
			Min M _z			-0.23	0.00	-0.26	0.00	-0.26	-0.00	CO 21		
	1.644	Max N	0.56	-0.00	0.03	0.00	-0.05	0.00	CO 27					

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]						Moments [kNm]			Corresponding Load Cases
				N	V _y	V _z	M _T	M _y	M _z				
267	RC2		Left	Min N	▷ -0.15	0.00	0.83	0.00	-0.03	-0.00	CO 18		
				Max V _y	▷ -0.13	0.00	0.83	0.00	-0.03	-0.00	CO 21		
				Min V _y	▷ 0.54	-0.00	0.03	0.00	-0.05	0.00	CO 24		
				Max V _z	▷ -0.15	0.00	0.83	0.00	-0.03	-0.00	CO 18		
				Min V _z	▷ 0.56	-0.00	0.03	0.00	-0.05	0.00	CO 27		
				Max M _T	▷ -0.14	0.00	0.83	▷ 0.00	-0.03	-0.00	CO 22		
				Min M _T	▷ 0.54	-0.00	0.03	▷ 0.00	-0.05	0.00	CO 23		
				Max M _y	▷ -0.14	0.00	0.83	0.00	▷ -0.03	-0.00	CO 19		
				Min M _y	▷ 0.54	-0.00	0.03	0.00	▷ -0.05	0.00	CO 24		
				Max M _z	▷ 0.54	-0.00	0.03	0.00	▷ -0.05	0.00	CO 24		
				Min M _z	▷ -0.13	0.00	0.83	0.00	▷ -0.03	-0.00	CO 21		
			1.644 Right	Max N	▷ 0.56	-0.00	0.03	0.00	▷ -0.05	0.00	CO 27		
				Min N	▷ -0.15	0.00	0.83	0.00	▷ -0.03	-0.00	CO 18		
				Max V _y	▷ -0.13	▷ 0.00	0.83	0.00	▷ -0.03	-0.00	CO 21		
				Min V _y	▷ 0.54	-0.00	0.03	0.00	▷ -0.05	0.00	CO 24		
				Max V _z	▷ -0.15	0.00	▷ 0.83	0.00	▷ -0.03	-0.00	CO 18		
				Min V _z	▷ 0.56	-0.00	▷ 0.03	0.00	▷ -0.05	0.00	CO 27		
				Max M _T	▷ -0.14	0.00	▷ 0.83	▷ 0.00	▷ -0.03	-0.00	CO 22		
				Min M _T	▷ 0.54	-0.00	▷ 0.03	▷ 0.00	▷ -0.05	0.00	CO 23		
				Max M _y	▷ -0.14	0.00	▷ 0.83	0.00	▷ -0.03	-0.00	CO 19		
				Min M _y	▷ 0.54	-0.00	▷ 0.03	0.00	▷ -0.05	0.00	CO 24		
				Max M _z	▷ 0.54	-0.00	▷ 0.03	0.00	▷ -0.05	0.00	CO 24		
				Min M _z	▷ -0.13	0.00	▷ 0.83	0.00	▷ -0.03	-0.00	CO 21		
			2.147 Left	Max N	▷ 0.62	-0.00	0.15	0.00	-0.00	0.00	CO 27		
				Min N	▷ -0.09	0.00	1.20	0.00	0.50	-0.00	CO 18		
				Max V _y	▷ -0.07	▷ 0.00	1.20	0.00	0.50	-0.00	CO 21		
				Min V _y	▷ 0.60	-0.00	0.15	0.00	-0.00	0.00	CO 24		
				Max V _z	▷ -0.09	0.00	1.20	0.00	0.50	-0.00	CO 18		
				Min V _z	▷ 0.62	-0.00	0.15	0.00	-0.00	0.00	CO 27		
				Max M _T	▷ -0.08	0.00	1.20	▷ 0.00	0.50	-0.00	CO 22		
				Min M _T	▷ 0.61	-0.00	0.15	▷ 0.00	-0.00	0.00	CO 23		
				Max M _y	▷ -0.09	0.00	1.20	0.00	▷ 0.50	-0.00	CO 20		
				Min M _y	▷ 0.62	-0.00	0.15	▷ 0.00	-0.00	0.00	CO 27		
				Max M _z	▷ 0.60	-0.00	0.15	▷ 0.00	-0.00	0.00	CO 24		
				Min M _z	▷ -0.07	0.00	1.20	0.00	▷ 0.50	-0.00	CO 21		
			2.147 Right	Max N	▷ 0.62	-0.00	0.15	0.00	-0.00	0.00	CO 27		
				Min N	▷ -0.09	0.00	1.20	0.00	0.50	-0.00	CO 18		
				Max V _y	▷ -0.07	▷ 0.00	1.20	0.00	0.50	-0.00	CO 21		
				Min V _y	▷ 0.60	-0.00	0.15	0.00	-0.00	0.00	CO 24		
				Max V _z	▷ -0.09	0.00	1.20	0.00	0.50	-0.00	CO 18		
				Min V _z	▷ 0.62	-0.00	0.15	0.00	-0.00	0.00	CO 27		
				Max M _T	▷ -0.08	0.00	1.20	▷ 0.00	0.50	-0.00	CO 22		
				Min M _T	▷ 0.61	-0.00	0.15	▷ 0.00	-0.00	0.00	CO 23		
				Max M _y	▷ -0.09	0.00	1.20	▷ 0.00	0.50	-0.00	CO 20		
				Min M _y	▷ 0.62	-0.00	0.15	▷ 0.00	-0.00	0.00	CO 27		
				Max M _z	▷ 0.60	-0.00	0.15	▷ 0.00	-0.00	0.00	CO 24		
				Min M _z	▷ -0.07	0.00	1.20	0.00	▷ 0.50	-0.00	CO 21		
	89		2.147 Right	Max N	▷ 0.62	-0.00	0.15	0.00	-0.00	0.00	CO 27		
				Min N	▷ -0.09	0.00	1.20	0.00	0.50	-0.00	CO 18		
				Max V _y	▷ -0.07	▷ 0.00	1.20	0.00	0.50	-0.00	CO 21		
				Min V _y	▷ 0.60	-0.00	0.15	0.00	-0.00	0.00	CO 24		
				Max V _z	▷ -0.09	0.00	1.20	0.00	0.50	-0.00	CO 18		
				Min V _z	▷ 0.62	-0.00	0.15	0.00	-0.00	0.00	CO 27		
				Max M _T	▷ -0.08	0.00	1.20	▷ 0.00	0.50	-0.00	CO 22		
				Min M _T	▷ 0.61	-0.00	0.15	▷ 0.00	-0.00	0.00	CO 23		
				Max M _y	▷ -0.09	0.00	1.20	▷ 0.00	0.50	-0.00	CO 20		
				Min M _y	▷ 0.62	-0.00	0.15	▷ 0.00	-0.00	0.00	CO 27		
				Max M _z	▷ 0.60	-0.00	0.15	▷ 0.00	-0.00	0.00	CO 24		
				Min M _z	▷ -0.07	0.00	1.20	0.00	▷ 0.50	-0.00	CO 21		
				RC6	175	0.000 Left	Max N	▷ 1.47	0.02	-1.38	0.00	0.36	0.02
Min N	▷ -2.13	-0.02	-1.54				0.00	0.53	-0.02	LC 1-4			
Max V _y	▷ -0.53	▷ 0.98	-1.46				0.00	0.46	1.07	LC 1-5			
Min V _y	▷ -0.12	▷ -0.98	-1.46				-0.00	0.44	-1.07	LC 1-4			
Max V _z	▷ 0.54	0.03	▷ -1.03				0.00	-0.08	0.02	LC 1-5			
Min V _z	▷ -1.20	-0.02	▷ -1.89				0.00	0.97	-0.03	LC 1-4			
Max M _T	▷ -0.77	0.53	▷ -1.54				▷ 0.00	0.56	0.58	LC 1-4			
Min M _T	▷ 0.11	-0.52	▷ -1.38				-0.00	0.34	-0.58	LC 1-5			
Max M _y	▷ -1.18	-0.01	▷ -1.89				0.00	▷ 0.97	-0.02	LC 1-5			
Min M _y	▷ 0.53	0.02	-1.03				0.00	▷ -0.08	0.01	LC 1-4			
Max M _z	▷ -0.54	0.98	-1.47				0.00	0.46	1.07	LC 1-5			
Min M _z	▷ -0.12	-0.98	-1.45				-0.00	0.43	-1.07	LC 1-4			
0.000 Right	Max N	▷ 1.47	0.02				-1.38	0.00	0.36	0.02	LC 1-5		
	Min N	▷ -2.13	-0.02	-1.54	0.00	0.53	-0.02	LC 1-4					
	Max V _y	▷ -0.53	▷ 0.98	-1.46	0.00	0.46	1.07	LC 1-5					
	Min V _y	▷ -0.12	▷ -0.98	-1.46	-0.00	0.44	-1.07	LC 1-4					
	Max V _z	▷ 0.54	0.03	▷ -1.03	0.00	-0.08	0.02	LC 1-5					
	Min V _z	▷ -1.20	-0.02	▷ -1.89	0.00	0.97	-0.03	LC 1-4					
	Max M _T	▷ -0.77	0.53	▷ -1.54	▷ 0.00	0.56	0.58	LC 1-4					
	Min M _T	▷ 0.11	-0.52	▷ -1.38	▷ -0.00	0.34	-0.58	LC 1-5					
	Max M _y	▷ -1.18	-0.01	▷ -1.89	0.00	▷ 0.97	-0.02	LC 1-5					
	Min M _y	▷ 0.53	0.02	-1.03	0.00	▷ -0.08	0.01	LC 1-4					
	Max M _z	▷ -0.54	0.98	-1.47	0.00	0.46	1.07	LC 1-5					
	Min M _z	▷ -0.12	-0.98	-1.45	-0.00	0.43	-1.07	LC 1-4					
	0.899 Left	Max N	▷ 1.49	0.02	-0.05	0.00	-0.29	-0.00	LC 1-5				
Min N		▷ -2.12	-0.02	-0.20	0.00	-0.25	-0.01	LC 1-4					
Max V _y		▷ -0.52	▷ 0.98	-0.13	0.00	-0.26	0.18	LC 1-5					
Min V _y		▷ -0.11	▷ -0.98	-0.12	-0.00	-0.27	-0.19	LC 1-4					
Max V _z		▷ 0.55	0.03	▷ 0.31	0.00	-0.40	-0.00	LC 1-5					
Min V _z		▷ -1.18	-0.02	▷ -0.56	0.00	-0.13	-0.01	LC 1-4					
Max M _T		▷ -0.75	0.53	▷ -0.21	▷ 0.00	-0.23	0.11	LC 1-4					
Min M _T		▷ 0.12	-0.52	▷ -0.04	▷ -0.00	-0.30	-0.11	LC 1-5					
Max M _y		▷ -1.15	0.01	-0.56	0.00	▷ -0.13	0.00	LC 1-5					
Min M _y		▷ 0.52	-0.01	0.31	0.00	▷ -0.40	-0.01	LC 1-4					
Max M _z		▷ -0.53	0.98	-0.14	0.00	▷ -0.26	0.18	LC 1-4					
Min M _z		▷ -0.09	-0.98	-0.11	-0.00	▷ -0.28	-0.19	LC 1-5					
0.899 Right		Max N	▷ 1.49	0.02	-0.05	0.00	-0.29	-0.00	LC 1-5				
	Min N	▷ -2.12	-0.02	-0.20	0.00	-0.25	-0.01	LC 1-4					
	Max V _y	▷ -0.52	▷ 0.98	-0.13	0.00	-0.26	0.18	LC 1-5					
	Min V _y	▷ -0.11	▷ -0.98	-0.12	-0.00	-0.27	-0.19	LC 1-4					
	Max V _z	▷ 0.55	0.03	▷ 0.31	0.00	-0.40	-0.00	LC 1-5					
	Min V _z	▷ -1.18	-0.02	▷ -0.56	0.00	-0.13	-0.01	LC 1-4					
	Max M _T	▷ -0.75	0.53	▷ -0.21	▷ 0.00	-0.23	0.11	LC 1-4					
	Min M _T	▷ 0.12	-0.52	▷ -0.04	▷ -0.00	-0.30	-0.11	LC 1-5					
	Max M _y	▷ -1.15	0.01	-0.56	0.00	▷ -0.13	0.00	LC 1-5					



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases						
					N	V _y	V _z	M _T	M _y	M _z							
267	RC6				Min M _y	0.52	-0.01	0.31	0.00	▷	-0.40	-0.01	LC 1-4				
					Max M _z	-0.53	0.98	-0.14	0.00		-0.26	▷	0.18	LC 1-4			
					Min M _z	-0.09	-0.98	-0.11	-0.00		-0.28	▷	-0.49	LC 1-5			
					Max N	1.50	0.02	0.90	0.00		0.05		-0.02	LC 1-5			
					Min N	-2.10	-0.02	0.74	0.00		-0.03		0.01	LC 1-4			
					Max V _y	-0.51	▷	0.98	0.82	0.00		0.02		-0.55	LC 1-5		
					Min V _y	-0.10	▷	-0.98	0.82	-0.00		0.01		0.54	LC 1-4		
					Max V _z	0.57		0.03	▷	1.25	0.00		0.20		-0.02	LC 1-5	
					Min V _z	-1.17		-0.02	▷	0.39	0.00		-0.18		0.01	LC 1-4	
					Max M _T	-0.74		0.53		0.74	▷	0.00		-0.02		-0.29	LC 1-4
					Min M _T	0.14		-0.52		0.90	▷	-0.00		0.04		0.28	LC 1-5
					Max M _y	0.58		0.05		1.25	▷	0.00		0.20		-0.03	LC 1-5
					Min M _y	-1.19		-0.05		0.39	▷	0.00		-0.18	▷	0.02	LC 1-4
					Max M _z	-0.10		-0.98		0.82		-0.00		0.01	▷	0.54	LC 1-4
					Min M _z	-0.50		0.98		0.82		0.00		0.02	▷	-0.55	LC 1-5
					Max N	1.50	▷	0.02		0.90		0.00		0.05		-0.02	LC 1-5
					Min N	-2.10	▷	-0.02		0.74		0.00		-0.03		0.01	LC 1-4
					Max V _y	-0.51	▷	0.98		0.82		0.00		0.02		-0.55	LC 1-5
					Min V _y	-0.10	▷	-0.98		0.82		-0.00		0.01		0.54	LC 1-4
					Max V _z	0.57		0.03	▷	1.25		0.00		0.20		-0.02	LC 1-5
					Min V _z	-1.17		-0.02	▷	0.39		0.00		-0.18		0.01	LC 1-4
					Max M _T	-0.74		0.53		0.74	▷	0.00		-0.02		-0.29	LC 1-4
					Min M _T	0.14		-0.52		0.90	▷	-0.00		0.04		0.28	LC 1-5
					Max M _y	0.58		0.05		1.25	▷	0.00		0.20		-0.03	LC 1-5
					Min M _y	-1.19		-0.05		0.39	▷	0.00		-0.18	▷	0.02	LC 1-4
					Max M _z	-0.10		-0.98		0.82		-0.00		0.01	▷	0.54	LC 1-4
					Min M _z	-0.50		0.98		0.82		0.00		0.02	▷	-0.55	LC 1-5
					Max N	1.51		0.02		1.17		0.00		0.59		-0.03	LC 1-5
					Min N	-2.09	▷	-0.02		1.01		0.00		0.44		0.01	LC 1-4
					Max V _y	-0.50	▷	0.98		1.09		0.00		0.52		-1.05	LC 1-5
					Min V _y	-0.09	▷	-0.98		1.10		-0.00		0.51		1.03	LC 1-4
					Max V _z	0.57		0.03	▷	1.53		0.00		0.92		-0.03	LC 1-5
					Min V _z	-1.16		-0.02	▷	0.66		0.00		0.11		0.02	LC 1-4
					Max M _T	-0.73		0.53		1.01	▷	0.00		0.45		-0.55	LC 1-4
					Min M _T	0.15		-0.52		1.17	▷	-0.00		0.58		0.54	LC 1-5
					Max M _y	0.58		0.04		1.53		0.00	▷	0.93		-0.05	LC 1-5
					Min M _y	-1.17		-0.03		0.66		0.00	▷	0.11		0.03	LC 1-4
					Max M _z	-0.09		-0.98		1.09		-0.00		0.51	▷	1.03	LC 1-4
					Min M _z	-0.50		0.98		1.09		0.00		0.52	▷	-1.05	LC 1-5
					Max N	1.51	▷	0.02		1.17		0.00		0.59		-0.03	LC 1-5
					Min N	-2.09	▷	-0.02		1.01		0.00		0.44		0.01	LC 1-4
					Max V _y	-0.50	▷	0.98		1.09		0.00		0.52		-1.05	LC 1-5
					Min V _y	-0.09	▷	-0.98		1.10		-0.00		0.51		1.03	LC 1-4
					Max V _z	0.57		0.03	▷	1.53		0.00		0.92		-0.03	LC 1-5
					Min V _z	-1.16		-0.02	▷	0.66		0.00		0.11		0.02	LC 1-4
					Max M _T	-0.73		0.53		1.01	▷	0.00		0.45		-0.55	LC 1-4
					Min M _T	0.15		-0.52		1.17	▷	-0.00		0.58		0.54	LC 1-5
					Max M _y	0.58		0.04		1.53		0.00	▷	0.93		-0.05	LC 1-5
					Min M _y	-1.17		-0.03		0.66		0.00	▷	0.11		0.03	LC 1-4
					Max M _z	-0.09		-0.98		1.09		-0.00		0.51	▷	1.03	LC 1-4
					Min M _z	-0.50		0.98		1.09		0.00		0.52	▷	-1.05	LC 1-5
Max N	1.51		0.02		1.17		0.00		0.59		-0.03	LC 1-5					
Min N	-2.09		-0.02		1.01		0.00		0.44		0.01	LC 1-4					
Max V _y	-0.50		0.98		1.09		0.00		0.52		-1.05	LC 1-5					
Min V _y	-0.09		-0.98		1.10		-0.00		0.51		1.03	LC 1-4					
Max V _z	0.57		0.03	▷	1.53		0.00		0.92		-0.03	LC 1-5					
Min V _z	-1.16		-0.02	▷	0.66		0.00		0.11		0.02	LC 1-4					
Max M _T	-0.73		0.53		1.01	▷	0.00		0.45		-0.55	LC 1-4					
Min M _T	0.15		-0.52		1.17	▷	-0.00		0.58		0.54	LC 1-5					
Max M _y	0.58		0.04		1.53		0.00	▷	0.93		-0.05	LC 1-5					
Min M _y	-1.17		-0.03		0.66		0.00	▷	0.11		0.03	LC 1-4					
Max M _z	-0.09		-0.98		1.09		-0.00		0.51	▷	1.03	LC 1-4					
Min M _z	-0.50		0.98		1.09		0.00		0.52	▷	-1.05	LC 1-5					
Max N	1.67		-0.00		-0.55		0.00		0.03		0.00	CO 12					
Min N	0.56		-0.00		-2.50		-0.00		0.68		0.00	CO 1					
Max V _y	1.64		-0.00		-0.55		0.00		0.03		0.00	CO 9					
Min V _y	0.59		-0.00		-2.50		-0.00		0.68		0.00	CO 8					
Max V _z	1.65		-0.00	▷	-0.55		0.00		0.03		0.00	CO 10					
Min V _z	0.58		-0.00	▷	-2.50		-0.00		0.68		0.00	CO 7					
Max M _T	1.64		-0.00	▷	-0.55		0.00		0.03		0.00	CO 9					
Min M _T	0.58		-0.00	▷	-2.50		-0.00		0.68		0.00	CO 7					
Max M _y	0.58		-0.00		-2.50		-0.00	▷	0.68		0.00	CO 7					
Min M _y	1.65		-0.00		-0.55		0.00	▷	0.03		0.00	CO 10					
Max M _z	0.58		-0.00		-2.50		-0.00		0.68	▷	0.00	CO 7					
Min M _z	1.65		-0.00		-0.55		0.00		0.03	▷	0.00	CO 10					
Max N	1.67		-0.00		-0.55		0.00		0.03		0.00	CO 12					
Min N	0.56	▷	-0.00		-2.50		-0.00		0.68		0.00	CO 1					
Max V _y	1.64	▷	-0.00		-0.55		0.00		0.03		0.00	CO 9					
Min V _y	0.59	▷	-0.00		-2.50		-0.00		0.68		0.00	CO 8					
Max V _z	1.65		-0.00	▷	-0.55		0.00		0.03		0.00	CO 10					
Min V _z	0.58		-0.00	▷	-2.50		-0.00		0.68		0.00	CO 7					
Max M _T	1.64		-0.00	▷	-0.55		0.00		0.03		0.00	CO 9					
Min M _T	0.58		-0.00	▷	-2.50		-0.00		0.68		0.00	CO 7					
Max M _y	0.58		-0.00		-2.50		-0.00	▷	0.68		0.00	CO 7					
Min M _y	1.65		-0.00		-0.55		0.00	▷	0.03		0.00	CO 10					
Max M _z	0.58		-0.00		-2.50		-0.00		0.68	▷	0.00	CO 7					
Min M _z	1.65		-0.00		-0.55		0.00		0.03	▷	0.00	CO 10					
Max N	2.00		-0.00		0.08		0.00		-0.18		0.00	CO 12					
Min N	0.90		-0.00		-0.15		-0.00		-0.49		0.01	CO 1					
Max V _y	1.98		-0.00		0.08		0.00		-0.18		0.00	CO 9					
Min V _y	0.93	▷	-0.00		-0.15		-0.00		-0.49		0.01	CO 8					
Max V _z	1.99		-0.00	▷	0.08		0.00		-0.18		0.00	CO 10					
Min V _z	0.92		-0.00	▷	-0.15		-0.00		-0.49		0.01	CO 7					
Max M _T	1.98		-0.00		0.08	▷	0.00		-0.18		0.00	CO 9					
Min M _T	0.92		-0.00	▷	-0.15	▷	-0.00		-0.49		0.01	CO 7					
Max M _y	1.98		-0.00		0.08		0.00	▷	-0.18		0.00	CO 9					
Min M _y	0.91		-0.00		-0.15		-0.00	▷	-0.49		0.01	CO 2					
Max M _z	0.93		-0.00		-0.15		-0.00		-0.49	▷	0.01	CO 8					
Min M _z	1.98		-0.00		0.08		0.00		-0.18	▷	0.00	CO 9					
Max N	2.00	▷	-0.00		0.08		0.00		-0.18		0.00	CO 12					
Min N	0.90	▷	-0.00		-0.15		-0.00		-0.49		0.01	CO 1					
Max V _y	1.98		-0.00	▷	0.08		0.00		-0.18		0.00	CO 9					
Min V _y	0.93	▷	-0.00		-0.15		-0.00		-0.49		0.01	CO 8					
Max V _z	1.99		-0.00	▷	0.08		0.00		-0.18		0.00	CO 10					

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases	
					N	V _y	V _z	M _T	M _y	M _z		
268	RC1		1.604 Left	Min V _z	0.92	-0.00	▷	-0.15	-0.00	-0.49	0.01	CO 7
				Max M _T	1.98	-0.00		0.08	0.00	-0.18	0.00	CO 9
				Min M _T	0.92	-0.00	▷	-0.15	-0.00	-0.49	0.01	CO 7
				Max M _y	1.98	-0.00		0.08	0.00	-0.18	0.00	CO 9
				Min M _y	0.90	-0.00	▷	-0.15	-0.00	-0.49	0.01	CO 1
				Max M _z	0.93	-0.00	▷	-0.15	-0.00	-0.49	0.01	CO 8
				Min M _z	1.98	-0.00		0.08	0.00	-0.18	0.00	CO 9
				Max N	2.29	-0.00	▷	0.60	0.00	0.07	0.00	CO 12
				Min N	1.19	-0.00	▷	1.58	-0.00	0.06	0.01	CO 1
				Max V _y	2.26	▷	-0.00	0.60	0.00	0.07	0.00	CO 9
				Min V _y	1.21	▷	-0.00	1.58	-0.00	0.06	0.01	CO 8
				Max V _z	1.27	-0.00	▷	1.58	-0.00	0.06	0.01	CO 4
				Min V _z	2.21	-0.00	▷	0.60	0.00	0.07	0.00	CO 13
				Max M _T	2.26	-0.00	▷	0.60	0.00	0.07	0.00	CO 9
				Min M _T	1.21	-0.00	▷	1.58	-0.00	0.06	0.01	CO 7
				Max M _y	2.27	-0.00		0.60	0.00	0.07	0.00	CO 10
				Min M _y	1.21	-0.00	▷	1.58	-0.00	0.06	0.01	CO 7
				Max M _z	1.21	-0.00	▷	1.58	-0.00	0.06	0.01	CO 8
				Min M _z	2.26	-0.00	▷	0.60	0.00	0.07	0.00	CO 9
				Max N	2.29	-0.00	▷	0.60	0.00	0.07	0.00	CO 12
				Min N	1.19	-0.00	▷	1.58	-0.00	0.06	0.01	CO 1
				Max V _y	2.26	▷	-0.00	0.60	0.00	0.07	0.00	CO 9
				Min V _y	1.21	▷	-0.00	1.58	-0.00	0.06	0.01	CO 8
				Max V _z	1.27	-0.00	▷	1.58	-0.00	0.06	0.01	CO 4
				Min V _z	2.21	-0.00	▷	0.60	0.00	0.07	0.00	CO 13
				Max M _T	2.26	-0.00	▷	0.60	0.00	0.07	0.00	CO 9
				Min M _T	1.21	-0.00	▷	1.58	-0.00	0.06	0.01	CO 7
				Max M _y	2.27	-0.00		0.60	0.00	0.07	0.00	CO 10
				Min M _y	1.21	-0.00	▷	1.58	-0.00	0.06	0.01	CO 7
				Max M _z	1.21	-0.00	▷	1.58	-0.00	0.06	0.01	CO 8
				Min M _z	2.26	-0.00	▷	0.60	0.00	0.07	0.00	CO 9
				Max N	2.48	-0.00	▷	0.96	0.00	0.46	0.00	CO 12
				Min N	1.38	-0.00	▷	2.29	-0.00	1.06	0.01	CO 1
				Max V _y	2.46	-0.00	▷	0.96	0.00	0.46	0.00	CO 9
				Min V _y	1.41	-0.00	▷	2.29	-0.00	1.06	0.01	CO 8
				Max V _z	1.46	-0.00	▷	2.29	0.00	1.06	0.01	CO 4
				Min V _z	2.40	-0.00	▷	0.96	0.00	0.46	0.00	CO 13
				Max M _T	2.47	-0.00	▷	0.96	0.00	0.46	0.00	CO 10
				Min M _T	1.40	-0.00	▷	2.29	-0.00	1.06	0.01	CO 7
				Max M _y	1.46	-0.00	▷	2.29	0.00	1.06	0.01	CO 4
				Min M _y	2.40	-0.00	▷	0.96	0.00	0.46	0.00	CO 13
				Max M _z	1.41	-0.00	▷	2.29	-0.00	1.06	0.01	CO 8
				Min M _z	2.46	-0.00	▷	0.96	0.00	0.46	0.00	CO 9
				Max N	2.48	-0.00	▷	0.96	0.00	0.46	0.00	CO 12
				Min N	1.38	-0.00	▷	2.29	-0.00	1.06	0.01	CO 1
				Max V _y	2.46	-0.00	▷	0.96	0.00	0.46	0.00	CO 9
				Min V _y	1.41	-0.00	▷	2.29	-0.00	1.06	0.01	CO 8
				Max V _z	1.46	-0.00	▷	2.29	0.00	1.06	0.01	CO 4
				Min V _z	2.40	-0.00	▷	0.96	0.00	0.46	0.00	CO 13
				Max M _T	2.47	-0.00	▷	0.96	0.00	0.46	0.00	CO 10
				Min M _T	1.40	-0.00	▷	2.29	-0.00	1.06	0.01	CO 7
				Max M _y	1.46	-0.00	▷	2.29	0.00	1.06	0.01	CO 4
				Min M _y	2.40	-0.00	▷	0.96	0.00	0.46	0.00	CO 13
				Max M _z	1.41	-0.00	▷	2.29	-0.00	1.06	0.01	CO 8
				Min M _z	2.46	-0.00	▷	0.96	0.00	0.46	0.00	CO 9
				Max N	1.18	-0.00	▷	-0.37	0.00	0.02	0.00	CO 26
				Min N	0.36	-0.00	▷	-1.82	-0.00	0.50	0.00	CO 15
				Max V _y	1.16	-0.00	▷	-0.37	0.00	0.02	0.00	CO 23
				Min V _y	0.38	-0.00	▷	-1.82	-0.00	0.50	0.00	CO 22
				Max V _z	1.17	-0.00	▷	-0.37	0.00	0.02	0.00	CO 24
				Min V _z	0.37	-0.00	▷	-1.82	-0.00	0.50	0.00	CO 21
				Max M _T	1.16	-0.00	▷	-0.37	0.00	0.02	0.00	CO 23
				Min M _T	0.38	-0.00	▷	-1.82	-0.00	0.50	0.00	CO 22
Max M _y	0.37	-0.00	▷	-1.82	-0.00	0.50	0.00	CO 21				
Min M _y	1.17	-0.00	▷	-0.37	0.00	0.02	0.00	CO 24				
Max M _z	0.37	-0.00	▷	-1.82	-0.00	0.50	0.00	CO 21				
Min M _z	1.17	-0.00	▷	-0.37	0.00	0.02	0.00	CO 24				
Max N	1.41	-0.00	▷	0.05	0.00	-0.12	0.00	CO 26				
Min N	0.59	-0.00	▷	-0.12	-0.00	-0.35	0.00	CO 15				
Max V _y	1.39	-0.00	▷	0.05	0.00	-0.12	0.00	CO 23				
Min V _y	0.61	-0.00	▷	-0.12	-0.00	-0.35	0.00	CO 22				
Max V _z	1.40	-0.00	▷	0.05	0.00	-0.12	0.00	CO 24				
Min V _z	0.60	-0.00	▷	-0.12	-0.00	-0.35	0.00	CO 21				
Max M _T	1.39	-0.00	▷	0.05	0.00	-0.12	0.00	CO 23				
Min M _T	0.60	-0.00	▷	-0.12	-0.00	-0.35	0.00	CO 21				
Max M _y	1.39	-0.00	▷	0.05	0.00	-0.12	0.00	CO 23				
Min M _y	0.61	-0.00	▷	-0.12	-0.00	-0.35	0.00	CO 22				
Max M _z	0.61	-0.00	▷	-0.12	-0.00	-0.35	0.00	CO 22				
Min M _z	1.39	-0.00	▷	0.05	0.00	-0.12	0.00	CO 23				
Max N	1.41	-0.00	▷	0.05	0.00	-0.12	0.00	CO 26				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
268	RC2		Right	Min N	0.59	-0.00	-0.12	-0.00	-0.35	0.00	CO 15
				Max V _y	1.39	-0.00	0.05	0.00	-0.12	0.00	CO 23
				Min V _y	0.61	-0.00	-0.12	-0.00	-0.35	0.00	CO 22
				Max V _z	1.40	-0.00	0.05	0.00	-0.12	0.00	CO 24
				Min V _z	0.60	-0.00	-0.12	-0.00	-0.35	0.00	CO 21
				Max M _T	1.39	-0.00	0.05	0.00	-0.12	0.00	CO 23
				Min M _T	0.60	-0.00	-0.12	-0.00	-0.35	0.00	CO 21
				Max M _y	1.39	-0.00	0.05	0.00	-0.12	0.00	CO 23
				Min M _y	0.61	-0.00	-0.12	-0.00	-0.35	0.00	CO 22
				Max M _z	0.61	-0.00	-0.12	-0.00	-0.35	0.00	CO 22
				Min M _z	1.39	-0.00	0.05	0.00	-0.12	0.00	CO 23
			1.604 Left	Max N	1.60	-0.00	0.40	0.00	0.04	0.00	CO 26
				Min N	0.78	-0.00	1.13	-0.00	0.04	0.01	CO 15
				Max V _y	1.58	-0.00	0.40	0.00	0.04	0.00	CO 23
				Min V _y	0.80	-0.00	1.13	-0.00	0.04	0.01	CO 22
				Max V _z	0.84	-0.00	1.13	-0.00	0.04	0.01	CO 18
				Min V _z	1.54	-0.00	0.40	0.00	0.04	0.00	CO 27
				Max M _T	1.58	-0.00	0.40	0.00	0.04	0.00	CO 23
				Min M _T	0.79	-0.00	1.13	-0.00	0.04	0.01	CO 21
				Max M _y	1.59	-0.00	0.40	0.00	0.05	0.00	CO 24
				Min M _y	0.79	-0.00	1.13	-0.00	0.04	0.01	CO 21
			1.604 Right	Max M _z	0.80	-0.00	1.13	-0.00	0.04	0.01	CO 22
				Min M _z	1.58	-0.00	0.40	0.00	0.04	0.00	CO 23
				Max N	1.60	-0.00	0.40	0.00	0.04	0.00	CO 26
				Min N	0.78	-0.00	1.13	-0.00	0.04	0.01	CO 15
				Max V _y	1.58	-0.00	0.40	0.00	0.04	0.00	CO 23
				Min V _y	0.80	-0.00	1.13	-0.00	0.04	0.01	CO 22
				Max V _z	0.84	-0.00	1.13	-0.00	0.04	0.01	CO 18
				Min V _z	1.54	-0.00	0.40	0.00	0.04	0.00	CO 27
				Max M _T	1.58	-0.00	0.40	0.00	0.04	0.00	CO 23
				Min M _T	0.79	-0.00	1.13	-0.00	0.04	0.01	CO 21
			2.107 Left	Max M _y	1.59	-0.00	0.40	0.00	0.05	0.00	CO 24
				Min M _y	0.79	-0.00	1.13	-0.00	0.04	0.01	CO 21
				Max M _z	0.80	-0.00	1.13	-0.00	0.04	0.01	CO 22
				Min M _z	1.58	-0.00	0.40	0.00	0.04	0.00	CO 23
				Max N	1.73	-0.00	0.64	0.00	0.31	0.00	CO 26
				Min N	0.91	-0.00	1.63	-0.00	0.75	0.01	CO 15
				Max V _y	1.71	-0.00	0.64	0.00	0.31	0.00	CO 23
				Min V _y	0.93	-0.00	1.63	-0.00	0.75	0.01	CO 22
				Max V _z	0.97	-0.00	1.63	-0.00	0.75	0.01	CO 18
				Min V _z	1.67	-0.00	0.64	0.00	0.31	0.00	CO 27
			2.107 Right	Max M _T	1.71	-0.00	0.64	0.00	0.31	0.00	CO 23
				Min M _T	0.92	-0.00	1.63	-0.00	0.75	0.01	CO 21
				Max M _y	0.97	-0.00	1.63	-0.00	0.75	0.01	CO 18
				Min M _y	1.67	-0.00	0.64	0.00	0.31	0.00	CO 27
				Max M _z	0.93	-0.00	1.63	-0.00	0.75	0.01	CO 22
				Min M _z	1.71	-0.00	0.64	0.00	0.31	0.00	CO 23
				Max N	1.73	-0.00	0.64	0.00	0.31	0.00	CO 26
				Min N	0.91	-0.00	1.63	-0.00	0.75	0.01	CO 15
				Max V _y	1.71	-0.00	0.64	0.00	0.31	0.00	CO 23
				Min V _y	0.93	-0.00	1.63	-0.00	0.75	0.01	CO 22
			89	Max V _z	0.97	-0.00	1.63	-0.00	0.75	0.01	CO 18
				Min V _z	1.67	-0.00	0.64	0.00	0.31	0.00	CO 27
				Max M _T	1.71	-0.00	0.64	0.00	0.31	0.00	CO 23
				Min M _T	0.92	-0.00	1.63	-0.00	0.75	0.01	CO 21
				Max M _y	0.97	-0.00	1.63	-0.00	0.75	0.01	CO 18
				Min M _y	1.67	-0.00	0.64	0.00	0.31	0.00	CO 27
				Max M _z	0.93	-0.00	1.63	-0.00	0.75	0.01	CO 22
				Min M _z	1.71	-0.00	0.64	0.00	0.31	0.00	CO 23
			RC6	Max N	3.15	0.21	-1.34	-0.00	0.34	0.23	LC 1-5
				Min N	-2.53	-0.22	-1.61	-0.00	0.66	-0.22	LC 1-4
				Max V _y	0.83	1.00	-1.48	-0.00	0.50	1.07	LC 1-4
				Min V _y	-0.22	-1.01	-1.47	-0.00	0.50	-1.07	LC 1-5
				Max V _z	0.94	0.01	-1.03	-0.00	-0.03	0.01	LC 1-5
				Min V _z	-0.33	-0.01	-1.92	-0.00	1.03	-0.01	LC 1-4
				Max M _T	-0.14	0.38	-1.41	0.00	0.41	0.43	LC 1-4
				Min M _T	0.75	-0.39	-1.54	-0.00	0.59	-0.42	LC 1-5
				Max M _y	-0.32	-0.02	-1.92	-0.00	1.03	-0.02	LC 1-4
				Min M _y	0.94	0.02	-1.03	-0.00	-0.03	0.02	LC 1-5
			0.000 Left	Max M _z	0.98	1.00	-1.48	-0.00	0.50	1.07	LC 1-5
				Min M _z	-0.37	-1.01	-1.47	-0.00	0.50	-1.07	LC 1-4
				Max N	3.15	0.21	-1.34	-0.00	0.34	0.23	LC 1-5
				Min N	-2.53	-0.22	-1.61	-0.00	0.66	-0.22	LC 1-4
				Max V _y	0.83	1.00	-1.48	-0.00	0.50	1.07	LC 1-4
				Min V _y	-0.22	-1.01	-1.47	-0.00	0.50	-1.07	LC 1-5
				Max V _z	0.94	0.01	-1.03	-0.00	-0.03	0.01	LC 1-5
				Min V _z	-0.33	-0.01	-1.92	-0.00	1.03	-0.01	LC 1-4
				Max M _T	-0.14	0.38	-1.41	0.00	0.41	0.43	LC 1-4
				Min M _T	0.75	-0.39	-1.54	-0.00	0.59	-0.42	LC 1-5
			0.000 Right	Max M _y	-0.32	-0.02	-1.92	-0.00	1.03	-0.02	LC 1-4
				Min M _y	0.94	0.02	-1.03	-0.00	-0.03	0.02	LC 1-5
				Max M _z	0.98	1.00	-1.48	-0.00	0.50	1.07	LC 1-5
				Min M _z	-0.37	-1.01	-1.47	-0.00	0.50	-1.07	LC 1-4
				Max N	3.16	0.21	-0.04	-0.00	-0.27	0.04	LC 1-5
				Min N	-2.52	-0.22	-0.31	-0.00	-0.19	-0.03	LC 1-4
				Max V _y	0.85	1.00	-0.18	-0.00	-0.23	0.20	LC 1-4
				Min V _y	-0.20	-1.01	-0.17	-0.00	-0.22	-0.19	LC 1-5
				Max V _z	0.96	0.01	0.27	-0.00	-0.36	0.01	LC 1-5
				Min V _z	-0.31	-0.01	-0.62	-0.00	-0.09	0.00	LC 1-4
			0.877 Left	Max M _T	-0.12	0.38	-0.11	0.00	-0.26	0.09	LC 1-4
				Min M _T	0.77	-0.39	-0.24	-0.00	-0.19	-0.08	LC 1-5
				Max M _y	-0.13	-0.05	-0.62	-0.00	-0.09	-0.01	LC 1-5

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■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases			
					N	V _y	V _z	M _T	M _y	M _z				
268	RC6		0.877 Right	Min M _y	0.78	0.04	0.27	-0.00	▷	-0.36	0.02	LC 1-4		
				Max M _z	0.96	1.00	-0.18	0.00	▷	-0.23	0.20	LC 1-5		
				Min M _z	-0.32	-1.01	-0.17	-0.00	▷	-0.22	-0.19	LC 1-4		
				Max N	3.16	0.21	-0.04	-0.00	▷	-0.27	0.04	LC 1-5		
				Min N	-2.52	-0.22	-0.31	-0.00	▷	-0.19	-0.03	LC 1-4		
				Max V _y	0.85	1.00	-0.18	-0.00	▷	-0.23	0.20	LC 1-4		
				Min V _y	-0.20	-1.01	-0.17	-0.00	▷	-0.22	-0.19	LC 1-5		
				Max V _z	0.96	0.01	▷	0.27	-0.00	▷	-0.36	0.01	LC 1-5	
				Min V _z	-0.31	-0.01	▷	-0.62	-0.00	▷	-0.09	0.00	LC 1-4	
				Max M _T	-0.12	0.38	-0.11	▷	0.00	▷	-0.26	0.09	LC 1-4	
				Min M _T	0.77	-0.39	-0.24	▷	-0.00	▷	-0.19	-0.08	LC 1-5	
				Max M _y	-0.13	-0.05	-0.62	-0.00	▷	-0.09	-0.01	LC 1-5		
				Min M _y	0.78	0.04	0.27	-0.00	▷	-0.36	0.02	LC 1-4		
				Max M _z	0.96	1.00	-0.18	0.00	▷	-0.23	0.20	LC 1-5		
				1.604 Left	Min M _z	-0.32	-1.01	-0.17	-0.00	▷	-0.22	-0.19	LC 1-4	
			Max N		3.17	0.21	0.88	-0.00	▷	0.06	-0.11	LC 1-5		
			Min N		-2.50	-0.22	0.61	-0.00	▷	-0.06	0.12	LC 1-4		
			Max V _y		0.86	1.00	0.74	-0.00	▷	-0.01	-0.53	LC 1-4		
			Min V _y		-0.19	-1.01	0.75	-0.00	▷	0.01	0.55	LC 1-5		
			Max V _z		0.97	0.01	▷	1.20	-0.00	▷	0.19	0.00	LC 1-5	
			Min V _z		-0.30	-0.01	▷	0.30	-0.00	▷	-0.19	0.01	LC 1-4	
			Max M _T		-0.11	0.38	0.81	▷	0.00	▷	0.02	-0.19	LC 1-4	
			Min M _T		0.78	-0.39	0.68	▷	-0.00	▷	-0.02	0.20	LC 1-5	
			Max M _y		0.98	-0.02	1.19	-0.00	▷	0.19	0.02	LC 1-5		
			Min M _y		-0.31	0.01	0.30	-0.00	▷	-0.19	-0.00	LC 1-4		
			Max M _z		-0.20	-1.01	0.76	-0.00	▷	0.01	0.55	LC 1-5		
			1.604 Right	Min M _z	0.87	1.00	0.74	-0.00	▷	-0.01	-0.53	LC 1-4		
				Max N	3.17	0.21	0.88	-0.00	▷	0.06	-0.11	LC 1-5		
				Min N	-2.50	-0.22	0.61	-0.00	▷	-0.06	0.12	LC 1-4		
				Max V _y	0.86	1.00	0.74	-0.00	▷	-0.01	-0.53	LC 1-4		
				Min V _y	-0.19	-1.01	0.75	-0.00	▷	0.01	0.55	LC 1-5		
				Max V _z	0.97	0.01	▷	1.20	-0.00	▷	0.19	0.00	LC 1-5	
				Min V _z	-0.30	-0.01	▷	0.30	-0.00	▷	-0.19	0.01	LC 1-4	
				Max M _T	-0.11	0.38	0.81	▷	0.00	▷	0.02	-0.19	LC 1-4	
				Min M _T	0.78	-0.39	0.68	▷	-0.00	▷	-0.02	0.20	LC 1-5	
				Max M _y	0.98	-0.02	1.19	-0.00	▷	0.19	0.02	LC 1-5		
				Min M _y	-0.31	0.01	0.30	-0.00	▷	-0.19	-0.00	LC 1-4		
				Max M _z	-0.20	-1.01	0.76	-0.00	▷	0.01	0.55	LC 1-5		
			2.107 Left	Min M _z	0.87	1.00	0.74	-0.00	▷	-0.01	-0.53	LC 1-4		
				Max N	3.18	0.21	1.15	-0.00	▷	0.59	-0.22	LC 1-5		
				Min N	-2.49	-0.22	0.89	-0.00	▷	0.34	0.23	LC 1-4		
				Max V _y	0.87	1.00	1.01	-0.00	▷	0.46	-1.04	LC 1-4		
				Min V _y	-0.18	-1.01	1.03	-0.00	▷	0.48	1.05	LC 1-5		
				Max V _z	0.98	0.01	▷	1.47	-0.00	▷	0.88	-0.00	LC 1-5	
				Min V _z	-0.29	-0.01	▷	0.57	-0.00	▷	0.06	0.02	LC 1-4	
				Max M _T	-0.10	0.38	1.08	▷	0.00	▷	0.52	-0.38	LC 1-4	
				Min M _T	0.79	-0.39	0.96	▷	-0.00	▷	0.42	0.40	LC 1-5	
				Max M _y	0.98	-0.01	1.47	-0.00	▷	0.88	0.01	LC 1-5		
				Min M _y	-0.30	-0.00	0.57	-0.00	▷	0.06	0.00	LC 1-4		
				Max M _z	-0.19	-1.01	1.03	-0.00	▷	0.48	1.05	LC 1-5		
			89	2.107 Right	Min M _z	0.88	1.00	1.01	-0.00	▷	0.45	-1.04	LC 1-4	
					Max N	3.18	0.21	1.15	-0.00	▷	0.59	-0.22	LC 1-5	
					Min N	-2.49	-0.22	0.89	-0.00	▷	0.34	0.23	LC 1-4	
					Max V _y	0.87	1.00	1.01	-0.00	▷	0.46	-1.04	LC 1-4	
					Min V _y	-0.18	-1.01	1.03	-0.00	▷	0.48	1.05	LC 1-5	
					Max V _z	0.98	0.01	▷	1.47	-0.00	▷	0.88	-0.00	LC 1-5
					Min V _z	-0.29	-0.01	▷	0.57	-0.00	▷	0.06	0.02	LC 1-4
					Max M _T	-0.10	0.38	1.08	▷	0.00	▷	0.52	-0.38	LC 1-4
					Min M _T	0.79	-0.39	0.96	▷	-0.00	▷	0.42	0.40	LC 1-5
					Max M _y	0.98	-0.01	1.47	-0.00	▷	0.88	0.01	LC 1-5	
					Min M _y	-0.30	-0.00	0.57	-0.00	▷	0.06	0.00	LC 1-4	
					Max M _z	-0.19	-1.01	1.03	-0.00	▷	0.48	1.05	LC 1-5	



