

Project: Projects Model: Unit 10000x3400 Date: 20/04/2016
Complete unit 10000x3400

MODEL - GENERAL DATA

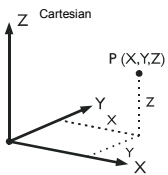
Behoort bij beschikking		General	Model name : Unit 10000x3400
			Model description : Complete unit 10000x3400
			Project name : Projects
			Type of model : 3D
d.d.	13-05-2016		Positive direction of global axis Z : Upward
			Classification of load cases and combinations : According to Standard: EN 1990 National Annex: NBN - Belgium
nr.(s)	ZK16001025		<input checked="" type="checkbox"/> Automatically create combinations : <input checked="" type="checkbox"/> Result Combinations

Juridisch beidsmefwaken / Publiekszaken / vergunningen

FE MESH SETTINGS

		General	Target length of finite elements l_{FE} : 500.0 mm
			Maximum distance between a node and a line to integrate it into the line ϵ : 1.0 mm
			Maximum number of mesh nodes (in thousands) : 500
		Members	Number of divisions of members with cable, elastic foundation, taper, or plastic characteristic : 10
			<input checked="" type="checkbox"/> Activate member divisions for large deformation or post-critical analysis
			<input checked="" type="checkbox"/> Use division for members with node lying on them
		Surfaces	Maximum ratio of FE rectangle diagonals Δ_D : 1.8
			Maximum out-of-plane inclination of two finite elements α : 0.50 °
			Shape direction of finite elements : Triangles and quadrangles <input checked="" type="checkbox"/> Same squares where possible

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1.1 NODES

Node No.	Node Type	Reference Node	Coordinate System	Node Coordinates			Comment
				X [mm]	Y [mm]	Z [mm]	
2	Standard	-	Cartesian	10000.0	-175.0	0.0	
4	Standard	-	Cartesian	10000.0	3175.0	0.0	
5	Standard	-	Cartesian	800.0	-175.0	0.0	
9	Standard	-	Cartesian	800.0	3175.0	0.0	
15	Standard	-	Cartesian	8100.0	3175.0	0.0	
19	Standard	-	Cartesian	10000.0	-200.0	0.0	
20	Standard	-	Cartesian	10000.0	3200.0	0.0	
21	Standard	-	Cartesian	500.0	3175.0	0.0	
23	Standard	-	Cartesian	1000.0	3175.0	0.0	
24	Standard	-	Cartesian	1000.0	-175.0	0.0	
25	Standard	-	Cartesian	1500.0	3175.0	0.0	
26	Standard	-	Cartesian	1500.0	-175.0	0.0	
27	Standard	-	Cartesian	2000.0	3175.0	0.0	
28	Standard	-	Cartesian	2000.0	-175.0	0.0	
29	Standard	-	Cartesian	2500.0	3175.0	0.0	
30	Standard	-	Cartesian	2500.0	-175.0	0.0	
31	Standard	-	Cartesian	3000.0	3175.0	0.0	
32	Standard	-	Cartesian	3000.0	-175.0	0.0	
33	Standard	-	Cartesian	3500.0	3175.0	0.0	
34	Standard	-	Cartesian	3500.0	-175.0	0.0	
35	Standard	-	Cartesian	4000.0	3175.0	0.0	
36	Standard	-	Cartesian	4000.0	-175.0	0.0	
37	Standard	-	Cartesian	4500.0	3175.0	0.0	
38	Standard	-	Cartesian	4500.0	-175.0	0.0	
39	Standard	-	Cartesian	5000.0	3175.0	0.0	
40	Standard	-	Cartesian	5000.0	-175.0	0.0	
41	Standard	-	Cartesian	5500.0	3175.0	0.0	
42	Standard	-	Cartesian	5500.0	-175.0	0.0	
43	Standard	-	Cartesian	6000.0	3175.0	0.0	
44	Standard	-	Cartesian	6000.0	-175.0	0.0	
45	Standard	-	Cartesian	6500.0	3175.0	0.0	
46	Standard	-	Cartesian	6500.0	-175.0	0.0	
47	Standard	-	Cartesian	7000.0	3175.0	0.0	
48	Standard	-	Cartesian	7000.0	-175.0	0.0	
49	Standard	-	Cartesian	7500.0	3175.0	0.0	
50	Standard	-	Cartesian	7500.0	-175.0	0.0	
51	Standard	-	Cartesian	8000.0	3175.0	0.0	
52	Standard	-	Cartesian	8000.0	-175.0	0.0	
53	Standard	-	Cartesian	8500.0	3175.0	0.0	
54	Standard	-	Cartesian	8500.0	-175.0	0.0	
55	Standard	-	Cartesian	9000.0	3175.0	0.0	
56	Standard	-	Cartesian	9000.0	-175.0	0.0	
57	Standard	-	Cartesian	9500.0	3175.0	0.0	
58	Standard	-	Cartesian	9500.0	-175.0	0.0	
61	Standard	-	Cartesian	10200.0	-175.0	0.0	
62	Standard	-	Cartesian	10200.0	3175.0	0.0	
63	Standard	-	Cartesian	500.0	-200.0	0.0	
65	Standard	-	Cartesian	10500.0	3175.0	0.0	
66	Standard	-	Cartesian	10500.0	-175.0	0.0	
115	Standard	-	Cartesian	8125.0	3175.0	0.0	
116	Standard	-	Cartesian	5450.0	3175.0	0.0	
117	Standard	-	Cartesian	2800.0	3175.0	0.0	
118	Standard	-	Cartesian	2800.0	-175.0	0.0	
119	Standard	-	Cartesian	5450.0	-175.0	0.0	
120	Standard	-	Cartesian	8100.0	-175.0	0.0	
192	Standard	-	Cartesian	500.0	3175.0	3000.0	
195	Standard	-	Cartesian	10500.0	3175.0	3000.0	
196	Standard	-	Cartesian	10000.0	3175.0	3000.0	
235	Standard	-	Cartesian	500.0	-175.0	3000.0	
236	Standard	-	Cartesian	10500.0	-175.0	3000.0	