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]	Forces [kN]				Moments [kNm]			Corresponding Load Cases			
				N	V _y	V _z	M _T	M _y	M _z					
81	RC2	24	5.035	Min V _z	44.83	-33.65	72.50	13.58	-43.02	-9.70	CO 28			
				Max M _T	48.06	-33.62	82.40	13.59	-49.19	-9.60	CO 26			
				Min M _T	42.06	-33.98	74.69	11.58	-43.41	-9.49	CO 15			
				Max M _y	48.48	-31.45	73.76	11.98	-42.59	-8.82	CO 22			
				Min M _y	41.64	-36.15	83.32	13.19	-50.00	-9.96	CO 23			
				Max M _z	51.71	-31.41	83.66	11.99	-48.74	-8.71	CO 20			
				Min M _z	38.87	-35.55	73.41	13.22	-43.57	-10.01	CO 27			
				Max N	-44.75	97.35	-87.45	19.94	-79.84	-17.40	CO 24			
				Min N	-67.83	125.16	-94.02	30.14	-87.64	-20.65	CO 19			
				Max V _y	-67.83	125.16	-94.02	30.14	-87.64	-20.65	CO 19			
				Min V _y	-44.75	97.35	-87.45	19.94	-79.84	-17.40	CO 24			
				Max V _z	-56.61	105.92	-76.24	23.42	-71.46	-18.37	CO 27			
				Min V _z	-57.65	117.63	-94.97	27.68	-91.06	-19.90	CO 20			
				Max M _T	-67.82	123.65	-83.02	30.18	-82.38	-20.52	CO 21			
				Min M _T	-44.75	97.35	-87.45	19.94	-79.84	-17.40	CO 24			
				Max M _y	-56.61	105.92	-76.24	23.42	-71.46	-18.37	CO 27			
				Min M _y	-57.65	117.63	-94.97	27.68	-91.06	-19.90	CO 20			
				Max M _z	-44.75	97.35	-87.45	19.94	-79.84	-17.40	CO 24			
				Min M _z	-67.83	125.16	-94.02	30.14	-87.64	-20.65	CO 19			
				RC6	36	0.000	Max N	51.94	-28.58	66.61	2.95	-32.65	-7.57	LC 1-5
	Min N	10.87	-4.85				43.79	8.23	-28.25	-1.38	LC 1-4			
	Max V _y	22.12	1.49				74.98	13.02	-53.59	-1.47	LC 1-4			
	Min V _y	40.70	-34.92				35.42	-1.84	-7.31	-7.49	LC 1-5			
	Max V _z	33.89	-9.19				93.54	14.08	-64.40	-4.09	LC 1-5			
	Min V _z	28.93	-24.24				16.86	-2.90	3.50	-4.86	LC 1-4			
	Max M _T	26.28	-4.96				88.09	15.42	-62.68	-3.09	LC 1-5			
	Min M _T	36.54	-28.47				22.31	-4.25	1.78	-5.86	LC 1-4			
	Max M _y	31.22	-25.63				17.45	-3.47	3.90	-5.18	LC 1-4			
	Min M _y	31.60	-7.79				92.94	14.65	-64.80	-3.78	LC 1-5			
	Max M _z	12.08	-2.01				49.65	9.69	-33.67	-1.15	LC 1-4			
	Min M _z	50.74	-31.41				60.75	1.48	-27.23	-7.80	LC 1-5			
	Max N	69.93	114.61				-24.17	21.17	72.99	-19.15	LC 1-4			
	Min N	-156.58	57.82				-105.32	23.23	-189.26	-7.42	LC 1-5			
	Max V _y	-18.79	305.07				-57.93	91.76	-46.49	-37.20	LC 1-5			
	Min V _y	-67.86	-132.64				-71.56	-47.36	-69.78	10.63	LC 1-4			
	Max V _z	69.30	118.20				-23.96	22.41	73.21	-19.51	LC 1-4			
	Min V _z	-155.95	54.23				-105.52	21.98	-189.48	-7.05	LC 1-5			
	Max M _T	-31.40	303.19				-61.99	92.51	-61.28	-36.60	LC 1-5			
	Min M _T	-55.24	-130.77				-67.49	-48.12	-54.99	10.03	LC 1-4			
	Max M _y	68.94	102.47				-24.28	17.16	74.07	-17.89	LC 1-4			
	Min M _y	-155.59	69.96				-105.21	27.23	-190.34	-8.68	LC 1-5			
	Max M _z	-84.57	-129.96				-76.93	-44.72	-89.85	10.91	LC 1-4			
	Min M _z	-2.07	302.39	-52.56	89.12	-26.42	-37.48	LC 1-5						
58	Section No. 12: Rectangle 300/420													
	RC1	50	0.000	Max N	-244.54	34.54	211.76	26.03	-278.67	44.09	CO 9			
				Min N	-295.32	40.96	252.25	30.39	-331.60	52.58	CO 6			
				Max V _y	-294.73	40.98	251.98	30.50	-331.68	52.34	CO 8			
				Min V _y	-244.54	34.54	211.76	26.03	-278.67	44.09	CO 9			
				Max V _z	-295.32	40.96	252.25	30.39	-331.60	52.58	CO 6			
				Min V _z	-244.54	34.54	211.76	26.03	-278.67	44.09	CO 9			
				Max M _T	-294.73	40.98	251.98	30.50	-331.68	52.34	CO 8			
				Min M _T	-244.54	34.54	211.76	26.03	-278.67	44.09	CO 9			
				Max M _y	-244.54	34.54	211.76	26.03	-278.67	44.09	CO 9			
				Min M _y	-294.73	40.98	251.98	30.50	-331.68	52.34	CO 8			
				Max M _z	-295.32	40.96	252.25	30.39	-331.60	52.58	CO 6			
				Min M _z	-244.54	34.54	211.76	26.03	-278.67	44.09	CO 9			
				Max N	-335.67	-2.43	-213.95	3.18	-252.50	1.04	CO 10			
				Min N	-405.88	-4.58	-256.35	4.84	-300.51	1.65	CO 7			
				Max V _y	-348.51	-2.25	-222.35	3.12	-261.64	1.01	CO 12			
				Min V _y	-393.03	-4.76	-247.96	4.89	-291.38	1.68	CO 1			
				Max V _z	-335.67	-2.43	-213.95	3.18	-252.50	1.04	CO 10			
				Min V _z	-405.88	-4.58	-256.35	4.84	-300.51	1.65	CO 7			
				Max M _T	-393.03	-4.76	-247.96	4.89	-291.38	1.68	CO 1			
				Min M _T	-348.51	-2.25	-222.35	3.12	-261.64	1.01	CO 12			
				Max M _y	-335.67	-2.43	-213.95	3.18	-252.50	1.04	CO 10			
				Min M _y	-403.94	-4.31	-255.22	4.70	-300.95	1.58	CO 5			
				Max M _z	-393.03	-4.76	-247.96	4.89	-291.38	1.68	CO 1			
				Min M _z	-348.51	-2.25	-222.35	3.12	-261.64	1.01	CO 12			
				RC2	50	0.000	Max N	-171.88	24.15	148.88	18.20	-195.59	31.07	CO 23
							Min N	-208.85	28.90	178.76	21.42	-234.56	37.32	CO 20
							Max V _y	-208.42	28.92	178.56	21.50	-234.62	37.14	CO 22
							Min V _y	-171.88	24.15	148.88	18.20	-195.59	31.07	CO 23
							Max V _z	-208.85	28.90	178.76	21.42	-234.56	37.32	CO 20
							Min V _z	-171.88	24.15	148.88	18.20	-195.59	31.07	CO 23
							Max M _T	-208.42	28.92	178.56	21.50	-234.62	37.14	CO 22
							Min M _T	-171.88	24.15	148.88	18.20	-195.59	31.07	CO 23
							Max M _y	-171.88	24.15	148.88	18.20	-195.59	31.07	CO 23
							Min M _y	-208.42	28.92	178.56	21.50	-234.62	37.14	CO 22
							Max M _z	-208.85	28.90	178.76	21.42	-234.56	37.32	CO 20
							Min M _z	-171.88	24.15	148.88	18.20	-195.59	31.07	CO 23
		20	7.510	Max N	-235.72	-1.69	-150.18	2.22	-177.18	0.72	CO 24			
				Min N	-287.32	-3.17	-181.48	3.37	-212.55	1.14	CO 21			
				Max V _y	-245.23	-1.56	-156.40	2.17	-183.95	0.70	CO 26			
				Min V _y	-277.80	-3.30	-175.25	3.41	-205.78	1.16	CO 15			
				Max V _z	-235.72	-1.69	-150.18	2.22	-177.18	0.72	CO 24			
				Min V _z	-287.32	-3.17	-181.48	3.37	-212.55	1.14	CO 21			
				Max M _T	-277.80	-3.30	-175.25	3.41	-205.78	1.16	CO 15			
				Min M _T	-245.23	-1.56	-156.40	2.17	-183.95	0.70	CO 26			
				Max M _y	-235.72	-1.69	-150.18	2.22	-177.18	0.72	CO 24			
				Min M _y	-285.88	-2.97	-180.64	3.27	-212.88	1.09	CO 19			
				Max M _z	-277.80	-3.30	-175.25	3.41	-205.78	1.16	CO 15			
Min M _z				-245.23	-1.56	-156.40	2.17	-183.95	0.70	CO 26				



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
58	RC6	50	0.000	Max N	17.21	8.41	77.55	9.43	-85.10	12.15	LC 1-4
				Min N	-282.02	27.52	155.21	16.71	-214.36	37.47	LC 1-5
				Max V _y	-278.21	27.86	154.41	16.32	-212.49	37.36	LC 1-5
				Min V _y	13.40	8.07	78.35	9.82	-86.97	12.26	LC 1-4
				Max V _z	-282.02	27.50	155.21	16.72	-214.37	37.47	LC 1-5
				Min V _z	17.20	8.43	77.55	9.42	-85.09	12.16	LC 1-4
				Max M _T	-259.40	24.19	150.70	17.60	-207.98	35.10	LC 1-5
				Min M _T	-5.41	11.74	82.06	8.55	-91.48	14.52	LC 1-4
				Max M _y	16.93	8.63	77.59	9.32	-85.02	12.23	LC 1-4
				Min M _y	-281.75	27.30	155.17	16.82	-214.45	37.39	LC 1-5
				Max M _z	-281.51	27.71	155.10	16.57	-214.01	37.52	LC 1-5
				Min M _z	16.70	8.22	77.66	9.57	-85.45	12.11	LC 1-4
	20	7.510	7.510	Max N	-73.08	-1.03	-76.49	0.87	-80.32	-0.51	LC 1-4
				Min N	-294.92	-1.33	-155.56	2.34	-191.95	1.37	LC 1-5
				Max V _y	-171.24	14.63	-106.78	-11.16	-124.57	-9.55	LC 1-4
				Min V _y	-196.76	-16.99	-125.27	14.37	-147.71	10.41	LC 1-5
				Max V _z	-73.11	-1.20	-76.49	1.02	-80.33	-0.39	LC 1-4
				Min V _z	-294.89	-1.16	-155.56	2.20	-191.94	1.25	LC 1-5
				Max M _T	-199.51	-16.68	-126.10	14.63	-148.96	10.71	LC 1-5
				Min M _T	-168.49	14.32	-105.95	-11.42	-123.31	-9.85	LC 1-4
				Max M _y	-73.09	-0.96	-76.49	0.81	-80.32	-0.56	LC 1-4
				Min M _y	-294.91	-1.41	-155.56	2.41	-191.96	1.42	LC 1-5
				Max M _z	-201.74	-16.51	-126.78	14.61	-149.98	10.72	LC 1-5
				Min M _z	-166.26	14.15	-105.27	-11.40	-122.30	-9.87	LC 1-4
76	RC1	51	0.000	Max N	-123.65	-0.56	220.30	2.00	-293.43	-65.08	CO 9
				Min N	-173.17	-13.22	262.05	2.87	-350.07	-73.91	CO 8
				Max V _y	-140.29	1.50	223.11	2.81	-301.69	-62.91	CO 10
				Min V _y	-156.53	-15.27	259.23	2.06	-341.82	-76.08	CO 7
				Max V _z	-162.73	-1.29	262.42	3.83	-352.15	-75.02	CO 6
				Min V _z	-123.65	-0.56	220.30	2.00	-293.43	-65.08	CO 9
				Max M _T	-162.73	-1.29	262.42	3.83	-352.15	-75.02	CO 6
				Min M _T	-141.62	-12.84	228.93	1.14	-301.74	-65.76	CO 13
				Max M _y	-123.65	-0.56	220.30	2.00	-293.43	-65.08	CO 9
				Min M _y	-162.73	-1.29	262.42	3.83	-352.15	-75.02	CO 6
				Max M _z	-140.29	1.50	223.11	2.81	-301.69	-62.91	CO 10
				Min M _z	-146.08	-3.35	259.60	3.02	-343.88	-77.19	CO 5
		24	7.510	Max N	-159.51	7.28	-218.26	53.77	-289.63	20.13	CO 10
				Min N	-205.86	10.58	-263.43	59.79	-352.10	19.27	CO 7
				Max V _y	-173.65	18.82	-229.93	55.21	-308.02	17.08	CO 11
				Min V _y	-191.72	-0.96	-251.76	58.39	-333.73	22.32	CO 2
				Max V _z	-159.51	7.28	-218.26	53.77	-289.63	20.13	CO 10
				Min V _z	-205.86	10.58	-263.43	59.79	-352.10	19.27	CO 7
				Max M _T	-201.46	15.08	-263.23	61.26	-352.98	19.64	CO 5
				Min M _T	-171.21	3.58	-227.51	52.39	-299.07	19.55	CO 14
				Max M _y	-159.51	7.28	-218.26	53.77	-289.63	20.13	CO 10
				Min M _y	-201.46	15.08	-263.23	61.26	-352.98	19.64	CO 5
				Max M _z	-187.32	3.54	-251.56	59.85	-334.60	22.69	CO 4
				Min M _z	-178.05	14.32	-230.13	53.75	-307.16	16.71	CO 13
	RC2	51	0.000	Max N	-85.13	0.25	154.70	1.48	-206.09	-45.65	CO 23
				Min N	-120.58	-9.28	185.43	2.06	-247.43	-52.35	CO 22
				Max V _y	-96.21	1.62	156.58	2.01	-211.59	-44.20	CO 24
				Min V _y	-109.50	-10.65	183.55	1.52	-241.94	-53.80	CO 21
				Max V _z	-112.84	-0.44	185.70	2.77	-248.96	-53.17	CO 20
				Min V _z	-85.13	0.25	154.70	1.48	-206.09	-45.65	CO 23
				Max M _T	-112.84	-0.44	185.70	2.77	-248.96	-53.17	CO 20
				Min M _T	-98.44	-8.85	161.10	0.84	-212.25	-46.15	CO 27
				Max M _y	-85.13	0.25	154.70	1.48	-206.09	-45.65	CO 23
				Min M _y	-112.84	-0.44	185.70	2.77	-248.96	-53.17	CO 20
				Max M _z	-96.21	1.62	156.58	2.01	-211.59	-44.20	CO 24
				Min M _z	-101.76	-1.81	183.82	2.23	-243.46	-54.61	CO 19
		24	7.510	Max N	-111.15	5.95	-153.31	37.73	-203.42	13.95	CO 24
				Min N	-144.97	7.60	-186.60	42.08	-249.08	13.52	CO 21
				Max V _y	-121.11	13.70	-161.77	38.69	-216.44	11.90	CO 25
				Min V _y	-135.01	-0.15	-178.14	41.14	-236.08	15.57	CO 16
				Max V _z	-111.15	5.95	-153.31	37.73	-203.42	13.95	CO 24
				Min V _z	-144.97	7.60	-186.60	42.08	-249.08	13.52	CO 21
				Max M _T	-141.71	10.93	-186.45	43.16	-249.73	13.80	CO 19
				Min M _T	-119.82	3.21	-160.17	36.70	-210.41	13.52	CO 28
				Max M _y	-111.15	5.95	-153.31	37.73	-203.42	13.95	CO 24
				Min M _y	-141.71	10.93	-186.45	43.16	-249.73	13.80	CO 19
				Max M _z	-131.75	3.18	-177.99	42.22	-236.72	15.85	CO 18
				Min M _z	-124.37	10.37	-161.92	37.61	-215.80	11.63	CO 27
	RC6	51	0.000	Max N	265.98	-43.91	49.17	-2.24	6.69	-80.06	LC 1-4
				Min N	-370.94	50.21	188.49	7.19	-321.54	9.77	LC 1-5
				Max V _y	-341.08	53.57	163.38	10.65	-289.85	13.57	LC 1-4
				Min V _y	236.12	-47.26	74.28	-5.70	-25.00	-83.86	LC 1-5
				Max V _z	-369.29	50.08	188.80	7.32	-322.63	9.80	LC 1-5
				Min V _z	264.33	-43.78	48.86	-2.37	7.78	-80.10	LC 1-4
				Max M _T	-17.99	9.83	123.73	24.92	-183.64	-54.71	LC 1-5
				Min M _T	-86.97	-3.53	113.93	-19.97	-131.22	-15.58	LC 1-4
				Max M _y	260.87	-44.32	49.33	-4.09	8.72	-78.87	LC 1-4
				Min M _y	-365.83	50.63	188.32	9.04	-323.57	8.57	LC 1-5
				Max M _z	-351.55	51.26	165.58	6.12	-290.06	17.15	LC 1-4
				Min M _z	246.59	-44.96	72.08	-1.16	-24.80	-87.45	LC 1-5
		24	7.510	Max N	160.57	-14.65	-50.89	21.79	-0.72	16.19	LC 1-4
				Min N	-329.68	32.55	-190.82	30.47	-319.52	0.04	LC 1-5
				Max V _y	-256.17	41.70	-181.31	39.76	-306.89	-2.62	LC 1-5
				Min V _y	87.06	-23.81	-60.40	12.49	-13.35	18.85	LC 1-4
				Max V _z	157.66	-16.54	-50.31	20.51	2.17	16.85	LC 1-4
				Min V _z	-326.77	34.44	-191.40	31.75	-322.42	-0.62	LC 1-5
				Max M _T	-21.31	30.85	-129.91	46.34	-189.34	1.84	LC 1-5
				Min M _T	-147.80	-12.96	-111.80	5.92	-130.90	14.39	LC 1-4



■ 4.12 CROSS-SECTIONS - INTERNAL FORCES

Result Combinations

Member No.	RC	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Corresponding Load Cases
					N	V _y	V _z	M _T	M _y	M _z	
76	RC6			Max M _y	151.59	-18.06	-50.64	19.24	2.84	17.36	LC 1-4
				Min M _y	-320.71	35.95	-191.07	33.01	-323.08	-1.13	LC 1-5
78	RC1	49	0.000	Max M _z	69.20	-22.86	-82.90	18.44	-43.23	21.08	LC 1-5
				Min M _z	-238.31	40.75	-158.81	33.82	-277.01	-4.85	LC 1-4
78	RC1	49	0.000	Max N	-9.72	34.08	115.89	-19.06	-94.42	36.14	CO 9
				Min N	-26.76	47.52	139.09	-20.52	-108.67	39.70	CO 8
				Max V _y	-26.76	47.52	139.09	-20.52	-108.67	39.70	CO 8
				Min V _y	-9.72	34.08	115.89	-19.06	-94.42	36.14	CO 9
				Max V _z	-26.76	47.52	139.09	-20.52	-108.67	39.70	CO 8
				Min V _z	-9.72	34.08	115.89	-19.06	-94.42	36.14	CO 9
				Max M _T	-14.97	34.26	117.26	-18.25	-95.96	34.77	CO 10
				Min M _T	-21.52	47.35	137.73	-21.42	-107.09	41.08	CO 7
				Max M _y	-9.72	34.08	115.89	-19.06	-94.42	36.14	CO 9
				Min M _y	-19.61	42.13	139.09	-20.28	-110.98	39.99	CO 6
				Max M _z	-14.37	41.95	137.73	-21.08	-109.43	41.36	CO 5
				Min M _z	-14.97	34.26	117.26	-18.25	-95.96	34.77	CO 10
		42	4.910	Max N	-51.09	-11.16	-117.60	10.48	-71.50	3.64	CO 14
				Min N	-62.39	-12.55	-135.38	11.58	-86.46	4.27	CO 5
				Max V _y	-51.63	-9.40	-112.97	9.97	-70.32	3.60	CO 10
				Min V _y	-60.33	-13.85	-135.16	11.87	-84.60	4.24	CO 7
				Max V _z	-51.63	-9.40	-112.97	9.97	-70.32	3.60	CO 10
				Min V _z	-62.39	-12.55	-135.38	11.58	-86.46	4.27	CO 5
				Max M _T	-60.33	-13.85	-135.16	11.87	-84.60	4.24	CO 7
				Min M _T	-51.63	-9.40	-112.97	9.97	-70.32	3.60	CO 10
				Max M _y	-51.63	-9.40	-112.97	9.97	-70.32	3.60	CO 10
				Min M _y	-62.39	-12.55	-135.38	11.58	-86.46	4.27	CO 5
				Max M _z	-62.39	-12.55	-135.38	11.58	-86.46	4.27	CO 5
				Min M _z	-51.63	-9.40	-112.97	9.97	-70.32	3.60	CO 10
	RC2	49	0.000	Max N	-6.68	23.40	81.49	-13.36	-66.53	25.33	CO 23
				Min N	-18.91	33.34	98.57	-14.50	-76.97	28.07	CO 22
				Max V _y	-18.91	33.34	98.57	-14.50	-76.97	28.07	CO 22
				Min V _y	-6.68	23.40	81.49	-13.36	-66.53	25.33	CO 23
				Max V _z	-18.91	33.34	98.57	-14.50	-76.97	28.07	CO 22
				Min V _z	-6.68	23.40	81.49	-13.36	-66.53	25.33	CO 23
				Max M _T	-10.17	23.52	82.39	-12.82	-67.55	24.41	CO 24
				Min M _T	-15.42	33.22	97.66	-15.11	-75.91	28.98	CO 21
				Max M _y	-6.68	23.40	81.49	-13.36	-66.53	25.33	CO 23
				Min M _y	-13.62	29.34	98.57	-14.33	-78.68	28.27	CO 20
				Max M _z	-10.13	29.23	97.66	-14.86	-77.65	29.19	CO 19
				Min M _z	-10.17	23.52	82.39	-12.82	-67.55	24.41	CO 24
		42	4.910	Max N	-35.68	-7.91	-82.73	7.37	-50.16	2.57	CO 28
				Min N	-43.87	-8.78	-95.82	8.17	-61.12	3.02	CO 19
				Max V _y	-36.07	-6.60	-79.31	7.00	-49.29	2.55	CO 24
				Min V _y	-42.34	-9.75	-95.65	8.38	-59.74	2.99	CO 21
				Max V _z	-36.07	-6.60	-79.31	7.00	-49.29	2.55	CO 24
				Min V _z	-43.87	-8.78	-95.82	8.17	-61.12	3.02	CO 19
				Max M _T	-42.34	-9.75	-95.65	8.38	-59.74	2.99	CO 21
				Min M _T	-36.07	-6.60	-79.31	7.00	-49.29	2.55	CO 24
				Max M _y	-36.07	-6.60	-79.31	7.00	-49.29	2.55	CO 24
				Min M _y	-43.87	-8.78	-95.82	8.17	-61.12	3.02	CO 19
				Max M _z	-43.87	-8.78	-95.82	8.17	-61.12	3.02	CO 19
				Min M _z	-36.07	-6.60	-79.31	7.00	-49.29	2.55	CO 24
	RC6	49	0.000	Max N	35.53	-11.75	46.65	-31.74	-49.01	34.65	LC 1-4
				Min N	-48.06	42.18	82.00	13.36	-54.01	1.48	LC 1-5
				Max V _y	-36.81	51.71	79.51	17.87	-46.05	1.85	LC 1-5
				Min V _y	24.28	-21.28	49.15	-36.24	-56.97	34.29	LC 1-4
				Max V _z	-39.25	32.52	92.67	1.10	-85.02	3.73	LC 1-5
				Min V _z	26.72	-2.09	35.98	-19.47	-18.00	32.41	LC 1-4
				Max M _T	-38.74	45.76	67.45	20.32	-35.82	-2.53	LC 1-4
				Min M _T	26.21	-15.33	61.20	-38.70	-67.20	38.67	LC 1-5
				Max M _y	11.82	12.79	39.05	-6.39	-10.97	24.27	LC 1-4
				Min M _y	-24.35	17.64	89.60	-11.98	-92.05	11.87	LC 1-5
				Max M _z	30.89	-13.29	58.36	-37.51	-61.24	39.75	LC 1-5
				Min M _z	-43.42	43.72	70.29	19.13	-41.78	-3.61	LC 1-4
		42	4.910	Max N	93.96	-7.94	-28.77	4.55	5.37	1.90	LC 1-4
				Min N	-145.85	-1.48	-94.70	5.44	-83.09	1.87	LC 1-5
				Max V _y	-51.58	51.23	-67.10	-8.18	-49.67	-9.19	LC 1-4
				Min V _y	-0.30	-60.64	-56.38	18.18	-28.05	12.95	LC 1-5
				Max V _z	93.51	-9.99	-28.65	5.05	5.45	2.32	LC 1-4
				Min V _z	-145.39	0.58	-94.83	4.94	-83.18	1.44	LC 1-5
				Max M _T	-4.60	-60.50	-57.31	18.21	-29.46	12.97	LC 1-5
				Min M _T	-47.28	51.08	-66.16	-8.22	-48.26	-9.20	LC 1-4
				Max M _y	93.71	-9.42	-28.66	4.92	5.47	2.21	LC 1-4
				Min M _y	-145.59	0.01	-94.82	5.08	-83.19	1.56	LC 1-5
				Max M _z	-3.78	-60.56	-57.12	18.21	-29.18	12.97	LC 1-5
				Min M _z	-48.10	51.14	-66.35	-8.21	-48.55	-9.21	LC 1-4

1.1 GENERAL DATA

Design according to Standard:	EN 1992-1-1:2004/A1:2014	
ULTIMATE LIMIT STATE		
Result combination for design:	RC1	ULS (STR/GEO) - Permanent / transient - Eq. 6.10 Persistent and Transient
SERVICEABILITY LIMIT STATE		
Load combinations for design:	CO18	LC1 + LC2 + LC3 + LC5 + 0.5*LC6 + 0.6*LC8 Characteristic with direct load, k_t 0.600, β 0.500
Definition of Provided Additional Reinforcement	Automatic arrangement according to the specifications in Table 1.4	
Type of SLS method:	Analytical Method By assuming an identical deformation ratio of the longitudinal reinforcement	
Design of		
Concrete Stress Analysis	☐	
Steel Stress Analysis	☒	
Crack widths	☒	
Deformation Analysis	☒	
Consider creep	☒	
Consider shrinkage	☒	
Tension stiffening:	☒	
Layout of longitudinal reinforcement		
Required longitudinal reinforcement automatically increased for serviceability limit state design:	☒	
DETAILS		
Analysis Method for Reinforcement Envelope	Mixed	
Apply the internal forces without the rib components	☐	
Design Situation Settings for Serviceability Limit State Checks		
Load combination:		
Characteristic with direct load	Checks: k_1*f_{ck} , k_3*f_{yk} , k_4*f_{yk} , w_k , u_l	
Characteristic with imposed deformation	Checks: k_1*f_{ck} , k_4*f_{yk}	
Frequent	Checks: w_k	
Quasi-permanent	Checks: k_2*f_{ck} , w_k , u_l	

1.2 MATERIALS

Material No.	Concrete Strength Class	Material Description	Steel Description	Comment
3	Concrete C25/30		B 500 S (A)	

1.2.1 MATERIAL PARAMETERS

Material No.	Description	Name	Size	Unit
3	Concrete Strength Class: Concrete C25/30			
	Characteristic Cylinder Compressive Strength	f_{ck}	25.00	N/mm ²
	5 % Fractile of Axial Tensile Strength	$f_{ctk,0.05}$	1.80	N/mm ²
	Characteristic for Nonlinear Calculations			
	Mean Secant Modulus of Elasticity	E_{cm}	31000.00	N/mm ²
	Mean Cylinder Compressive Strength	f_{cm}	33.00	N/mm ²
	Mean Axial Tensile Strength	f_{ctm}	2.60	N/mm ²
	Ultimate Strain for Pure Compression	ϵ_{c1}	-2.100	‰
	Ultimate Strain at Failure	ϵ_{cu}	-3.500	‰
	Shear Modulus	G	12916.70	N/mm ²
	Poisson's Ratio	ν	0.200	-
	Characteristic Strains for Parabolic-Rectangular Diagram			
	Ultimate Strain for Pure Compression	ϵ_{c2}	-2.000	‰
	Ultimate Strain at Failure	ϵ_{cu2}	-3.500	‰
	Parabola Exponent	n	2.000	-
	Specific Weight	γ	24.52	kN/m ³
	Reinforcing Steel: B 500 S (A)			
	Modulus of Elasticity	E_s	200000.00	N/mm ²
	Yield Stress Mean Value	f_{ym}	550.00	N/mm ²
	Characteristic Yield Stress	f_{yk}	500.00	N/mm ²
	Tensile Strength Mean Value	f_{tm}	551.25	N/mm ²
	Characteristic Tensile Strength	f_{tk}	525.00	N/mm ²
	Limiting Strain	ϵ_{uk}	25.000	‰

1.3 SURFACES

Surface No.	Matl. No.	Creep coeff. ϕ [-]	Shrinkage ϵ_{cs} [-]	$u_{z,max}$ [mm]	$f_{ct,eff,wk}$ [N/mm ²]	$f_{ct,eff,As,min}$ [N/mm ²]	$w_{k,z}$ (top) [mm]	$w_{k,z}$ (bottom) [mm]	Effects due to Restraint		Notes
									Apply	k_c [-]	
1	3	2.67717	-0.00049	22.560	2.60	2.60	0.300	0.300	☒	var.	6)
Deformation referred to undeformed system											
2	3	2.67717	-0.00049	20.140	2.60	2.60	0.300	0.300	☒	var.	6)
Deformation referred to undeformed system											
3	3	2.67717	-0.00049	13.980	2.60	2.60	0.300	0.300	☒	var.	6)
Deformation referred to undeformed system											
4	3	2.67717	-0.00049	22.560	2.60	2.60	0.300	0.300	☒	var.	6)
Deformation referred to undeformed system											
5	3	2.75739	-0.00051	22.560	2.60	2.60	0.300	0.300	☒	var.	6)

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■ 1.3 SURFACES

Surface No.	Matl. No.	Creep coeff. φ [-]	Shrinkage ε_{cs} [-]	$U_{z,max}$ [mm]	$f_{ct,eff,wk}$ [N/mm ²]	$f_{ct,eff,As,min}$ [N/mm ²]	$W_{k,+z}$ (top) [mm]	$W_{k,-z}$ (bottom) [mm]	Effects due to Restraint	Notes
									Apply	k_c [-]
7										
	Deformation referred to undeformed system									
	Thickness Type: Constant, Thickness: 400.00 mm									
	3	2.37434	-0.00040	12.440	2.60	2.60	0.300	0.300	☒	var. 6)
	Deformation referred to undeformed system									
21	Thickness Type: Constant, Thickness: 180.00 mm									
	3	2.67717	-0.00049	20.140	2.60	2.60	0.300	0.300	☒	var. 6)
	Deformation referred to undeformed system									
22	Thickness Type: Constant, Thickness: 180.00 mm									
	3	2.67717	-0.00049	14.920	2.60	2.60	0.300	0.300	☒	var. 6)
	Deformation referred to undeformed system									
23	Thickness Type: Constant, Thickness: 150.00 mm									
	3	2.75739	-0.00051	20.140	2.60	2.60	0.300	0.300	☒	var. 6)
	Deformation referred to undeformed system									
24	Thickness Type: Constant, Thickness: 150.00 mm									
	3	2.75739	-0.00051	14.920	2.60	2.60	0.300	0.300	☒	var. 6)
	Deformation referred to undeformed system									
25	Thickness Type: Constant, Thickness: 180.00 mm									
	3	2.67717	-0.00049	21.600	2.60	2.60	0.300	0.300	☒	var. 6)
	Deformation referred to undeformed system									

Notes:

6) Calculation of minimum reinforcement for effects due to restraint

■ 1.4 REINFORCEMENT GROUP NO. 1

Applied to surfaces:	1-5,7,21-25
REINFORCEMENT RATIO	
Minimum secondary reinforcement	20.0 %
Basic minimum reinforcement	0.0 %
Minimum compression reinforcement	0.0 %
Minimum tension reinforcement	0.0 %
Maximum reinforcement percentage	4.0 %
Minimum shear reinforcement percentage	0.0 %
REINFORCEMENT AREA FOR DESIGN OF SLS	
Use provided basic reinforcement and required additional reinforcement acc. to Tables 2.1, 2.2, 2.3	
Concrete cover acc. to Standard	☒
BASIC REINFORCEMENT LAYOUT - TOP (-z)	
Number of directions	2
Cover to rebar centroid	d-1: 30.00, d-2: 40.00 mm
Parameters for definition of the concrete cover	
Settings identical to cover	
Bar diameter	C+z (bottom)
Directions of reinforcement	ds-1: 10.00, ds-2: 10.00 mm
Reinforcement area	Phi-1: 0.000°, Phi-2: 90.000°
	As-1,-z (top): 0.00, As-2,-z (top): 0.00 cm ² /m
BASIC REINFORCEMENT LAYOUT - BOTTOM (+z)	
Number of directions	2
Cover to rebar centroid	d-1: 30.00, d-2: 40.00 mm
Parameters for definition of the concrete cover	
Exposure Class acc. to 4.4.1.2(5)	XC1
Abrasion Class acc. to 4.4.1.2(13)	No
Design working life acc. to 4.4.1.2(5) Table 4.3N	50 Years
Concrete Cast acc. to 4.4.1.3(4)	cast-in-place concrete
Air entrainment of more than 4% acc. to 4.4.1.2(5) Note 2.	☐
Special quality control of the concrete production acc. to 4.4.1.2(5) Table 4.3N	☐
Nominal maximum aggregate size greater than 32 mm, acc. to 4.4.1.2(3) Table 4.2	☐
Reinforcement direction	φ_1 φ_2
Maximum diameter of reinforcement	0.010 m 0.010 m
Minimum cover due to bond requirement acc. to 4.4.1.2(3)	0.010 m 0.010 m
Minimum cover due to environmental conditions acc. to 4.4.1.2(5)	0.015 m 0.015 m
Additive safety element acc. to 4.4.1.2(6)	0.000 m 0.000 m
Minimum concrete cover acc. to 4.4.1.2(2)	0.015 m 0.015 m
Allowance for deviation acc. to 4.4.1.3	0.010 m 0.010 m
Nominal cover reinforcement, acc. to 4.4.1.1	0.030 m 0.030 m
Minimum cover of reinforcement	0.030 m 0.040 m
Bar diameter	ds-1: 10.00, ds-2: 10.00 mm
Directions of reinforcement	Phi-1: 0.000°, Phi-2: 90.000°
Reinforcement area	As-1,+z (bottom): 0.00, As-2,+z (bottom): 0.00 cm ² /m
ADDITIONAL REINFORCEMENT LAYOUT - TOP (-z)	
Number of directions	2
Cover to rebar centroid	d-1: 30.00, d-2: 40.00 mm
Parameters for definition of the concrete cover	
Settings identical to cover	
Bar diameter	C+z (bottom)
Directions of reinforcement	ds-1: 10.00, ds-2: 10.00 mm
Reinforcement area	Phi-1: 0.000°, Phi-2: 90.000°
	Use required additional reinforcement acc. to Tables 2.1, 2.2, 2.3
ADDITIONAL REINFORCEMENT LAYOUT - BOTTOM (+z)	
Number of directions	2
Cover to rebar centroid	d-1: 30.00, d-2: 40.00 mm
Parameters for definition of the concrete cover	
Exposure Class acc. to 4.4.1.2(5)	XC1
Abrasion Class acc. to 4.4.1.2(13)	No
Design working life acc. to 4.4.1.2(5) Table 4.3N	50 Years
Concrete Cast acc. to 4.4.1.3(4)	cast-in-place concrete
Air entrainment of more than 4% acc. to 4.4.1.2(5) Note 2.	☐

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1.4 REINFORCEMENT GROUP NO. 1

Special quality control of the concrete production acc. to 4.4.1.2(5) Table 4.3N	☐	
Nominal maximum aggregate size greater than 32 mm, acc. to 4.4.1.2(3) Table 4.2	☐	
Reinforcement direction	Ø1	Ø2
Maximum diameter of reinforcement	0.010 m	0.010 m
Minimum cover due to bond requirement acc. to 4.4.1.2(3)	0.010 m	0.010 m
Minimum cover due to environmental conditions acc. to 4.4.1.2(5)	0.015 m	0.015 m
Additive safety element acc. to 4.4.1.2(6)	0.000 m	0.000 m
Minimum concrete cover acc. to 4.4.1.2(2)	0.015 m	0.015 m
Allowance for deviation acc. to 4.4.1.3	0.010 m	0.010 m
Nominal cover reinforcement, acc. to 4.4.1.1	0.030 m	0.030 m
Minimum cover of reinforcement	0.030 m	0.040 m
Bar diameter	ds-1: 10.00, ds-2: 10.00 mm	
Directions of reinforcement	Phi-1: 0.000°, Phi-2: 90.000°	
Reinforcement area	Use required additional reinforcement acc. to Tables 2.1, 2.2, 2.3	

LONGITUDINAL REINFORCEMENT FOR SHEAR FORCE DESIGN

Apply the greater value resulting from either the required or provided reinforcement (basic and add. reinforcement) per reinforcement direction

OPTIONS FOR EN 1992-1-1:2004/A1:2014

Minimum longitudinal reinforcement for plates acc. to 9.3.1

Direction of minimum reinforcement

Reinforcement direction with the main tensile force from top (-z) and bottom (+z) surfaces together:

Minimum longitudinal reinforcement for walls acc. to 9.6

Minimum shear reinforcement

Neutral axis depth limitation

Variable strut inclination - min

Variable concrete strut inclination - max

Partial safety factor γ_s

Partial safety factor γ_c

Consideration of long-term effects Alpha-cc

Consideration of long-term effects Alpha-ct

☐
☒
☒

21.801 °

45.000 °

PT 1.15, AC 1.00, SLS 1.00

PT 1.50, AC 1.20, SLS 1.00

PT 1.00, AC 1.00, SLS 1.00

SLS 1.00

2.2 REQUIRED REINFORCEMENT BY SURFACE

Surface No.	Point No.	Point Coordinates [m]			Symbol	Required Reinforcement			Basic Reinf.	Additional Reinforcement		Unit	Notes
		X	Y	Z		ULS	SLS	ULS/SLS		Required	Provided		
1	M20	5.890	-7.510	-3.000	$a_{s,1,-z}$ (top)	Not designab le	19.55	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M20	5.890	-7.510	-3.000	$a_{s,2,-z}$ (top)	Not designab le	24.41	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M20	5.890	-7.510	-3.000	$a_{s,1,+z}$ (bottom)	Not designab le	4.88	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M20	5.890	-7.510	-3.000	$a_{s,2,+z}$ (bottom)	Not designab le	6.88	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M50	5.890	0.000	-3.000	a_{sw}	Not designab le	-	Not designab le	-	-	-	cm ² /m ²	13)
2	M20	5.890	-7.510	-3.000	$a_{s,1,-z}$ (top)	Not designab le	19.28	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M20	5.890	-7.510	-3.000	$a_{s,2,-z}$ (top)	Not designab le	24.05	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M20	5.890	-7.510	-3.000	$a_{s,1,+z}$ (bottom)	Not designab le	4.95	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M20	5.890	-7.510	-3.000	$a_{s,2,+z}$ (bottom)	Not designab le	6.89	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M9490	5.890	-7.210	-3.000	a_{sw}	Not designab le	-	Not designab le	-	-	-	cm ² /m ²	13)
3	M1062	10.925	-4.603	-3.000	$a_{s,1,-z}$ (top)	6.91	5.85	6.91	0.00	6.91	6.91	cm ² /m	
	M48	10.925	0.000	-3.000	$a_{s,2,-z}$ (top)	13.66	12.37	13.66	0.00	13.66	13.66	cm ² /m	
	M1397	12.790	-9.860	-3.000	$a_{s,1,+z}$ (bottom)	0.04	6.13	6.13	0.00	6.13	6.13	cm ² /m	
	M1758	11.236	-0.921	-3.000	$a_{s,2,+z}$ (bottom)	0.08	7.27	7.27	0.00	7.27	7.27	cm ² /m	
	M48	10.925	0.000	-3.000	a_{sw}	12.03	-	12.03	-	-	-	cm ² /m ²	9)
4	M24	5.890	-7.510	-6.650	$a_{s,1,-z}$ (top)	Not designab le	21.31	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M24	5.890	-7.510	-6.650	$a_{s,2,-z}$ (top)	Not designab le	19.34	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M24	5.890	-7.510	-6.650	$a_{s,1,+z}$ (bottom)	Not designab le	4.56	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M24	5.890	-7.510	-6.650	$a_{s,2,+z}$ (bottom)	Not designab le	6.65	Not designab le	0.00	Not designab le	Not designab le	cm ² /m	
	M18	5.890	-10.210	-6.650	a_{sw}	Not designab le	-	Not designab le	-	-	-	cm ² /m ²	13)
5	M90	5.890	0.000	-10.300	$a_{s,1,-z}$ (top)	17.08	14.40	17.08	0.00	17.08	17.08	cm ² /m	
	M90	5.890	0.000	-10.300	$a_{s,2,-z}$ (top)	24.93	21.92	24.93	0.00	24.93	24.93	cm ² /m	
	M2586	0.283	-8.951	-10.300	$a_{s,1,+z}$ (bottom)	0.57	5.69	5.69	0.00	5.69	5.69	cm ² /m	
	M108	5.890	-6.583	-10.300	$a_{s,2,+z}$ (bottom)	0.88	6.91	6.91	0.00	6.91	6.91	cm ² /m	
	M90	5.890	0.000	-10.300	a_{sw}	Not designab le	-	Not designab le	-	-	-	cm ² /m ²	13)
7	M3849	8.690	0.456	0.000	$a_{s,1,-z}$ (top)	0.00	12.52	12.52	0.00	12.52	12.52	cm ² /m	
	M3797	8.690	0.761	0.000	$a_{s,2,-z}$ (top)	0.00	14.16	14.16	0.00	14.16	14.16	cm ² /m	
	M3973	8.387	-0.457	0.000	$a_{s,1,+z}$ (bottom)	4.93	12.52	12.52	0.00	12.52	12.52	cm ² /m	

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■ 2.2 REQUIRED REINFORCEMENT BY SURFACE

Surface No.	Point No.	Point Coordinates [m]			Symbol	Required Reinforcement			Basic Reinf.	Additional Reinforcement		Unit	Notes
		X	Y	Z		ULS	SLS	ULS/SLS		Required	Provided		
21	M3733	7.472	1.357	0.000	$a_{s,2,+z}$ (bottom)	0.00	14.16	14.16	0.00	14.16	14.16	cm ² /m	
	M19 - E3842	5.890	-7.510	0.000	a_{sw}	8.00	-	8.00	-	-	-	cm ² /m ²	
	M51	5.890	0.000	-6.650	$a_{s,1,-z}$ (top)	24.11	20.24	24.11	0.00	24.11	24.11	cm ² /m	
	M24	5.890	-7.510	-6.650	$a_{s,2,-z}$ (top)	36.06	28.61	36.06	0.00	36.06	36.06	cm ² /m	
	M55	10.925	3.110	-6.650	$a_{s,1,+z}$ (bottom)	10.33	6.32	10.33	0.00	10.33	10.33	cm ² /m	
	M24	5.890	-7.510	-6.650	$a_{s,2,+z}$ (bottom)	12.94	7.37	12.94	0.00	12.94	12.94	cm ² /m	
22	M24	5.890	-7.510	-6.650	a_{sw}	Not designab le	-	Not designab le	-	-	-	cm ² /m ²	13)
	M45	14.655	0.000	-6.650	$a_{s,1,-z}$ (top)	18.65	17.98	18.65	0.00	18.65	18.65	cm ² /m	
	M45	14.655	0.000	-6.650	$a_{s,2,-z}$ (top)	18.76	20.61	20.61	0.00	20.61	20.61	cm ² /m	
	M45	14.655	0.000	-6.650	$a_{s,1,+z}$ (bottom)	6.83	5.97	6.83	0.00	6.83	6.83	cm ² /m	
	M8219	13.412	-6.354	-6.650	$a_{s,2,+z}$ (bottom)	0.47	7.26	7.26	0.00	7.26	7.26	cm ² /m	
	M45	14.655	0.000	-6.650	a_{sw}	Not designab le	-	Not designab le	-	-	-	cm ² /m ²	13)
23	M76	5.890	-7.510	-10.300	$a_{s,1,-z}$ (top)	16.59	13.81	16.59	0.00	16.59	16.59	cm ² /m	
	M76	5.890	-7.510	-10.300	$a_{s,2,-z}$ (top)	24.14	20.63	24.14	0.00	24.14	24.14	cm ² /m	
	M8365	6.830	-7.199	-10.300	$a_{s,1,+z}$ (bottom)	1.55	5.69	5.69	0.00	5.69	5.69	cm ² /m	
	M8705	10.284	-0.592	-10.300	$a_{s,2,+z}$ (bottom)	0.04	6.91	6.91	0.00	6.91	6.91	cm ² /m	
	M76	5.890	-7.510	-10.300	a_{sw}	Not designab le	-	Not designab le	-	-	-	cm ² /m ²	13)
	M86	14.655	0.000	-10.300	$a_{s,1,-z}$ (top)	9.28	8.01	9.28	0.00	9.28	9.28	cm ² /m	
24	M78	14.655	-7.510	-10.300	$a_{s,2,-z}$ (top)	7.74	6.00	7.74	0.00	7.74	7.74	cm ² /m	
	M8902	14.344	0.000	-10.300	$a_{s,1,+z}$ (bottom)	1.82	5.68	5.68	0.00	5.68	5.68	cm ² /m	
	M9007	14.344	-5.322	-10.300	$a_{s,2,+z}$ (bottom)	0.10	6.91	6.91	0.00	6.91	6.91	cm ² /m	
	M78	14.655	-7.510	-10.300	a_{sw}	8.00	-	8.00	-	-	-	cm ² /m ²	9)
	M33	14.655	-7.510	-6.650	$a_{s,1,-z}$ (top)	20.84	18.29	20.84	0.00	20.84	20.84	cm ² /m	
	M33	14.655	-7.510	-6.650	$a_{s,2,-z}$ (top)	25.35	23.67	25.35	0.00	25.35	25.35	cm ² /m	
25	M33	14.655	-7.510	-6.650	$a_{s,1,+z}$ (bottom)	7.60	5.90	7.60	0.00	7.60	7.60	cm ² /m	
	M33	14.655	-7.510	-6.650	$a_{s,2,+z}$ (bottom)	9.21	6.93	9.21	0.00	9.21	9.21	cm ² /m	
	M33	14.655	-7.510	-6.650	a_{sw}	Not designab le	-	Not designab le	-	-	-	cm ² /m ²	13)
	M33	14.655	-7.510	-6.650	a_{sw}	Not designab le	-	Not designab le	-	-	-	cm ² /m ²	13)
	M33	14.655	-7.510	-6.650	a_{sw}	Not designab le	-	Not designab le	-	-	-	cm ² /m ²	13)
	M33	14.655	-7.510	-6.650	a_{sw}	Not designab le	-	Not designab le	-	-	-	cm ² /m ²	13)

■ NOTES

No.	Description
5)	Allowable compressive stress of concrete in strut direction exceeded
9)	Shear reinforcement is required, but the surface effective height is smaller than the effective height acc. to 9.3.2(1)
13)	Shear resistance cannot be checked (cross-section entirely cracked)

■ 3.2 SERVICEABILITY CHECK BY SURFACE

Surface No.	Point No.	Point Coordinates [m]			Load Case	Type	Design			Ratio	Notes
		X	Y	Z			Exist. Value	Limit Value	Unit		
1	M9621	3.100	-4.981	-3.000	CO18	$U_{z,local}$	14.046	22.560	mm	0.7	
	M7	0.000	-4.220	-3.000	CO18	σ_s	399.09	400.00	N/mm ²	1.0	
	M3168	0.310	-7.955	-3.000	CO18	$a_{s,min}$	5.45	5.45	cm ² /m	1.0	
2	M7	0.000	-4.220	-3.000	CO18	w_k	0.275	0.300	mm	1.0	
	M968	8.259	-3.034	-3.000	CO18	$U_{z,local}$	10.224	20.140	mm	0.6	
	M755	5.890	0.622	-3.000	CO18	σ_s	334.60	400.00	N/mm ²	0.9	
3	M895	6.779	-1.809	-3.000	CO18	$a_{s,min}$	5.33	5.33	cm ² /m	1.0	
	M1182	6.186	-6.911	-3.000	CO18	w_k	0.294	0.300	mm	1.0	
	M1631	12.790	-4.296	-3.000	CO18	$U_{z,local}$	1.456	13.980	mm	0.2	
4	M41	10.925	-4.910	-3.000	CO18	σ_s	321.26	400.00	N/mm ²	0.9	
	M824	10.925	-0.307	-3.000	CO18	$a_{s,min}$	5.49	5.49	cm ² /m	1.0	
	M48	10.925	0.000	-3.000	CO18	w_k	0.260	0.300	mm	0.9	
5	M2156	3.100	-4.981	-6.650	CO18	$U_{z,local}$	20.987	22.560	mm	1.0	
	M2294	2.480	-2.835	-6.650	CO18	σ_s	332.35	400.00	N/mm ²	0.9	
	M1999	4.030	-7.452	-6.650	CO18	$a_{s,min}$	6.07	6.07	cm ² /m	1.0	
7	M2206	0.310	-3.934	-6.650	CO18	w_k	0.297	0.300	mm	1.0	
	M2855	2.872	-5.037	-10.300	CO18	$U_{z,local}$	7.506	22.560	mm	0.4	
	M2724	5.560	-7.201	-10.300	CO18	σ_s	343.89	400.00	N/mm ²	0.9	
21	M2801	4.627	-5.964	-10.300	CO18	$a_{s,min}$	4.76	4.76	cm ² /m	1.0	
	M72	0.000	-9.810	-10.300	CO18	w_k	0.288	0.300	mm	1.0	
	M19 - E3840	5.890	-7.510	0.000	CO18	$U_{z,local}$	-0.003	12.440	mm	0.1	
22	M1	0.250	0.000	0.000	CO18	σ_s	0.00	400.00	N/mm ²	0.0	226)
	M4046	14.975	-0.901	0.000	CO18	$a_{s,min}$	6.58	6.58	cm ² /m	1.0	
	M1	0.250	0.000	0.000	CO18	w_k	0.000	0.300	mm	0.0	226)
23	M7627	8.259	-1.821	-6.650	CO18	$U_{z,local}$	9.195	20.140	mm	0.5	
	M7654	6.186	-2.406	-6.650	CO18	σ_s	329.45	400.00	N/mm ²	0.9	
	M7928	6.779	-7.212	-6.650	CO18	$a_{s,min}$	5.50	5.50	cm ² /m	1.0	
24	M2065	5.890	-6.609	-6.650	CO18	w_k	0.298	0.300	mm	1.0	
	M8085	12.790	-3.069	-6.650	CO18	$U_{z,local}$	2.635	14.920	mm	0.2	
	M7738	10.925	-3.683	-6.650	CO18	σ_s	332.27	400.00	N/mm ²	0.9	
25	M7908	10.925	-6.643	-6.650	CO18	$a_{s,min}$	6.08	6.08	cm ² /m	1.0	
	M45	14.655	0.000	-6.650	CO18	w_k	0.296	0.300	mm	1.0	
	M8696	8.256	-0.853	-10.300	CO18	$U_{z,local}$	5.314	20.140	mm	0.3	
24	M8735	6.227	-0.307	-10.300	CO18	σ_s	341.39	400.00	N/mm ²	0.9	
	M8569	7.963	-3.262	-10.300	CO18	$a_{s,min}$	4.51	4.51	cm ² /m	1.0	
	M8719	6.214	-0.608	-10.300	CO18	w_k	0.255	0.300	mm	0.9	
25	M9088	12.790	-3.342	-10.300	CO18	$U_{z,local}$	1.727	14.920	mm	0.2	
	M88	10.925	0.000	-10.300	CO18	σ_s	330.04	400.00	N/mm ²	0.9	
	M8954	13.723	-6.909	-10.300	CO18	$a_{s,min}$	5.33	5.33	cm ² /m	1.0	
25	M86	14.655	0.000	-10.300	CO18	w_k	0.255	0.300	mm	0.9	
	M9449	10.424	-10.210	-6.650	CO18	$U_{z,local}$	18.793	21.600	mm	0.9	
	M9435	6.192	-10.210	-6.650	CO18	σ_s	397.34	400.00	N/mm ²	1.0	



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■ 3.2 SERVICEABILITY CHECK BY SURFACE

Surface No.	Point No.	Point Coordinates [m]			Load Case	Type	Exist. Value	Design		Unit	Ratio	Notes
		X	Y	Z				Limit Value				
	M9350	6.791	-9.310	-6.650	CO18	a _{s,min}	4.76	4.76		cm ² /m	1.0	
	M9435	6.192	-10.210	-6.650	CO18	w _k	0.279	0.300		mm	1.0	

■ SERVICEABILITY CHECK NOTES

No.	Description
226)	Concrete cracks on neither side.

1.1 GENERAL DATA

Design according to Standard:	EN 1992-1-1:2004/A1:2014
ULTIMATE LIMIT STATES	
Result combinations to design:	RC1 ULS (STR/GEO) - Permanent / transient - Eq. 6.10 Persistent and Transient
	RC6 SEISMOS Persistent and Transient
SERVICEABILITY LIMIT STATES	
Result combinations to design:	RC2 SLS - Characteristic Characteristic with direct load, k-t: 0.600, β: 0.500
Design Situation Settings for Serviceability Limit State Checks	
Load combination:	
Characteristic with direct load	Checks: $k_1 \cdot f_{ck}$, $k_2 \cdot f_{ck}$, $k_3 \cdot f_{yk}$, $k_4 \cdot f_{yk}$, w_k , u_l
Characteristic with imposed deformation	Checks: $k_1 \cdot f_{ck}$, $k_4 \cdot f_{yk}$
Frequent	Checks: w_k
Quasi-permanent	Checks: $k_2 \cdot f_{ck}$, w_k , u_l
Deformation Relative to:	Undeformed system

1.1 SETTINGS - NONLINEAR CALCULATION (STATE II)

Activate nonlinear calculation for ULTIMATE LIMIT state:	☐
Activate nonlinear calculation for SERVICEABILITY LIMIT state:	☐
Activate nonlinear calculation for fire resistance	☐

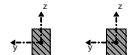
1.2 MATERIALS

Matl. No.	Material Description	Comment
3	Concrete C25/30	
	Reinforcing Steel B 500 S (A)	

1.2.1 MATERIAL PARAMETERS

Matl. No.	Description	Name	Size	Unit
3	Concrete Strength Class: Concrete C25/30			
	Characteristic Cylinder Compressive Strength	f_{ck}	25.000	N/mm ²
	Mean Cylinder Compressive Strength	f_{cm}	33.000	N/mm ²
	Mean Axial Tensile Strength	f_{ctm}	2.600	N/mm ²
	5 % Fractile of Axial Tensile Strength	$f_{ctk,0.05}$	1.800	N/mm ²
	95 % Fractile of Axial Tensile Strength	$f_{ctk,0.95}$	3.300	N/mm ²
	Mean Secant Modulus of Elasticity	E_{cm}	31000.000	N/mm ²
	Characteristic Strains for Nonlinear Calculations			
	Ultimate Strain for Pure Compression	ϵ_{c1}	-2.100	‰
	Ultimate Strain at Failure	ϵ_{cu1}	-3.500	‰
	Characteristic Strains for Parabolic-Rectangular Diagram			
	Ultimate Strain for Pure Compression	ϵ_{c2}	-2.000	‰
	Ultimate Strain at Failure	ϵ_{cu2}	-3.500	‰
	Parabola Exponent	n	2	
	Specific Weight	γ	24.52	kN/m ³
	Reinforcing Steel: B 500 S (A)			
	Modulus of Elasticity	E_s	200000	N/mm ²
	Characteristic Yield Stress	f_{yk}	500	N/mm ²
	Characteristic Tensile Strength	f_{tk}	525	N/mm ²
	Limiting Strain	ϵ_{uk}	25.000	‰

Rectangle 250/370 Rectangle 300/420



1.3 CROSS-SECTIONS

Section No.	Matl. No.	Cross-Section Description	Notes	Comment
8	3	Rectangle 250/370		
11	3	Rectangle 300/570		
12	3	Rectangle 300/420		

Rectangle 300/570



1.3 CREEP / SHRINKAGE

Cross. No.	Material No.	Description	Name	Size	Unit
8	3	Rectangle 250/370			
Counting Form		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
Input Data		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.093	m ²
		Air Exposed Perimeter	u	1.240	m
		Effective component thickness	h_0	0.149	m
		Type of Cement	Cem. Type	N	

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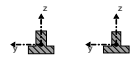
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1.3 CREEP / SHRINKAGE

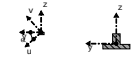
Cross. No.	Material No.	Description	Name	Size	Unit
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Result			
		Defined creep coefficient	$\varphi(t, t_0)$	3.587	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.511	‰
11	3	Rectangle 300/570			
Counting Form					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.171	m ²
		Air Exposed Perimeter	u	1.740	m
		Effective component thickness	h_0	0.197	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Result			
		Defined creep coefficient	$\varphi(t, t_0)$	3.432	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.474	‰
12	3	Rectangle 300/420			
Counting Form					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.126	m ²
		Air Exposed Perimeter	u	1.940	m
		Effective component thickness	h_0	0.130	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Result			
		Defined creep coefficient	$\varphi(t, t_0)$	3.670	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.526	‰

1.4 RIBS

FBU 0.55/0.2/0.20... FBU 0.55/0.213/0...



FBU 0.55/0.325/0... FBU 0.55/0.341/0...



FBU 0.55/0.308/... FBU 0.55/0.393/...



FBU 0.55/0.497/... FBU 0.55/0.528/...



Member- No.	Cross-Section No.		Effective Width				Notes
	Start	End	Surf. No.	b-1 [m]	Surf. No.	b-2 [m]	
20	8	8	4	0.337	25	0.337	
63	8	8	4	0.653			41)
64	8	8	4	0.932			41)
65	8	8	4	0.940			41)
69	8	8	22	0.433			41)
70	8	8	22	0.818			41)
71	8	8	22	0.622			41)
72	8	8	21	0.518			41)
73	8	8	21	0.839			41)
74	8	8	21	0.518			41)
75	8	8	4	0.940			41)
76	12	12	4	0.939	21	0.939	
78	12	12	21	0.614	22	0.614	
79	8	8	21	0.325	22	0.325	
80	8	8	22	0.466	25	0.466	
81	11	11	21	0.629	25	0.629	
238	8	8	25	0.450			

FBU 0.55/0.693/... FBU 0.55/0.714/... FBU 0.55/0.807/... FBU 0.55/0.815/... FBU 0.6/0.464/0.4... FBU 0.6/0.789/0.7... FBU 0.75/0.479/0...



RF-CONCRETE Members
CA1
Design of concrete members

1.4 CREEP / SHRINKAGE

Cross. No.	Material No.	- Description	- Name	- Size	- Unit
20	3	FBU 550/212.5/212.5/180/180/250			
Counting Form					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t _k	27393	Days
		Considered age of concrete (shrinkage)	t _s	27393	Days
		Effective component thickness			



1.4 CREEP / SHRINKAGE

Cross. No.	Material No.	Description	Name	Size	Unit
		Cross-section surface	A _c	0.214	m ²
		Air Exposed Perimeter	u	2.450	m
		Effective component thickness	h ₀	0.175	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t _s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t _T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t ₀	7.000	Days
		Result			
63	3	Defined creep coefficient	φ(t,t ₀)	3.496	
		Defined shrinkage strain	ε(t,t _s)	-0.491	‰
Counting Form FBU 550/0/528.3/0/180/250					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t _k	27393	Days
		Considered age of concrete (shrinkage)	t _s	27393	Days
		Effective component thickness			
		Cross-section surface	A _c	0.233	m ²
		Air Exposed Perimeter	u	2.657	m
		Effective component thickness	h ₀	0.175	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t _s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t _T	7.000	Days
Consider the type of cement		Yes			
Age of concrete at beginning of creep	t ₀	7.000	Days		
Result					
64	3	Defined creep coefficient	φ(t,t ₀)	3.495	
		Defined shrinkage strain	ε(t,t _s)	-0.490	‰
Counting Form FBU 550/0/806.7/0/180/250					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t _k	27393	Days
		Considered age of concrete (shrinkage)	t _s	27393	Days
		Effective component thickness			
		Cross-section surface	A _c	0.283	m ²
		Air Exposed Perimeter	u	3.213	m
		Effective component thickness	h ₀	0.176	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t _s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t _T	7.000	Days
Consider the type of cement		Yes			
Age of concrete at beginning of creep	t ₀	7.000	Days		
Result					
65	3	Defined creep coefficient	φ(t,t ₀)	3.492	
		Defined shrinkage strain	ε(t,t _s)	-0.490	‰
Counting Form FBU 550/0/815/0/180/250					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t _k	27393	Days
		Considered age of concrete (shrinkage)	t _s	27393	Days
		Effective component thickness			
		Cross-section surface	A _c	0.284	m ²
		Air Exposed Perimeter	u	3.230	m
		Effective component thickness	h ₀	0.176	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t _s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t _T	7.000	Days
Consider the type of cement		Yes			
Age of concrete at beginning of creep	t ₀	7.000	Days		
Result					
69	3	Defined creep coefficient	φ(t,t ₀)	3.492	
		Defined shrinkage strain	ε(t,t _s)	-0.490	‰
Counting Form FBU 550/0/308.3/0/180/250					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t _k	27393	Days
		Considered age of concrete (shrinkage)	t _s	27393	Days
		Effective component thickness			
		Cross-section surface	A _c	0.193	m ²
		Air Exposed Perimeter	u	2.217	m
		Effective component thickness	h ₀	0.174	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t _s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	

Date: 2/3/2021

Project:

Model: XWROS POLITISMOY SKLIBANH

1.4 CREEP / SHRINKAGE

Cross. No.	Material No.	Description	Name	Size	Unit
Result		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
70 Counting Form	3	Defined creep coefficient	$\varphi(t, t_0)$	3.498	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.491	‰
		FBU 550/0/693.3/0/180/250			
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.262	m ²
		Air Exposed Perimeter	u	2.987	m
		Effective component thickness	h_0	0.176	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Result		Defined creep coefficient	$\varphi(t, t_0)$
	Defined shrinkage strain		$\varepsilon(t, t_s)$	-0.490	‰
	FBU 550/0/496.7/0/180/250				
71 Counting Form	3	Defined creep coefficient	$\varphi(t, t_0)$	3.493	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.490	‰
		FBU 550/0/496.7/0/180/250			
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.227	m ²
		Air Exposed Perimeter	u	2.593	m
		Effective component thickness	h_0	0.175	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Result		Defined creep coefficient	$\varphi(t, t_0)$
	Defined shrinkage strain		$\varepsilon(t, t_s)$	-0.490	‰
	FBU 550/0/393.3/0/180/250				
72 Counting Form	3	Defined creep coefficient	$\varphi(t, t_0)$	3.495	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.490	‰
		FBU 550/0/393.3/0/180/250			
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.208	m ²
		Air Exposed Perimeter	u	2.387	m
		Effective component thickness	h_0	0.175	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Result		Defined creep coefficient	$\varphi(t, t_0)$
	Defined shrinkage strain		$\varepsilon(t, t_s)$	-0.491	‰
	FBU 550/0/714.2/0/180/250				
73 Counting Form	3	Defined creep coefficient	$\varphi(t, t_0)$	3.497	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.491	‰
		FBU 550/0/714.2/0/180/250			
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.266	m ²
		Air Exposed Perimeter	u	3.028	m
		Effective component thickness	h_0	0.176	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Result		Defined creep coefficient	$\varphi(t, t_0)$
	Defined shrinkage strain		$\varepsilon(t, t_s)$	-0.490	‰
	FBU 550/0/393.3/0/180/250				
74 Counting Form	3	Defined creep coefficient	$\varphi(t, t_0)$	3.493	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.490	‰
		FBU 550/0/393.3/0/180/250			



1.4 CREEP / SHRINKAGE

Cross. No.	Material No.	Description	Name	Size	Unit
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.208	m ²
		Air Exposed Perimeter	u	2.387	m
		Effective component thickness	h_0	0.175	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
	Age of concrete at beginning of creep	t_0	7.000	Days	
Result					
75	3	Defined creep coefficient	$\varphi(t,t_0)$	3.497	
		Defined shrinkage strain	$\varepsilon(t,t_s)$	-0.491	‰
FBU 550/0/815/0/180/250					
Counting Form					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.284	m ²
		Air Exposed Perimeter	u	3.230	m
		Effective component thickness	h_0	0.176	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
	Age of concrete at beginning of creep	t_0	7.000	Days	
Result					
76	3	Defined creep coefficient	$\varphi(t,t_0)$	3.492	
		Defined shrinkage strain	$\varepsilon(t,t_s)$	-0.490	‰
FBU 600/788.7/788.7/180/180/300					
Counting Form					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.464	m ²
		Air Exposed Perimeter	u	4.955	m
		Effective component thickness	h_0	0.187	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
	Age of concrete at beginning of creep	t_0	7.000	Days	
Result					
78	3	Defined creep coefficient	$\varphi(t,t_0)$	3.458	
		Defined shrinkage strain	$\varepsilon(t,t_s)$	-0.481	‰
FBU 600/463.7/463.7/180/180/300					
Counting Form					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.347	m ²
		Air Exposed Perimeter	u	3.655	m
		Effective component thickness	h_0	0.190	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
	Age of concrete at beginning of creep	t_0	7.000	Days	
Result					
79	3	Defined creep coefficient	$\varphi(t,t_0)$	3.450	
		Defined shrinkage strain	$\varepsilon(t,t_s)$	-0.479	‰
FBU 550/200/200/180/180/250					
Counting Form					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.209	m ²
		Air Exposed Perimeter	u	2.400	m

1.4 CREEP / SHRINKAGE

Cross. No.	Material No.	Description	Name	Size	Unit
		Effective component thickness	h_0	0.175	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Result			
80	3	Defined creep coefficient	$\varphi(t, t_0)$	3.497	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.491	‰
		FBU 550/341.3/341.3/180/180/250			
		Counting Form			
		Input Data			
		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.260	m ²
		Air Exposed Perimeter	u	2.965	m
		Effective component thickness	h_0	0.176	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
81	3	Age of concrete at beginning of creep	t_0	7.000	Days
		Result			
		Defined creep coefficient	$\varphi(t, t_0)$	3.493	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.490	‰
		FBU 750/479.4/479.4/180/180/300			
		Counting Form			
		Input Data			
		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.398	m ²
		Air Exposed Perimeter	u	4.017	m
		Effective component thickness	h_0	0.198	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
238	3	Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Result			
		Defined creep coefficient	$\varphi(t, t_0)$	3.428	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.473	‰
		FBU 550/325/0/180/0/250			
		Counting Form			
		Input Data			
		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.196	m ²
		Air Exposed Perimeter	u	2.250	m
		Effective component thickness	h_0	0.174	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Result			
		Defined creep coefficient	$\varphi(t, t_0)$	3.498	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.491	‰

1.5 SUPPORTS

Support No.	Node No.	Support Width b [mm]	Direct Support	Monolithic Connection	End Support	M-redistribution δ [-]	Comment
1	24	500.0	☒	☒	☐	1.00	
2	51	500.0	☒	☒	☐	1.00	

SETTINGS

- ☒ Consideration of limited moment redistribution of the supporting moments
- ☒ Reduction of the moments or dimensioning for the moments at the face of a monolithic support
- ☒ Reduction of the shear forces in the support area according to 6.2.2
- ☒ Reduction of the shear forces with concentrated load acc. to 6.2.2(6) and 6.2.3(8)

■ 1.6 REINFORCEMENT GROUP NO. 1

Applied to members:		20,63-65,69-76,78-81,238	
LONGITUDINAL REINFORCEMENT			
Possible diameters:	20.0 mm		
Max. number of layers:	2		
Min. spacing for first layer:	20.0 mm		
Min. spacing for additional layers:	20.0 mm		
Type of anchorage:	Straight		
Steel surface:	Ribbed		
Reduction of reinforcement:	None		
SHEAR REINFORCEMENT			
Possible diameters:	10.0 mm		
No. of stirrup legs:	2		
Inclination:	90°		
Type of anchorage:	Hook		
Stirrup layout:	Uniform spacing throughout		
REINFORCEMENT LAYOUT			
Concrete cover acc. to Standard	☒		
Concrete cover c-top:	35.0 mm		
Parameters for definition of the concrete cover	C+z (bottom)		
Settings identical to cover	35.0 mm		
Concrete cover c-bottom:	35.0 mm		
Parameters for definition of the concrete cover	XC1		
Exposure Class acc. to 4.4.1.2(5)	No		
Abrasion Class acc. to 4.4.1.2(13)	50 Years		
Design working life acc. to 4.4.1.2(5) Table 4.3N	cast-in-place concrete		
Concrete Cast acc. to 4.4.1.3(4)	Link		
Reinforcement type	Longitudinal		
Maximum diameter of reinforcement	20.0 mm		
Minimum cover due to bond requirement acc. to 4.4.1.2(3)	20.0 mm		
Minimum cover due to environmental conditions acc. to 4.4.1.2(5)	15.0 mm		
Additive safety element acc. to 4.4.1.2(6)	15.0 mm		
Minimum concrete cover acc. to 4.4.1.2(2)	0.0 mm		
Allowance for deviation acc. to 4.4.1.3	0.0 mm		
Nominal cover reinforcement, acc. to 4.4.1.1	15.0 mm		
Minimum cover of reinforcement	10.0 mm		
Air entrainment of more than 4% acc. to 4.4.1.2(5) Note 2.	25.0 mm		
Special quality control of the concrete production acc. to 4.4.1.2(5) Table 4.3N	25.0 mm		
Nominal maximum aggregate size greater than 32 mm, acc. to 4.4.1.2(3) Table 4.2	35.0 mm		
Concrete cover c-side:	35.0 mm		
Parameters for definition of the concrete cover	C+z (bottom)		
Settings identical to cover	-z (top) - +z (bottom) (optimized distribution)		
Reinforcement layout:	☐		
Over complete width of cross-section:	☐		
Torsional reinforcement distributed circumferentially:	☐		
Relevant internal forces:	N, V-y, V-z, M-y, M-z		
MINIMUM REINFORCEMENT			
Min. reinforcement area (min. A-s,top):	0.00 cm ²		
Min. reinforcement area (min. A-s,bottom):	0.00 cm ²		
Min. longitudinal reinforcement acc. to Standard:	☒		
Min. shear reinforcement acc. to Standard:	☒		
Longitudinal reinforcement for shear force design:	Use required longitudinal reinforcement		
SHEAR JOINT			
Shear joint available:	☐		
Design of flange connections on segmented cross-sections	☐		
OPTIONS FOR EN 1992-1-1:2004/A1:2014			
Max. percentage of reinforcement:	8.00 %		
Neutral axis depth limitation	☒		
Partial safety factor Gamma-c	PT 1.50, AC 1.20, SLS 1.00		
Partial safety factor Gamma-s	PT 1.15, AC 1.00, SLS 1.00		
Reduction factor Alpha-cc	PT 1.00, AC 1.00, SLS 1.00		
Reduction factor Alpha-ct	PT 1.00, AC 1.00, SLS 1.00		
Min. inclination of concrete strut	21.80 °		
Max. inclination of concrete strut	45.00 °		
SERVICEABILITY			
Crack Analysis			
Limit values of allowable crack width w _{k,max,-z} (top):	0.3 mm		
Limit values of allowable crack width w _{k,max,+z} (bottom):	0.3 mm		
Design without direct crack width calculation:	☐		
Design with direct crack width calculation:	☒		
Use Eq. (7.14) for s _{r,max} :	☐		
Effective concrete tensile strength at time of cracking:	1.000 * f _{ctm}		
A _{s,min} for effects due to restraint:	☒		
Stress Distribution Within the Section Prior to Cracking:	Depending on the defined load (k _c = 0.0 ... 1.0)		
A _{s,min} Layout:	-z (top) / +z (bottom)		
Crack formation within the first 28 days:	☐		
Stress Analysis			
Limitation of concrete Compressive stress σ _c :	☐		
Limitation of steel stress σ _s :	☒		

■ 1.7 DEFLECTION DATA

No.	Reference to	Element No.	Reference Length		Precamber w ₀ [mm]	Limit value L / [-]	u _{z,max} [mm]	Comment
			Element	L [m]				
1	Member	20	Distance between supports	2.700	0.0	250	10.8	
2	Member	63	Distance between supports	3.920	0.0	250	15.7	
3	Member	64	Distance between supports	5.590	0.0	250	22.4	
4	Member	65	Distance between supports	5.640	0.0	250	22.6	
5	Member	69	Distance between supports	2.600	0.0	250	10.4	
6	Member	70	Distance between supports	4.910	0.0	250	19.6	
7	Member	71	Distance between supports	3.730	0.0	250	14.9	
8	Member	72	Distance between supports	3.110	0.0	250	12.4	



1.7 DEFLECTION DATA

No.	Reference to	Element No.	Reference Length Element	L [m]	Precamber w_0 [mm]	Limit value L / [-]	$u_{z,max}$ [mm]	Comment
9	Member	73	Distance between supports	5.035	0.0	250	20.1	
10	Member	74	Distance between supports	3.110	0.0	250	12.4	
11	Member	75	Distance between supports	5.640	0.0	250	22.6	
12	Member	76	Distance between supports	7.510	0.0	250	30.0	
13	Member	78	Distance between supports	4.910	0.0	250	19.6	
14	Member	79	Distance between supports	2.600	0.0	250	10.4	
15	Member	80	Distance between supports	3.730	0.0	250	14.9	
16	Member	81	Distance between supports	5.035	0.0	250	20.1	
17	Member	238	Distance between supports	2.700	0.0	250	10.8	

2.3 REQUIRED REINFORCEMENT BY MEMBER

Reinforcement	Member No.	Location x [m]	Loading	Reinforcement Area	Unit	Error Message or Note
Member No. 20 - Rib FBU 550/212.5/212.5/180/180/250						
$A_{s,-z}$ (top)	20	2.700	RC6	6.99	cm ²	
$A_{s,+z}$ (bottom)	20	0.000	RC6	6.92	cm ²	
$A_{s,T}$	20	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	20	2.700	RC6	10.60	cm ² /m	58)
$a_{sw,T, stirrup}$	20	0.000	RC6	0.00	cm ² /m	
Member No. 63 - Rib FBU 550/0/528.3/0/180/250						
$A_{s,-z}$ (top)	63	0.302	RC6	5.70	cm ²	28)
$A_{s,+z}$ (bottom)	63	0.000	RC6	5.45	cm ²	
$A_{s,T}$	63	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	63	3.920	RC1	3.09	cm ² /m	58)
$a_{sw,T, stirrup}$	63	0.000	RC6	0.00	cm ² /m	
Member No. 64 - Rib FBU 550/0/806.7/0/180/250						
$A_{s,-z}$ (top)	64	2.795	RC1	9.04	cm ²	6)
$A_{s,+z}$ (bottom)	64	2.795	RC1	8.59	cm ²	
$A_{s,T}$	64	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	64	0.000	RC1	3.38	cm ² /m	58)
$a_{sw,T, stirrup}$	64	0.000	RC6	0.00	cm ² /m	
Member No. 65 - Rib FBU 550/0/815/0/180/250						
$A_{s,-z}$ (top)	65	0.000	RC6	18.09	cm ²	6)
$A_{s,+z}$ (bottom)	65	5.640	RC6	20.99	cm ²	
$A_{s,T}$	65	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	65	0.000	RC1	2.79	cm ² /m	58)
$a_{sw,T, stirrup}$	65	0.000	RC6	0.00	cm ² /m	
Member No. 69 - Rib FBU 550/0/308.3/0/180/250						
$A_{s,-z}$ (top)	69	0.289	RC6	4.54	cm ²	
$A_{s,+z}$ (bottom)	69	0.000	RC6	6.75	cm ²	
$A_{s,T}$	69	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	69	0.000	RC6	2.00	cm ² /m	58) 69)
$a_{sw,T, stirrup}$	69	0.000	RC6	0.00	cm ² /m	
Member No. 70 - Rib FBU 550/0/693.3/0/180/250						
$A_{s,-z}$ (top)	70	4.296	RC6	5.93	cm ²	28)
$A_{s,+z}$ (bottom)	70	4.296	RC6	4.78	cm ²	
$A_{s,T}$	70	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	70	0.000	RC6	2.00	cm ² /m	58) 69)
$a_{sw,T, stirrup}$	70	0.000	RC6	0.00	cm ² /m	
Member No. 71 - Rib FBU 550/0/496.7/0/180/250						
$A_{s,-z}$ (top)	71	0.311	RC6	5.97	cm ²	
$A_{s,+z}$ (bottom)	71	0.000	RC6	7.70	cm ²	
$A_{s,T}$	71	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	71	0.000	RC6	2.06	cm ² /m	58)
$a_{sw,T, stirrup}$	71	0.000	RC6	0.00	cm ² /m	
Member No. 72 - Rib FBU 550/0/393.3/0/180/250						
$A_{s,-z}$ (top)	72	3.110	RC6	4.89	cm ²	26) 28)
$A_{s,+z}$ (bottom)	72	3.110	RC6	4.44	cm ²	
$A_{s,T}$	72	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	72	0.000	RC1	2.58	cm ² /m	58)
$a_{sw,T, stirrup}$	72	0.000	RC6	0.00	cm ² /m	
Member No. 73 - Rib FBU 550/0/714.2/0/180/250						
$A_{s,-z}$ (top)	73	0.592	RC6	6.45	cm ²	6)
$A_{s,+z}$ (bottom)	73	0.000	RC6	6.60	cm ²	
$A_{s,T}$	73	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	73	5.035	RC6	2.15	cm ² /m	58)
$a_{sw,T, stirrup}$	73	0.000	RC6	0.00	cm ² /m	
Member No. 74 - Rib FBU 550/0/393.3/0/180/250						
$A_{s,-z}$ (top)	74	0.000	RC6	4.89	cm ²	28)
$A_{s,+z}$ (bottom)	74	3.110	RC6	6.89	cm ²	
$A_{s,T}$	74	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	74	2.860	RC6	2.33	cm ² /m	58)
$a_{sw,T, stirrup}$	74	0.000	RC6	0.00	cm ² /m	
Member No. 75 - Rib FBU 550/0/815/0/180/250						
$A_{s,-z}$ (top)	75	4.453	RC6	7.68	cm ²	6)
$A_{s,+z}$ (bottom)	75	4.156	RC6	7.16	cm ²	
$A_{s,T}$	75	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	75	5.640	RC1	2.55	cm ² /m	58)
$a_{sw,T, stirrup}$	75	0.000	RC6	0.00	cm ² /m	
Member No. 76 - Rib FBU 600/788.7/788.7/180/180/300						
$A_{s,-z}$ (top)	76	0.000	RC1	19.84	cm ²	28) 30)
$A_{s,+z}$ (bottom)	76	0.000	RC6	13.23	cm ²	25) 29) 30)
$A_{s,T}$	76	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	76	7.210	RC1	6.26	cm ² /m	
$a_{sw,T, stirrup}$	76	0.000	RC6	0.00	cm ² /m	
Member No. 78 - Rib FBU 600/463.7/463.7/180/180/300						
$A_{s,-z}$ (top)	78	0.614	RC6	10.22	cm ²	26) 28)
$A_{s,+z}$ (bottom)	78	2.455	RC1	4.85	cm ²	
$A_{s,T}$	78	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	78	0.307	RC1	3.16	cm ² /m	58)



2.3 REQUIRED REINFORCEMENT BY MEMBER

Reinforcement	Member No.	Location x [m]	Loading	Reinforcement Area	Unit	Error Message or Note
$a_{sw,T, stirrup}$	78	0.000	RC6	0.00	cm ² /m	
Member No. 79 - Rib FBU 550/200/200/180/180/250						
$A_{s,-z} (top)$	79	0.000	RC6	5.48	cm ²	26) 28)
$A_{s,+z} (bottom)$	79	2.600	RC6	2.11	cm ²	27)
$A_{s,T}$	79	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	79	0.000	RC6	2.00	cm ² /m	58) 69)
$a_{sw,T, stirrup}$	79	0.000	RC6	0.00	cm ² /m	
Member No. 80 - Rib FBU 550/341.3/341.3/180/180/250						
$A_{s,-z} (top)$	80	0.622	RC6	8.43	cm ²	26) 28)
$A_{s,+z} (bottom)$	80	0.000	RC6	3.91	cm ²	
$A_{s,T}$	80	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	80	0.000	RC6	7.04	cm ² /m	58)
$a_{sw,T, stirrup}$	80	0.000	RC6	0.00	cm ² /m	
Member No. 81 - Rib FBU 750/479.4/479.4/180/180/300						
$A_{s,-z} (top)$	81	0.296	RC6	11.28	cm ²	26) 28)
$A_{s,+z} (bottom)$	81	3.258	RC6	4.03	cm ²	
$A_{s,T}$	81	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	81	4.785	RC6	5.71	cm ² /m	58)
$a_{sw,T, stirrup}$	81	0.000	RC6	0.00	cm ² /m	
Member No. 238 - Rib FBU 550/325/0/180/0/250						
$A_{s,-z} (top)$	238	0.000	RC6	6.61	cm ²	28)
$A_{s,+z} (bottom)$	238	0.000	RC6	6.61	cm ²	29)
$A_{s,T}$	238	0.000	RC6	0.00	cm ²	
$a_{sw,V, stirrup}$	238	0.000	RC6	7.29	cm ² /m	58)
$a_{sw,T, stirrup}$	238	0.000	RC6	0.00	cm ² /m	