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1.1 NODES

Node No.	Node Type	Reference Node	Coordinate System	Node Coordinates			Comment
				X [mm]	Y [mm]	Z [mm]	
237	Standard	-	Cartesian	10500.0	-155.0	2999.8	
238	Standard	-	Cartesian	10000.0	-175.0	3000.0	
508	Standard	-	Cartesian	10500.0	1500.0	3000.0	
511	Standard	-	Cartesian	500.0	1500.0	3000.0	
525	Standard	-	Cartesian	10000.0	1500.0	0.0	
527	Standard	-	Cartesian	10500.0	1500.0	0.0	
528	Standard	-	Cartesian	1000.0	1500.0	0.0	
543	Standard	-	Cartesian	10500.0	925.0	3000.0	
544	Standard	-	Cartesian	10500.0	1975.0	3000.0	
545	Standard	-	Cartesian	500.0	1975.0	3000.0	
546	Standard	-	Cartesian	500.0	925.0	3000.0	
550	Standard	-	Cartesian	500.0	925.0	0.0	
551	Standard	-	Cartesian	1000.0	925.0	0.0	
552	Standard	-	Cartesian	500.0	1975.0	0.0	
553	Standard	-	Cartesian	1500.0	925.0	0.0	
554	Standard	-	Cartesian	1500.0	1975.0	0.0	
555	Standard	-	Cartesian	2000.0	925.0	0.0	
556	Standard	-	Cartesian	2000.0	1975.0	0.0	
557	Standard	-	Cartesian	1000.0	1975.0	0.0	
558	Standard	-	Cartesian	2500.0	925.0	0.0	
559	Standard	-	Cartesian	2500.0	1975.0	0.0	
560	Standard	-	Cartesian	3000.0	925.0	0.0	
561	Standard	-	Cartesian	3000.0	1975.0	0.0	
562	Standard	-	Cartesian	3500.0	925.0	0.0	
563	Standard	-	Cartesian	3500.0	1975.0	0.0	
564	Standard	-	Cartesian	4500.0	925.0	0.0	
565	Standard	-	Cartesian	4500.0	1975.0	0.0	
566	Standard	-	Cartesian	5000.0	925.0	0.0	
567	Standard	-	Cartesian	5000.0	1975.0	0.0	
568	Standard	-	Cartesian	4000.0	925.0	0.0	
569	Standard	-	Cartesian	4000.0	1975.0	0.0	
570	Standard	-	Cartesian	6500.0	925.0	0.0	
571	Standard	-	Cartesian	6500.0	1975.0	0.0	
572	Standard	-	Cartesian	5500.0	925.0	0.0	
573	Standard	-	Cartesian	5500.0	1975.0	0.0	
574	Standard	-	Cartesian	6000.0	925.0	0.0	
575	Standard	-	Cartesian	6000.0	1975.0	0.0	
576	Standard	-	Cartesian	7000.0	925.0	0.0	
577	Standard	-	Cartesian	7000.0	1975.0	0.0	
578	Standard	-	Cartesian	7500.0	925.0	0.0	
579	Standard	-	Cartesian	7500.0	1975.0	0.0	
580	Standard	-	Cartesian	8000.0	925.0	0.0	
581	Standard	-	Cartesian	8000.0	1975.0	0.0	
582	Standard	-	Cartesian	8500.0	925.0	0.0	
583	Standard	-	Cartesian	8500.0	1975.0	0.0	
584	Standard	-	Cartesian	9000.0	925.0	0.0	
585	Standard	-	Cartesian	9000.0	1975.0	0.0	
586	Standard	-	Cartesian	9500.0	925.0	0.0	
587	Standard	-	Cartesian	9500.0	1975.0	0.0	
588	Standard	-	Cartesian	10000.0	925.0	0.0	
589	Standard	-	Cartesian	10000.0	1975.0	0.0	
590	Standard	-	Cartesian	10500.0	925.0	0.0	
591	Standard	-	Cartesian	10500.0	1975.0	0.0	
710	Standard	-	Cartesian	2000.0	-200.0	0.0	
711	Standard	-	Cartesian	2650.0	-175.0	0.0	
712	Standard	711	Cartesian	300.0	0.0	0.0	
713	Standard	-	Cartesian	5300.0	-175.0	0.0	
714	Standard	713	Cartesian	300.0	0.0	0.0	
715	Standard	-	Cartesian	2650.0	3175.0	0.0	
716	Standard	-	Cartesian	7950.0	-175.0	0.0	
717	Standard	716	Cartesian	300.0	0.0	0.0	
718	Standard	715	Cartesian	300.0	0.0	0.0	
719	Standard	-	Cartesian	5300.0	3175.0	0.0	
720	Standard	719	Cartesian	300.0	0.0	0.0	
721	Standard	-	Cartesian	7950.0	3175.0	0.0	
722	Standard	721	Cartesian	300.0	0.0	0.0	
723	Standard	-	Cartesian	5500.0	-175.0	3000.0	
724	Standard	-	Cartesian	5500.0	3175.0	3000.0	
725	Standard	-	Cartesian	4880.0	-175.0	3000.0	
726	Standard	-	Cartesian	4880.0	3175.0	3000.0	
727	Standard	-	Cartesian	4260.0	-175.0	3000.0	
728	Standard	-	Cartesian	4260.0	3175.0	3000.0	
729	Standard	-	Cartesian	3640.0	-175.0	3000.0	
730	Standard	-	Cartesian	3640.0	3175.0	3000.0	
731	Standard	-	Cartesian	3020.0	-175.0	3000.0	
732	Standard	-	Cartesian	3020.0	3175.0	3000.0	
733	Standard	-	Cartesian	2400.0	-175.0	3000.0	
734	Standard	-	Cartesian	2400.0	3175.0	3000.0	
735	Standard	-	Cartesian	1780.0	-175.0	3000.0	
736	Standard	-	Cartesian	1780.0	3175.0	3000.0	
737	Standard	-	Cartesian	1160.0	-175.0	3000.0	
738	Standard	-	Cartesian	1160.0	3175.0	3000.0	
739	Standard	-	Cartesian	540.0	-175.0	3000.0	
740	Standard	-	Cartesian	540.0	3175.0	3000.0	
741	Standard	-	Cartesian	6120.0	-175.0	3000.0	
742	Standard	-	Cartesian	6120.0	3175.0	3000.0	
743	Standard	-	Cartesian	6740.0	-175.0	3000.0	
744	Standard	-	Cartesian	6740.0	3175.0	3000.0	
745	Standard	-	Cartesian	7360.0	-175.0	3000.0	
746	Standard	-	Cartesian	7360.0	3175.0	3000.0	
747	Standard	-	Cartesian	7980.0	-175.0	3000.0	
748	Standard	-	Cartesian	7980.0	3175.0	3000.0	
749	Standard	-	Cartesian	8600.0	-175.0	3000.0	
750	Standard	-	Cartesian	8600.0	3175.0	3000.0	



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1.1 NODES

Node No.	Node Type	Reference Node	Coordinate System	Node Coordinates			Comment
				X [mm]	Y [mm]	Z [mm]	
751	Standard	-	Cartesian	9220.0	-175.0	3000.0	
752	Standard	-	Cartesian	9220.0	3175.0	3000.0	
753	Standard	-	Cartesian	9840.0	-175.0	3000.0	
754	Standard	-	Cartesian	9840.0	3175.0	3000.0	
755	Standard	-	Cartesian	10460.0	-175.0	3000.0	
756	Standard	-	Cartesian	10460.0	3175.0	3000.0	
805	Standard	-	Cartesian	2800.0	-175.0	3000.0	
807	Standard	-	Cartesian	5450.0	-175.0	3000.0	
809	Standard	-	Cartesian	8100.0	-175.0	3000.0	
810	Standard	-	Cartesian	2800.0	3175.0	3000.0	
811	Standard	-	Cartesian	5450.0	3175.0	3000.0	
813	Standard	-	Cartesian	8100.0	3175.0	3000.0	

1.2 LINES

Line No.	Line Type	Nodes No.	Line Length L [mm]		Comment
1	Polyline	63,5	301.0	XY	
2	Polyline	21,9	300.0	X	
3	Polyline	5,24	200.0	X	
4	Polyline	61,66	300.0	X	
5	Polyline	118,805	3000.0	Z	
6	Polyline	62,65	300.0	X	
7	Polyline	40,713	300.0	X	
8	Polyline	9,23	200.0	X	
9	Polyline	716,52	50.0	X	
10	Polyline	51,721	50.0	X	
11	Polyline	724,723	3350.0	Y	
12	Polyline	42,723	3000.0	Z	
13	Polyline	236,755	40.0	X	
14	Polyline	195,756	40.0	X	
15	Polyline	120,809	3000.0	Z	
16	Polyline	117,810	3000.0	Z	
17	Polyline	41,724	3000.0	Z	
18	Polyline	19,2	25.0	Y	
19	Polyline	15,813	3000.0	Z	
20	Polyline	4,20	25.0	Y	
21	Polyline	21,552	1200.0	Y	
22	Polyline	238,753	160.0	X	
23	Polyline	196,754	160.0	X	
24	Polyline	23,557	1200.0	Y	
25	Polyline	24,26	500.0	X	
26	Polyline	23,25	500.0	X	
27	Polyline	25,554	1200.0	Y	
28	Polyline	26,28	500.0	X	
29	Polyline	25,27	500.0	X	
30	Polyline	27,556	1200.0	Y	
31	Polyline	28,30	500.0	X	
32	Polyline	27,29	500.0	X	
33	Polyline	29,559	1200.0	Y	
34	Polyline	30,711	150.0	X	
35	Polyline	715,29	150.0	X	
36	Polyline	31,561	1200.0	Y	
37	Polyline	32,34	500.0	X	
38	Polyline	31,33	500.0	X	
39	Polyline	33,563	1200.0	Y	
40	Polyline	34,36	500.0	X	
41	Polyline	31,718	50.0	X	
42	Polyline	35,569	1200.0	Y	
43	Polyline	35,37	500.0	X	
44	Polyline	36,38	500.0	X	
45	Polyline	37,565	1200.0	Y	
46	Polyline	37,39	500.0	X	
47	Polyline	38,40	500.0	X	
48	Polyline	39,567	1200.0	Y	
49	Polyline	719,39	300.0	X	
50	Polyline	714,44	400.0	X	
51	Polyline	41,573	1200.0	Y	
52	Polyline	726,725	3350.0	Y	
53	Polyline	42,714	100.0	X	
54	Polyline	43,575	1200.0	Y	
55	Polyline	43,45	500.0	X	
56	Polyline	44,46	500.0	X	
57	Polyline	45,571	1200.0	Y	
58	Polyline	46,48	500.0	X	
59	Polyline	45,47	500.0	X	
60	Polyline	47,577	1200.0	Y	
61	Polyline	47,49	500.0	X	
62	Polyline	48,50	500.0	X	
63	Polyline	49,579	1200.0	Y	
64	Polyline	721,49	450.0	X	
65	Polyline	50,716	450.0	X	
66	Polyline	51,581	1200.0	Y	
67	Polyline	725,727	620.0	X	
68	Polyline	52,120	100.0	X	
69	Polyline	53,583	1200.0	Y	
70	Polyline	53,55	500.0	X	
71	Polyline	54,56	500.0	X	
72	Polyline	55,585	1200.0	Y	
73	Polyline	55,57	500.0	X	
74	Polyline	56,58	500.0	X	
75	Polyline	57,587	1200.0	Y	