3.1 PROVIDED LONGITUDINAL REINFORCEMENT

Item No.	Reinforcement Position	No. of Bars	d_s [mm]	A_s [cm ²]	Length [m]	x-Location [m] from to	Weight [kg]	Notes
Member No.20 - Rib FBU 550/212.5/212.5/180/180/250								
1	-z (top)	3	20.0	9.42	2.900	0.000 2.900	21.46	
2	+z (bottom)	3	20.0	9.42	3.236	-0.240 2.997	23.94	
Member No.63 - Rib FBU 550/0/528.3/0/180/250								
1	-z (top)	2	20.0	6.28	4.320	-0.200 4.120	21.31	
2	+z (bottom)	2	20.0	6.28	4.751	-0.631 4.120	23.43	
Member No.64 - Rib FBU 550/0/806.7/0/180/250								
1	-z (top)	3	20.0	9.42	5.990	-0.200 5.790	44.32	
2	+z (bottom)	3	20.0	9.42	6.298	-0.200 6.098	46.60	
Member No.65 - Rib FBU 550/0/815/0/180/250								
1	-z (top)	2	20.0	6.28	6.236	-0.300 5.935	30.76	
2	-z (top)	5	20.0	15.71	6.236	-0.300 5.935	76.89	
3	+z (bottom)	2	20.0	6.28	6.963	-0.649 6.314	34.34	
4	+z (bottom)	5	20.0	15.71	7.131	-0.731 6.399	87.92	
Member No.69 - Rib FBU 550/0/308.3/0/180/250								
1	-z (top)	2	20.0	6.28	3.000	-0.200 2.800	14.80	
2	+z (bottom)	3	20.0	9.42	3.431	-0.631 2.800	25.39	
Member No.70 - Rib FBU 550/0/693.3/0/180/250								
1	-z (top)	2	20.0	6.28	5.310	-0.200 5.110	26.19	
2	+z (bottom)	2	20.0	6.28	5.660	-0.200 5.460	27.92	
Member No.71 - Rib FBU 550/0/496.7/0/180/250								
1	-z (top)	2	20.0	6.28	4.130	-0.200 3.930	20.37	
2	+z (bottom)	3	20.0	9.42	5.093	-0.746 4.347	37.68	
Member No.72 - Rib FBU 550/0/393.3/0/180/250								
1	-z (top)	2	20.0	6.28	3.510	-0.200 3.310	17.31	
2	+z (bottom)	2	20.0	6.28	3.806	-0.200 3.606	18.77	
Member No.73 - Rib FBU 550/0/714.2/0/180/250								
1	-z (top)	3	20.0	9.42	5.435	-0.200 5.235	40.21	
2	+z (bottom)	3	20.0	9.42	6.373	-0.672 5.701	47.15	
Member No.74 - Rib FBU 550/0/393.3/0/180/250								
1	-z (top)	2	20.0	6.28	3.310	-0.200 3.110	16.33	
2	+z (bottom)	3	20.0	9.42	3.932	-0.461 3.471	29.09	
Member No.75 - Rib FBU 550/0/815/0/180/250								
1	-z (top)	3	20.0	9.42	5.840	0.000 5.840	43.21	
2	+z (bottom)	3	20.0	9.42	6.564	-0.271 6.293	48.56	
Member No.76 - Rib FBU 600/788.7/788.7/180/180/300								
1	-z (top)	2	20.0	6.28	7.510	0.000 7.510	37.04	
2	-z (top)	6	20.0	18.85	7.510	0.000 7.510	111.12	
3	+z (bottom)	5	20.0	15.71	7.510	0.000 7.510	92.60	
Member No.78 - Rib FBU 600/463.7/463.7/180/180/300								
1	-z (top)	4	20.0	12.57	5.310	-0.200 5.110	52.38	
2	+z (bottom)	2	20.0	6.28	5.310	-0.200 5.110	26.19	
Member No.79 - Rib FBU 550/200/200/180/180/250								
1	-z (top)	2	20.0	6.28	3.000	-0.200 2.800	14.80	
2	+z (bottom)	2	20.0	6.28	3.000	-0.200 2.800	14.80	
Member No.80 - Rib FBU 550/341.3/341.3/180/180/250								
1	-z (top)	3	20.0	9.42	4.130	-0.200 3.930	30.56	
2	+z (bottom)	2	20.0	6.28	4.398	-0.468 3.930	21.69	
Member No.81 - Rib FBU 750/479.4/479.4/180/180/300								
1	-z (top)	4	20.0	12.57	5.235	-0.200 5.035	51.64	
2	+z (bottom)	2	20.0	6.28	5.235	-0.200 5.035	25.82	
Member No.238 - Rib FBU 550/325/0/180/0/250								
1	-z (top)	3	20.0	9.42	3.100	-0.200 2.900	22.94	
2	+z (bottom)	3	20.0	9.42	3.100	-0.200 2.900	22.94	

3.1.1 PROVIDED LONGITUDINAL REINFORCEMENT - ANCHORAGE

Item No.	Anchorage Type	Bond	l_{bd} [m]	l_1 [m]	l_2 [m]	Total [m]	d_{br} [m]
Member No.20 - Rib FBU 550/212.5/212.5/180/180/250							
1 Start	Straight	poor	0.200	0.000	-	0.000	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.490	0.240	-	0.240	-
2 End	Straight	good	0.297	0.297	-	0.297	-

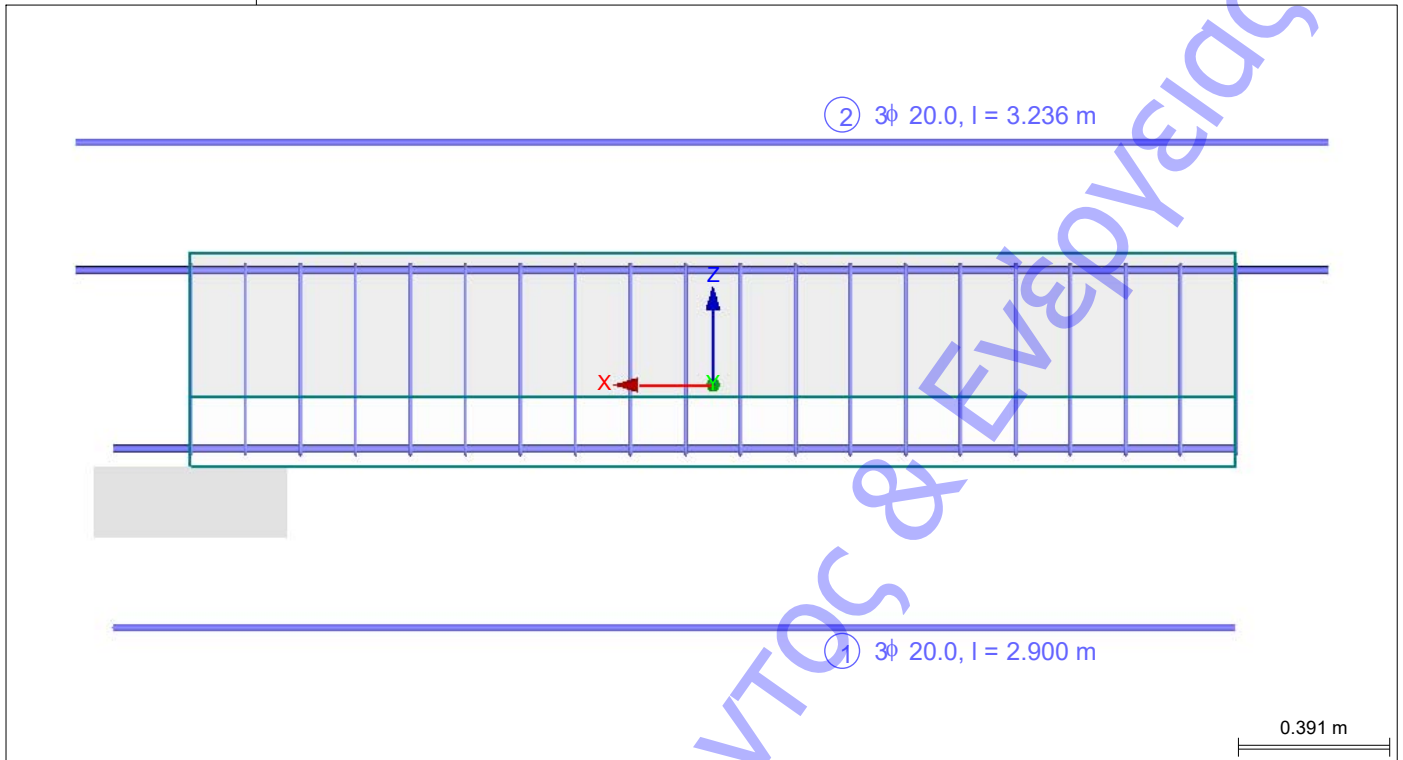


3.1.1 PROVIDED LONGITUDINAL REINFORCEMENT - ANCHORAGE

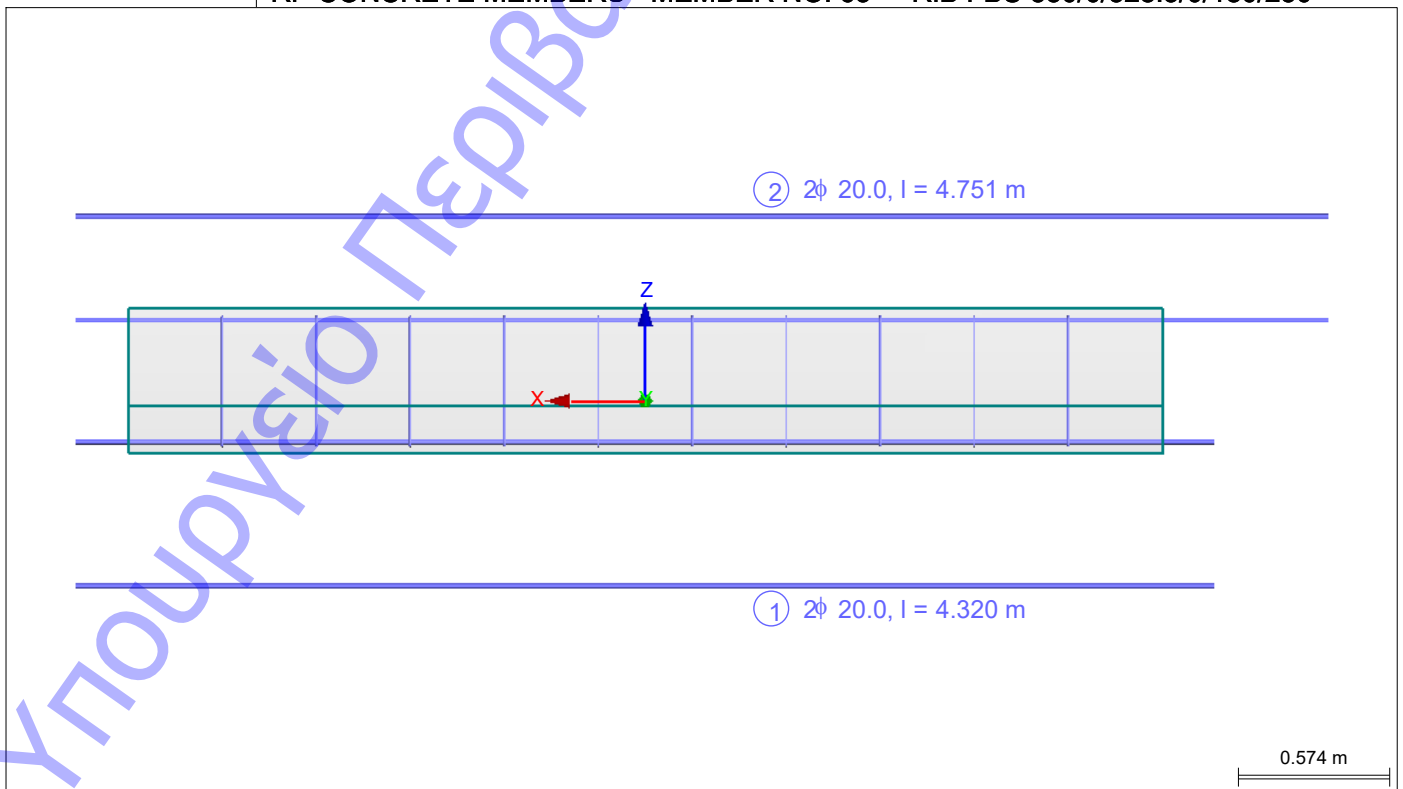
Item No.	Anchorage Type	Bond	l_{bd} [m]	l_1 [m]	l_2 [m]	Total [m]	d_{br} [m]
Member No.63 - Rib FBU 550/0/528.3/0/180/250							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.631	0.631	-	0.631	-
2 End	Straight	good	0.200	0.200	-	0.200	-
Member No.64 - Rib FBU 550/0/806.7/0/180/250							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.200	0.200	-	0.200	-
2 End	Straight	good	0.508	0.508	-	0.508	-
Member No.65 - Rib FBU 550/0/815/0/180/250							
1 Start	Straight	poor	0.300	0.300	-	0.300	-
1 End	Straight	poor	0.295	0.295	-	0.295	-
2 Start	Straight	poor	0.300	0.300	-	0.300	-
2 End	Straight	poor	0.295	0.295	-	0.295	-
3 Start	Straight	good	0.649	0.649	-	0.649	-
3 End	Straight	good	0.674	0.674	-	0.674	-
4 Start	Straight	good	0.731	0.731	-	0.731	-
4 End	Straight	good	0.759	0.759	-	0.759	-
Member No.69 - Rib FBU 550/0/308.3/0/180/250							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.631	0.631	-	0.631	-
2 End	Straight	good	0.200	0.200	-	0.200	-
Member No.70 - Rib FBU 550/0/693.3/0/180/250							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.200	0.200	-	0.200	-
2 End	Straight	good	0.550	0.550	-	0.550	-
Member No.71 - Rib FBU 550/0/496.7/0/180/250							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.746	0.746	-	0.746	-
2 End	Straight	good	0.617	0.617	-	0.617	-
Member No.72 - Rib FBU 550/0/393.3/0/180/250							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.200	0.200	-	0.200	-
2 End	Straight	good	0.496	0.496	-	0.496	-
Member No.73 - Rib FBU 550/0/714.2/0/180/250							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.672	0.672	-	0.672	-
2 End	Straight	good	0.666	0.666	-	0.666	-
Member No.74 - Rib FBU 550/0/393.3/0/180/250							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.000	-	0.000	-
2 Start	Straight	good	0.461	0.461	-	0.461	-
2 End	Straight	good	0.611	0.361	-	0.361	-
Member No.75 - Rib FBU 550/0/815/0/180/250							
1 Start	Straight	poor	0.200	0.000	-	0.000	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.521	0.271	-	0.271	-
2 End	Straight	good	0.653	0.653	-	0.653	-
Member No.76 - Rib FBU 600/788.7/788.7/180/180/300							
1 Start	Straight	poor	0.200	0.000	-	0.000	-
1 End	Straight	poor	0.291	0.000	-	0.000	-
2 Start	Straight	poor	0.200	0.000	-	0.000	-
2 End	Straight	poor	0.291	0.000	-	0.000	-
3 Start	Straight	good	0.200	0.000	-	0.000	-
3 End	Straight	good	0.200	0.000	-	0.000	-
Member No.78 - Rib FBU 600/463.7/463.7/180/180/300							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.200	0.200	-	0.200	-
2 End	Straight	good	0.200	0.200	-	0.200	-
Member No.79 - Rib FBU 550/200/200/180/180/250							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.200	0.200	-	0.200	-
2 End	Straight	good	0.200	0.200	-	0.200	-
Member No.80 - Rib FBU 550/341.3/341.3/180/180/250							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.468	0.468	-	0.468	-
2 End	Straight	good	0.200	0.200	-	0.200	-
Member No.81 - Rib FBU 750/479.4/479.4/180/180/300							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.247	0.000	-	0.000	-
2 Start	Straight	good	0.200	0.200	-	0.200	-
2 End	Straight	good	0.240	0.000	-	0.000	-
Member No.238 - Rib FBU 550/325/0/180/0/250							
1 Start	Straight	poor	0.200	0.200	-	0.200	-
1 End	Straight	poor	0.200	0.200	-	0.200	-
2 Start	Straight	good	0.200	0.200	-	0.200	-
2 End	Straight	good	0.200	0.200	-	0.200	-



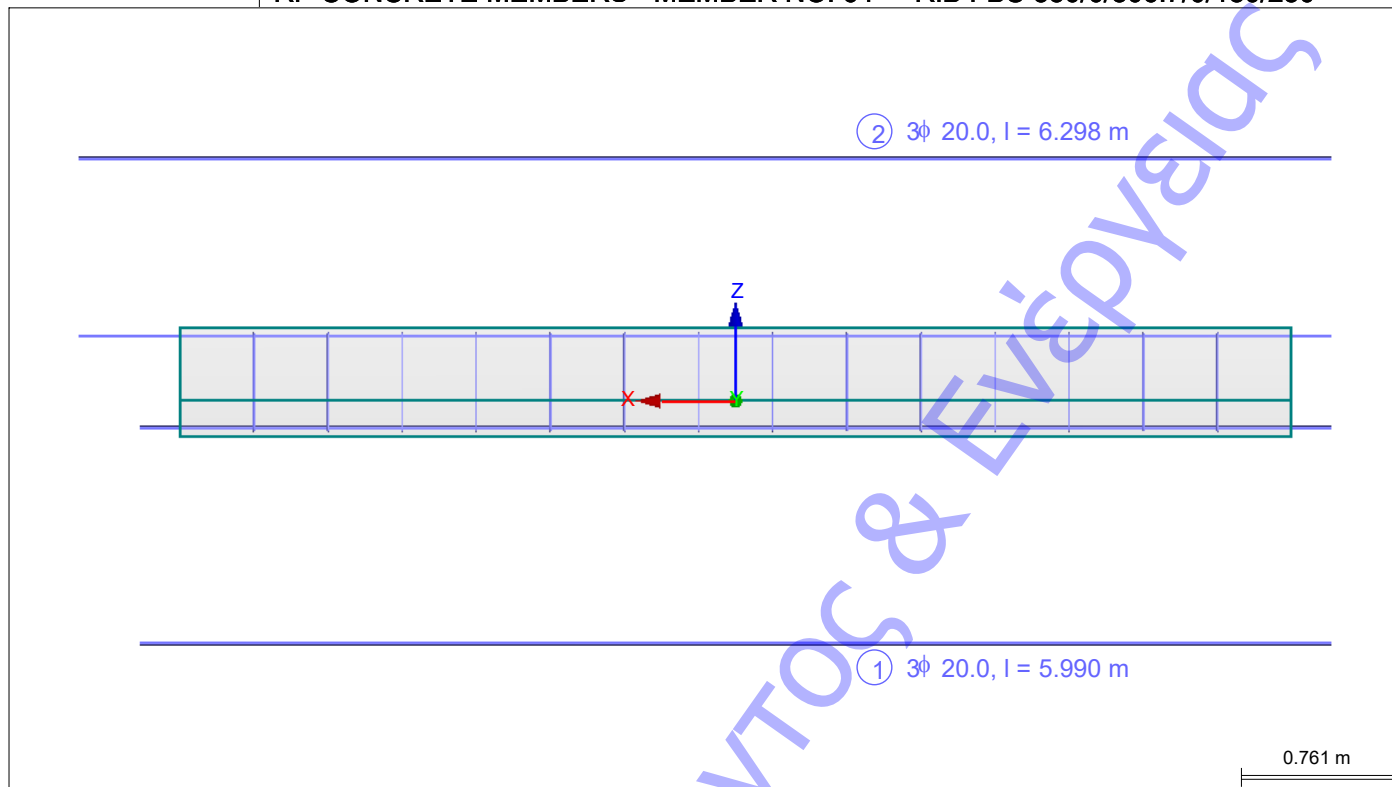
■ RF-CONCRETE MEMBERS - MEMBER NO. 20 - RIB FBU
550/212.5/212.5/180/180/250



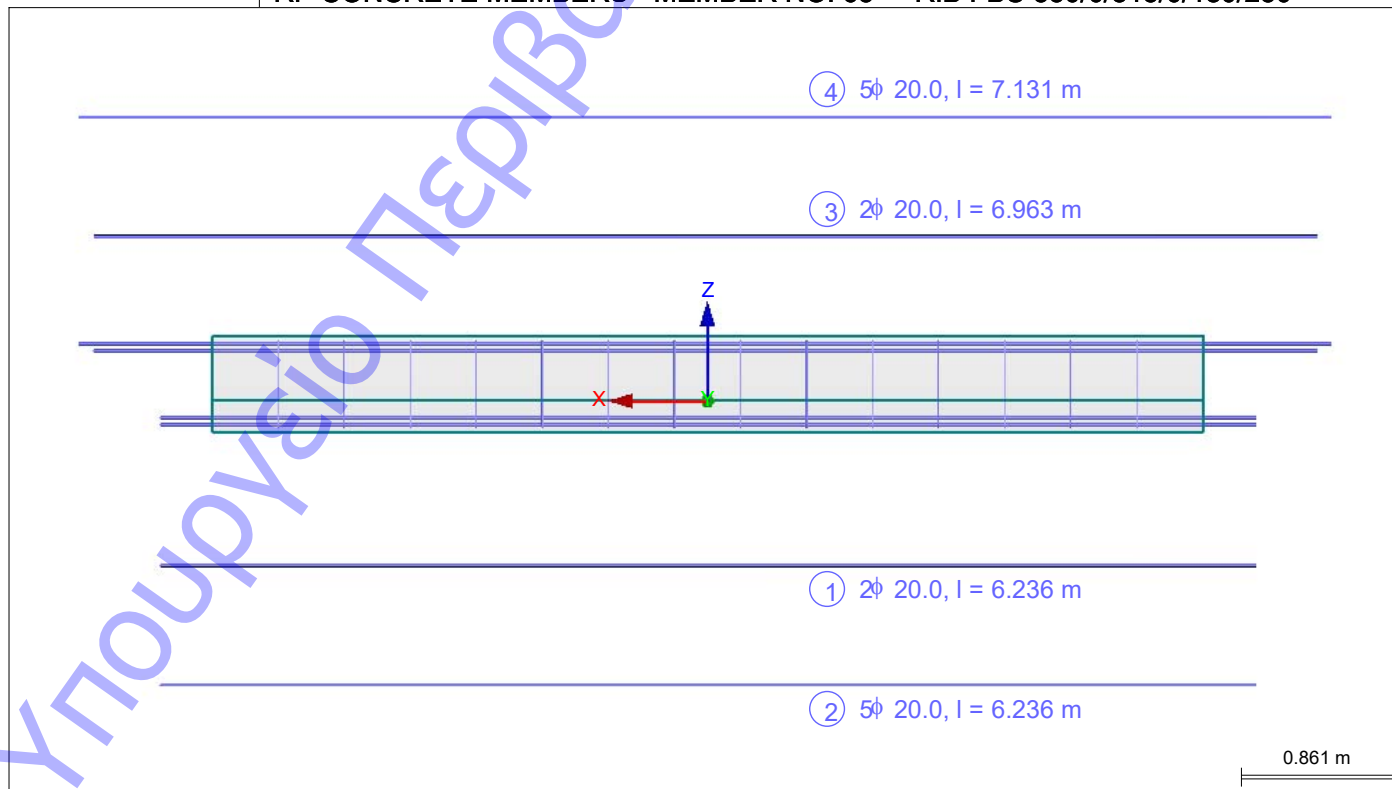
■ RF-CONCRETE MEMBERS - MEMBER NO. 63 - RIB FBU 550/0/528.3/0/180/250