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1.2 LINES

Line No.	Line Type	Nodes No.	Line Length L [mm]		Comment
76	Polyline	57,4	500,0	X	
77	Polyline	58,2	500,0	X	
80	Polyline	4,589	1200,0	Y	
81	Polyline	589,587	500,0	X	
82	Polyline	588,590	500,0	X	
83	Polyline	525,588	575,0	Y	
84	Polyline	65,591	1200,0	Y	
85	Polyline	2,61	200,0	X	
86	Polyline	4,62	200,0	X	
88	Polyline	591,589	500,0	X	
89	Polyline	711,118	150,0	X	
90	Polyline	713,119	150,0	X	
91	Polyline	712,32	50,0	X	
92	Polyline	33,35	500,0	X	
93	Polyline	720,41	100,0	X	
94	Polyline	717,54	250,0	X	
95	Polyline	722,115	125,0	X	
96	Polyline	718,117	150,0	X	
97	Polyline	41,116	50,0	X	
98	Polyline	726,728	620,0	X	
99	Polyline	43,720	400,0	X	
100	Polyline	728,727	3350,0	Y	
101	Polyline	53,722	250,0	X	
102	Polyline	727,729	620,0	X	
103	Polyline	728,730	620,0	X	
104	Polyline	730,729	3350,0	Y	
105	Polyline	729,731	620,0	X	
106	Polyline	730,732	620,0	X	
107	Polyline	732,731	3350,0	Y	
108	Polyline	731,805	220,0	X	
109	Polyline	732,810	220,0	X	
110	Polyline	734,733	3350,0	Y	
111	Polyline	733,735	620,0	X	
112	Polyline	734,736	620,0	X	
113	Polyline	736,735	3350,0	Y	
114	Polyline	735,737	620,0	X	
115	Polyline	736,738	620,0	X	
116	Polyline	738,737	3350,0	Y	
117	Polyline	737,739	620,0	X	
118	Polyline	738,740	620,0	X	
120	Polyline	739,235	40,0	X	
121	Polyline	740,192	40,0	X	
122	Polyline	742,741	3350,0	Y	
123	Polyline	741,723	620,0	X	
124	Polyline	742,724	620,0	X	
125	Polyline	744,743	3350,0	Y	
126	Polyline	743,741	620,0	X	
127	Polyline	744,742	620,0	X	
128	Polyline	746,745	3350,0	Y	
129	Polyline	745,743	620,0	X	
130	Polyline	746,744	620,0	X	
131	Polyline	748,747	3350,0	Y	
132	Polyline	747,745	620,0	X	
133	Polyline	748,746	620,0	X	
134	Polyline	750,749	3350,0	Y	
135	Polyline	749,809	500,0	X	
136	Polyline	750,813	500,0	X	
137	Polyline	752,751	3350,0	Y	
138	Polyline	751,749	620,0	X	
139	Polyline	752,750	620,0	X	
140	Polyline	754,753	3350,0	Y	
141	Polyline	753,751	620,0	X	
142	Polyline	754,752	620,0	X	
143	Polyline	755,238	460,0	X	
145	Polyline	756,196	460,0	X	
149	Polyline	810,734	400,0	X	
201	Polyline	115,15	25,0	X	
226	Polyline	809,747	120,0	X	
233	Polyline	116,719	150,0	X	
284	Polyline	805,733	400,0	X	
286	Polyline	807,725	570,0	X	
290	Polyline	813,748	120,0	X	
293	Polyline	117,715	150,0	X	
294	Polyline	811,726	570,0	X	
296	Polyline	118,712	150,0	X	
298	Polyline	119,42	50,0	X	
300	Polyline	120,717	150,0	X	
314	Polyline	195,544	1200,0	Y	
316	Polyline	235,546	1100,0	Y	
319	Polyline	15,51	100,0	X	
326	Polyline	543,236	1100,0	Y	
328	Polyline	544,508	475,0	Y	
330	Polyline	545,192	1200,0	Y	
332	Polyline	546,511	575,0	Y	
649	Polyline	63,235	3000,1	YZ	
650	Polyline	66,236	3000,0	Z	
651	Polyline	21,192	3000,0	Z	
679	Polyline	508,543	575,0	Y	
683	Polyline	511,545	475,0	Y	
695	Polyline	65,195	3000,0	Z	
697	Polyline	591,527	475,0	Y	
698	Polyline	528,551	575,0	Y	
712	Polyline	527,590	575,0	Y	
716	Polyline	552,550	1050,0	Y	



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1.2 LINES

Line No.	Line Type	Nodes No.	Line Length L [mm]		Comment
736	Polyline	550,63	1125,0	Y	
737	Polyline	551,24	1100,0	Y	
738	Polyline	550,551	500,0	X	
739	Polyline	551,553	500,0	X	
741	Polyline	554,553	1050,0	Y	
742	Polyline	553,26	1100,0	Y	
743	Polyline	556,555	1050,0	Y	
744	Polyline	555,28	1100,0	Y	
745	Polyline	557,528	475,0	Y	
746	Polyline	559,558	1050,0	Y	
747	Polyline	558,30	1100,0	Y	
748	Polyline	561,560	1050,0	Y	
749	Polyline	560,32	1100,0	Y	
750	Polyline	563,562	1050,0	Y	
751	Polyline	562,34	1100,0	Y	
752	Polyline	565,564	1050,0	Y	
753	Polyline	564,38	1100,0	Y	
754	Polyline	567,566	1050,0	Y	
755	Polyline	566,40	1100,0	Y	
756	Polyline	569,568	1050,0	Y	
757	Polyline	568,36	1100,0	Y	
758	Polyline	571,570	1050,0	Y	
759	Polyline	570,46	1100,0	Y	
760	Polyline	573,572	1050,0	Y	
761	Polyline	572,42	1100,0	Y	
762	Polyline	575,574	1050,0	Y	
763	Polyline	574,44	1100,0	Y	
764	Polyline	577,576	1050,0	Y	
765	Polyline	576,48	1100,0	Y	
766	Polyline	579,578	1050,0	Y	
767	Polyline	578,50	1100,0	Y	
768	Polyline	581,580	1050,0	Y	
769	Polyline	580,52	1100,0	Y	
770	Polyline	583,582	1050,0	Y	
771	Polyline	582,54	1100,0	Y	
772	Polyline	585,584	1050,0	Y	
773	Polyline	584,56	1100,0	Y	
774	Polyline	587,586	1050,0	Y	
775	Polyline	586,58	1100,0	Y	
776	Polyline	553,555	500,0	X	
777	Polyline	555,558	500,0	X	
778	Polyline	558,560	500,0	X	
779	Polyline	560,562	500,0	X	
780	Polyline	562,568	500,0	X	
781	Polyline	568,564	500,0	X	
782	Polyline	564,566	500,0	X	
783	Polyline	566,572	500,0	X	
784	Polyline	572,574	500,0	X	
785	Polyline	574,570	500,0	X	
786	Polyline	570,576	500,0	X	
787	Polyline	576,578	500,0	X	
788	Polyline	578,580	500,0	X	
789	Polyline	580,582	500,0	X	
790	Polyline	582,584	500,0	X	
791	Polyline	584,586	500,0	X	
792	Polyline	586,588	500,0	X	
793	Polyline	587,585	500,0	X	
794	Polyline	585,583	500,0	X	
795	Polyline	583,581	500,0	X	
796	Polyline	581,579	500,0	X	
797	Polyline	579,577	500,0	X	
798	Polyline	577,571	500,0	X	
799	Polyline	571,575	500,0	X	
800	Polyline	575,573	500,0	X	
801	Polyline	573,567	500,0	X	
802	Polyline	567,565	500,0	X	
803	Polyline	565,569	500,0	X	
804	Polyline	569,563	500,0	X	
805	Polyline	563,561	500,0	X	
806	Polyline	561,559	500,0	X	
807	Polyline	559,556	500,0	X	
808	Polyline	556,554	500,0	X	
809	Polyline	554,557	500,0	X	
810	Polyline	557,552	500,0	X	
812	Polyline	589,525	475,0	Y	
813	Polyline	588,2	1100,0	Y	
815	Polyline	590,66	1100,0	Y	
1072	Polyline	723,807	50,0	X	
1073	Polyline	724,811	50,0	X	