■ RF-CONCRETE MEMBERS - MEMBER NO. 64 - RIB FBU 550/0/806.7/0/180/250

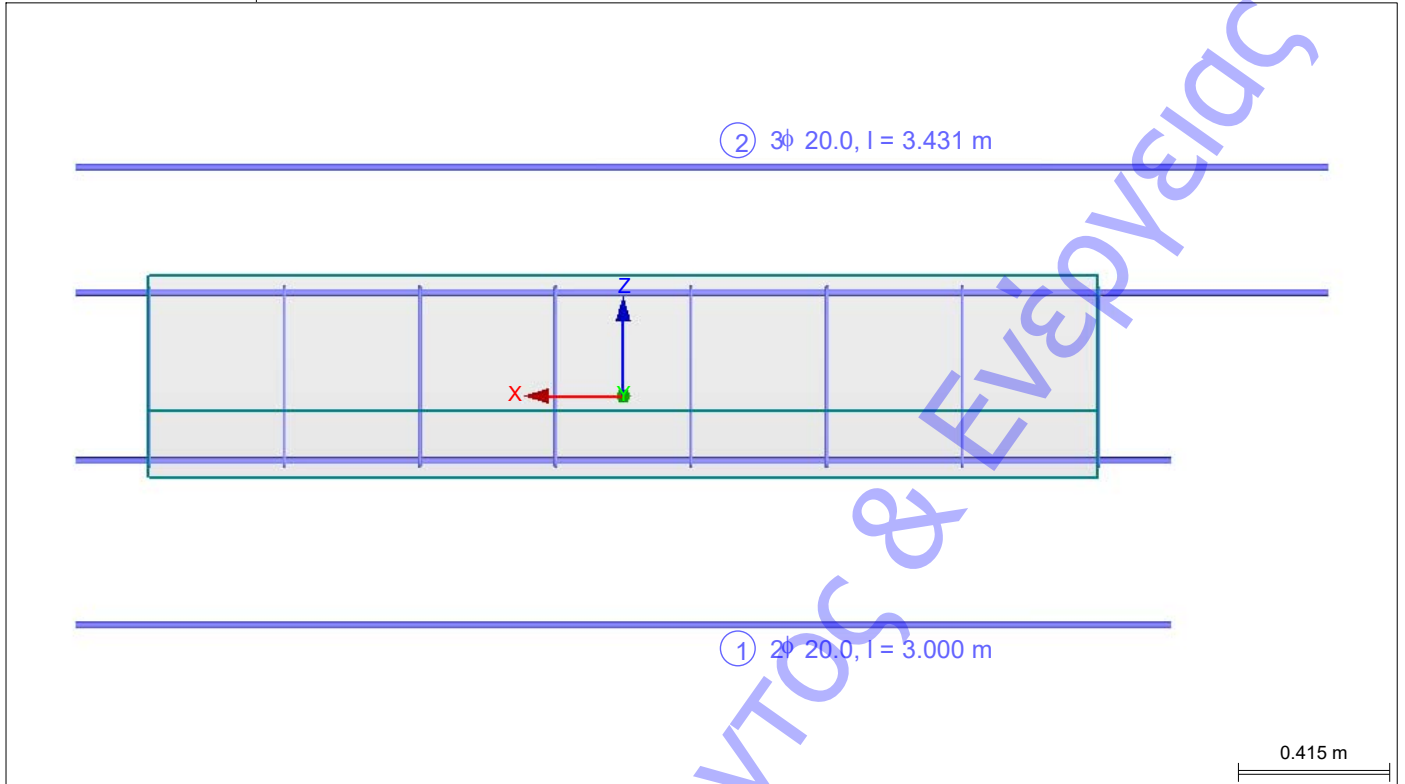


■ RF-CONCRETE MEMBERS - MEMBER NO. 65 - RIB FBU 550/0/815/0/180/250

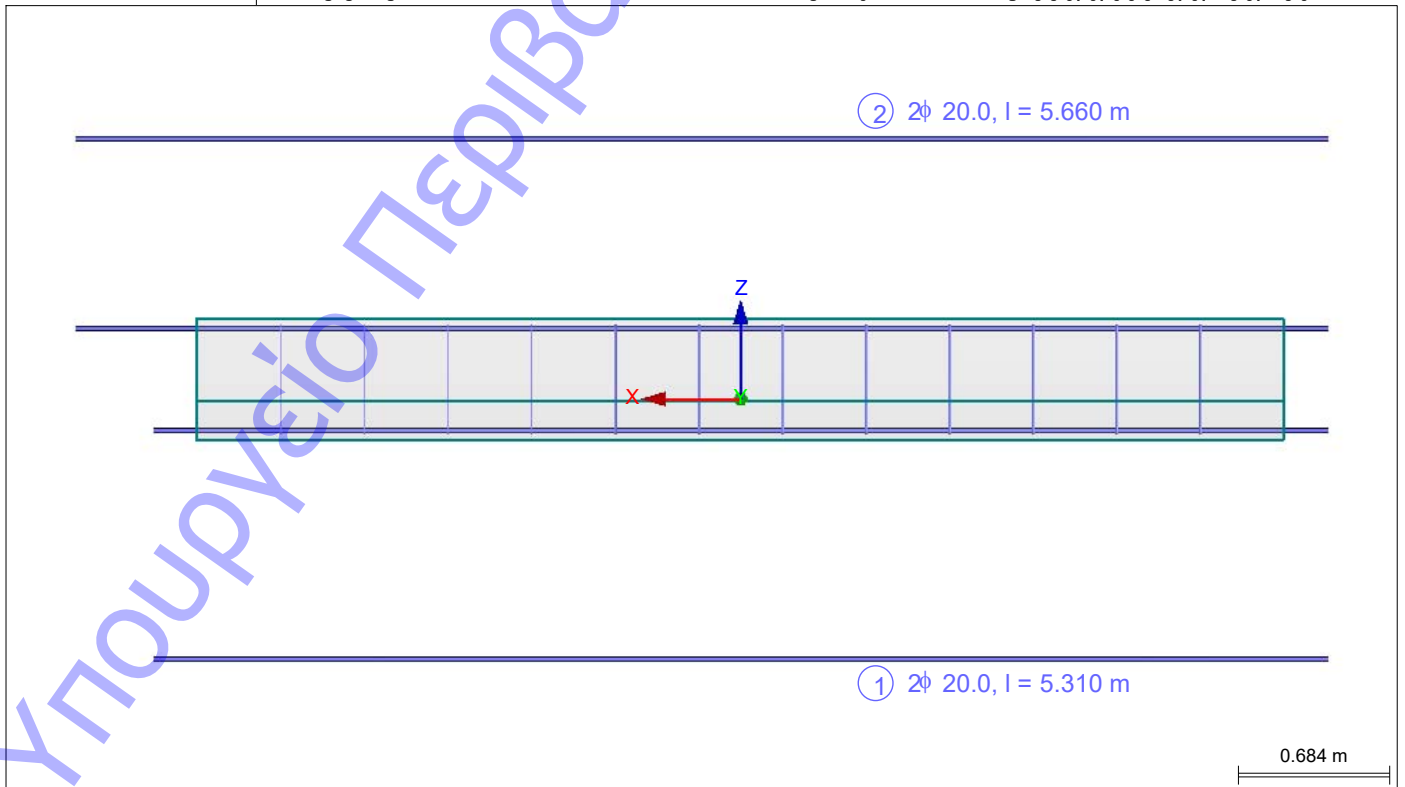




■ RF-CONCRETE MEMBERS - MEMBER NO. 69 - RIB FBU 550/0/308.3/0/180/250

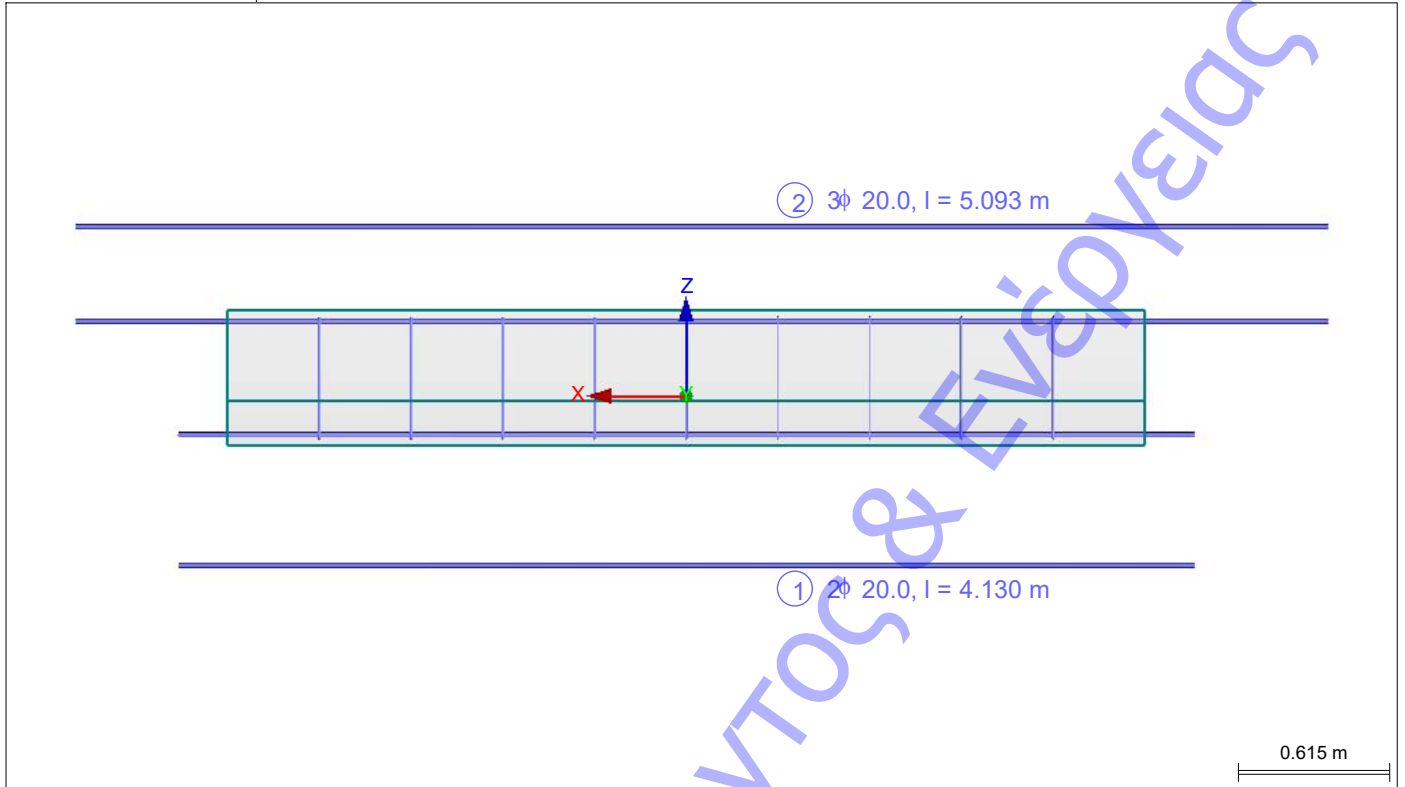


■ RF-CONCRETE MEMBERS - MEMBER NO. 70 - RIB FBU 550/0/693.3/0/180/250

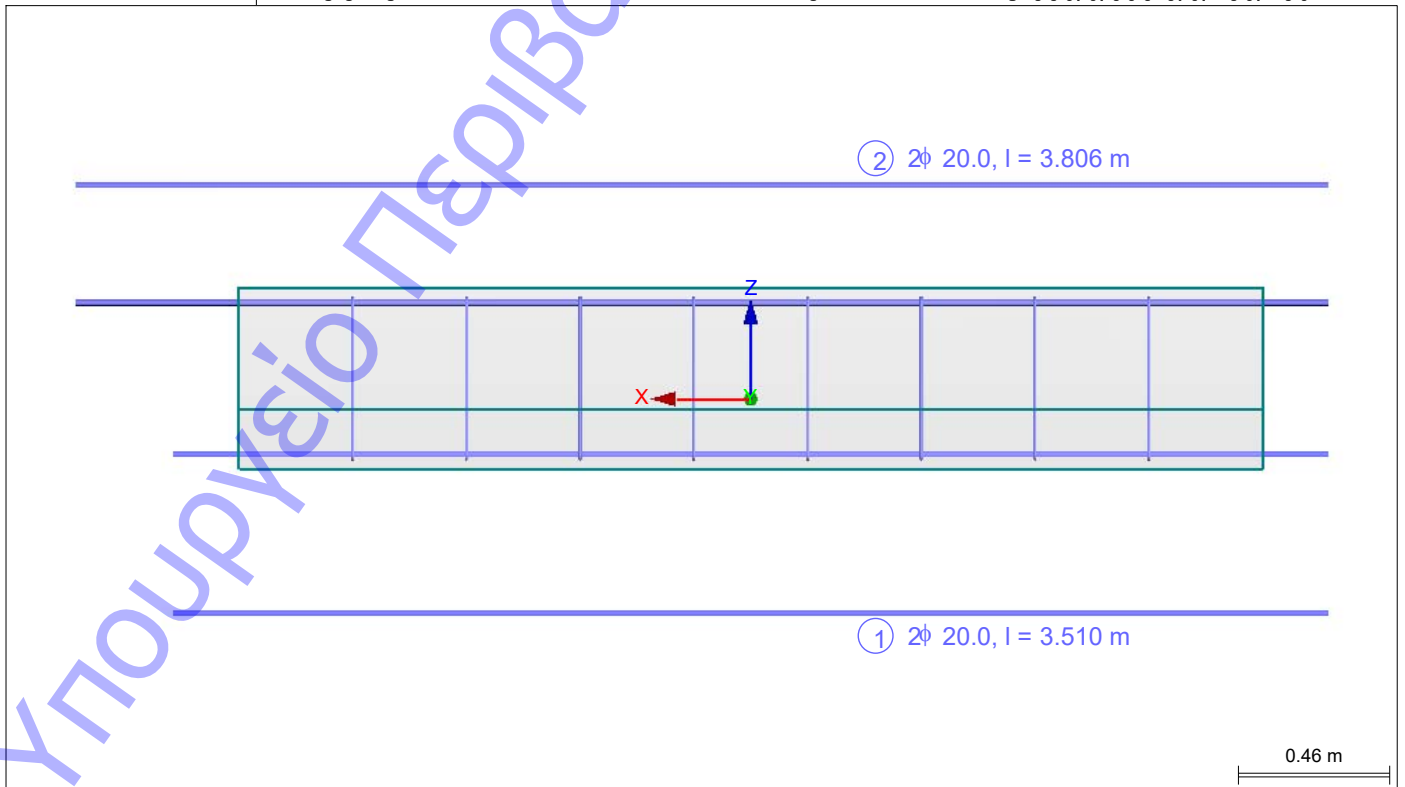




■ RF-CONCRETE MEMBERS - MEMBER NO. 71 - RIB FBU 550/0/496.7/0/180/250

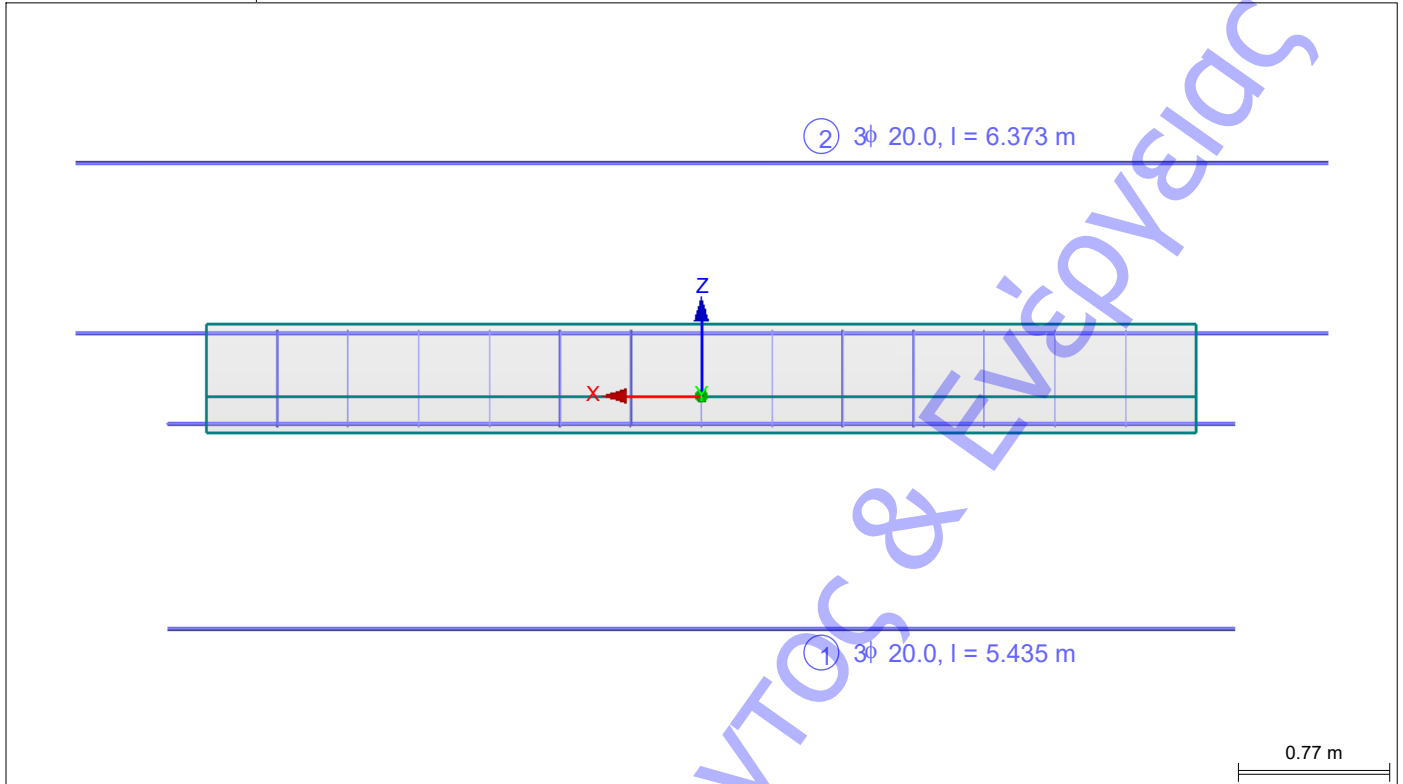


■ RF-CONCRETE MEMBERS - MEMBER NO. 72 - RIB FBU 550/0/393.3/0/180/250

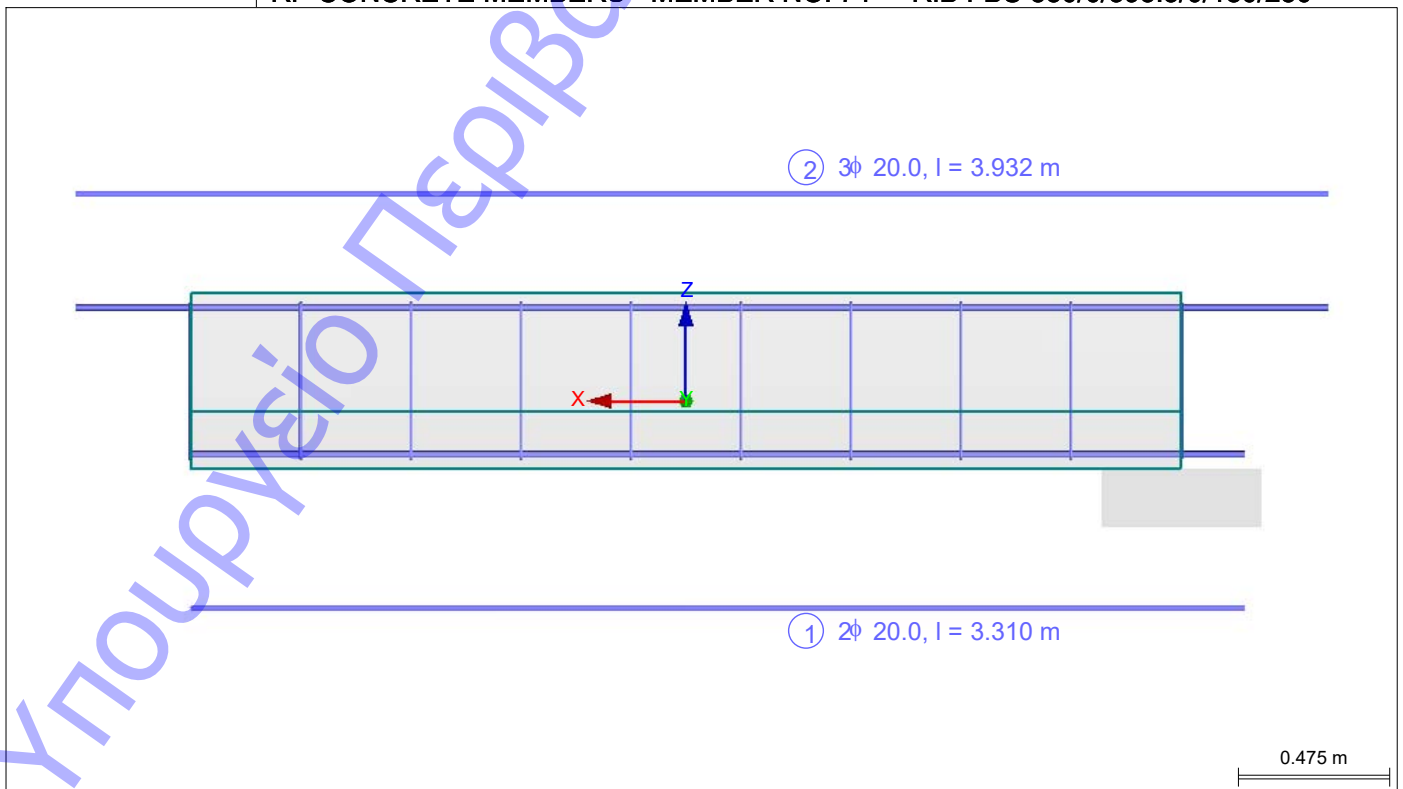




■ RF-CONCRETE MEMBERS - MEMBER NO. 73 - RIB FBU 550/0/714.2/0/180/250

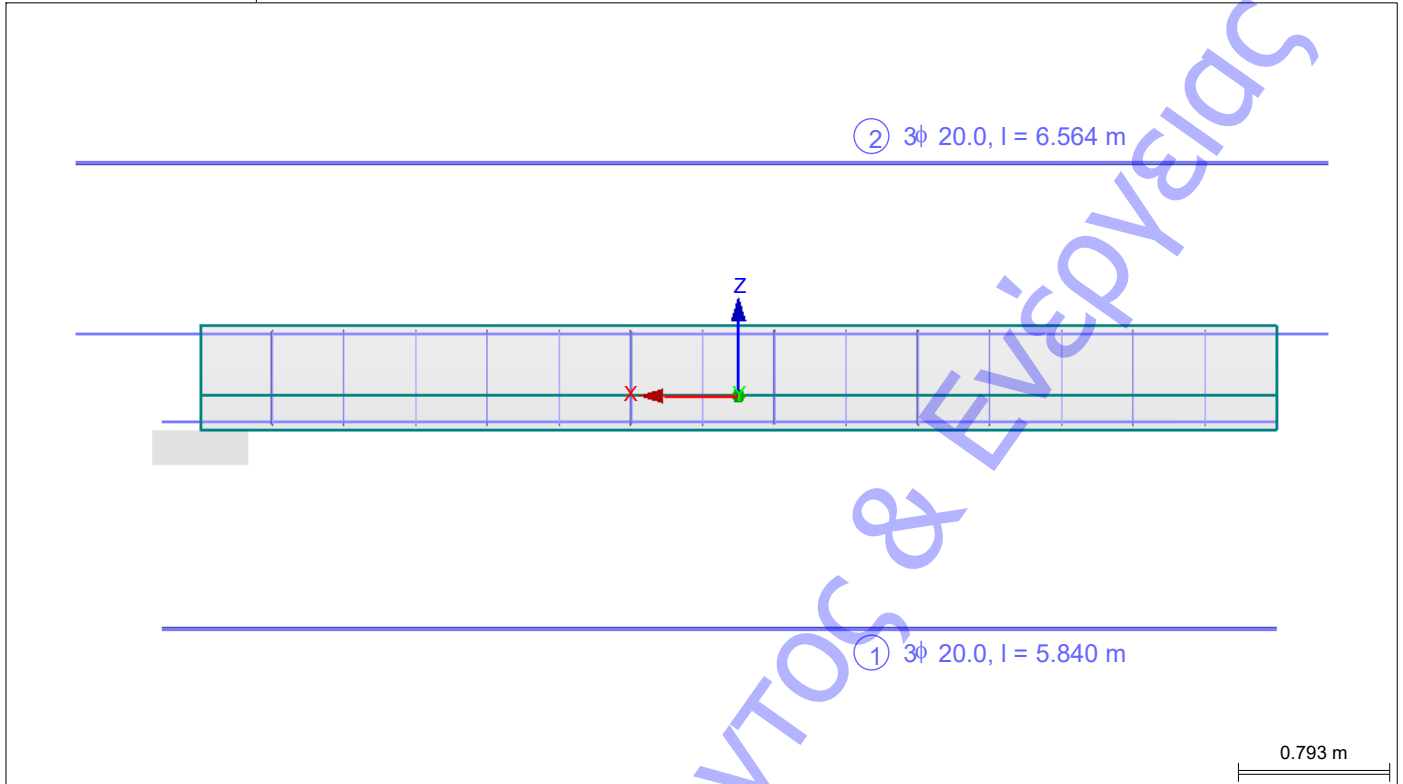


■ RF-CONCRETE MEMBERS - MEMBER NO. 74 - RIB FBU 550/0/393.3/0/180/250

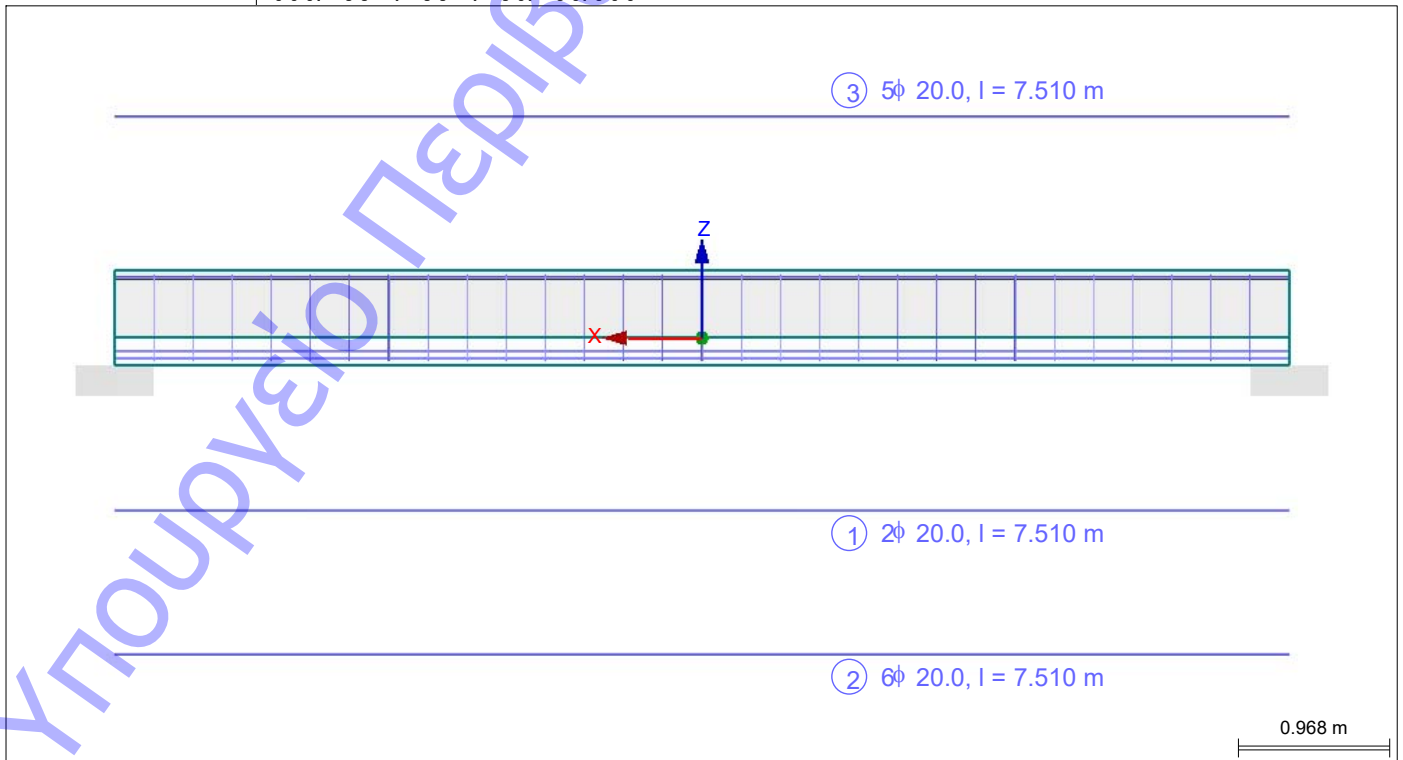




■ RF-CONCRETE MEMBERS - MEMBER NO. 75 - RIB FBU 550/0/815/0/180/250



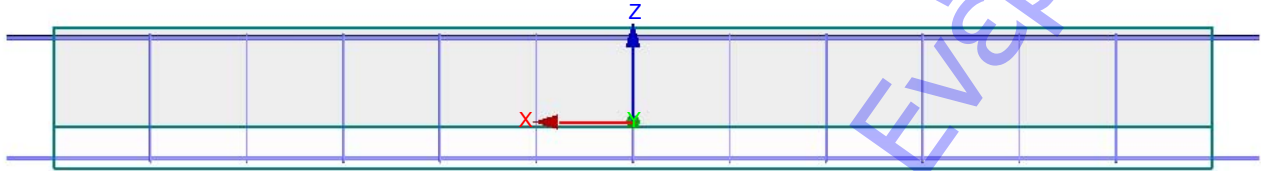
■ RF-CONCRETE MEMBERS - MEMBER NO. 76 - RIB FBU 600/788.7/788.7/180/180/300





■ RF-CONCRETE MEMBERS - MEMBER NO. 78 - RIB FBU
600/463.7/463.7/180/180/300

② 2φ 20.0, l = 5.310 m

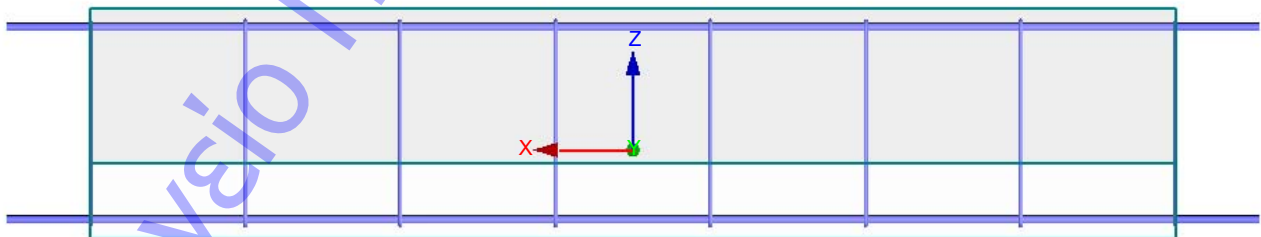


① 4φ 20.0, l = 5.310 m

0.641 m

■ RF-CONCRETE MEMBERS - MEMBER NO. 79 - RIB FBU 550/200/200/180/180/250

② 2φ 20.0, l = 3.000 m

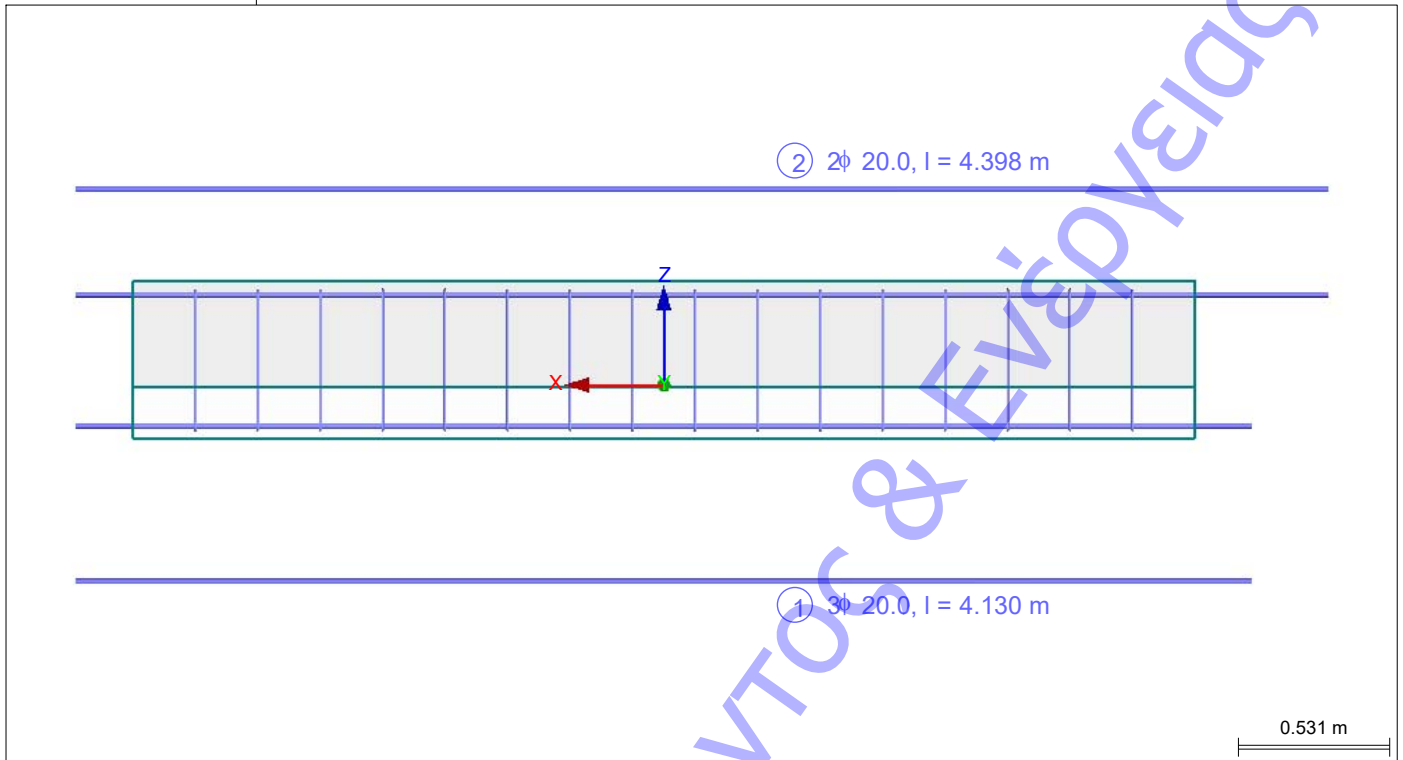


① 2φ 20.0, l = 3.000 m

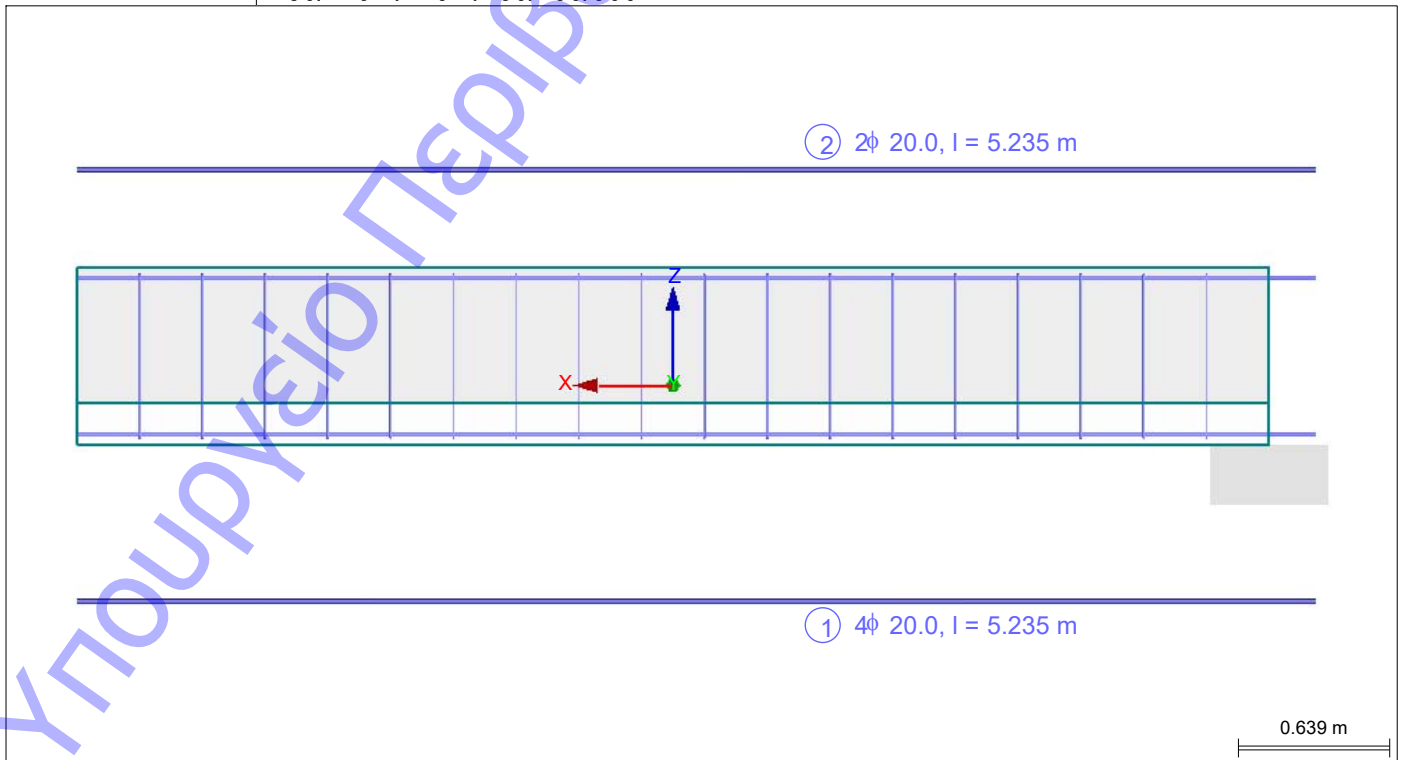
0.362 m



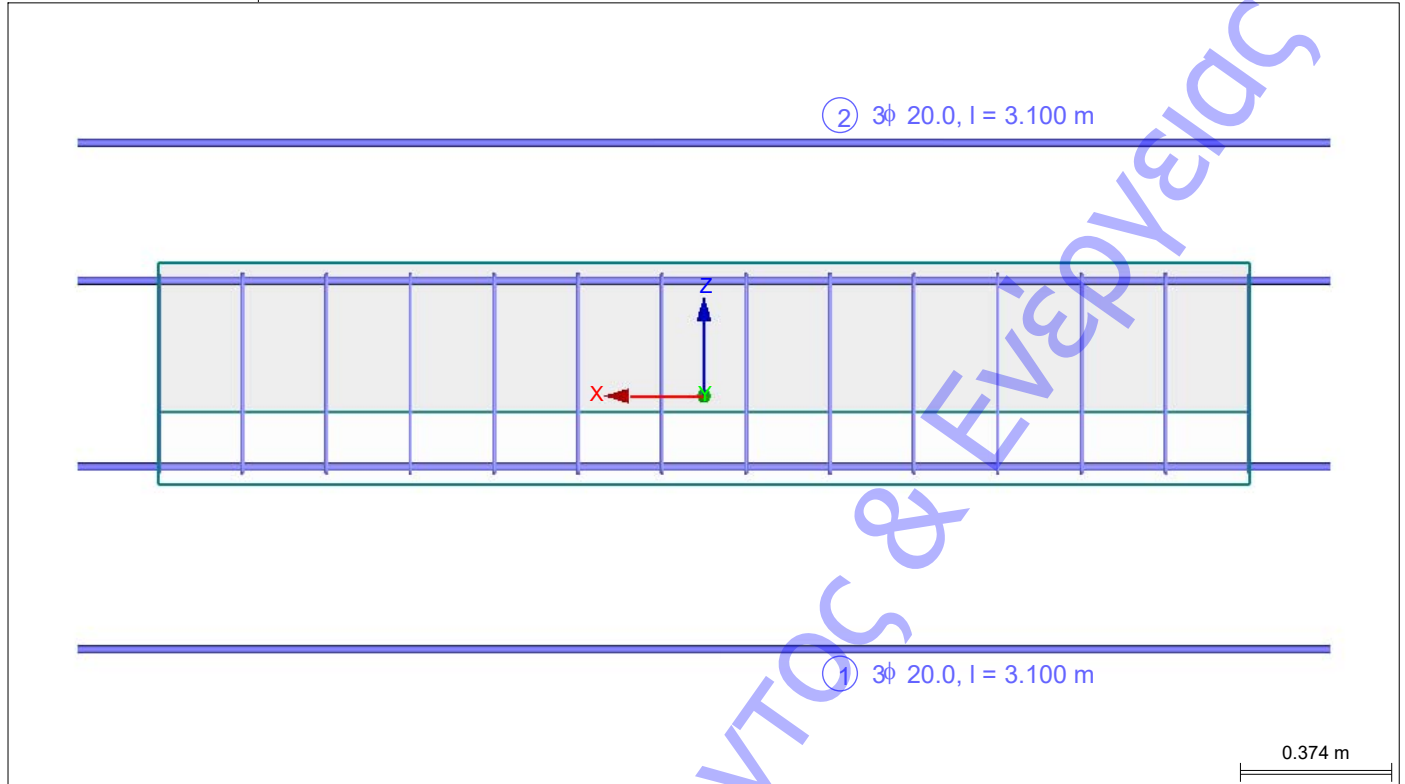
■ RF-CONCRETE MEMBERS - MEMBER NO. 80 - RIB FBU
550/341.3/341.3/180/180/250



■ RF-CONCRETE MEMBERS - MEMBER NO. 81 - RIB FBU
750/479.4/479.4/180/180/300



■ RF-CONCRETE MEMBERS - MEMBER NO. 238 - RIB FBU 550/325/0/180/0/250

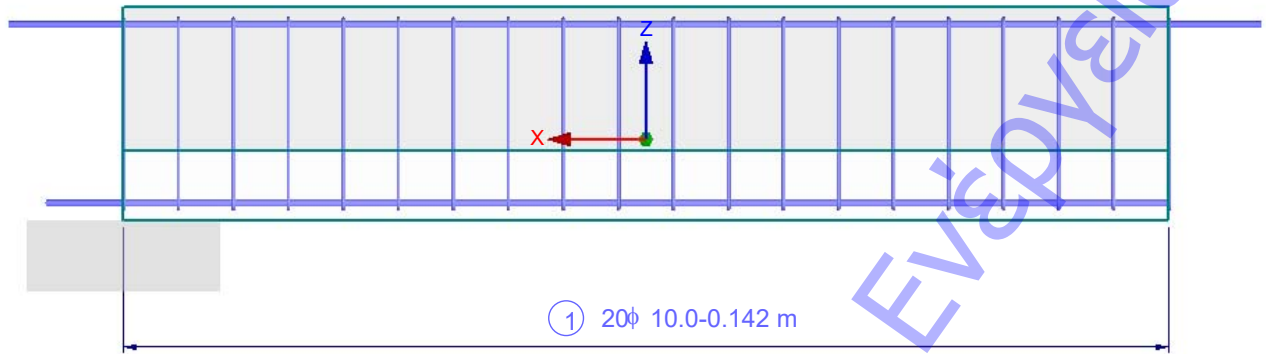


■ 3.2 PROVIDED SHEAR REINFORCEMENT

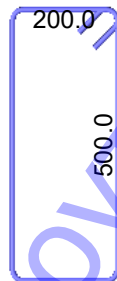
Item No.	No. of stirrups	d_s [mm]	Length [m]	x-Location [m]		Spacing s_{ii} [m]	Stirrup Dimensions [mm]	No. of Legs	Weight [kg]	Notes
Member No. 20	Rib FBU 550/212.5/212.5/180/180/250									
1	20	10.0	2.700	0.000	2.700	0.142	500.0/200.0/108.9	2	19.95	
Member No. 63	Rib FBU 550/0/528.3/0/180/250									
2	12	10.0	3.920	0.000	3.920	0.356	500.0/200.0/108.9	2	11.97	115)
Member No. 64	Rib FBU 550/0/806.7/0/180/250									
3	16	10.0	5.590	0.000	5.590	0.373	500.0/200.0/108.9	2	15.96	115)
Member No. 65	Rib FBU 550/0/815.0/180/250									
4	16	10.0	5.640	0.000	5.640	0.376	500.0/200.0/108.9	2	15.96	115)
Member No. 69	Rib FBU 550/0/308.3/0/180/250									
5	8	10.0	2.600	0.000	2.600	0.371	500.0/200.0/108.9	2	7.98	115)
Member No. 70	Rib FBU 550/0/693.3/0/180/250									
6	14	10.0	4.910	0.000	4.910	0.378	500.0/200.0/108.9	2	13.96	115)
Member No. 71	Rib FBU 550/0/496.7/0/180/250									
7	11	10.0	3.730	0.000	3.730	0.373	500.0/200.0/108.9	2	10.97	115)
Member No. 72	Rib FBU 550/0/393.3/0/180/250									
8	10	10.0	3.110	0.000	3.110	0.346	500.0/200.0/108.9	2	9.97	115)
Member No. 73	Rib FBU 550/0/714.2/0/180/250									
9	15	10.0	5.035	0.000	5.035	0.360	500.0/200.0/108.9	2	14.96	115)
Member No. 74	Rib FBU 550/0/393.3/0/180/250									
10	10	10.0	3.110	0.000	3.110	0.346	500.0/200.0/108.9	2	9.97	115)
Member No. 75	Rib FBU 550/0/815.0/180/250									
11	16	10.0	5.640	0.000	5.640	0.376	500.0/200.0/108.9	2	15.96	115)
Member No. 76	Rib FBU 600/788.7/788.7/180/180/300									
12	31	10.0	7.510	0.000	7.510	0.250	550.0/250.0/108.9	2	34.74	
Member No. 78	Rib FBU 600/463.7/463.7/180/180/300									
13	13	10.0	4.910	0.000	4.910	0.409	550.0/250.0/108.9	2	14.57	115)
Member No. 79	Rib FBU 550/200/200/180/180/250									
14	8	10.0	2.600	0.000	2.600	0.371	500.0/200.0/108.9	2	7.98	115)
Member No. 80	Rib FBU 550/341.3/341.3/180/180/250									
15	18	10.0	3.730	0.000	3.730	0.219	500.0/200.0/108.9	2	17.95	
Member No. 81	Rib FBU 750/479.4/479.4/180/180/300									
16	20	10.0	5.035	0.000	5.035	0.265	700.0/250.0/108.9	2	26.11	
Member No. 238	Rib FBU 550/325/0/180/0/250									
17	14	10.0	2.700	0.000	2.700	0.208	500.0/200.0/108.9	2	13.96	



■ RF-CONCRETE MEMBERS - MEMBER NO. 20 - RIB FBU
550/212.5/212.5/180/180/250

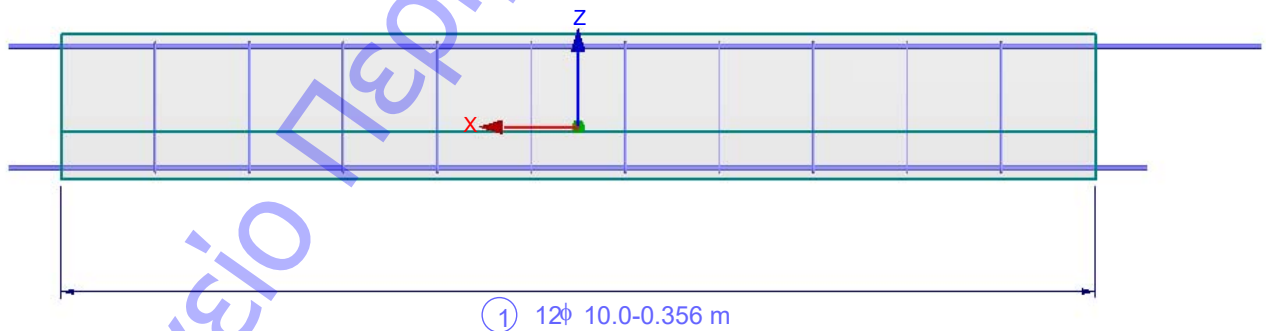


0.391 m

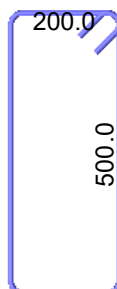


0.275 m

■ RF-CONCRETE MEMBERS - MEMBER NO. 63 - RIB FBU 550/0/528.3/0/180/250



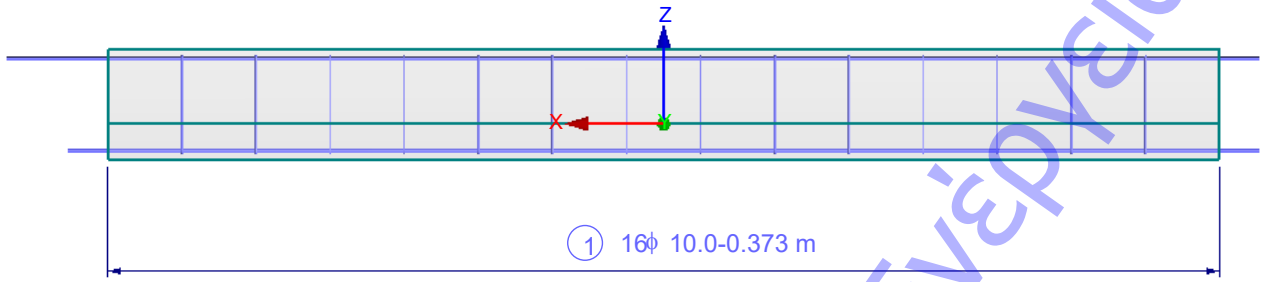
0.574 m



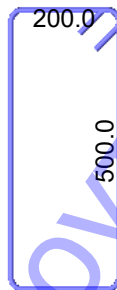
0.266 m



■ RF-CONCRETE MEMBERS - MEMBER NO. 64 - RIB FBU 550/0/806.7/0/180/250

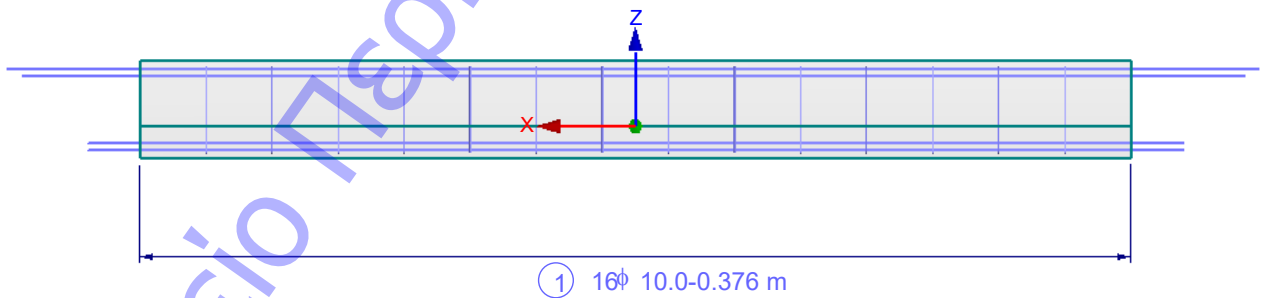


0.761 m

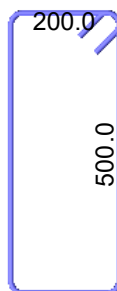


0.266 m

■ RF-CONCRETE MEMBERS - MEMBER NO. 65 - RIB FBU 550/0/815/0/180/250



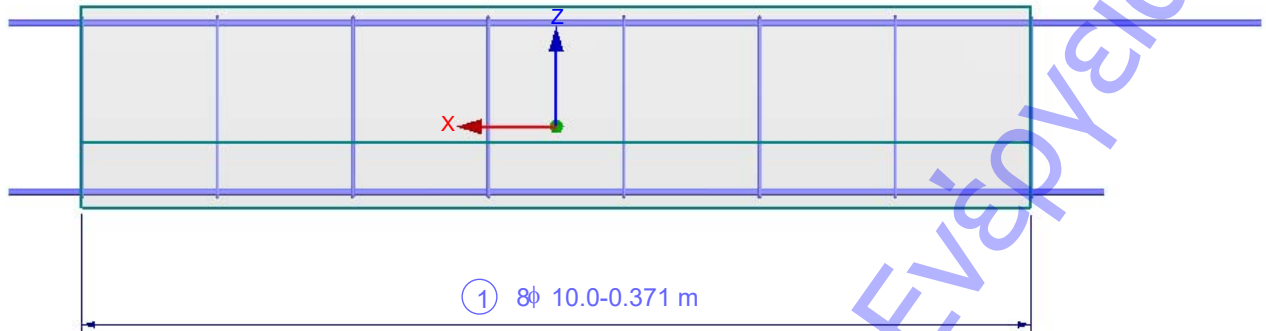
0.861 m



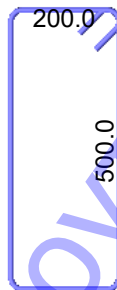
0.266 m



■ RF-CONCRETE MEMBERS - MEMBER NO. 69 - RIB FBU 550/0/308.3/0/180/250

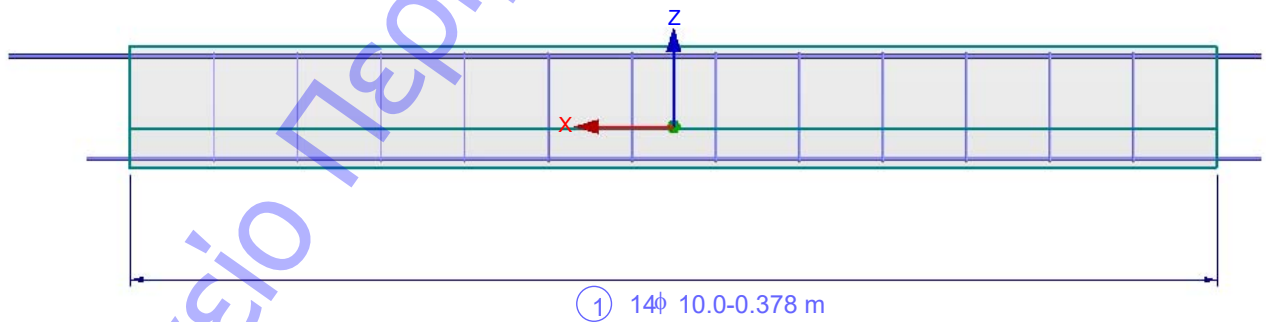


0.415 m

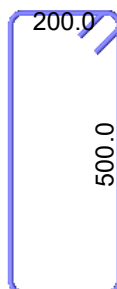


0.266 m

■ RF-CONCRETE MEMBERS - MEMBER NO. 70 - RIB FBU 550/0/693.3/0/180/250



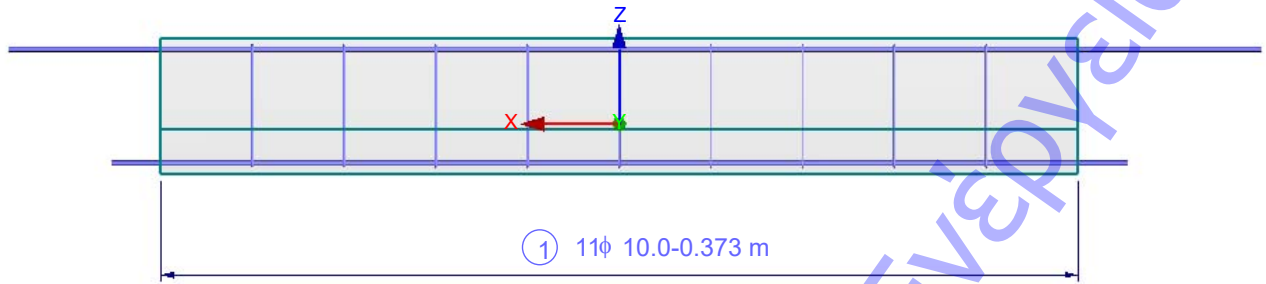
0.684 m



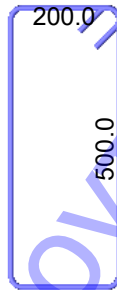
0.266 m



■ RF-CONCRETE MEMBERS - MEMBER NO. 71 - RIB FBU 550/0/496.7/0/180/250

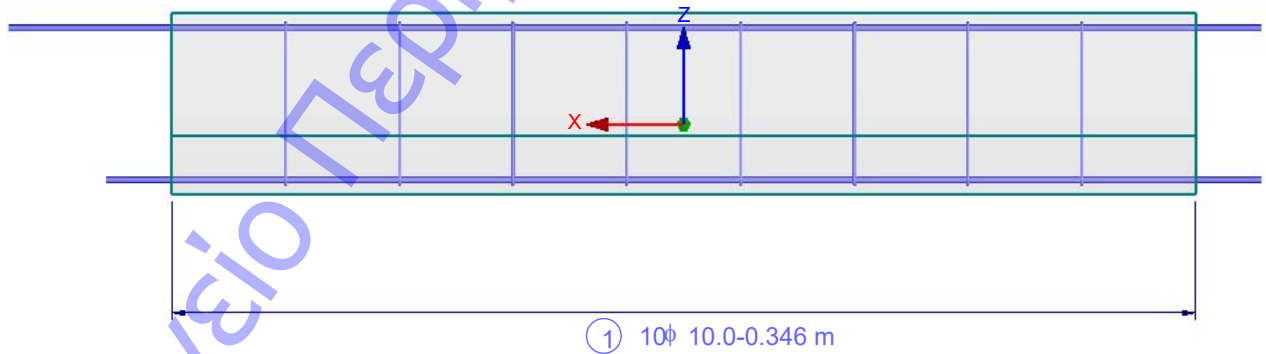


0.615 m

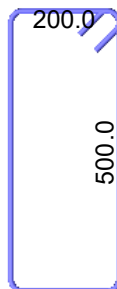


0.266 m

■ RF-CONCRETE MEMBERS - MEMBER NO. 72 - RIB FBU 550/0/393.3/0/180/250



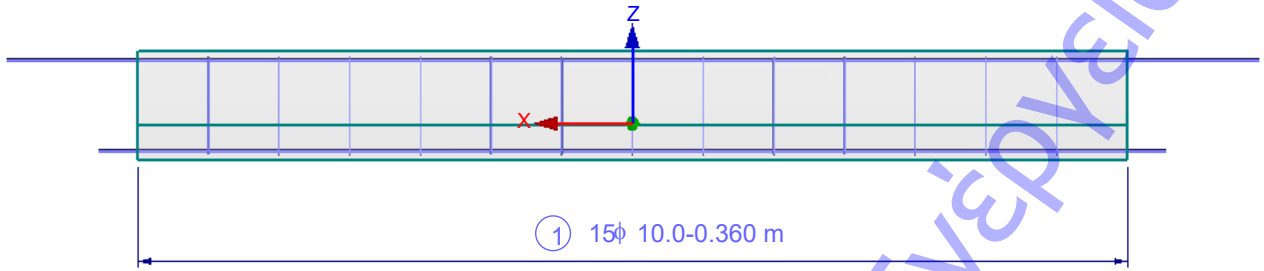
0.46 m



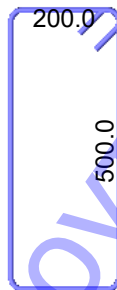
0.266 m



■ RF-CONCRETE MEMBERS - MEMBER NO. 73 - RIB FBU 550/0/714.2/0/180/250

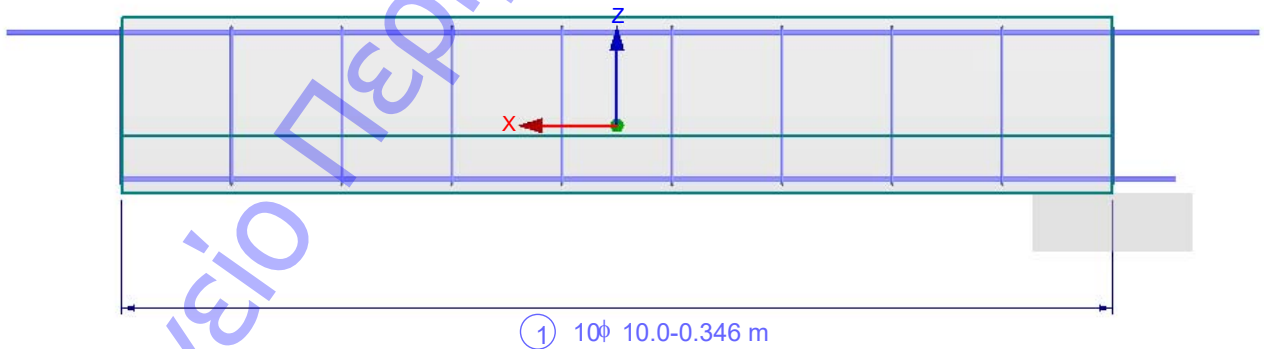


0.77 m

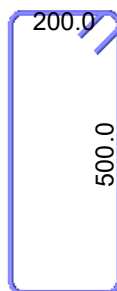


0.266 m

■ RF-CONCRETE MEMBERS - MEMBER NO. 74 - RIB FBU 550/0/393.3/0/180/250



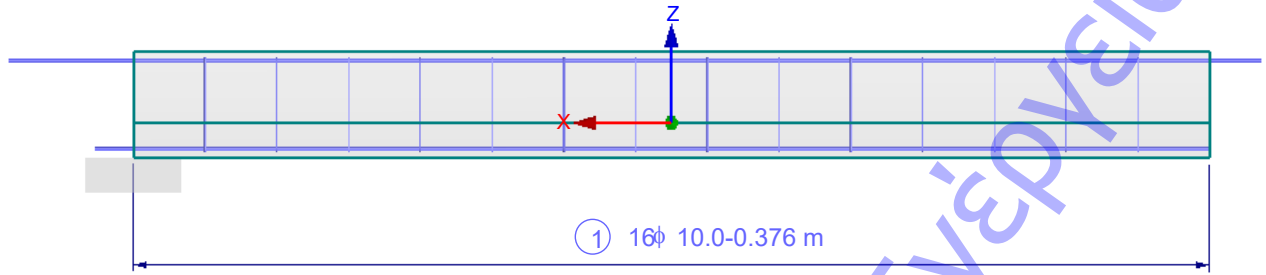
0.475 m



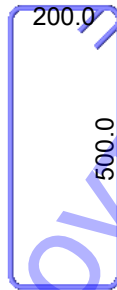
0.266 m



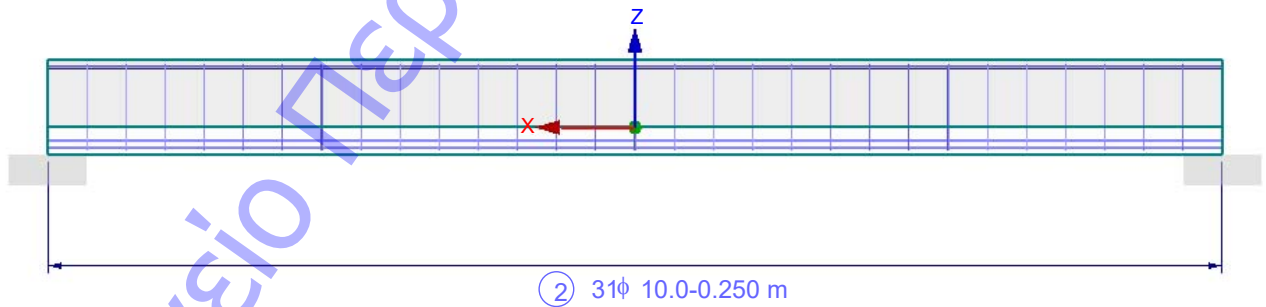
■ RF-CONCRETE MEMBERS - MEMBER NO. 75 - RIB FBU 550/0/815/0/180/250