1.3 MATERIALS

Matl. No.	Modulus E [kN/cm ²]	Modulus G [kN/cm ²]	Poisson's Ratio ν [-]	Spec. Weight γ [kN/m ³]	Coeff. of Th. Exp. α [1/°C]	Partial Factor γ_M [-]	Material Model
1	Steel S 235 JR EN 10025-2:2004-11 21000.00	8076.92	0.300	78.50	1.20E-05	1.00	Isotropic Linear Elastic
2	Steel S 235 EN 1993-1-1:2005-05 21000.00	8076.92	0.300	78.50	1.20E-05	1.00	Isotropic Linear Elastic
4	Steel S 235 EN 1993-1-1:2005-05						



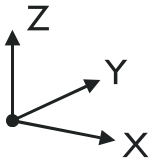
Project: Projects Model: Unit 10000x3400
 Complete unit 10000x3400

Date: 20/04/2016

1.3 MATERIALS

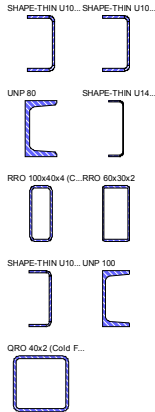
Matl. No.	Modulus E [kN/cm ²]	Modulus G [kN/cm ²]	Poisson's Ratio ν [-]	Spec. Weight γ [kN/m ³]	Coeff. of Th. Exp. α [1/°C]	Partial Factor γ _M [-]	Material Model
	21000.00	8076.92	0.300	78.50	1.20E-05	1.00	Isotropic Linear Elastic
5	Steel S 235 EN 1993-1-1:2005-05 21000.00	8076.92	0.300	78.50	1.20E-05	1.00	Isotropic Linear Elastic
6	Steel S 235 EN 1993-1-1:2005-05 21000.00	8076.92	0.300	78.50	1.20E-05	1.00	Isotropic Linear Elastic
7	Steel S 235 EN 1993-1-1:2005-05 21000.00	8076.92	0.300	78.50	1.20E-05	1.00	Isotropic Linear Elastic

1.7 NODAL SUPPORTS



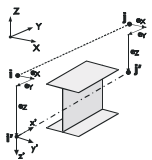
Support No.	Nodes No.	Sequen.	Rotation [°]			Column in Z	Support Conditions					
			about X	about Y	about Z		u _x	u _y	u _z	φ _x	φ _y	φ _z
1	560,561, 572,573, 580,581	XYZ	0.00	0.00	0.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

1.13 CROSS-SECTIONS



Section No.	Matl. No.	J [cm ⁴]		I _y [cm ⁴]		I _z [cm ⁴]		Principal Axes α [°]	Rotation α' [°]	Overall Dimensions [mm]	
		A [cm ²]		A _y [cm ²]		A _z [cm ²]				Width b	Height h
1	SHAPE-THIN U100X50X5 1	0.67 9.17		135.26 3.00		21.85 4.01		0.00	0.00	50.0	100.0
2	SHAPE-THIN U100X50X5 1	0.67 9.17		135.26 3.00		21.85 4.01		0.00	0.00	50.0	100.0
15	UNP 80 SZS 5	2.16 11.00		106.00 4.16		19.40 3.74		0.00	0.00	45.0	80.0
16	SHAPE-THIN U140X40X3 5	0.17 6.20		161.88 1.08		8.22 3.75		0.00	0.00	40.0	140.0
24	RRO 100x40x4 (Cold Formed) 1	74.50 10.10		116.00 1.74		26.70 7.10		0.00	0.00	40.0	100.0
27	RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395) 1	12.38 3.41		15.65 0.75		5.23 2.14		0.00	0.00	30.0	60.0
28	SHAPE-THIN U100X40X3 1	0.14 5.02		72.34 1.31		7.46 2.56		0.00	0.00	40.0	100.0
29	UNP 100 SZS 1	2.81 13.50		206.00 4.59		29.30 4.87		0.00	0.00	50.0	100.0
30	QRO 40x2 (Cold Formed) 1	11.30 2.94		6.94 1.28		6.94 1.28		0.00	0.00	40.0	40.0

1.15/1 MEMBER ECCENTRICITIES - ABSOLUTE



Ecc. No.	Reference System	Member Start - Eccentricity [mm]			Member End - Eccentricity			Member hinge location	
		e _{1,x}	e _{1,y}	e _{1,z}	e _{2,x}	e _{2,y}	e _{2,z}	Member Start	Member End
2	Global	0.0	0.0	0.0	0.0	0.0	0.0	at member	at member
3	Global	0.0	-14.8	-50.0	0.0	0.0	0.0	at member	at member
4	Global	0.0	0.0	0.0	0.0	0.0	0.0	at member	at member
8	Global	0.0	0.0	0.0	0.0	0.0	0.0	at member	at member
9	Global	0.0	0.0	0.0	0.0	0.0	0.0	at member	at member
10	Global	0.0	50.0	0.0	0.0	50.0	0.0	at member	at member
14	Global	0.0	0.0	0.0	0.0	0.0	0.0	at member	at member
15	Global	35.2	0.0	-50.0	0.0	0.0	0.0	at member	at member
16	Global	0.0	0.0	0.0	0.0	0.0	0.0	at member	at member
17	Global	0.0	0.0	-100.0	0.0	0.0	-100.0	at member	at member
18	Global	0.0	0.0	0.0	0.0	0.0	0.0	at member	at member
19	Global	0.0	0.0	0.0	0.0	0.0	0.0	at member	at member
20	Global	0.0	0.0	0.0	0.0	0.0	0.0	at member	at member
21	Global	0.0	0.0	0.0	0.0	0.0	0.0	at member	at member
23	Global	0.0	0.0	0.0	0.0	0.0	0.0	at member	at member
24	Global	0.0	0.0	0.0	0.0	0.0	0.0	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
2	Right (+y)	Bottom (+z)	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
3	Middle	Middle	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
4	Left (-y)	Middle	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
8	Middle	Bottom (+z)	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
9	Right (+y)	Top (-z)	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>



Project: Projects

Model: Unit 10000x3400

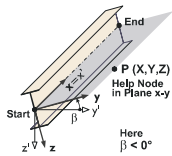
Date: 20/04/2016

Complete unit 10000x3400

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
10	Left (-y)	Top (-z)	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
14	Left (-y)	Bottom (+z)	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
15	Middle	Middle	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
16	Middle	Middle	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
17	Middle	Bottom (+z)	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
18	Left (-y)	Top (-z)	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
19	Left (-y)	Top (-z)	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
20	Left (-y)	Top (-z)	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
21	Left (-y)	Top (-z)	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
23	Right (+y)	Middle	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>
24	Middle	Middle	None	0	Middle	Middle	<input type="checkbox"/>	<input type="checkbox"/>

1.17 MEMBERS



Mbr. No.	Line No.	Member	Rotation		Cross-Section		Hinge No.		Ecc. No.	Div. No.	Length L [mm]	
			Type	β [°]	Start	End	Start	End				
1	1	Beam	Angle	0.00	2	2	-	-	2	-	301.0	XY
2	2	Beam	Angle	180.00	2	2	-	-	9	-	300.0	X
3	3	Beam	Angle	0.00	1	1	-	-	2	-	200.0	X
4	4	Beam	Angle	0.00	2	2	-	-	2	-	300.0	X
6	6	Beam	Angle	180.00	2	2	-	-	9	-	300.0	X
7	40	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
8	53	Beam	Angle	0.00	2	2	-	-	2	-	100.0	X
9	58	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
10	59	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
11	38	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
12	8	Beam	Angle	180.00	1	1	-	-	9	-	200.0	X
13	698	Beam	Angle	0.00	28	28	-	-	8	-	575.0	Y
14	13	Beam	Angle	0.00	16	16	-	-	-	-	40.0	X
15	22	Beam	Angle	0.00	16	16	-	-	-	-	160.0	X
16	21	Beam	Angle	0.00	1	1	-	-	2	-	1200.0	Y
18	68	Beam	Angle	0.00	2	2	-	-	2	-	100.0	X
19	815	Beam	Angle	0.00	1	1	-	-	2	-	1100.0	Y
20	23	Beam	Angle	0.00	16	16	-	-	-	-	160.0	X
24	24	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
25	25	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
26	26	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
27	27	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
28	28	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
29	29	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
30	30	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
31	31	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
32	32	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
33	33	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
34	14	Beam	Angle	0.00	16	16	-	-	-	-	40.0	X
35	92	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
36	36	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
37	37	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
38	93	Beam	Angle	0.00	2	2	-	-	2	-	100.0	X
39	39	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
40	95	Beam	Angle	0.00	2	2	-	-	2	-	125.0	X
41	67	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
42	42	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
43	43	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
44	44	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
45	45	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
46	46	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
47	47	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
48	48	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
49	98	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
50	102	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
51	51	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
52	103	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
53	105	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
54	54	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
55	55	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
56	56	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
57	57	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
58	106	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
59	108	Beam	Angle	0.00	16	16	-	-	-	-	220.0	X
60	60	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
61	61	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
62	62	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
63	63	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
64	109	Beam	Angle	0.00	16	16	-	-	-	-	220.0	X
65	111	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
66	66	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
67	112	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
68	114	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
69	69	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
70	70	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
71	71	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
72	72	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
73	73	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
74	74	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
75	75	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
76	76	Beam	Angle	180.00	1	1	-	-	9	-	500.0	X
77	77	Beam	Angle	0.00	1	1	-	-	2	-	500.0	X
78	80	Beam	Angle	0.00	28	28	-	-	8	-	1200.0	Y
79	81	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
80	82	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
81	83	Beam	Angle	0.00	28	28	-	-	8	-	575.0	Y