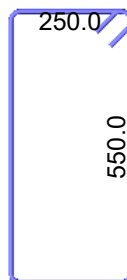
0.793 m



0.266 m

■ RF-CONCRETE MEMBERS - MEMBER NO. 76 - RIB FBU
600/788.7/788.7/180/180/300

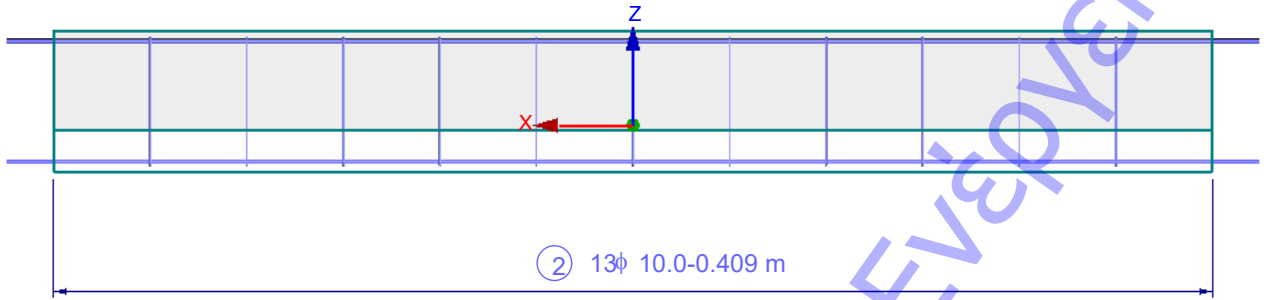
0.968 m



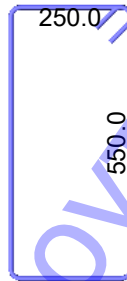
0.302 m



■ RF-CONCRETE MEMBERS - MEMBER NO. 78 - RIB FBU
600/463.7/463.7/180/180/300

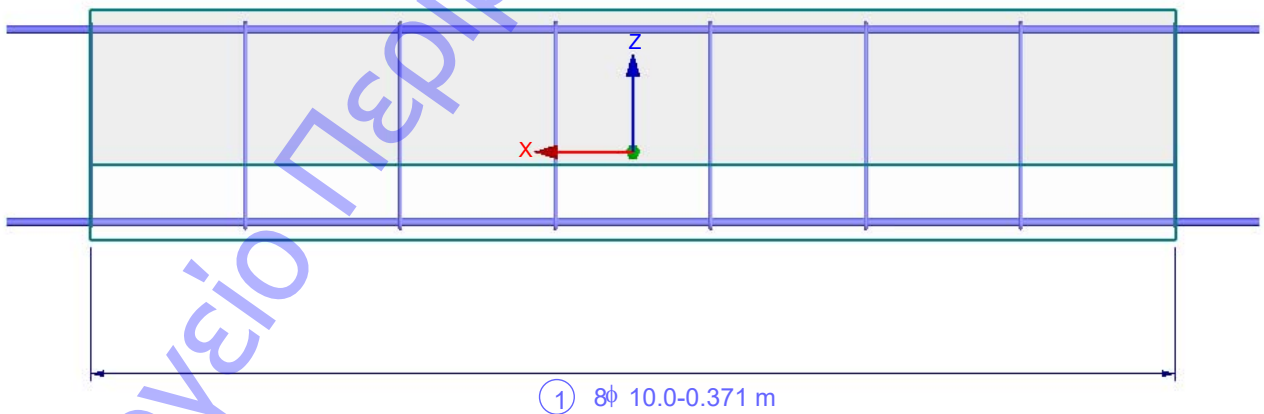


0.641 m

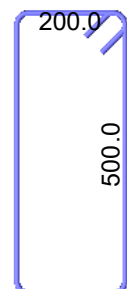


0.302 m

■ RF-CONCRETE MEMBERS - MEMBER NO. 79 - RIB FBU 550/200/200/180/180/250

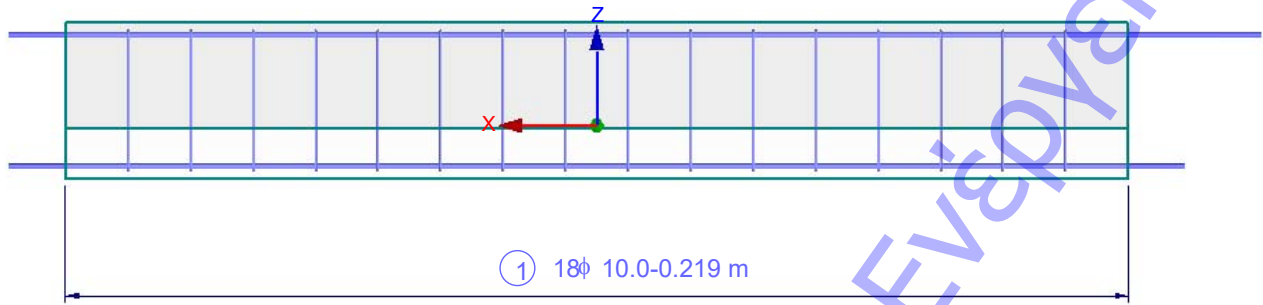


0.362 m



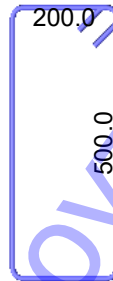
0.266 m

■ RF-CONCRETE MEMBERS - MEMBER NO. 80 - RIB FBU
550/341.3/341.3/180/180/250



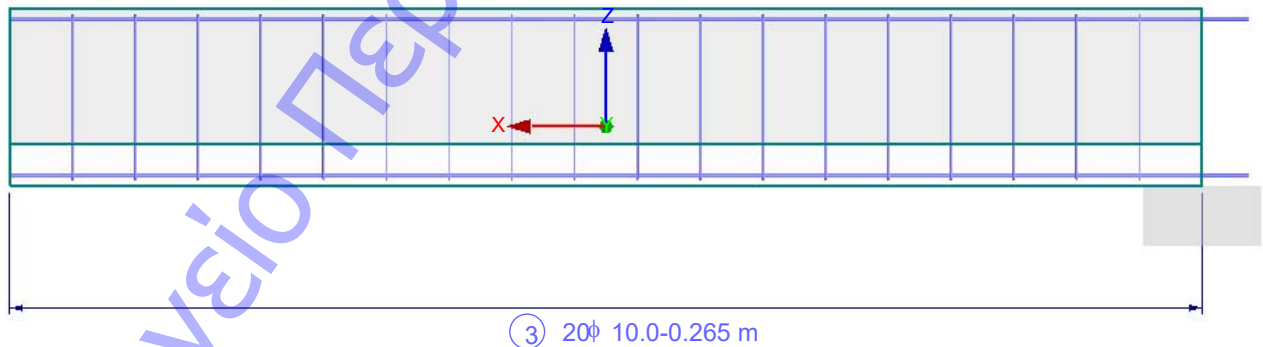
① 18φ 10.0-0.219 m

0.531 m



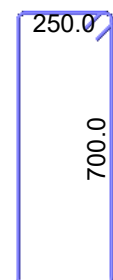
0.275 m

■ RF-CONCRETE MEMBERS - MEMBER NO. 81 - RIB FBU
750/479.4/479.4/180/180/300



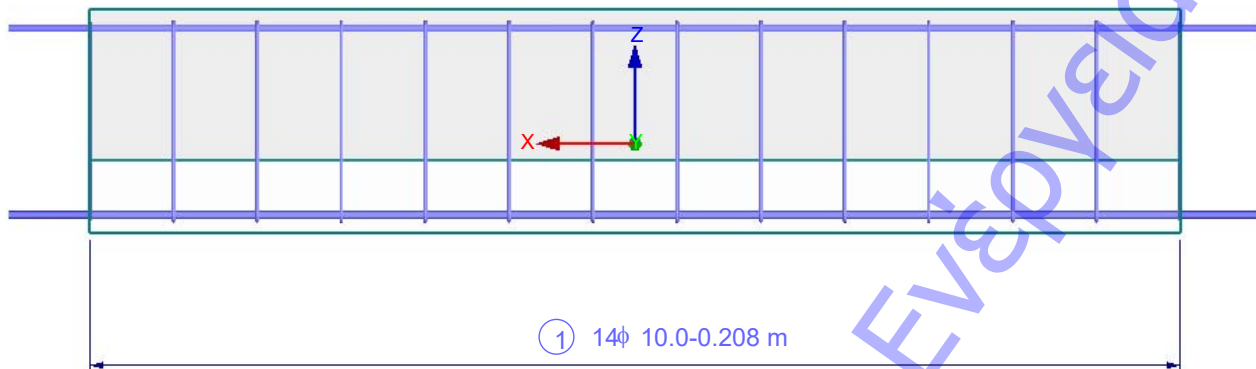
③ 20φ 10.0-0.265 m

0.639 m

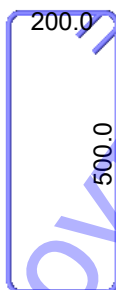


0.386 m

■ RF-CONCRETE MEMBERS - MEMBER NO. 238 - RIB FBU 550/325/0/180/0/250



0.374 m



0.266 m

■ 3.4 STEEL SCHEDULE

Item No.	Reinforcement Type	d _s [mm]	Surface	No. of Bars	Length [m]	Anchorage Type		Bending Diameter [m]	Weight [kg]
						Start	End		
Material No. 3 - Reinforcing Steel B 500 S (A)									
1	Length	20.0	Ribbed	3	2.900	Straight	Straight		21.46
2	Length	20.0	Ribbed	3	3.236	Straight	Straight		23.94
3	Length	20.0	Ribbed	2	4.320	Straight	Straight		21.31
4	Length	20.0	Ribbed	2	4.751	Straight	Straight		23.43
5	Length	20.0	Ribbed	3	5.990	Straight	Straight		44.32
6	Length	20.0	Ribbed	3	6.298	Straight	Straight		46.60
7	Length	20.0	Ribbed	7	6.236	Straight	Straight		107.65
8	Length	20.0	Ribbed	2	6.963	Straight	Straight		34.34
9	Length	20.0	Ribbed	5	7.131	Straight	Straight		87.92
10	Length	20.0	Ribbed	3	3.431	Straight	Straight		25.39
11	Length	20.0	Ribbed	2	5.660	Straight	Straight		27.92
12	Length	20.0	Ribbed	3	5.093	Straight	Straight		37.68
13	Length	20.0	Ribbed	2	3.510	Straight	Straight		17.31
14	Length	20.0	Ribbed	2	3.806	Straight	Straight		18.77
15	Length	20.0	Ribbed	3	5.435	Straight	Straight		40.21
16	Length	20.0	Ribbed	3	6.373	Straight	Straight		47.15
17	Length	20.0	Ribbed	2	3.310	Straight	Straight		16.33
18	Length	20.0	Ribbed	3	3.932	Straight	Straight		29.09
19	Length	20.0	Ribbed	3	5.840	Straight	Straight		43.21
20	Length	20.0	Ribbed	3	6.564	Straight	Straight		48.56
21	Length	20.0	Ribbed	13	7.510	Straight	Straight		240.77
22	Length	20.0	Ribbed	8	5.310	Straight	Straight		104.76
23	Length	20.0	Ribbed	6	3.000	Straight	Straight		44.39
24	Length	20.0	Ribbed	5	4.130	Straight	Straight		50.93
25	Length	20.0	Ribbed	2	4.398	Straight	Straight		21.69
26	Length	20.0	Ribbed	6	5.235	Straight	Straight		77.46
27	Length	20.0	Ribbed	6	3.100	Straight	Straight		45.87
28	Stirrup	10.0	Ribbed	44	1.818	Hook	Hook	0.040	49.31
29	Stirrup	10.0	Ribbed	20	2.118	Hook	Hook	0.040	26.11
30	Stirrup	10.0	Ribbed	188	1.618	Hook	Hook	0.040	187.52
Total				357					1611.40

■ 4.3 SERVICEABILITY CHECK BY MEMBER

Member No.	Location x [m]	Loading	Type	Existing Value	Design Limit Value	Unit	Capacity	Note
Member No. 20 - Rib FBU 550/212.5/212.5/180/180/250								
20	0.000	RC2	$U_{z,local}$	1.7	10.8	mm	0.17	334)
20	0.000	RC2	σ_s	116.4	400.0	N/mm ²	0.30	
20	1.500	RC2	$A_{s,min}$	18.85	3.29	cm ²	0.18	
20	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)



4.3 SERVICEABILITY CHECK BY MEMBER

Member No.	Location x [m]	Loading	Type	Existing Value	Design Limit Value	Unit	Capacity	Note
Member No. 63 - Rib FBU 550/0/528.3/0/180/250								
63	2.111	RC2	$U_{z,local}$	1.8	15.7	mm	0.12	
63	1.809	RC2	σ_s	133.5	400.0	N/mm ²	0.34	
63	1.809	RC2	$A_{s,min}$	12.57	4.01	cm ²	0.32	
63	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)
Member No. 64 - Rib FBU 550/0/806.7/0/180/250								
64	2.795	RC2	$U_{z,local}$	4.2	22.4	mm	0.19	
64	2.795	RC2	σ_s	349.4	400.0	N/mm ²	0.88	
64	2.795	RC2	$A_{s,min}$	18.85	5.17	cm ²	0.28	
64	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)
Member No. 65 - Rib FBU 550/0/815/0/180/250								
65	2.672	RC2	$U_{z,local}$	2.2	22.6	mm	0.10	
65	2.672	RC2	σ_s	134.2	400.0	N/mm ²	0.34	
65	2.672	RC2	$A_{s,min}$	43.98	4.91	cm ²	0.12	
65	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)
Member No. 69 - Rib FBU 550/0/308.3/0/180/250								
69	2.600	RC2	$U_{z,local}$	0.7	10.4	mm	0.08	
69	0.000	RC2	σ_s	-2.7	400.0	N/mm ²	0.01	
69	0.000	RC2	$A_{s,min}$	15.71	2.99	cm ²	0.20	
69	0.000	RC2	w_k	0.000	0.300	mm	0.00	204) 215)
Member No. 70 - Rib FBU 550/0/693.3/0/180/250								
70	2.455	RC2	$U_{z,local}$	2.6	19.6	mm	0.14	
70	2.455	RC2	σ_s	250.9	400.0	N/mm ²	0.63	
70	2.455	RC2	$A_{s,min}$	12.57	4.52	cm ²	0.36	
70	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)
Member No. 71 - Rib FBU 550/0/496.7/0/180/250								
71	3.730	RC2	$U_{z,local}$	1.3	14.9	mm	0.09	
71	1.865	RC2	σ_s	58.9	400.0	N/mm ²	0.15	
71	1.865	RC2	$A_{s,min}$	15.71	3.61	cm ²	0.23	
71	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)
Member No. 72 - Rib FBU 550/0/393.3/0/180/250								
72	0.000	RC2	$U_{z,local}$	1.3	12.4	mm	0.11	334)
72	3.110	RC2	σ_s	27.8	400.0	N/mm ²	0.07	
72	2.177	RC2	$A_{s,min}$	12.57	3.19	cm ²	0.26	
72	0.000	RC2	w_k	0.000	0.300	mm	0.00	204) 215)
Member No. 73 - Rib FBU 550/0/714.2/0/180/250								
73	2.666	RC2	$U_{z,local}$	2.0	20.1	mm	0.10	
73	2.666	RC2	σ_s	166.2	400.0	N/mm ²	0.42	
73	2.666	RC2	$A_{s,min}$	18.85	4.41	cm ²	0.24	
73	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)
Member No. 74 - Rib FBU 550/0/393.3/0/180/250								
74	3.110	RC2	$U_{z,local}$	1.1	12.4	mm	0.09	
74	0.000	RC2	σ_s	21.2	400.0	N/mm ²	0.06	
74	0.933	RC2	$A_{s,min}$	15.71	3.21	cm ²	0.21	
74	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)
Member No. 75 - Rib FBU 550/0/815/0/180/250								
75	2.672	RC2	$U_{z,local}$	3.5	22.6	mm	0.16	
75	2.968	RC2	σ_s	304.2	400.0	N/mm ²	0.77	
75	2.968	RC2	$A_{s,min}$	18.85	4.96	cm ²	0.27	
75	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)
Member No. 76 - Rib FBU 600/788.7/788.7/180/180/300								
76	3.905	RC2	$U_{z,local}$	13.3	30.0	mm	0.45	
76	0.000	RC2	σ_s	210.8	400.0	N/mm ²	0.53	
76	3.605	RC2	$A_{s,min}$	40.84	5.44	cm ²	0.14	
76	0.000	RC2	w_k	0.218	0.300	mm	0.73	
Member No. 78 - Rib FBU 600/463.7/463.7/180/180/300								
78	2.762	RC2	$U_{z,local}$	5.0	19.6	mm	0.26	
78	2.455	RC2	σ_s	249.5	400.0	N/mm ²	0.63	
78	2.455	RC2	$A_{s,min}$	18.85	4.50	cm ²	0.24	
78	2.455	RC2	w_k	0.190	0.300	mm	0.64	
Member No. 79 - Rib FBU 550/200/200/180/180/250								
79	0.000	RC2	$U_{z,local}$	3.0	10.4	mm	0.30	334)
79	0.000	RC2	σ_s	101.5	400.0	N/mm ²	0.26	
79	0.000	RC2	$A_{s,min}$	12.57	3.22	cm ²	0.26	
79	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)
Member No. 80 - Rib FBU 550/341.3/341.3/180/180/250								
80	2.798	RC2	$U_{z,local}$	3.1	14.9	mm	0.21	
80	1.865	RC2	σ_s	137.5	400.0	N/mm ²	0.35	
80	1.865	RC2	$A_{s,min}$	15.71	3.77	cm ²	0.25	
80	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)
Member No. 81 - Rib FBU 750/479.4/479.4/180/180/300								
81	2.073	RC2	$U_{z,local}$	4.0	20.1	mm	0.20	
81	2.073	RC2	σ_s	187.8	400.0	N/mm ²	0.47	
81	2.073	RC2	$A_{s,min}$	18.85	4.32	cm ²	0.23	
81	0.000	RC2	w_k	0.000	0.300	mm	0.00	215)
Member No. 238 - Rib FBU 550/325/0/180/0/250								
238	2.700	RC2	$U_{z,local}$	5.1	10.8	mm	0.47	
238	0.000	RC2	σ_s	187.6	400.0	N/mm ²	0.47	
238	0.000	RC2	$A_{s,min}$	18.85	6.09	cm ²	0.33	

4.3 SERVICEABILITY CHECK BY MEMBER

Member No.	Location x [m]	Loading	Type	Existing Value	Design Limit Value	Unit	Capacity	Note
238	0.000	RC2	w _k	0.000	0.300	mm	0.00	215)

NOTES

No.	Description
6)	Flexural compression reinforcement required - Top
25)	Min. reinforcement for compression members acc. to 9.5.2 (2)
26)	Minimum reinforcement for beams - Top acc. to 9.2.1.1 (1)
27)	Minimum reinforcement for beams - Bottom acc. to 9.2.1.1 (1)
28)	The top longitudinal reinforcement was increased for SLS
29)	Bottom longitudinal reinforcement was increased for SLS
30)	Moments taken at the support edge according to 5.3.2.2(4)
58)	Using the approximate value of lever z
69)	Min. shear reinforcement acc. to 9.2.2 (5)
115)	Min. shear reinforcement for beam acc. to 9.2.2
204)	Section is in compression. No cracking occurs.
215)	Concrete does not crack
334)	The effect of the bending moment M _z is not considered in the given deformation u _{1,z}

RF-CONCRETE Members
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1.1 GENERAL DATA

Design according to Standard:	EN 1992-1-1:2004/A1:2014
ULTIMATE LIMIT STATES	
Result combinations to design:	RC1 ULS (STR/GEO) - Permanent / transient - Eq. 6.10 Persistent and Transient
SERVICEABILITY LIMIT STATES	
Result combinations to design:	RC2 SLS - Characteristic Characteristic with direct load, k-t: 0.600, β: 0.500
Design Situation Settings for Serviceability Limit State Checks	
Load combination:	
Characteristic with direct load	Checks: k ₁ *f _{ck} , k ₂ *f _{ck} , k ₃ *f _{yk} , k ₄ *f _{yk} , w _k , u _l
Characteristic with imposed deformation	Checks: k ₁ *f _{ck} , k ₄ *f _{yk}
Frequent	Checks: w _k
Quasi-permanent	Checks: k ₂ *f _{ck} , w _k , u _l
Deformation Relative to:	Undeformed system

1.1 SETTINGS - NONLINEAR CALCULATION (STATE II)

Activate nonlinear calculation for ULTIMATE LIMIT state:	☐
Activate nonlinear calculation for SERVICEABILITY LIMIT state:	☐
Activate nonlinear calculation for fire resistance	☐

1.2 MATERIALS

Matl. No.	Material Description	Comment
3	Concrete C25/30 Reinforcing Steel B 500 S (A)	

1.2.1 MATERIAL PARAMETERS

Matl. No.	Description	Name	Size	Unit
3	Concrete Strength Class: Concrete C25/30			
	Characteristic Cylinder Compressive Strength	f _{ck}	25.000	N/mm ²
	Mean Cylinder Compressive Strength	f _{cm}	33.000	N/mm ²
	Mean Axial Tensile Strength	f _{ctm}	2.600	N/mm ²
	5 % Fractile of Axial Tensile Strength	f _{ctk,0.05}	1.800	N/mm ²
	95 % Fractile of Axial Tensile Strength	f _{ctk,0.95}	3.300	N/mm ²
	Mean Secant Modulus of Elasticity	E _{cm}	31000.000	N/mm ²
	Characteristic Strains for Nonlinear Calculations			
	Ultimate Strain for Pure Compression	ε _{c1}	-2.100	‰
	Ultimate Strain at Failure	ε _{cu1}	-3.500	‰
	Characteristic Strains for Parabolic-Rectangular Diagram			
	Ultimate Strain for Pure Compression	ε _{c2}	-2.000	‰
	Ultimate Strain at Failure	ε _{cu2}	-3.500	‰
	Parabola Exponent	n	2	
	Specific Weight	γ	24.52	kN/m ³
	Reinforcing Steel: B 500 S (A)			
	Modulus of Elasticity	E _s	200000	N/mm ²
	Characteristic Yield Stress	f _{yk}	500	N/mm ²
	Characteristic Tensile Strength	f _{tk}	525	N/mm ²
	Limiting Strain	ε _{uk}	25.000	‰

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1.3 CROSS-SECTIONS

Section No.	Matl. No.	Cross-Section Description	Notes	Comment
12	3	Rectangle 350/420	31)	
Notes:				
31) The cross-sections in program RFEM and module RF-CONCRETE are not identical				

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1.3 CREEP / SHRINKAGE

Cross. No.	Material No.	Description	Name	Size	Unit
12	3	Rectangle 350/420			
Counting Form					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.147	m ²
		Air Exposed Perimeter	u	1.540	m
		Effective component thickness	h_0	0.191	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
Result		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Defined creep coefficient	$\varphi(t, t_0)$	3.447	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.478	‰



1.4 RIBS

Member- No.	Cross-Section No.	Start	End	Surf. No.	Effective Width	Surf. No.	b-2 [m]	Notes
58	12	12	12	1	0.809	2	0.809	
76	12	12	12	4	0.939	21	0.939	

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1.4 CREEP / SHRINKAGE

Cross. No.	Material No.	Description	Name	Size	Unit
58	3	FBU 600/633.8/633.8/180/180/350			
Counting Form					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.438	m ²
		Air Exposed Perimeter	u	4.435	m
		Effective component thickness	h_0	0.198	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
Result		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Defined creep coefficient	$\varphi(t, t_0)$	3.429	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.473	‰
76	3	FBU 600/763.8/763.8/180/180/350			
Counting Form					
Input Data		Determination of creep coefficient		Age	
		Determination of the shrinkage strain		Age	
		Considered age of concrete (creep)	t_k	27393	Days
		Considered age of concrete (shrinkage)	t_s	27393	Days
		Effective component thickness			
		Cross-section surface	A_c	0.485	m ²
		Air Exposed Perimeter	u	4.955	m
		Effective component thickness	h_0	0.196	m
		Type of Cement	Cem. Type	N	
		Relative humidity	RH	50	%
		Age of concrete at beginning of shrinkage	t_s	28	Days
		Age of concrete at beginning of creep		Determine	
		Consider Temperature		No	
		Effective age (temperature)	t_T	7.000	Days
Result		Consider the type of cement		Yes	
		Age of concrete at beginning of creep	t_0	7.000	Days
		Defined creep coefficient	$\varphi(t, t_0)$	3.434	
		Defined shrinkage strain	$\varepsilon(t, t_s)$	-0.474	‰



1.5 SUPPORTS

Support No.	Node No.	Support Width b [mm]	Direct Support	Monolithic Connection	End Support	M-redistribution δ [-]	Comment
1	24	500.0	☒	☒	☐	1.00	
2	51	500.0	☒	☒	☐	1.00	
SETTINGS							
☒ Consideration of limited moment redistribution of the supporting moments							
☒ Reduction of the moments or dimensioning for the moments at the face of a monolithic support							
☒ Reduction of the shear forces in the support area according to 6.2.2							
☒ Reduction of the shear forces with concentrated load acc. to 6.2.2(6) and 6.2.3(8)							

1.6 REINFORCEMENT GROUP NO. 1

Applied to members:	58,76	
LONGITUDINAL REINFORCEMENT		
Possible diameters:	20.0, 22.0 mm	
Max. number of layers:	3	
Min. spacing for first layer:	20.0 mm	
Min. spacing for additional layers:	20.0 mm	
Type of anchorage:	Straight	
Steel surface:	Ribbed	
Reduction of reinforcement:	None	
SHEAR REINFORCEMENT		
Possible diameters:	10.0, 12.0 mm	
No. of stirrup legs:	2	
Inclination:	90°	
Type of anchorage:	Hook	
Stirrup layout:	Uniform spacing throughout	
REINFORCEMENT LAYOUT		
Concrete cover acc. to Standard	☒	
Concrete cover c-top:	37.0 mm	
Parameters for definition of the concrete cover		
Settings identical to cover	C+z (bottom)	
Concrete cover c-bottom:	37.0 mm	
Parameters for definition of the concrete cover		
Exposure Class acc. to 4.4.1.2(5)	XC1	
Abrasion Class acc. to 4.4.1.2(13)	No	
Design working life acc. to 4.4.1.2(5) Table 4.3N	50 Years	
Concrete Cast acc. to 4.4.1.3(4)	cast-in-place concrete	
Reinforcement type	Link	Longitudinal
Maximum diameter of reinforcement	12.0 mm	22.0 mm
Minimum cover due to bond requirement acc. to 4.4.1.2(3)	12.0 mm	22.0 mm
Minimum cover due to environmental conditions acc. to 4.4.1.2(5)	15.0 mm	15.0 mm
Additive safety element acc. to 4.4.1.2(6)	0.0 mm	0.0 mm
Minimum concrete cover acc. to 4.4.1.2(2)	15.0 mm	22.0 mm
Allowance for deviation acc. to 4.4.1.3	10.0 mm	10.0 mm
Nominal cover reinforcement, acc. to 4.4.1.1	25.0 mm	25.0 mm
Minimum cover of reinforcement	25.0 mm	37.0 mm
Air entrainment of more than 4% acc. to 4.4.1.2(5) Note 2.	☐	
Special quality control of the concrete production acc. to 4.4.1.2(5) Table 4.3N	☐	
Nominal maximum aggregate size greater than 32 mm, acc. to 4.4.1.2(3) Table 4.2	☐	
Concrete cover c-side:	37.0 mm	
Parameters for definition of the concrete cover		
Settings identical to cover	C+z (bottom)	
Reinforcement layout:	-z (top) - +z (bottom) (optimized distribution)	
Over complete width of cross-section:	☐	
Torsional reinforcement distributed circumferentially:	☐	
Relevant internal forces:	N, V-y, V-z, M-y, M-z	
MINIMUM REINFORCEMENT		
Min. reinforcement area (min. A-s,top):	0.00 cm²	
Min. reinforcement area (min. A-s,bottom):	0.00 cm²	
Min. longitudinal reinforcement acc. to Standard:	☒	
Min. shear reinforcement acc. to Standard:	☒	
Longitudinal reinforcement for shear force design:	Use required longitudinal reinforcement	
SHEAR JOINT		
Shear joint available:	☐	
Design of flange connections on segmented cross-sections	☐	
OPTIONS FOR EN 1992-1-1:2004/A1:2014		
Max. percentage of reinforcement:	8.00 %	
Neutral axis depth limitation	☒	
Partial safety factor Gamma-c	PT 1.50, AC 1.20, SLS 1.00	
Partial safety factor Gamma-s	PT 1.15, AC 1.00, SLS 1.00	
Reduction factor Alpha-cc	PT 1.00, AC 1.00, SLS 1.00	
Reduction factor Alpha-ct	PT 1.00, AC 1.00, SLS 1.00	
Min. inclination of concrete strut	21.80 °	
Max. inclination of concrete strut	45.00 °	
SERVICEABILITY		
Crack Analysis		
Limit values of allowable crack width $w_{k,max,-z}$ (top):	0.3 mm	
Limit values of allowable crack width $w_{k,max,+z}$ (bottom):	0.3 mm	
Design without direct crack width calculation:	☐	
Design with direct crack width calculation:	☒	
Use Eq. (7.14) for $s_{r,max}$:	☐	
Effective concrete tensile strength at time of cracking:	1.000 * f_{ctm}	
$A_{s,min}$ for effects due to restraint:	☒	
Stress Distribution Within the Section Prior to Cracking:	Depending on the defined load ($k_c = 0.0 \dots 1.0$)	
$A_{s,min}$ Layout:	-z (top) / +z (bottom)	
Crack formation within the first 28 days:	☐	
Stress Analysis		
Limitation of concrete Compressive stress σ_c :	☐	
Limitation of steel stress σ_s :	☒	



1.7 DEFLECTION DATA

No.	Reference to	Element No.	Reference Length Element	L [m]	Precamber w_0 [mm]	Limit value L / [-]	$u_{z,max}$ [mm]	Comment
1	Member	76	Distance between supports	7.510	0.0	250	30.0	
2	Member	58	Distance between supports	7.510	0.0	250	30.0	

2.3 REQUIRED REINFORCEMENT BY MEMBER

Reinforcement	Member No.	Location x [m]	Loading	Reinforcement Area	Unit	Error Message or Note
Member No. 58 - Rib FBU 600/633.8/633.8/180/180/350						
$A_{s,-z}$ (top)	58	0.000	RC1	16.53	cm ²	(28)
$A_{s,+z}$ (bottom)	58	0.000	RC1	13.23	cm ²	(29)
$A_{s,T}$	58	0.000	RC1	0.00	cm ²	
$a_{sw,V, stirrup}$	58	7.210	RC1	5.09	cm ² /m	(58)
$a_{sw,T, stirrup}$	58	0.000	RC1	0.00	cm ² /m	
Member No. 76 - Rib FBU 600/763.8/763.8/180/180/350						
$A_{s,-z}$ (top)	76	0.000	RC1	19.84	cm ²	(28) (30)
$A_{s,+z}$ (bottom)	76	0.000	RC1	16.53	cm ²	(29) (30)
$A_{s,T}$	76	0.000	RC1	0.00	cm ²	
$a_{sw,V, stirrup}$	76	7.210	RC1	6.12	cm ² /m	
$a_{sw,T, stirrup}$	76	0.000	RC1	0.00	cm ² /m	

3.1 PROVIDED LONGITUDINAL REINFORCEMENT

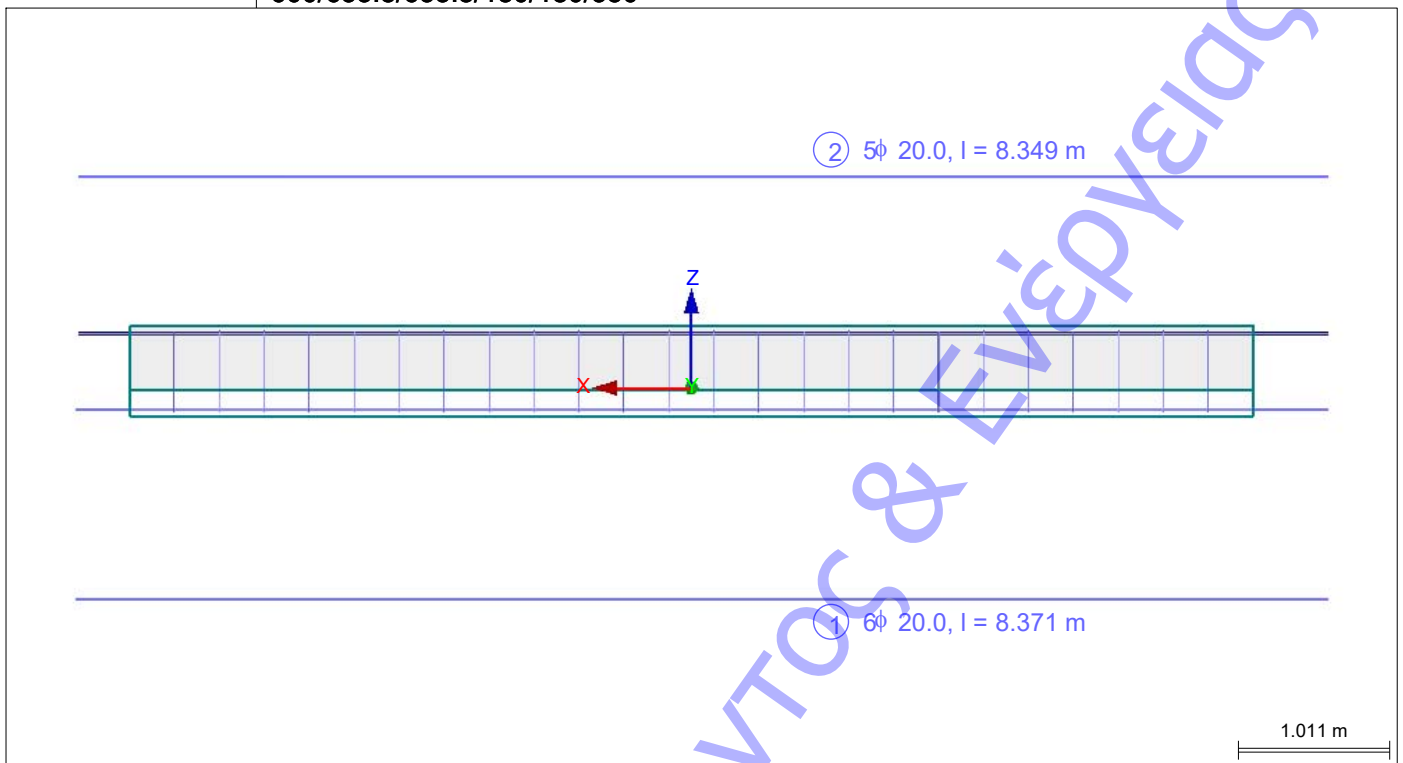
Item No.	Reinforcement Position	No. of Bars	d _s [mm]	A _s [cm²]	Length [m]	x-Location [m]		Weight [kg]	Notes
						from	to		
Member No.58 - Rib FBU 600/633.8/633.8/180/180/350									
1	-z (top)	6	20.0	18.85	8.371	-0.501	7.869	123.86	
2	+z (bottom)	5	20.0	15.71	8.349	-0.499	7.850	102.95	
Member No.76 - Rib FBU 600/763.8/763.8/180/180/350									
1	-z (top)	7	20.0	21.99	7.510	0.000	7.510	129.65	
2	+z (bottom)	6	20.0	18.85	7.930	-0.247	7.682	117.34	

3.1.1 PROVIDED LONGITUDINAL REINFORCEMENT - ANCHORAGE

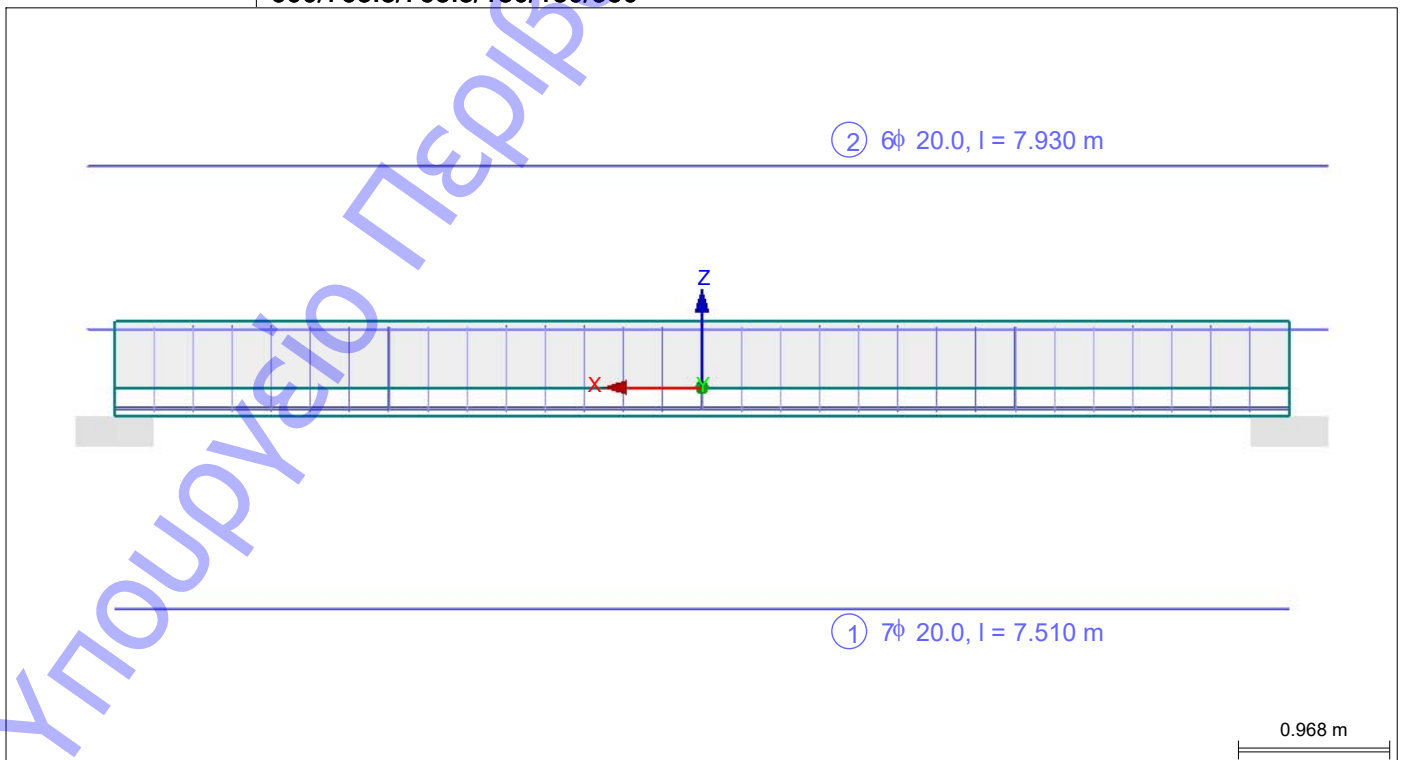
Item No.	Anchorage Type	Bond	l_{bd} [m]	l_1 [m]	l_2 [m]	Total [m]	d_{br} [m]
Member No. 58 - Rib FBU 600/633.8/633.8/180/180/350							
1 Start	Straight	poor	0.501	0.501	-	0.501	-
1 End	Straight	poor	0.359	0.359	-	0.359	-
2 Start	Straight	good	0.499	0.499	-	0.499	-
2 End	Straight	good	0.340	0.340	-	0.340	-
Member No. 76 - Rib FBU 600/763.8/763.8/180/180/350							
1 Start	Straight	poor	0.386	0.000	-	0.000	-
1 End	Straight	poor	0.363	0.000	-	0.000	-
2 Start	Straight	good	0.497	0.247	-	0.247	-
2 End	Straight	good	0.422	0.172	-	0.172	-



■ RF-CONCRETE MEMBERS - MEMBER NO. 58 - RIB FBU
600/633.8/633.8/180/180/350



■ RF-CONCRETE MEMBERS - MEMBER NO. 76 - RIB FBU
600/763.8/763.8/180/180/350

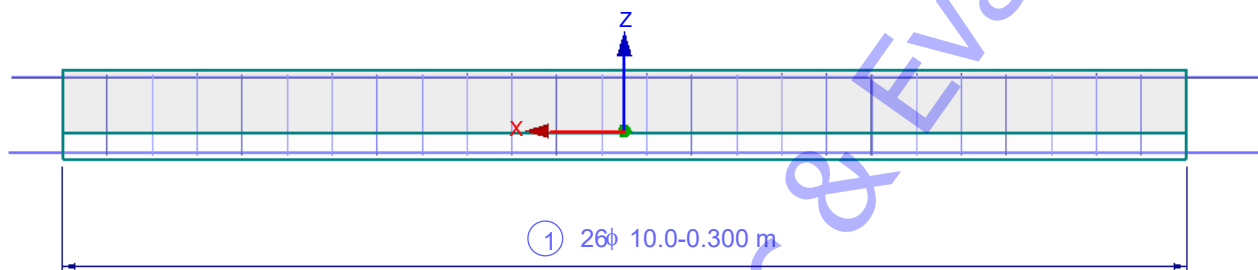




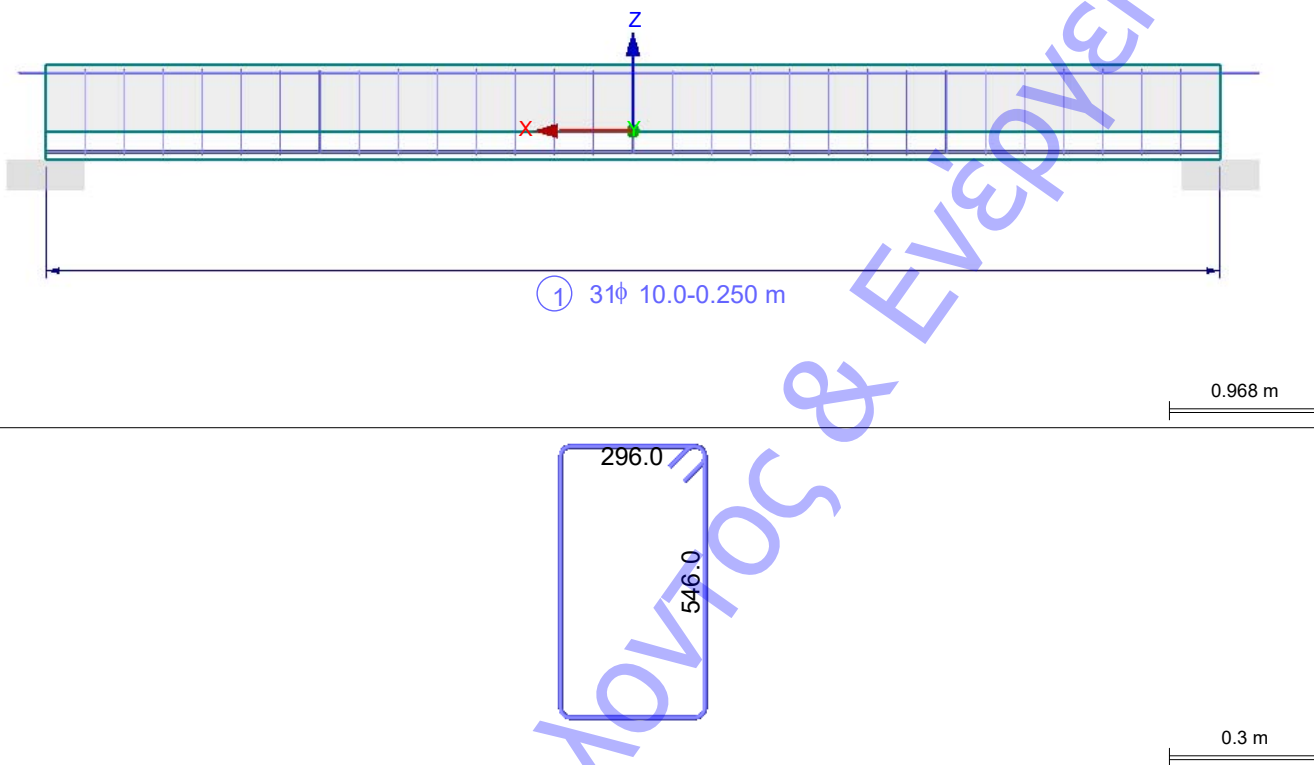
3.2 PROVIDED SHEAR REINFORCEMENT

Item No.	No. of stirrups	d _s [mm]	Length [m]	x-Location [m]		Spacing s _{ll} [m]	Stirrup Dimensions [mm]	No. of Legs	Weight [kg]	Notes
Member No. 58 - Rib FBU 600/633.8/633.8/180/180/350										
1	26	10.0	7.510	0.000	7.510	0.300	546.0/296.0/108.9	2	30.49	
Member No. 76 - Rib FBU 600/763.8/763.8/180/180/350										
2	31	10.0	7.510	0.000	7.510	0.250	546.0/296.0/108.9	2	36.35	

RF-CONCRETE MEMBERS - MEMBER NO. 58 - RIB FBU 600/633.8/633.8/180/180/350



RF-CONCRETE MEMBERS - MEMBER NO. 76 - RIB FBU 600/763.8/763.8/180/180/350



3.4 STEEL SCHEDULE

Item No.	Reinforcement Type	d_s [mm]	Surface	No. of Bars	Length [m]	Anchorage Type		Bending Diameter [m]	Weight [kg]
						Start	End		
Material No. 3 - Reinforcing Steel B 500 S (A)									
1	Length	20.0	Ribbed	6	8.371	Straight	Straight		123.86
2	Length	20.0	Ribbed	5	8.349	Straight	Straight		102.95
3	Length	20.0	Ribbed	7	7.510	Straight	Straight		129.65
4	Length	20.0	Ribbed	6	7.930	Straight	Straight		117.34
5	Stirrup	10.0	Ribbed	57	1.902	Hook	Hook	0.040	66.83
Total				81					540.63

4.3 SERVICEABILITY CHECK BY MEMBER

Member No.	Location x [m]	Loading	Type	Existing Value	Design Limit Value	Unit	Capacity	Note
Member No. 58 - Rib FBU 600/633.8/633.8/180/180/350								
58	3.905	RC2	$u_{z,local}$	11.8	30.0	mm	0.40	
58	0.000	RC2	σ_s	210.6	400.0	N/mm ²	0.53	
58	3.905	RC2	$A_{s,min}$	34.56	5.67	cm ²	0.17	
58	0.000	RC2	w_k	0.226	0.300	mm	0.76	
Member No. 76 - Rib FBU 600/763.8/763.8/180/180/350								
76	3.905	RC2	$u_{z,local}$	12.9	30.0	mm	0.44	
76	0.000	RC2	σ_s	230.9	400.0	N/mm ²	0.58	
76	3.605	RC2	$A_{s,min}$	40.84	5.99	cm ²	0.15	
76	0.000	RC2	w_k	0.262	0.300	mm	0.88	

NOTES

No.	Description
6)	Flexural compression reinforcement required - Top
25)	Min. reinforcement for compression members acc. to 9.5.2 (2)
26)	Minimum reinforcement for beams - Top acc. to 9.2.1.1 (1)
27)	Minimum reinforcement for beams - Bottom acc. to 9.2.1.1 (1)
28)	The top longitudinal reinforcement was increased for SLS
29)	Bottom longitudinal reinforcement was increased for SLS
30)	Moments taken at the support edge according to 5.3.2.2(4)
58)	Using the approximate value of lever z
69)	Min. shear reinforcement acc. to 9.2.2 (5)
115)	Min. shear reinforcement for beam acc. to 9.2.2
204)	Section is in compression. No cracking occurs.
215)	Concrete does not crack
334)	The effect of the bending moment M_z is not considered in the given deformation $u_{1,z}$.

Date: 2/3/2021
RF-CONCRETE
Columns
CA1

ΕΓΚΥΡΟ ΑΝΤΙΓΡΑΦΟ	A/A Πράξης: 355325
	Ημ/νία έκδοσης πράξης: 02/02/2022 ΕΛΕΓΧΟΣ ΕΓΚΥΡΟΤΗΤΑΣ https://apps.tee.gr/adeiapublic/faces/searchDocFile

Project:

Model: XWROS POLITISMOY SKLIBANH

Page: 437/456
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1.1 GENERAL DATA

Design according to Standard:	EN 1992-1-1:2004/A1:2014	
ULTIMATE LIMIT STATES		
Result combinations to design:	RC1	ULS (STR/GEO) - Permanent / transient - Eq. 6.10 Persistent and Transient
	RC6	SEISMOS Persistent and Transient
CREEP-PRODUCING PERMANENT LOAD		
Result combinations to design:	RC2	SLS - Characteristic

1.2 MATERIALS

Material No.	Material Description		Notes	Comment
	Concrete Strength Class	Reinforcing Steel		
3	Concrete C25/30	B 500 S (A)	2)	
4	Poplar and Softwood Timber C16	B 500 S (A)		
Notes:				
2) Upper limit of the concrete strength class has been exceeded!				

1.2.1 MATERIAL PARAMETERS

Material No.	Description	Name	Size	Unit
3	Concrete Strength Class: Concrete C25/30			
	Characteristic Cylinder Compressive Strength	f_{ck}	25.00	N/mm ²
	Mean Cylinder Compressive Strength	f_{cm}	33.00	N/mm ²
	Mean Axial Tensile Strength	f_{ctm}	2.60	N/mm ²
	5% Fractile of Axial Tensile Strength	$f_{ctk,0.05}$	1.80	N/mm ²
	95% Fractile of Axial Tensile Strength	$f_{ctk,0.95}$	3.30	N/mm ²
	Mean Secant Modulus of Elasticity	E_{cm}	31000.00	N/mm ²
	Characteristic Strains for Nonlinear Analysis			
	Ultimate Strain for Pure Compression	ϵ_{c1}	-2.10	‰
	Ultimate Strain at Failure	ϵ_{cu}	-3.50	‰
	Characteristic Strains for Parabolic-Rectangular Diagram			
	Ultimate Strain for Pure Compression	ϵ_{c2}	-2.00	‰
	Ultimate Strain at Failure	ϵ_{cu2}	-3.50	‰
	Ultimate Strain at Failure	ϵ_{c3}	-1.75	‰
	Ultimate Strain at Failure	ϵ_{cu3}	-3.50	‰
	Parabola Exponent	n	2.0000	
	Density Class	C_p	0.0000	
	Specific weight	γ	24.52	kN/m ³
	Reinforcing Steel: B 500 S (A)			
	Modulus of Elasticity	E_s	200000.00	N/mm ²
4	Characteristic Cylinder Compressive Strength	f_{ck}	0.00	N/mm ²
	Mean Cylinder Compressive Strength	f_{cm}	0.00	N/mm ²
	Mean Axial Tensile Strength	f_{ctm}	0.00	N/mm ²
	5% Fractile of Axial Tensile Strength	$f_{ctk,0.05}$	0.00	N/mm ²
	95% Fractile of Axial Tensile Strength	$f_{ctk,0.95}$	0.00	N/mm ²
	Mean Secant Modulus of Elasticity	E_{cm}	8000.00	N/mm ²
	Characteristic Strains for Nonlinear Analysis			
	Ultimate Strain for Pure Compression	ϵ_{c1}	0.00	‰
	Ultimate Strain at Failure	ϵ_{cu}	0.00	‰
	Characteristic Strains for Parabolic-Rectangular Diagram			
	Ultimate Strain for Pure Compression	ϵ_{c2}	0.00	‰
	Ultimate Strain at Failure	ϵ_{cu2}	0.00	‰
	Ultimate Strain at Failure	ϵ_{c3}	0.00	‰
	Ultimate Strain at Failure	ϵ_{cu3}	0.00	‰
	Parabola Exponent	n	0.0000	
	Density Class	C_p	0.0000	
	Specific weight	γ	3.63	kN/m ³
	Reinforcing Steel: B 500 S (A)			
	Modulus of Elasticity	E_s	200000.00	N/mm ²
	Characteristic Yield Strength	f_{yk}	500.00	N/mm ²
	Characteristic Tensile Strength	f_{tk}	525.00	N/mm ²
	Ultimate Strain	ϵ_{uk}	25.00	‰

1.3 CROSS-SECTIONS

Section No.	Material No.	Cross-Section Description	Notes	Comment
1	3	Rectangle 1200/300		
2	3	Rectangle 300/300		
3	3	Rectangle 400/300		
4	3	Rectangle 500/300		
5	3	Rectangle 300/1200		
6	3	Rectangle 750/300		
7	3	Rectangle 600/300		

1.4 REINFORCEMENT GROUP NO. 1

Applied to members:	4,5,8,12,13,16,18,28,30,32,34,36,38,40,42,44
LONGITUDINAL REINFORCEMENT	
Possible diameters:	16.0 mm,18.0 mm,20.0 mm
Reinforcement layout - Rectangular:	Uniformly surrounding



1.4 REINFORCEMENT GROUP NO. 1

Min. spacing for first layer:	20.0 mm
Type of anchorage:	Straight
Steel surface:	Ribbed
STIRRUPS	
Possible diameters:	10.0 mm
Number of legs - Rectangular:	2
Min. shear reinforcement A_{sw} :	According to Standard
Type of anchorage:	Hook
SECONDARY REINFORCEMENT	
Max. secondary reinforcement distance:	300.0 mm
CONCRETE COVER	
Concrete cover acc. to Standard	☒
Axial spacing concrete cover - Rectangle C_z :	45.0 mm
Parameters for definition of the concrete cover	
Settings identical to cover	C_y
Axial spacing concrete cover - Rectangle C_y :	45.0 mm
Parameters for definition of the concrete cover	
Exposure Class acc. to 4.4.1.2(5)	XC1
Abrasion Class acc. to 4.4.1.2(13)	No
Design working life acc. to 4.4.1.2(5) Table 4.3N	50 Years
Concrete Cast acc. to 4.4.1.3(4)	cast-in-place concrete
Air entrainment of more than 4% acc. to 4.4.1.2(5) Note 2.	☐
Special quality control of the concrete production acc. to 4.4.1.2(5) Table 4.3N	☐
Nominal maximum aggregate size greater than 32 mm, acc. to 4.4.1.2(3) Table 4.2	☐
Reinforcement type	Link Longitudinal
Maximum diameter of reinforcement	10.0 mm 20.0 mm
Minimum cover due to bond requirement acc. to 4.4.1.2(3)	10.0 mm 20.0 mm
Minimum cover due to environmental conditions acc. to 4.4.1.2(5)	15.0 mm 15.0 mm
Additive safety element acc. to 4.4.1.2(6)	0.0 mm 0.0 mm
Minimum concrete cover acc. to 4.4.1.2(2)	15.0 mm 20.0 mm
Allowance for deviation acc. to 4.4.1.3	10.0 mm 10.0 mm
Nominal cover reinforcement, acc. to 4.4.1.1	30.0 mm 35.0 mm
Minimum cover of reinforcement	30.0 mm 45.0 mm
Relevant internal forces:	N, V-y, V-z, M-y, M-z
OPTIONS FOR EN 1992-1-1:2004/A1:2014	
Maximum longitudinal reinforcement according to Standard	☒
Minimum longitudinal reinforcement according to Standard	☒
Partial safety factor according to Table 2.1N: γ_c :	1.5000
Partial safety factor according to Table 2.1N: γ_s	1.1500
Factor α_{cc} :	1.0000
Min. inclination of concrete strut:	21.801 °
Max. inclination of concrete strut:	45.000 °

1.5 PARAMETERS - BY MEMBER

Member No.	Cross-Section	Direction	Buckling Risk	System Unbraced	System Length [m]	Coefficient β	Effective Length [m] / Slenderness
4	6 - Rectangle 750/300	about axis y	+	-	3.650	0.5909	2.157 / 24.9
		about axis z	+	-	3.650	0.5909	2.157 / 10.0
5	2 - Rectangle 300/300	about axis y	+	-	3.650	0.5909	2.157 / 24.9
		about axis z	+	-	3.650	0.5909	2.157 / 24.9
8	3 - Rectangle 400/300	about axis y	+	-	3.650	0.5909	2.157 / 24.9
		about axis z	+	-	3.650	0.5909	2.157 / 18.7
12	1 - Rectangle 1200/300	about axis y	+	-	3.650	0.5909	2.157 / 24.9
		about axis z	+	-	3.650	0.5909	2.157 / 6.2
13	4 - Rectangle 500/300	about axis y	+	-	3.650	0.5909	2.157 / 24.9
		about axis z	+	-	3.650	0.5909	2.157 / 14.9
16	1 - Rectangle 1200/300	about axis y	+	-	3.650	0.5909	2.157 / 24.9
		about axis z	+	-	3.650	0.5909	2.157 / 6.2
18	5 - Rectangle 300/1200	about axis y	+	-	3.650	0.5909	2.157 / 6.2
		about axis z	+	-	3.650	0.5909	2.157 / 24.9
28	1 - Rectangle 1200/300	about axis y	+	+	3.650	1.2200	4.453 / 51.4
		about axis z	+	+	3.650	1.2200	4.453 / 12.9
30	2 - Rectangle 300/300	about axis y	+	-	3.650	0.5909	2.157 / 24.9
		about axis z	+	-	3.650	0.5909	2.157 / 24.9
32	3 - Rectangle 400/300	about axis y	+	-	3.650	0.5909	2.157 / 24.9
		about axis z	+	-	3.650	0.5909	2.157 / 18.7
34	3 - Rectangle 400/300	about axis y	+	-	3.650	0.5909	2.157 / 24.9
		about axis z	+	-	3.650	0.5909	2.157 / 18.7
36	1 - Rectangle 1200/300	about axis y	+	+	3.650	0.0000	0.000 / 0.0
		about axis z	+	+	3.650	1.2200	4.453 / 12.9
38	7 - Rectangle 600/300	about axis y	+	-	3.650	0.5909	2.157 / 24.9
		about axis z	+	-	3.650	0.5909	2.157 / 12.5
40	5 - Rectangle 300/1200	about axis y	+	-	3.650	0.5909	2.157 / 6.2
		about axis z	+	-	3.650	0.5909	2.157 / 24.9
42	1 - Rectangle 1200/300	about axis y	-	-	3.650	-	- / -
		about axis z	-	-	3.650	-	- / -
44	1 - Rectangle 1200/300	about axis y	+	-	3.650	0.5909	2.157 / 24.9
		about axis z	+	-	3.650	0.5909	2.157 / 6.2

2.1 CHECK OF MEMBERS

Member No.	Considerable Load Case	Ratio	Check Criterion	Comment
4	Cross-Section No. 6 - Rectangle 750/300	0.5838	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
4	Cross-Section No. 6 - Rectangle 750/300	0.6491	≤ 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
5	Cross-Section No. 2 - Rectangle 300/300	0.4437	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
5	Cross-Section No. 2 - Rectangle 300/300	0.0278	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
5	Cross-Section No. 2 - Rectangle 300/300	0.2671	≤ 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
8	Cross-Section No. 3 - Rectangle 400/300	0.5524	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
8	Cross-Section No. 3 - Rectangle 400/300	0.1032	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
8	Cross-Section No. 3 - Rectangle 400/300	0.3820	≤ 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
12	Cross-Section No. 1 - Rectangle 1200/300	1.0082	> 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
12	4) The provided safety is too small			
12	Cross-Section No. 1 - Rectangle 1200/300	0.0759	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
12	Cross-Section No. 1 - Rectangle 1200/300	1.8193	> 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
12	11) The design shear resistance $V_{Rd,c}$ without shear reinforcement according to Formula (6.2.a) is not sufficient.			
12	Cross-Section No. 1 - Rectangle 1200/300	0.2824	≤ 1	203) SHEAR CHECK ($V_{Ed} / V_{Rd,max} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.9)
12	Cross-Section No. 1 - Rectangle 1200/300	0.4621	≤ 1	204) SHEAR CHECK ($V_{Ed} / V_{Rd,s} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.8)
12	16) Min. Shear Reinforcement According to Par. 9.5.3 (3) Governing.			
13	Cross-Section No. 4 - Rectangle 500/300	0.9702	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
13	Cross-Section No. 4 - Rectangle 500/300	0.9570	≤ 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
16	Cross-Section No. 1 - Rectangle 1200/300	0.9954	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
16	Cross-Section No. 1 - Rectangle 1200/300	0.0472	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
16	Cross-Section No. 1 - Rectangle 1200/300	1.6025	> 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
16	11) The design shear resistance $V_{Rd,c}$ without shear reinforcement according to Formula (6.2.a) is not sufficient.			
16	Cross-Section No. 1 - Rectangle 1200/300	0.2616	≤ 1	203) SHEAR CHECK ($V_{Ed} / V_{Rd,max} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.9)
16	Cross-Section No. 1 - Rectangle 1200/300	0.4286	≤ 1	204) SHEAR CHECK ($V_{Ed} / V_{Rd,s} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.8)
16	16) Min. Shear Reinforcement According to Par. 9.5.3 (3) Governing.			
18	Cross-Section No. 5 - Rectangle 300/1200	0.7841	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
18	Cross-Section No. 5 - Rectangle 300/1200	0.1875	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
18	Cross-Section No. 5 - Rectangle 300/1200	1.4433	> 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
18	11) The design shear resistance $V_{Rd,c}$ without shear reinforcement according to Formula (6.2.a) is not sufficient.			
18	Cross-Section No. 5 - Rectangle 300/1200	0.2842	≤ 1	203) SHEAR CHECK ($V_{Ed} / V_{Rd,max} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.9)
18	Cross-Section No. 5 - Rectangle 300/1200	0.4650	≤ 1	204) SHEAR CHECK ($V_{Ed} / V_{Rd,s} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.8)
18	16) Min. Shear Reinforcement According to Par. 9.5.3 (3) Governing.			
28	Cross-Section No. 1 - Rectangle 1200/300	1.0041	> 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
28	4) The provided safety is too small			
28	Cross-Section No. 1 - Rectangle 1200/300	1.4113	> 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
28	11) The design shear resistance $V_{Rd,c}$ without shear reinforcement according to Formula (6.2.a) is not sufficient.			
28	Cross-Section No. 1 - Rectangle 1200/300	0.2520	≤ 1	203) SHEAR CHECK ($V_{Ed} / V_{Rd,max} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.9)
28	Cross-Section No. 1 - Rectangle 1200/300	0.4143	≤ 1	204) SHEAR CHECK ($V_{Ed} / V_{Rd,s} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.8)
28	16) Min. Shear Reinforcement According to Par. 9.5.3 (3) Governing.			
30	Cross-Section No. 2 - Rectangle 300/300	0.3944	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
30	Cross-Section No. 2 - Rectangle 300/300	0.0519	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
30	Cross-Section No. 2 - Rectangle 300/300	0.3635	≤ 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
32	Cross-Section No. 3 - Rectangle 400/300	0.5215	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
32	Cross-Section No. 3 - Rectangle 400/300	0.0457	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
32	Cross-Section No. 3 - Rectangle 400/300	0.4632	≤ 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
34	Cross-Section No. 3 - Rectangle 400/300	0.4512	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
34	Cross-Section No. 3 - Rectangle 400/300	0.0597	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
34	Cross-Section No. 3 - Rectangle 400/300	0.3384	≤ 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
36	Cross-Section No. 1 - Rectangle 1200/300	0.9750	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
36	Cross-Section No. 1 - Rectangle 1200/300	0.0469	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
36	Cross-Section No. 1 - Rectangle 1200/300	1.2438	> 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
36	11) The design shear resistance $V_{Rd,c}$ without shear reinforcement according to Formula (6.2.a) is not sufficient.			
36	Cross-Section No. 1 - Rectangle 1200/300	0.1347	≤ 1	203) SHEAR CHECK ($V_{Ed} / V_{Rd,max} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.9)
36	Cross-Section No. 1 - Rectangle 1200/300	0.2726	≤ 1	204) SHEAR CHECK ($V_{Ed} / V_{Rd,s} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.8)



2.1 CHECK OF MEMBERS

Member No.	Considerable Load Case	Check Ratio	Criterion	Comment
38	16) Min. Shear Reinforcement According to Par. 9.5.3 (3) Governing.			
	Cross-Section No. 7 - Rectangle 600/300	0.5955	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
38	Cross-Section No. 7 - Rectangle 600/300	0.0586	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
38	Cross-Section No. 7 - Rectangle 600/300	0.4756	≤ 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
40	Cross-Section No. 5 - Rectangle 300/1200	0.9358	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
40	Cross-Section No. 5 - Rectangle 300/1200	0.2113	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
40	Cross-Section No. 5 - Rectangle 300/1200	1.7336	> 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
	11) The design shear resistance $V_{Rd,c}$ without shear reinforcement according to Formula (6.2.a) is not sufficient.			
40	Cross-Section No. 5 - Rectangle 300/1200	0.3436	≤ 1	203) SHEAR CHECK ($V_{Ed} / V_{Rd,max} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.9)
40	Cross-Section No. 5 - Rectangle 300/1200	0.5621	≤ 1	204) SHEAR CHECK ($V_{Ed} / V_{Rd,s} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.8)
42	16) Min. Shear Reinforcement According to Par. 9.5.3 (3) Governing.			
	Cross-Section No. 1 - Rectangle 1200/300	0.8186	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
42	Cross-Section No. 1 - Rectangle 1200/300	0.0593	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
42	Cross-Section No. 1 - Rectangle 1200/300	1.0326	> 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)
	11) The design shear resistance $V_{Rd,c}$ without shear reinforcement according to Formula (6.2.a) is not sufficient.			
42	Cross-Section No. 1 - Rectangle 1200/300	0.1625	≤ 1	203) SHEAR CHECK ($V_{Ed} / V_{Rd,max} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.9)
42	Cross-Section No. 1 - Rectangle 1200/300	0.2678	≤ 1	204) SHEAR CHECK ($V_{Ed} / V_{Rd,s} \leq 1$) ACCORDING TO 6.2.3 (3) WITH (6.8)
44	16) Min. Shear Reinforcement According to Par. 9.5.3 (3) Governing.			
	Cross-Section No. 1 - Rectangle 1200/300	0.7685	≤ 1	100) CHECK OF CRITICAL CROSS-SECTION OF MODEL COLUMN ACC. TO 5.8.8
44	Cross-Section No. 1 - Rectangle 1200/300	0.0340	≤ 1	201) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (2) WITH (6.4)
44	Cross-Section No. 1 - Rectangle 1200/300	0.8933	≤ 1	202) SHEAR CHECK ($V_{Ed} / V_{Rd,c} \leq 1$) ACCORDING TO 6.2.2 (1) WITH (6.2.a)

3.2 REQUIRED REINFORCEMENT BY MEMBER

Member No.	Reinforcement Type	Location x [m]	LC / CO RC	Reinforcement Area	Unit	Error or notice
4	Rectangle 750/300	0.152		As	8.49	cm ²
4	Rectangle 750/300	-	-	a _{sw}	5.24	cm ² /m
Slenderness About Axis y						λ_y 24.9048
Effective Length						$l_{0,y}$ 2.157 m
Buckling Coefficient						β_y 0.591
Geometrical Length						l_y 3.650 m
Slenderness About Axis z						λ_z 9.9619
Effective Length						$l_{0,z}$ 2.157 m
Buckling Coefficient						β_z 0.591
Geometrical Length						l_z 3.650 m
Condition of standard design fulfilled?						Yes
Moments According to First Order Theory						
Design Normal Force						N _{Ed} -45.633 kN
Moment About Axis y						M _{Ed,1,y} 28.391 kNm
Moment About Axis z						M _{Ed,1,z} 132.187 kNm
5	Rectangle 300/300	0.152		As	3.20	cm ²
5	Rectangle 300/300	-	-	a _{sw}	5.24	cm ² /m
Slenderness About Axis y						λ_y 24.9048
Effective Length						$l_{0,y}$ 2.157 m
Buckling Coefficient						β_y 0.591
Geometrical Length						l_y 3.650 m
Slenderness About Axis z						λ_z 24.9048
Effective Length						$l_{0,z}$ 2.157 m
Buckling Coefficient						β_z 0.591
Geometrical Length						l_z 3.650 m
Condition of standard design fulfilled?						Yes
Moments According to First Order Theory						
Design Normal Force						N _{Ed} -2.433 kN
Moment About Axis y						M _{Ed,1,y} 5.063 kNm
Moment About Axis z						M _{Ed,1,z} 18.728 kNm
8	Rectangle 400/300	3.650	RC6	As	4.12	cm ²
8	Rectangle 400/300	-	-	a _{sw}	5.24	cm ² /m
Slenderness About Axis y						λ_y 24.9048
Effective Length						$l_{0,y}$ 2.157 m
Buckling Coefficient						β_y 0.591
Geometrical Length						l_y 3.650 m
Slenderness About Axis z						λ_z 18.6786
Effective Length						$l_{0,z}$ 2.157 m
Buckling Coefficient						β_z 0.591
Geometrical Length						l_z 3.650 m



3.2 REQUIRED REINFORCEMENT BY MEMBER

Member No.	Reinforcement Type	Location x [m]	LC / CO RC	Reinforcement		Error or notice	
				Area	Unit		
Condition of standard design fulfilled?							Yes
Moments According to First Order Theory							
	Design Normal Force			N_{Ed}		-217.933	kN
	Moment About Axis y			$M_{Ed,1,y}$		28.312	kNm
	Moment About Axis z			$M_{Ed,1,z}$		53.650	kNm
12	Rectangle 1200/300 Longitudinal	0.152		As	26.60	cm ²	The provided safety is too small
12	Rectangle 1200/300 Shear	0.152		a _{sw}	5.24	cm ² /m	
Governing Load							RC6
Load							max M _{res}
Governing Internal Forces							
	At Location			x		0.152	m
	Normal Force			N		16.460	kN
	Moment About y-Axis			M _y		33.148	kNm
	Moment About z-Axis			M _z		619.255	kNm
	Shear Force in y-Direction			V _y		199.930	kN
	Shear Force in z-Direction			V _z		23.596	kN
	Slenderness About Axis y			λ _y		24.9048	
	Effective Length			l _{0,y}		2.157	m
	Buckling Coefficient			β _y		0.591	
	Geometrical Length			l _y		3.650	m
	Slenderness About Axis z			λ _z		6.2262	
	Effective Length			l _{0,z}		2.157	m
	Buckling Coefficient			β _z		0.591	
	Geometrical Length			l _z		3.650	m
Condition of standard design fulfilled?							Yes
Moments According to First Order Theory							
	Design Normal Force			N_{Ed}		16.460	kN
	Moment About Axis y			$M_{Ed,1,y}$		33.237	kNm
	Moment About Axis z			$M_{Ed,1,z}$		619.344	kNm
13	Rectangle 500/300 Longitudinal	0.152		As	11.89	cm ²	
13	Rectangle 500/300 Shear	-	-	a _{sw}	5.24	cm ² /m	
	Slenderness About Axis y			λ _y		24.9048	
	Effective Length			l _{0,y}		2.157	m
	Buckling Coefficient			β _y		0.591	
	Geometrical Length			l _y		3.650	m
	Slenderness About Axis z			λ _z		14.9429	
	Effective Length			l _{0,z}		2.157	m
	Buckling Coefficient			β _z		0.591	
	Geometrical Length			l _z		3.650	m
Condition of standard design fulfilled?							Yes
Moments According to First Order Theory							
	Design Normal Force			N_{Ed}		142.769	kN
	Moment About Axis y			$M_{Ed,1,y}$		11.862	kNm
	Moment About Axis z			$M_{Ed,1,z}$		82.239	kNm
16	Rectangle 1200/300 Longitudinal	0.152		As	24.48	cm ²	
16	Rectangle 1200/300 Shear	0.152		a _{sw}	5.24	cm ² /m	
Governing Load							RC6
Load							max M _{res}
Governing Internal Forces							
	At Location			x		0.152	m
	Normal Force			N		-41.525	kN
	Moment About y-Axis			M _y		35.897	kNm
	Moment About z-Axis			M _z		594.640	kNm
	Shear Force in y-Direction			V _y		196.387	kN
	Shear Force in z-Direction			V _z		27.115	kN
	Slenderness About Axis y			λ _y		24.9048	
	Effective Length			l _{0,y}		2.157	m
	Buckling Coefficient			β _y		0.591	
	Geometrical Length			l _y		3.650	m
	Slenderness About Axis z			λ _z		6.2262	
	Effective Length			l _{0,z}		2.157	m
	Buckling Coefficient			β _z		0.591	
	Geometrical Length			l _z		3.650	m
Condition of standard design fulfilled?							Yes
Moments According to First Order Theory							
	Design Normal Force			N_{Ed}		-41.525	kN
	Moment About Axis y			$M_{Ed,1,y}$		36.121	kNm
	Moment About Axis z			$M_{Ed,1,z}$		594.864	kNm
18	Rectangle 300/1200 Longitudinal	0.152		As	12.99	cm ²	
18	Rectangle 300/1200 Shear	0.152		a _{sw}	5.24	cm ² /m	
Governing Load							RC6
Load							max M _{res}
Governing Internal Forces							
	At Location			x		0.152	m
	Normal Force			N		-344.145	kN
	Moment About y-Axis			M _y		-484.765	kNm
	Moment About z-Axis			M _z		23.375	kNm
	Shear Force in y-Direction			V _y		13.012	kN
	Shear Force in z-Direction			V _z		213.857	kN

Date: 2/3/2021

Project:

Model: XWROS POLITISMOY SKLIBANH

3.2 REQUIRED REINFORCEMENT BY MEMBER

Member No.	Reinforcement Type	Location x [m]	LC / CO RC	Reinforcement			Error or notice
				Area	Unit		
Slenderness About Axis y							
	Effective Length					λ_y 6.2262	
	Buckling Coefficient					$l_{0,y}$ 2.157 m	
	Geometrical Length					l_y 0.591	
Slenderness About Axis z							
	Effective Length					λ_z 24.9048	
	Buckling Coefficient					$l_{0,z}$ 2.157 m	
	Geometrical Length					β_z 0.591	
						l_z 3.650 m	
Condition of standard design fulfilled?							
Moments According to First Order Theory							
	Design Normal Force					N_{Ed} -344.145 kN	
	Moment About Axis y					$M_{Ed,1,y}$ -486.621 kNm	
	Moment About Axis z					$M_{Ed,1,z}$ -44.931 kNm	
28	Rectangle 1200/300						
	Longitudinal	0.152		As	19.81	cm ²	
28	Rectangle 1200/300						
	Shear	0.152		a _{sw}	5.24	cm ² /m	
The provided safety is too small							
Governing Load							
	Load					RC6	
	Governing Internal Forces					max M _{res}	
	At Location					x 0.152 m	
	Normal Force					N -51.228 kN	
	Moment About y-Axis					M _y 50.276 kNm	
	Moment About z-Axis					M _z 472.512 kNm	
	Shear Force in y-Direction					V _y 163.160 kN	
	Shear Force in z-Direction					V _z 17.807 kN	
Slenderness About Axis y							
	Effective Length					λ_y 51.4188	
	Buckling Coefficient					$l_{0,y}$ 4.453 m	
	Geometrical Length					β_y 1.220	
						l_y 3.650 m	
Slenderness About Axis z							
	Effective Length					λ_z 12.8547	
	Buckling Coefficient					$l_{0,z}$ 4.453 m	
	Geometrical Length					β_z 1.220	
						l_z 3.650 m	
Condition of standard design fulfilled?							
Moments According to First Order Theory							
	Design Normal Force					N_{Ed} -51.228 kN	
	Moment About Axis y					$M_{Ed,1,y}$ 50.846 kNm	
	Moment About Axis z					$M_{Ed,1,z}$ 473.082 kNm	
30	Rectangle 300/300						
	Longitudinal	0.000	RC1	As	1.80	cm ²	
30	Rectangle 300/300						
	Shear	-	-	a _{sw}	5.24	cm ² /m	
32	Rectangle 400/300						
	Longitudinal	3.650	RC6	As	5.62	cm ²	
32	Rectangle 400/300						
	Shear	-	-	a _{sw}	5.24	cm ² /m	
Governing minimum reinforcement for determining the required reinforcement							
Slenderness About Axis y							
	Effective Length					λ_y 24.9048	
	Buckling Coefficient					$l_{0,y}$ 2.157 m	
	Geometrical Length					β_y 0.591	
						l_y 3.650 m	
Slenderness About Axis z							
	Effective Length					λ_z 18.6786	
	Buckling Coefficient					$l_{0,z}$ 2.157 m	
	Geometrical Length					β_z 0.591	
						l_z 3.650 m	
Condition of standard design fulfilled?							
Moments According to First Order Theory							
	Design Normal Force					N_{Ed} -39.406 kN	
	Moment About Axis y					$M_{Ed,1,y}$ -4.414 kNm	
	Moment About Axis z					$M_{Ed,1,z}$ 46.687 kNm	
34	Rectangle 400/300						
	Longitudinal	0.152		As	2.53	cm ²	
34	Rectangle 400/300						
	Shear	-	-	a _{sw}	5.24	cm ² /m	
Slenderness About Axis y							
	Effective Length					λ_y 24.9048	
	Buckling Coefficient					$l_{0,y}$ 2.157 m	
	Geometrical Length					β_y 0.591	
						l_y 3.650 m	
Slenderness About Axis z							
	Effective Length					λ_z 18.6786	
	Buckling Coefficient					$l_{0,z}$ 2.157 m	
	Geometrical Length					β_z 0.591	
						l_z 3.650 m	
Condition of standard design fulfilled?							
Moments According to First Order Theory							
	Design Normal Force					N_{Ed} -215.273 kN	
	Moment About Axis y					$M_{Ed,1,y}$ 19.358 kNm	
	Moment About Axis z					$M_{Ed,1,z}$ 49.364 kNm	
36	Rectangle 1200/300						
	Longitudinal	0.152		As	19.30	cm ²	
36	Rectangle 1200/300						
	Shear	0.152		a _{sw}	5.24	cm ² /m	
Governing Load							
	Load					RC6	
	Governing Internal Forces					max M _{res}	
	At Location					x 0.152 m	
	Normal Force					N -25.527 kN	



3.2 REQUIRED REINFORCEMENT BY MEMBER

Member No.	Reinforcement Type	Location x [m]	LC / CO RC	Reinforcement			Error or notice
				Area	Unit		
	Moment About y-Axis					M_y	55.802 kNm
	Moment About z-Axis					M_z	439.627 kNm
	Shear Force in y-Direction					V_y	141.611 kN
	Shear Force in z-Direction					V_z	23.790 kN
	Slenderness About Axis y					λ_y	0.0000
	Effective Length					$l_{0,y}$	0.000 m
	Buckling Coefficient					β_y	0.000
	Geometrical Length					l_y	3.650 m
	Slenderness About Axis z					λ_z	12.8547
	Effective Length					$l_{0,z}$	4.453 m
	Buckling Coefficient					β_z	1.220
	Geometrical Length					l_z	3.650 m
	Condition of standard design fulfilled?						Yes
	Moments According to First Order Theory						
	Design Normal Force					N_{Ed}	-25.527 kN
	Moment About Axis y					$M_{Ed,1,y}$	55.802 kNm
	Moment About Axis z					$M_{Ed,1,z}$	439.911 kNm
38	Rectangle 600/300						
	Longitudinal	0.152		As	5.90	cm ²	
38	Rectangle 600/300						
	Shear	-	-	a_{sw}	5.24	cm ² /m	
	Slenderness About Axis y					λ_y	24.9048
	Effective Length					$l_{0,y}$	2.157 m
	Buckling Coefficient					β_y	0.591
	Geometrical Length					l_y	3.650 m
	Slenderness About Axis z					λ_z	12.4524
	Effective Length					$l_{0,z}$	2.157 m
	Buckling Coefficient					β_z	0.591
	Geometrical Length					l_z	3.650 m
	Condition of standard design fulfilled?						Yes
	Moments According to First Order Theory						
	Design Normal Force					N_{Ed}	-181.868 kN
	Moment About Axis y					$M_{Ed,1,y}$	35.791 kNm
	Moment About Axis z					$M_{Ed,1,z}$	96.224 kNm
40	Rectangle 300/1200						
	Longitudinal	0.152	RC6	As	20.36	cm ²	
40	Rectangle 300/1200						
	Shear	0.152	RC6	a_{sw}	5.24	cm ² /m	
	Governing Load						
	Load						RC6
	Governing Internal Forces						max M_y
	At Location					x	0.152 m
	Normal Force					N	-391.082 kN
	Moment About y-Axis					M_y	662.511 kNm
	Moment About z-Axis					M_z	29.670 kNm
	Shear Force in y-Direction					V_y	16.624 kN
	Shear Force in z-Direction					V_z	199.535 kN
	Slenderness About Axis y					λ_y	6.2262
	Effective Length					$l_{0,y}$	2.157 m
	Buckling Coefficient					β_y	0.591
	Geometrical Length					l_y	3.650 m
	Slenderness About Axis z					λ_z	24.9048
	Effective Length					$l_{0,z}$	2.157 m
	Buckling Coefficient					β_z	0.591
	Geometrical Length					l_z	3.650 m
	Condition of standard design fulfilled?						Yes
	Moments According to First Order Theory						
	Design Normal Force					N_{Ed}	-391.082 kN
	Moment About Axis y					$M_{Ed,1,y}$	664.619 kNm
	Moment About Axis z					$M_{Ed,1,z}$	31.779 kNm
42	Rectangle 1200/300						
	Longitudinal	0.152		As	15.76	cm ²	
42	Rectangle 1200/300						
	Shear	0.152		a_{sw}	5.24	cm ² /m	
	Governing Load						
	Load						RC6
	Governing Internal Forces						max M_{res}
	At Location					x	0.152 m
	Normal Force					N	-34.160 kN
	Moment About y-Axis					M_y	46.423 kNm
	Moment About z-Axis					M_z	375.820 kNm
	Shear Force in y-Direction					V_y	118.181 kN
	Shear Force in z-Direction					V_z	22.072 kN
	Slenderness About Axis y					λ_y	0.0000
	No stability check in this direction according to user specification						
	Slenderness About Axis z					λ_z	0.0000
	No stability check in this direction according to user specification						
	Condition of standard design fulfilled?						Yes
	Moments According to First Order Theory						
	Design Normal Force					N_{Ed}	-34.160 kN
	Moment About Axis y					$M_{Ed,1,y}$	46.423 kNm
	Moment About Axis z					$M_{Ed,1,z}$	375.820 kNm
44	Rectangle 1200/300						
	Longitudinal	0.152		As	14.60	cm ²	
44	Rectangle 1200/300						
	Shear	-	-	a_{sw}	5.24	cm ² /m	



3.2 REQUIRED REINFORCEMENT BY MEMBER

Member No.	Reinforcement Type	Location x [m]	LC / CO RC	Reinforcement Area	Unit	Error or notice
Slenderness About Axis y						λ_y 24.9048
Effective Length						$l_{0,y}$ 2.157 m
Buckling Coefficient						β_y 0.591
Geometrical Length						l_y 3.650 m
Slenderness About Axis z						λ_z 6.2262
Effective Length						$l_{0,z}$ 2.157 m
Buckling Coefficient						β_z 0.591
Geometrical Length						l_z 3.650 m
Condition of standard design fulfilled?						Yes
Moments According to First Order Theory						
Design Normal Force						N_{Ed} -51.045 kN
Moment About Axis y						$M_{Ed,y}$ 39.496 kNm
Moment About Axis z						$M_{Ed,z}$ 366.813 kNm

4.1 PROVIDED LONGITUDINAL REINFORCEMENT

Section	Item No.	Number of Bars	d _s [mm]	Location x [m]		Anchorage	Message
				from	to		
1	Member No. 4 - Rectangle 750/300						
	1	8	16.0	-0.357	4.007	☒	
1	Member No. 5 - Rectangle 300/300						
	2	4	16.0	-0.269	3.919	☒	
1	Member No. 8 - Rectangle 400/300						
	3	6	16.0	-0.231	3.881	☒	
1	Member No. 12 - Rectangle 1200/300						
	4	14	16.0	-0.639	4.289	☒	
1	Member No. 13 - Rectangle 500/300						
	5	6	16.0	-0.666	4.316	☒	
1	Member No. 16 - Rectangle 1200/300						
	6	10	18.0	-0.732	4.382	☒	
1	Member No. 18 - Rectangle 300/1200						
	7	10	16.0	-0.437	4.087	☒	
1	Member No. 28 - Rectangle 1200/300						
	8	10	16.0	-0.666	4.316	☒	
1	Member No. 30 - Rectangle 300/300						
	9	4	16.0	-0.160	3.810	☒	
1	Member No. 32 - Rectangle 400/300						
	10	6	16.0	-0.315	3.965	☒	
1	Member No. 34 - Rectangle 400/300						
	9	6	16.0	-0.160	3.810	☒	
1	Member No. 36 - Rectangle 1200/300						
	11	10	16.0	-0.649	4.299	☒	
1	Member No. 38 - Rectangle 600/300						
	12	6	16.0	-0.331	3.981	☒	
1	Member No. 40 - Rectangle 300/1200						
	13	12	16.0	-0.571	4.221	☒	
1	Member No. 42 - Rectangle 1200/300						
	14	10	16.0	-0.530	4.180	☒	
1	Member No. 44 - Rectangle 1200/300						
	15	10	16.0	-0.491	4.141	☒	

4.2 PROVIDED SHEAR REINFORCEMENT

Section	Item No.	Number of Stirrups	d _s [mm]	Location x [m]		Spacing s _{sw} [mm]	Number of Legs	Message
				from	to			
1	Member No. 4 - Rectangle 750/300							
	16	5	10.0	0.135	0.855	180.0	2	
	2	16	6	10.0	0.855	2.655	300.0	2
3	16	4	10.0	2.655	3.375	180.0	2	
1	Member No. 5 - Rectangle 300/300							
	17	3	10.0	0.135	0.495	180.0	2	
	2	17	9	10.0	0.495	3.195	300.0	2
3	17	1	10.0	3.195	3.375	180.0	2	
1	Member No. 8 - Rectangle 400/300							
	18	3	10.0	0.135	0.495	180.0	2	
	2	18	8	10.0	0.495	2.895	300.0	2
3	18	3	10.0	2.895	3.435	180.0	2	
1	Member No. 12 - Rectangle 1200/300							
	19	3	10.0	0.135	0.495	180.0	2	
	2	19	8	10.0	0.495	2.895	300.0	2
3	19	3	10.0	2.895	3.435	180.0	2	



4.2 PROVIDED SHEAR REINFORCEMENT

Section	Item No.	Number of Stirrups	d _s [mm]	Location x [m]		Spacing s _{sw} [mm]	Number of Legs	Message
				from	to			
1	19	8	10.0	0.135	1.395	180.0	2	
2	19	3	10.0	1.395	2.295	300.0	2	
3	19	6	10.0	2.295	3.375	180.0	2	
Member No. 13 - Rectangle 500/300								
1	20	4	10.0	0.135	0.675	180.0	2	
2	20	7	10.0	0.675	2.775	300.0	2	
3	20	4	10.0	2.775	3.495	180.0	2	
Member No. 16 - Rectangle 1200/300								
1	21	8	10.0	0.135	1.395	180.0	2	
2	21	3	10.0	1.395	2.295	300.0	2	
3	21	6	10.0	2.295	3.375	180.0	2	
Member No. 18 - Rectangle 300/1200								
1	22	8	10.0	0.135	1.395	180.0	2	
2	22	3	10.0	1.395	2.295	300.0	2	
3	22	6	10.0	2.295	3.375	180.0	2	
Member No. 28 - Rectangle 1200/300								
1	19	8	10.0	0.135	1.395	180.0	2	
2	19	3	10.0	1.395	2.295	300.0	2	
3	19	6	10.0	2.295	3.375	180.0	2	
Member No. 30 - Rectangle 300/300								
1	17	3	10.0	0.135	0.495	180.0	2	
2	17	9	10.0	0.495	3.195	300.0	2	
3	17	1	10.0	3.195	3.375	180.0	2	
Member No. 32 - Rectangle 400/300								
1	18	3	10.0	0.135	0.495	180.0	2	
2	18	8	10.0	0.495	2.895	300.0	2	
3	18	3	10.0	2.895	3.435	180.0	2	
Member No. 34 - Rectangle 400/300								
1	18	3	10.0	0.135	0.495	180.0	2	
2	18	8	10.0	0.495	2.895	300.0	2	
3	18	3	10.0	2.895	3.435	180.0	2	
Member No. 36 - Rectangle 1200/300								
1	19	8	10.0	0.135	1.395	180.0	2	
2	19	3	10.0	1.395	2.295	300.0	2	
3	19	6	10.0	2.295	3.375	180.0	2	
Member No. 38 - Rectangle 600/300								
1	23	5	10.0	0.135	0.855	180.0	2	
2	23	7	10.0	0.855	2.955	300.0	2	
3	23	3	10.0	2.955	3.495	180.0	2	
Member No. 40 - Rectangle 300/1200								
1	22	8	10.0	0.135	1.395	180.0	2	
2	22	3	10.0	1.395	2.295	300.0	2	
3	22	6	10.0	2.295	3.375	180.0	2	
Member No. 42 - Rectangle 1200/300								
1	19	8	10.0	0.170	1.430	180.0	2	
2	19	3	10.0	1.430	2.330	300.0	2	
3	19	6	10.0	2.330	3.410	180.0	2	
Member No. 44 - Rectangle 1200/300								
1	19	8	10.0	0.170	1.430	180.0	2	
2	19	3	10.0	1.430	2.330	300.0	2	
3	19	6	10.0	2.330	3.410	180.0	2	



RECTOR/IN/EEAS/0113/ΥΠΟΓΕΙΩΣ/31/Ε7

Ημ/νία έκδοσης πρόξης: 02/02/2022

ΕΛΕΓΧΟΣ ΕΓΚΥΡΟΤΗΤΑΣ

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■ 4.3 STEEL SCHEDULE

Item No.	Reinforcement Type	d _s [mm]	Surface Type	No. of Bars	Length [m]	Anchorage Type		Bending Diameter [mm]	Weight [kg]	Message
Material No. 3 - Reinforcing Steel B 500 S (A)										
1	Longitudinal	16.0	Ribbed	8	4.364	Straight	Straight		55.10	
2	Longitudinal	16.0	Ribbed	4	4.187	Straight	Straight		26.44	
3	Longitudinal	16.0	Ribbed	6	4.112	Straight	Straight		38.94	
4	Longitudinal	16.0	Ribbed	14	4.928	Straight	Straight		108.90	
5	Longitudinal	16.0	Ribbed	6	4.983	Straight	Straight		47.19	
6	Longitudinal	18.0	Ribbed	10	5.114	Straight	Straight		102.15	
7	Longitudinal	16.0	Ribbed	10	4.524	Straight	Straight		71.40	
8	Longitudinal	16.0	Ribbed	10	4.982	Straight	Straight		78.64	
9	Longitudinal	16.0	Ribbed	10	3.970	Straight	Straight		62.66	
10	Longitudinal	16.0	Ribbed	6	4.280	Straight	Straight		40.53	
11	Longitudinal	16.0	Ribbed	10	4.948	Straight	Straight		78.10	
12	Longitudinal	16.0	Ribbed	6	4.311	Straight	Straight		40.83	
13	Longitudinal	16.0	Ribbed	12	4.792	Straight	Straight		90.75	
14	Longitudinal	16.0	Ribbed	10	4.710	Straight	Straight		74.35	
15	Longitudinal	16.0	Ribbed	10	4.632	Straight	Straight		73.12	
16	Shear	10.0	Ribbed	15	2.004	Hook	Hook		18.53	
17	Shear	10.0	Ribbed	26	1.104	Hook	Hook		17.70	
18	Shear	10.0	Ribbed	42	1.304	Hook	Hook		33.77	
19	Shear	10.0	Ribbed	85	2.904	Hook	Hook		152.19	
20	Shear	10.0	Ribbed	15	1.504	Hook	Hook		13.91	
21	Shear	10.0	Ribbed	17	2.912	Hook	Hook		30.52	
22	Shear	10.0	Ribbed	34	2.904	Hook	Hook		60.87	
23	Shear	10.0	Ribbed	15	1.704	Hook	Hook		15.76	
Sum				381					1332.34	

1.1.1 GENERAL DATA

Members to design:	175,177-180,184,185,187,188,242-247
Design according to Standard:	EN 1995-1-1:2004/A2:2014
Ultimate Limit State Design Result combinations to design:	RC1 ULS (STR/GEO) - Permanent / transient - Eq. 6.10
Serviceability Limit State Design Result combinations to design:	RC2 SLS - Characteristic

1.2 MATERIALS

Matl. No.	Description	Factor Category	Comment
4	Poplar and Softwood Timber C16 EN 1995-1-1	Solid Timber	

1.3.1 CROSS-SECTIONS

Sect. No.	Matl. No.	Cross-section Description [mm]	Max Design Ratio	Comment
9	4	T-Rectangle 70/140	0.81	
10	4	T-Rectangle 100/200	0.31	

1.4 LOAD DURATION AND SERVICE CLASS

LC/CO/RC	LC, CO or RC Description	Load Case Type	Classification of Load Duration
LC1	Self-weight	Permanent	Permanent
LC2	epikalipseis	Permanent/Imposed	Permanent
LC3	eksteriki toixopoiia	Permanent/Imposed	Medium-term
LC4	esoteriki toixopoiia	Permanent/Imposed	Permanent
LC5	Imposed load	Imposed - Category A: domestic, residential areas	Medium-term
LC6	Snow	Snow ($H \leq 1000$ m a.s.l.)	Short-term
LC7	Wind in +X	Wind	Short-term
LC8	Wind in +Y	Wind	Short-term
CO1	1.35*LC1 + 1.35*LC2 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	-	Short-term
CO2	1.35*LC1 + 1.35*LC2 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	-	Short-term
CO3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	-	Short-term
CO4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	-	Short-term
CO5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	-	Short-term
CO6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	-	Short-term
CO7	1.35*LC1 + 1.35*LC2 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	-	Short-term
CO8	1.35*LC1 + 1.35*LC2 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	-	Short-term
CO9	1.35*LC1 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	-	Short-term
CO10	1.35*LC1 + 1.35*LC3 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	-	Short-term
CO11	1.35*LC1 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	-	Short-term
CO12	1.35*LC1 + 1.35*LC3 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	-	Short-term
CO13	1.35*LC1 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC7	-	Short-term
CO14	1.35*LC1 + 1.35*LC4 + 1.5*LC5 + 0.75*LC6 + 0.9*LC8	-	Short-term
CO15	LC1 + LC2 + LC5 + 0.5*LC6 + 0.6*LC7	-	Short-term
CO16	LC1 + LC2 + LC5 + 0.5*LC6 + 0.6*LC8	-	Short-term
CO17	LC1 + LC2 + LC3 + LC5 + 0.5*LC6 + 0.6*LC7	-	Short-term
CO18	LC1 + LC2 + LC3 + LC5 + 0.5*LC6 + 0.6*LC8	-	Short-term
CO19	LC1 + LC2 + LC3 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	-	Short-term
CO20	LC1 + LC2 + LC3 + LC4 + LC5 + 0.5*LC6 + 0.6*LC8	-	Short-term
CO21	LC1 + LC2 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	-	Short-term
CO22	LC1 + LC2 + LC4 + LC5 + 0.5*LC6 + 0.6*LC8	-	Short-term
CO23	LC1 + LC3 + LC5 + 0.5*LC6 + 0.6*LC7	-	Short-term
CO24	LC1 + LC3 + LC5 + 0.5*LC6 + 0.6*LC8	-	Short-term
CO25	LC1 + LC3 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	-	Short-term
CO26	LC1 + LC3 + LC4 + LC5 + 0	-	Short-term



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1.4 LOAD DURATION AND SERVICE CLASS

LC/CO/ RC	LC, CO or RC Description	Load Case Type	Classification of Load Duration
CO27	0.5*LC6 + 0.6*LC8 LC1 + LC4 + LC5 + 0.5*LC6 + 0.6*LC7	-	Short-term
CO28	LC1 + LC4 + LC5 + 0.5*LC6 + 0.6*LC8	-	Short-term

Service Class SECL

Service Class 2:

Identical for All Members/Sets
of Members

1.5 EFFECTIVE LENGTHS - MEMBERS

Member	Buckling	Buckling About Axis y			Buckling About Axis z			Lateral-Torsional Buckling		
No.	Possible	Possible	$k_{cr,y}$	$L_{cr,y}$ [m]	Possible	$k_{cr,z}$	$L_{cr,z}$ [m]	Possible	Define L_{cr} / M_{cr}	L_{cr} [m] / M_{cr} [kNm]
175	☒	☒	1.000	1.007	☒	0.300	0.302	☒	As member length	1.007
177	☒	☒	1.000	1.007	☒	0.300	0.302	☒	As member length	1.007
178	☒	☒	1.000	1.007	☒	0.300	0.302	☒	As member length	1.007
179	☒	☒	1.000	1.007	☒	0.300	0.302	☒	As member length	1.007
180	☒	☒	1.000	1.007	☒	0.300	0.302	☒	As member length	1.007
184	☒	☒	1.000	2.147	☒	0.300	0.644	☒	As member length	2.147
185	☒	☒	1.000	2.107	☒	0.300	0.632	☒	As member length	2.107
187	☒	☒	1.000	2.147	☒	0.300	0.644	☒	As member length	2.147
188	☒	☒	1.000	2.107	☒	0.300	0.632	☒	As member length	2.107
242	☒	☒	1.000	3.755	☒	1.000	3.755	☒	As member length	3.755
243	☒	☒	1.000	2.147	☒	1.000	2.147	☒	As member length	2.147
244	☒	☒	1.000	2.107	☒	1.000	2.107	☒	As member length	2.107
245	☒	☒	1.000	3.755	☒	1.000	3.755	☒	As member length	3.755
246	☒	☒	1.000	2.147	☒	1.000	2.147	☒	As member length	2.147
247	☒	☒	1.000	2.107	☒	1.000	2.107	☒	As member length	2.107

1.9 SERVICEABILITY

No.	Reference to	Members/Sets No.	Reference Length		Direct.	Precamber		Beam Type
			Manually	L [m]		$w_{c,y}$ [mm]	$w_{c,z}$ [mm]	
1	Member	110	☐	2.147	y; z	0.0	0.0	Beam
2	Member	112	☐	2.107	y; z	0.0	0.0	Beam
3	Member	113	☐	1.422	y; z	0.0	0.0	Beam
4	Member	114	☐	1.407	y; z	0.0	0.0	Beam
5	Member	115	☐	4.232	y; z	0.0	0.0	Beam
6	Member	116	☐	2.116	y; z	0.0	0.0	Beam
7	Member	118	☐	1.422	y; z	0.0	0.0	Beam
8	Member	119	☐	1.058	y; z	0.0	0.0	Beam
9	Member	120	☐	1.422	y; z	0.0	0.0	Beam
10	Member	122	☐	3.174	y; z	0.0	0.0	Beam
11	Member	125	☐	2.116	y; z	0.0	0.0	Beam
12	Member	127	☐	1.407	y; z	0.0	0.0	Beam
13	Member	128	☐	1.058	y; z	0.0	0.0	Beam
14	Member	130	☐	1.407	y; z	0.0	0.0	Beam
15	Member	131	☐	3.174	y; z	0.0	0.0	Beam
16	Member	134	☐	3.221	y; z	0.0	0.0	Beam
17	Member	136	☐	2.147	y; z	0.0	0.0	Beam
18	Member	138	☐	1.074	y; z	0.0	0.0	Beam
19	Member	140	☐	3.161	y; z	0.0	0.0	Beam
20	Member	142	☐	2.107	y; z	0.0	0.0	Beam
21	Member	144	☐	1.054	y; z	0.0	0.0	Beam
22	Member	146	☐	4.294	y; z	0.0	0.0	Beam
23	Member	149	☐	1.284	y; z	0.0	0.0	Beam
24	Member	151	☐	1.729	y; z	0.0	0.0	Beam
25	Member	152	☐	1.832	y; z	0.0	0.0	Beam
26	Member	154	☐	1.097	y; z	0.0	0.0	Beam
27	Member	155	☐	1.082	y; z	0.0	0.0	Beam
28	Member	157	☐	1.729	y; z	0.0	0.0	Beam
29	Member	161	☐	1.729	y; z	0.0	0.0	Beam
30	Member	162	☐	1.832	y; z	0.0	0.0	Beam
31	Member	165	☐	1.729	y; z	0.0	0.0	Beam
32	Member	166	☐	1.832	y; z	0.0	0.0	Beam
33	Member	169	☐	1.729	y; z	0.0	0.0	Beam
34	Member	170	☐	1.832	y; z	0.0	0.0	Beam
35	Member	173	☐	1.284	y; z	0.0	0.0	Beam
36	Member	174	☐	4.294	y; z	0.0	0.0	Beam
37	Member	176	☐	4.215	y; z	0.0	0.0	Beam
38	Member	181	☐	2.147	y; z	0.0	0.0	Beam
39	Member	182	☐	2.107	y; z	0.0	0.0	Beam
40	Member	184	☐	2.147	y; z	0.0	0.0	Beam
41	Member	185	☐	2.107	y; z	0.0	0.0	Beam
42	Member	187	☐	2.147	y; z	0.0	0.0	Beam
43	Member	188	☐	2.107	y; z	0.0	0.0	Beam
44	Member	190	☐	2.147	y; z	0.0	0.0	Beam
45	Member	191	☐	2.107	y; z	0.0	0.0	Beam
46	Member	193	☐	3.360	y; z	0.0	0.0	Beam
47	Member	195	☐	1.680	y; z	0.0	0.0	Beam
48	Member	196	☐	1.097	y; z	0.0	0.0	Beam
49	Member	198	☐	2.520	y; z	0.0	0.0	Beam
50	Member	201	☐	0.840	y; z	0.0	0.0	Beam
51	Member	202	☐	1.097	y; z	0.0	0.0	Beam
52	Member	204	☐	1.845	y; z	0.0	0.0	Beam
53	Member	206	☐	1.082	y; z	0.0	0.0	Beam
54	Member	207	☐	2.601	y; z	0.0	0.0	Beam
55	Member	210	☐	1.096	y; z	0.0	0.0	Beam
56	Member	212	☐	1.082	y; z	0.0	0.0	Beam
57	Member	213	☐	1.832	y; z	0.0	0.0	Beam
58	Member	214	☐	1.938	y; z	0.0	0.0	Beam
59	Member	216	☐	1.284	y; z	0.0	0.0	Beam
60	Member	217	☐	2.801	y; z	0.0	0.0	Beam
61	Member	220	☐	1.078	y; z	0.0	0.0	Beam
62	Member	222	☐	1.284	y; z	0.0	0.0	Beam

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1.9 SERVICEABILITY

No.	Reference to	Members/Sets No.	Reference Length		Direct.	Precamber		Beam Type
			Manually	L [m]		w _{c,y} [mm]	w _{c,z} [mm]	
63	Member	223	☐	1.074	y; z	0.0	0.0	Beam
64	Member	225	☐	2.147	y; z	0.0	0.0	Beam
65	Member	227	☐	3.221	y; z	0.0	0.0	Beam
66	Member	229	☐	2.147	y; z	0.0	0.0	Beam
67	Member	231	☐	1.284	y; z	0.0	0.0	Beam
68	Member	232	☐	1.074	y; z	0.0	0.0	Beam
69	Member	234	☐	1.284	y; z	0.0	0.0	Beam
70	Member	235	☐	3.221	y; z	0.0	0.0	Beam

2.4 DESIGN BY MEMBER

Member No.	Location x [m]	LC/CO/RC	Design	Design No.	Description
175	Cross-section No. 9 - T-Rectangle 70/140				
	0.000	CO14	0.07 ≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	0.000	CO4	0.16 ≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	1.007	CO8	0.04 ≤ 1	112)	Cross-section resistance - Shear due to shear force Vy acc. to 6.1.7
	0.000	CO1	0.55 ≤ 1	121)	Cross-section resistance - Shear due to torsion acc. to 6.1.8
	0.000	CO12	0.14 ≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	0.000	CO6	0.64 ≤ 1	173)	Cross-section resistance - Biaxial bending and compression acc. to 6.2.4
	0.000	CO12	0.21 ≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
177	Cross-section No. 9 - T-Rectangle 70/140				
	0.000	CO6	0.08 ≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	0.503	CO8	0.01 ≤ 1	112)	Cross-section resistance - Shear due to shear force Vy acc. to 6.1.7
	1.007	CO5	0.03 ≤ 1	121)	Cross-section resistance - Shear due to torsion acc. to 6.1.8
	0.503	CO8	0.10 ≤ 1	173)	Cross-section resistance - Biaxial bending and compression acc. to 6.2.4
	0.503	CO8	0.21 ≤ 1	333)	Member with biaxial bending and compression acc. to 6.3.2 - Buckling about both axes
	0.503	CO8	0.13 ≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
	0.503	CO8	0.13 ≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
178	Cross-section No. 9 - T-Rectangle 70/140				
	0.000	CO6	0.06 ≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	1.007	CO5	0.00 ≤ 1	121)	Cross-section resistance - Shear due to torsion acc. to 6.1.8
	0.504	CO6	0.17 ≤ 1	173)	Cross-section resistance - Biaxial bending and compression acc. to 6.2.4
	0.504	CO6	0.29 ≤ 1	333)	Member with biaxial bending and compression acc. to 6.3.2 - Buckling about both axes
	0.504	CO8	0.15 ≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
179	Cross-section No. 9 - T-Rectangle 70/140				
	0.503	CO14	0.07 ≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	0.000	CO5	0.06 ≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	1.007	CO5	0.00 ≤ 1	112)	Cross-section resistance - Shear due to shear force Vy acc. to 6.1.7
	1.007	CO5	0.01 ≤ 1	121)	Cross-section resistance - Shear due to torsion acc. to 6.1.8
	0.503	CO12	0.09 ≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	0.503	CO6	0.19 ≤ 1	173)	Cross-section resistance - Biaxial bending and compression acc. to 6.2.4
	0.503	CO12	0.16 ≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	0.503	CO6	0.31 ≤ 1	333)	Member with biaxial bending and compression acc. to 6.3.2 - Buckling about both axes
	0.503	CO6	0.16 ≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
180	Cross-section No. 9 - T-Rectangle 70/140				
	0.503	CO8	0.13 ≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	1.007	CO8	0.26 ≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	0.000	CO12	0.00 ≤ 1	112)	Cross-section resistance - Shear due to shear force Vy acc. to 6.1.7
	0.000	CO7	0.03 ≤ 1	121)	Cross-section resistance - Shear due to torsion acc. to 6.1.8
	0.503	CO8	0.23 ≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	1.007	CO8	0.69 ≤ 1	173)	Cross-section resistance - Biaxial bending and compression acc. to 6.2.4
	0.503	CO8	0.34 ≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	1.007	CO8	0.81 ≤ 1	333)	Member with biaxial bending and compression acc. to 6.3.2 - Buckling about both axes
	1.007	CO8	0.58 ≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
184	Cross-section No. 10 - T-Rectangle 100/200				
	0.000	CO3	0.08 ≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	0.000	CO3	0.15 ≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7

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2.4 DESIGN BY MEMBER

Member No.	Location x [m]	LC/CO/RC	Design		Design No.	Description
	0.000	CO4	0.17	≤ 1	171)	6.1.7 Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	0.000	CO4	0.25	≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	0.000	CO4	0.10	≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
	0.000	CO15	0.00	≤ 1	400)	Serviceability - Negligible deformations
	1.431	CO21	0.12	≤ 1	401)	Serviceability - Design situation Characteristic acc. to 7.2 - Inner span, z-direction
	0.716	CO23	0.00	≤ 1	406)	Serviceability - Design situation Characteristic acc. to 7.2 - Inner span, y-direction
185	Cross-section No. 10 - T-Rectangle 100/200					
	0.000	CO5	0.08	≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	0.000	CO4	0.15	≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	0.000	CO3	0.16	≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	0.000	CO3	0.24	≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	0.000	CO3	0.10	≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
	0.000	CO15	0.00	≤ 1	400)	Serviceability - Negligible deformations
	1.405	CO22	0.11	≤ 1	401)	Serviceability - Design situation Characteristic acc. to 7.2 - Inner span, z-direction
	0.702	CO19	0.00	≤ 1	406)	Serviceability - Design situation Characteristic acc. to 7.2 - Inner span, y-direction
187	Cross-section No. 10 - T-Rectangle 100/200					
	1.431	CO7	0.07	≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	0.000	CO3	0.15	≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	2.147	CO8	0.13	≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	0.000	CO4	0.17	≤ 1	173)	Cross-section resistance - Biaxial bending and compression acc. to 6.2.4
	2.147	CO8	0.20	≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	0.000	CO4	0.25	≤ 1	333)	Member with biaxial bending and compression acc. to 6.3.2 - Buckling about both axes
	0.000	CO4	0.10	≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
	0.000	CO15	0.00	≤ 1	400)	Serviceability - Negligible deformations
	1.431	CO21	0.12	≤ 1	401)	Serviceability - Design situation Characteristic acc. to 7.2 - Inner span, z-direction
	0.716	CO20	0.01	≤ 1	406)	Serviceability - Design situation Characteristic acc. to 7.2 - Inner span, y-direction
188	Cross-section No. 10 - T-Rectangle 100/200					
	0.000	CO8	0.08	≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	0.000	CO3	0.15	≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	0.000	CO3	0.16	≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	0.000	CO3	0.24	≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	0.000	CO3	0.10	≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
	0.000	CO15	0.00	≤ 1	400)	Serviceability - Negligible deformations
	1.405	CO22	0.12	≤ 1	401)	Serviceability - Design situation Characteristic acc. to 7.2 - Inner span, z-direction
	0.702	CO19	0.01	≤ 1	406)	Serviceability - Design situation Characteristic acc. to 7.2 - Inner span, y-direction
242	Cross-section No. 10 - T-Rectangle 100/200					
	1.502	CO7	0.05	≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	3.755	CO8	0.01	≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	1.502	CO7	0.02	≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	0.000	CO7	0.30	≤ 1	303)	Compression member with axial compression acc. to 6.3.2 - Buckling about both axes
	1.502	CO7	0.31	≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	1.502	CO7	0.30	≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
243	Cross-section No. 10 - T-Rectangle 100/200					
	0.000	CO3	0.03	≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	0.000	CO8	0.14	≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	2.147	CO3	0.14	≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	2.147	CO3	0.17	≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	0.000	CO4	0.07	≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
244	Cross-section No. 10 - T-Rectangle 100/200					
	0.000	CO3	0.03	≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	0.000	CO7	0.14	≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	2.107	CO3	0.14	≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4



■ 2.4 DESIGN BY MEMBER

Member No.	Location x [m]	LC/CO/RC	Design		Design No.	Description
	1.604	CO9	0.01	≤ 1	303)	Compression member with axial compression acc. to 6.3.2 - Buckling about both axes
	2.107	CO3	0.17	≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	0.000	CO3	0.07	≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
245	Cross-section No. 10 - T-Rectangle 100/200					
	1.502	CO8	0.05	≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	3.755	CO8	0.01	≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	1.502	CO7	0.02	≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	0.000	CO8	0.30	≤ 1	303)	Compression member with axial compression acc. to 6.3.2 - Buckling about both axes
	1.502	CO8	0.31	≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	1.502	CO8	0.30	≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
246	Cross-section No. 10 - T-Rectangle 100/200					
	0.000	CO5	0.03	≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	0.000	CO8	0.14	≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	0.000	CO8	0.12	≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	2.147	CO4	0.14	≤ 1	173)	Cross-section resistance - Biaxial bending and compression acc. to 6.2.4
	0.000	CO8	0.15	≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	2.147	CO4	0.17	≤ 1	333)	Member with biaxial bending and compression acc. to 6.3.2 - Buckling about both axes
	0.000	CO8	0.07	≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis
247	Cross-section No. 10 - T-Rectangle 100/200					
	0.000	CO6	0.03	≤ 1	102)	Cross-section resistance - Compression along the grain acc. to 6.1.4
	0.000	CO7	0.14	≤ 1	111)	Cross-section resistance - Shear due to shear force Vz acc. to 6.1.7
	2.107	CO3	0.14	≤ 1	171)	Cross-section resistance - Uniaxial bending about y-axis and compression acc. to 6.2.4
	1.604	CO12	0.01	≤ 1	303)	Compression member with axial compression acc. to 6.3.2 - Buckling about both axes
	2.107	CO3	0.17	≤ 1	323)	Member with bending and compression acc. to 6.3.2 - Buckling about both axes
	0.000	CO5	0.07	≤ 1	341)	Flexural member with compression force acc. to 6.3.3 - Bending about y-axis

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■ 1.1 GLOBAL DATA

Activities	☒ Modal analysis (eigenvectors) ☒ Mass combinations ☒ Forced vibrations ☒ Response spectra ☐ Accelerograms ☐ Time diagrams ☐ Equivalent static force analysis
Setting	Gravity acceleration : 9.8066 m/s ²

■ 1.2.1 MASS CASES - GENERAL

No.	Mass Case Description	Parameters
MC1	G+0,3Q	Mass Case Type : Permanent Masses ☒ : From force components of Load Combination C031

■ 1.2.7.3 NEGLECT MASSES - MEMBERS

No.	List of Members	Direction of Mass						Comment
		m _x	m _y	m _z	m _{φx}	m _{φy}	m _{φz}	
1	1-3,7,9-11,15,17,19,21-23,27,29,31, 33,35,37,39,41,43,45-62	☐	☐	☐	☒	☐	☐	

■ 1.2.7.4 NEGLECT MASSES - SURFACES

No.	List of Surfaces	Direction of Mass						Comment
		m_x	m_y	m_z	$m_{\phi x}$	$m_{\phi y}$	$m_{\phi z}$	
1	1-3,7-20	☒	☒	☒	☐	☐	☐	

■ 1.3.1 MASS COMBINATIONS - GENERAL

No.	Mass Combination Description	Parameters		
MCO1	G+0,3Q	Mass Cases Comment	1.00	MC1 - G+0,3Q

■ 1.4.1 NATURAL VIBRATION CASE - GENERAL

NVC Case	Natural Vibration Case Description	Parameters
NVC1	G+0,3Q	Number of Smallest Eigenvalues : 40 Acting Masses : MCO1 - G+0,3Q Masses considered in : ☒ X-direction ☒ Y-direction

■ 1.4.2 NATURAL VIBRATION CASE - CALCULATION PARAMETERS

NVC Case	Natural Vibration Case Description	Calculation Parameters	
NVC1	G+0.3Q	Type of Mass Matrix	: Diagonal matrix (translational DOFs)
		Scaling Vibration Mode Shapes	: Max {u} = 1
		Method for Solving Eigenvalues	: Lanczos

■ 1.5.1 RESPONSE SPECTRA - GENERAL

RS Case	Response Spectra Description	Definition Type	Comment
RS1		According to Standard: EN 1998-1:2010 - European Union National Annex: CEN - European Union	

■ 1.5.2 RESPONSE SPECTRA - STANDARD PARAMETERS

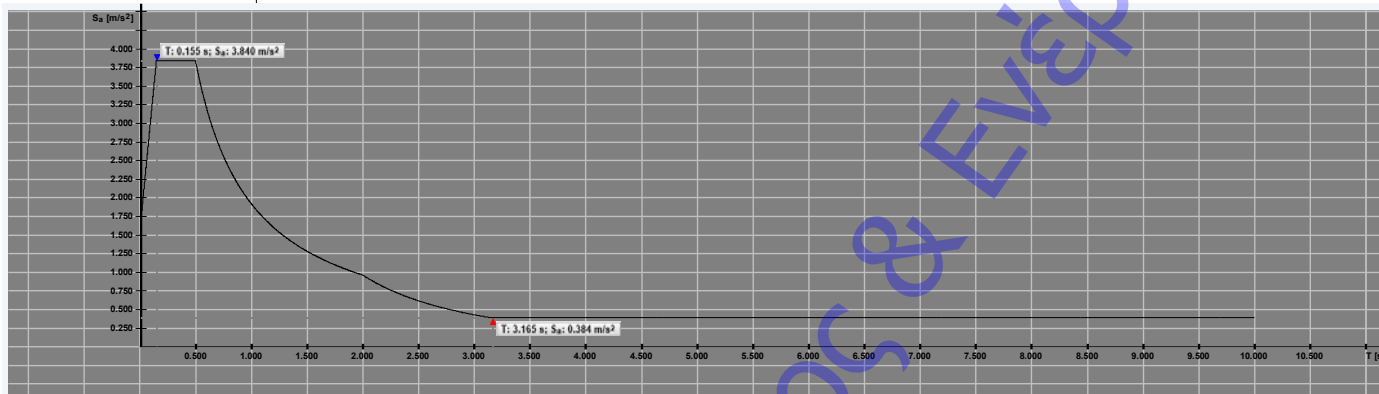
No.	Response Spectrum Description	Mass Case Parameters
RS1	Type of Spectrum	Design spectrum for linear calculation
	Type of Spectrum	1
	Spectrum direction	Horizontal spectrum
	Earthquake action	
	Reference peak ground acceleration	a_{gR} : 1.6000
	Importance factor	γ_I : 1.2
	Design ground acceleration	a_g : 1.9200
	Parameter for description of response spectrum	
	Ground type	B
	Soil factor	S : 1.2000
	Lower limit of area of constant spectral acceleration (horizontal)	T_{B-H} : 0.1500
	Upper limit of area of constant spectral acceleration (horizontal)	T_{C-H} : 0.5000

1.5.2 RESPONSE SPECTRA - STANDARD PARAMETERS

No.	Response Spectrum Description	Mass Case Parameters
		Value defining the beginning of area of constant displacements of spectrum (horizontal) $T_{D-H} : 2.0000$
	Factors	
	Behavior factor	$q : 1.5000$
	Limit value for horizontal design spectrum	$\beta : 0.2000$

1.5.3.1 RESPONSE SPECTRA - GRAPH

RS1



1.8.1 DYNAMIC LOAD CASES - GENERAL

DLC Case	Dynamic Load Cases Description	Parameters
DLC1		Method Type : Response spectrum analysis (response spectrum required)
		Assign Natural Vibration : Natural Vibration Case: G+0,3Q

1.8.2.1 DYNAMIC LOAD CASES - RESPONSE SPECTRUM ANALYSIS

DLC Case	Dynamic Load Cases Description	Parameters
DLC1		Assign Response Spectrum - Supports ☒ On all supports identically Assign response spectrum: Response Spectrum in Direction Multiplication factor ☒ x: RS1 - 1.000 ☒ y: RS1 - 1.000 Rotate a_x a_y about Z: $\alpha = 0.00$ [°] Combination Rules: Modal response combination rule: ☒ SRSS ☐ CQC Combination of directional components: ☐ SRSS ☒ 100 / 30 % ☐ 100 / 40 % Options ☒ Use equivalent linear combination Generate: ☒ Create result combination Number of first generated result combination: 4

1.8.2.2 DYNAMIC LOAD CASES - RESPONSE SPECTRUM ANALYSIS - MODE SHAPES TO GENERATE

DLC Case	Dynamic Load Cases Description	Mode No.	To generate	Frequency ω [rad/s]	Frequency f [Hz]	Period T [s]	Acceleration S_a [m/s²]
DLC1		1	☒	15.522	2.470	0.405	3.840
		2	☒	15.596	2.482	0.403	3.840
		3	☒	15.624	2.487	0.402	3.840
		4	☒	15.847	2.522	0.396	3.840
		5	☒	16.086	2.560	0.391	3.840
		6	☒	16.250	2.586	0.387	3.840

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1.8.2.2 DYNAMIC LOAD CASES - RESPONSE SPECTRUM ANALYSIS - MODE SHAPES TO GENERATE

DLC	Dynamic Load Cases	Mode	To generate	Frequency		Period	Acceleration
Case	Description	No.		ω [rad/s]	f [Hz]	T [s]	S _a [m/s ²]
		7	☒	16.275	2.590	0.386	3.840
		8	☒	16.283	2.592	0.386	3.840
		9	☒	16.537	2.632	0.380	3.840
		10	☒	16.770	2.669	0.375	3.840
		11	☒	21.775	3.466	0.289	3.840
		12	☒	22.715	3.615	0.277	3.840
		13	☒	22.782	3.626	0.276	3.840
		14	☒	22.844	3.636	0.275	3.840
		15	☒	23.778	3.784	0.264	3.840
		16	☒	25.715	4.093	0.244	3.840
		17	☒	25.891	4.121	0.243	3.840
		18	☒	25.955	4.131	0.242	3.840
		19	☒	28.906	4.600	0.217	3.840
		20	☒	29.275	4.659	0.215	3.840
		21	☒	31.541	5.020	0.199	3.840
		22	☒	37.938	6.038	0.166	3.840
		23	☒	51.258	8.158	0.123	3.419
		24	☒	52.082	8.289	0.121	3.389
		25	☒	53.155	8.460	0.118	3.352
		26	☒	59.094	9.405	0.106	3.169
		27	☒	64.259	10.227	0.098	3.038
		28	☒	64.779	10.310	0.097	3.026
		29	☒	65.980	10.501	0.095	2.999
		30	☒	67.205	10.696	0.093	2.972
		31	☒	67.429	10.732	0.093	2.967
		32	☒	70.513	11.222	0.089	2.905
		33	☒	84.319	13.420	0.075	2.681
		34	☒	90.723	14.439	0.069	2.600
		35	☒	96.207	15.312	0.065	2.539
		36	☒	97.924	15.585	0.064	2.522
		37	☒	127.834	20.345	0.049	2.291
		38	☒	135.848	21.621	0.046	2.246
		39	☒	140.689	22.391	0.045	2.222
		40	☒	149.129	23.735	0.042	2.183

NVC1
G+0,3Q

5.1 NATURAL FREQUENCIES

NVC1

Mode No.	Eigenvalue λ [1/s ²]	Angular frequency ω [rad/s]	Natural Frequency f [Hz]	Natural Period T [s]
1	240.924	15.522	2.470	0.405
2	243.228	15.596	2.482	0.403
3	244.119	15.624	2.487	0.402
4	251.134	15.847	2.522	0.396
5	258.748	16.086	2.560	0.391
6	264.078	16.250	2.586	0.387
7	264.874	16.275	2.590	0.386
8	265.133	16.283	2.592	0.386
9	273.462	16.537	2.632	0.380
10	281.223	16.770	2.669	0.375
11	474.144	21.775	3.466	0.289
12	515.992	22.715	3.615	0.277
13	519.026	22.782	3.626	0.276
14	521.863	22.844	3.636	0.275
15	565.379	23.778	3.784	0.264
16	661.261	25.715	4.093	0.244
17	670.326	25.891	4.121	0.243
18	673.670	25.955	4.131	0.242
19	835.541	28.906	4.600	0.217
20	857.003	29.275	4.659	0.215
21	994.838	31.541	5.020	0.199
22	1439.302	37.938	6.038	0.166
23	2627.338	51.258	8.158	0.123
24	2712.524	52.082	8.289	0.121
25	2825.504	53.155	8.460	0.118
26	3492.107	59.094	9.405	0.106
27	4129.211	64.259	10.227	0.098
28	4196.301	64.779	10.310	0.097
29	4353.300	65.980	10.501	0.095
30	4516.515	67.205	10.696	0.093
31	4546.611	67.429	10.732	0.093
32	4972.074	70.513	11.222	0.089
33	7109.629	84.319	13.420	0.075
34	8230.744	90.723	14.439	0.069
35	9255.800	96.207	15.312	0.065
36	9589.190	97.924	15.585	0.064
37	16341.633	127.834	20.345	0.049
38	18454.551	135.848	21.621	0.046
39	19793.445	140.689	22.391	0.045
40	22239.523	149.129	23.735	0.042

NVC1
G+0.3Q

5.7 EFFECTIVE MODAL MASS FACTORS

NVC1

Mode No.	Modal Mass M_i [kg]	Effective Modal Mass						Effective Modal Mass Factor		
		m_{eX} [kg]	m_{eY} [kg]	m_{eZ} [kg]	m_{eX} [kg·m ²]	m_{eY} [kg·m ²]	m_{eZ} [kg·m ²]	f_{meX} [-]	f_{meY} [-]	f_{meZ} [-]
1	753.99	46.24	0.00	0.00	0.00	371.17	206.27	0.000	0.000	0.000
2	627.95	0.96	0.00	0.00	0.00	7.76	0.00	0.000	0.000	0.000
3	554.76	1819.72	0.01	0.00	0.05	14365.85	5478.20	0.005	0.000	0.000
4	325.40	1309.44	0.00	0.00	0.00	10022.93	584.16	0.004	0.000	0.000
5	308.08	794.43	0.01	0.00	0.06	5977.20	1060.49	0.002	0.000	0.000
6	755.48	239.02	0.02	0.00	0.06	1712.38	908.80	0.001	0.000	0.000
7	426.46	2030.53	0.16	0.00	0.42	14554.90	5800.52	0.006	0.000	0.000
8	581.89	0.44	0.00	0.00	0.00	3.62	47.67	0.000	0.000	0.000
9	315.90	453.24	0.11	0.00	0.28	3125.36	3429.14	0.001	0.000	0.000
10	289.52	792.01	0.10	0.00	0.30	5450.06	1383.20	0.002	0.000	0.000



■ 5.7 EFFECTIVE MODAL MASS FACTORS

NVC1

Mode No.	Modal Mass M_i [kg]	Effective Modal Mass						Effective Modal Mass Factor		
		m_{ex} [kg]	m_{ey} [kg]	m_{ez} [kg]	m_{ex} [kg.m ²]	m_{ey} [kg.m ²]	m_{ez} [kg.m ²]	f_{mex} [-]	f_{mey} [-]	f_{mez} [-]
11	252.97	16.98	2583.86	0.00	9327.35	5.18	33139.87	0.000	0.008	0.000
12	435.80	62.32	6679.26	0.00	20844.68	33.24	67676.29	0.000	0.020	0.000
13	234.35	18.69	1984.58	0.00	6122.25	10.20	20026.73	0.000	0.006	0.000
14	425.70	0.02	7.90	0.00	23.71	0.01	121.26	0.000	0.000	0.000
15	256.40	15.28	3725.42	0.00	9693.89	12.74	6867.05	0.000	0.011	0.000
16	547.26	144.57	22639.67	0.00	40272.88	97.61	31769.61	0.000	0.067	0.000
17	264.51	3.99	545.67	0.00	932.48	2.79	685.17	0.000	0.002	0.000
18	415.37	0.37	1.70	0.00	2.70	0.41	10.56	0.000	0.000	0.000
19	3977.10	14803.67	216220.52	0.00	154781.34	12865.58	53827.57	0.044	0.641	0.000
20	63934.81	233806.75	17708.29	0.00	13693.46	207196.58	442610.93	0.693	0.052	0.000
21	124.27	723.40	6482.78	0.00	1402.66	782.65	39245.75	0.002	0.019	0.000
22	30929.31	13113.74	362.79	0.00	810.83	24647.71	8735354.36	0.039	0.001	0.000
23	257.37	7.94	2485.60	0.00	13242.98	43.61	22508.54	0.000	0.007	0.000
24	257.18	1.16	4.10	0.00	13.55	18.38	7576.33	0.000	0.000	0.000
25	288.23	0.19	121.38	0.00	766.37	1.95	955.79	0.000	0.000	0.000
26	139.00	0.07	614.03	0.00	6135.53	2.22	230.04	0.000	0.002	0.000
27	129.54	5.56	763.96	0.00	9458.26	0.11	12420.00	0.000	0.002	0.000
28	264.03	1545.17	8.45	0.00	61.16	14850.43	6737.33	0.005	0.000	0.000
29	266.51	3.09	1.97	0.00	36.07	65.30	2752.86	0.000	0.000	0.000
30	324.23	55.09	57.35	0.00	878.39	491.58	30.02	0.000	0.000	0.000
31	146.91	27.46	285.01	0.00	4513.94	423.46	3738.73	0.000	0.001	0.000
32	168.56	636.62	26.28	0.00	523.84	7515.73	11814.38	0.002	0.000	0.000
33	131.72	29.72	6383.38	0.00	130040.15	761.93	15490.37	0.000	0.019	0.000
34	740.63	53.98	25714.24	0.00	529652.52	738.28	11011.93	0.000	0.076	0.000
35	158.95	3743.97	4066.72	0.00	79995.11	58700.42	6093.14	0.011	0.012	0.000
36	1993.14	39207.40	565.69	0.00	10825.32	618169.96	59769.36	0.116	0.002	0.000
37	2188.97	2636.77	708.04	0.00	10033.43	39400.26	1323146.28	0.008	0.002	0.000
38	1156.49	1742.62	37.62	0.00	749.06	7378.64	156649.32	0.005	0.000	0.000
39	213.30	0.09	8.21	0.00	144.87	780.74	43026.24	0.000	0.000	0.000
40	68.02	35.08	0.07	0.00	12.13	159.12	2431.69	0.000	0.000	0.000
Sum	115630.07	319927.77	320794.96	0.00	1054992.09	1050748.07	11136615.96	0.948	0.951	0.000

Date: 2/3/2021

RF-SOILIN
CA1

CA1

Soil-structure interaction analysis

Project:

Model: XWROS POLITISMOY SKLIBANH

1.1 GENERAL DATA

Surfaces to design

Load cases to design:

Standard:

LC1

Self-weight

None

Groundwater available

☒

Groundwater ordinate Z

4.000 m

Rock beneath the last layer

☐

1.2.1 DESCRIPTION OF MATERIALS

Soil No.	Soil Description	Specific Weight		Modulus of Elasticity	Poisson's Ratio	Comment
		γ [kN/m ³]	γ [kN/m ³]	E_{def} [MN/m ²]	E_{def} [-]	
1	Gravel, Well-Graded (GW)	15.69	19.50	200.00	0.20	
2	Gravel, Poorly Graded (GP)	20.59	21.50	100.00	0.20	

1.2.2 - 1.2.3 SOIL SAMPLES AND SOIL LAYERS

Sample No.	Soil Sample Coordinates [m]			Region No.	Soil	Thickness Δt [m]	Ordinate BL z [m]
	X	Y	Z				
1	-1.000	10.810	0.000	-	1 - Gravel, Well-Graded (GW)	2.000	2.000
2	-0.750	-1.000	0.000	-	2 - Gravel, Poorly Graded (GP)	2.000	4.000
					1 - Gravel, Well-Graded (GW)	2.000	2.000
3	11.925	-4.110	0.000	-	2 - Gravel, Poorly Graded (GP)	2.000	4.000
					1 - Gravel, Well-Graded (GW)	2.000	2.000
4	15.655	-1.000	0.000	-	2 - Gravel, Poorly Graded (GP)	2.000	4.000
					1 - Gravel, Well-Graded (GW)	2.000	2.000
5	4.890	-1.000	0.000	-	2 - Gravel, Poorly Graded (GP)	2.000	4.000
					1 - Gravel, Well-Graded (GW)	2.000	2.000
6	4.890	-4.110	0.000	-	2 - Gravel, Poorly Graded (GP)	2.000	4.000
					1 - Gravel, Well-Graded (GW)	2.000	2.000
7	15.655	10.810	0.000	-	2 - Gravel, Poorly Graded (GP)	2.000	4.000
					1 - Gravel, Well-Graded (GW)	2.000	2.000

1.3 ADDITIONAL GEOLOGICAL REGIONS

[illegible]