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.17 MEMBERS

Mbr. No.	Line No.	Member	Rotation		Cross-Section		Hinge No.		Ecc. No.	Div. No.	Length L [mm]	
			Type	β [°]	Start	End	Start	End				
83	85	Beam	Angle	0.00	1	1	-	-	2	-	200.0	X
84	86	Beam	Angle	180.00	1	1	-	-	9	-	200.0	X
86	88	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
87	115	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
88	117	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
89	118	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
90	120	Beam	Angle	0.00	16	16	-	-	-	-	40.0	X
91	121	Beam	Angle	0.00	16	16	-	-	-	-	40.0	X
92	123	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
93	124	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
94	126	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
95	127	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
96	129	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
97	130	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
98	132	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
99	133	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
100	135	Beam	Angle	0.00	16	16	-	-	-	-	500.0	X
101	136	Beam	Angle	0.00	16	16	-	-	-	-	500.0	X
102	138	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
103	139	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
104	141	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
105	142	Beam	Angle	0.00	16	16	-	-	-	-	620.0	X
106	143	Beam	Angle	0.00	16	16	-	-	-	-	460.0	X
107	145	Beam	Angle	0.00	16	16	-	-	-	-	460.0	X
111	286	Beam	Angle	0.00	16	16	-	-	-	-	570.0	X
137	149	Beam	Angle	0.00	16	16	-	-	-	-	400.0	X
139	290	Beam	Angle	0.00	16	16	-	-	-	-	120.0	X
207	284	Beam	Angle	0.00	16	16	-	-	-	-	400.0	X
208	226	Beam	Angle	0.00	16	16	-	-	-	-	120.0	X
209	294	Beam	Angle	0.00	16	16	-	-	-	-	570.0	X
213	201	Beam	Angle	0.00	2	2	-	-	2	-	25.0	X
214	233	Beam	Angle	0.00	2	2	-	-	2	-	150.0	X
215	293	Beam	Angle	0.00	2	2	-	-	2	-	150.0	X
216	296	Beam	Angle	0.00	2	2	-	-	2	-	150.0	X
217	298	Beam	Angle	0.00	2	2	-	-	2	-	50.0	X
218	300	Beam	Angle	0.00	2	2	-	-	2	-	150.0	X
226	319	Beam	Angle	0.00	2	2	-	-	2	-	100.0	X
227	326	Beam	Angle	0.00	15	15	-	-	-	-	1100.0	Y
228	328	Beam	Angle	0.00	15	15	-	-	-	-	475.0	Y
229	330	Beam	Angle	0.00	15	15	-	-	-	-	1200.0	Y
230	332	Beam	Angle	0.00	15	15	-	-	-	-	575.0	Y
332	314	Beam	Angle	0.00	15	15	-	-	-	-	1200.0	Y
333	316	Beam	Angle	0.00	15	15	-	-	-	-	1100.0	Y
648	649	Beam	Angle	90.00	24	24	-	-	23	-	3000.1	YZ
650	651	Beam	Angle	0.00	24	24	-	-	4	-	3000.0	Z
677	679	Beam	Angle	0.00	15	15	-	-	-	-	575.0	Y
681	683	Beam	Angle	0.00	15	15	-	-	-	-	475.0	Y
693	695	Beam	Angle	0.00	24	24	-	-	4	-	3000.0	Z
695	697	Beam	Angle	0.00	1	1	-	-	2	-	475.0	Y
709	712	Beam	Angle	0.00	1	1	-	-	2	-	575.0	Y
710	736	Beam	Angle	0.00	1	1	-	-	2	-	1125.0	Y
711	716	Beam	Angle	0.00	1	1	-	-	2	-	1050.0	Y
712	84	Beam	Angle	0.00	1	1	-	-	2	-	1200.0	Y
735	737	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
736	738	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
737	739	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
739	745	Beam	Angle	0.00	28	28	-	-	8	-	475.0	Y
740	741	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
741	742	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
742	743	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
743	744	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
744	746	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
745	747	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
746	748	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
747	749	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
748	750	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
749	751	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
750	756	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
751	757	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
752	752	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
753	753	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
754	754	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
755	755	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
756	760	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
757	761	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
758	762	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
759	763	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
760	758	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
761	759	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
762	764	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
763	765	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
764	766	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
765	767	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
766	768	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
767	769	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
768	770	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
769	771	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
770	772	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
771	773	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
772	774	Beam	Angle	0.00	28	28	-	-	8	-	1050.0	Y
773	775	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
774	793	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
775	794	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
776	795	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.17 MEMBERS

Mbr. No.	Line No.	Member	Rotation		Cross-Section		Hinge No.		Ecc. No.	Div. No.	Length L [mm]	
			Type	β [°]	Start	End	Start	End				
777	796	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
778	797	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
779	798	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
780	799	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
781	800	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
782	801	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
783	802	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
784	803	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
785	804	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
786	805	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
787	806	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
788	807	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
789	808	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
790	809	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
791	810	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
793	776	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
794	777	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
795	778	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
796	779	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
797	780	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
798	781	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
799	782	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
800	783	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
801	784	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
802	785	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
803	786	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
804	787	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
805	788	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
806	789	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
807	790	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
808	791	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
809	792	Beam	Angle	0.00	1	1	-	-	17	-	500.0	X
810	812	Beam	Angle	0.00	28	28	-	-	8	-	475.0	Y
811	813	Beam	Angle	0.00	28	28	-	-	8	-	1100.0	Y
1070	89	Beam	Angle	0.00	2	2	-	-	2	-	150.0	X
1071	34	Beam	Angle	0.00	1	1	-	-	2	-	150.0	X
1072	91	Beam	Angle	0.00	1	1	-	-	2	-	50.0	X
1073	7	Beam	Angle	0.00	1	1	-	-	2	-	300.0	X
1074	50	Beam	Angle	0.00	1	1	-	-	2	-	400.0	X
1075	90	Beam	Angle	0.00	2	2	-	-	2	-	150.0	X
1076	9	Beam	Angle	0.00	2	2	-	-	2	-	50.0	X
1077	65	Beam	Angle	0.00	1	1	-	-	2	-	450.0	X
1078	94	Beam	Angle	0.00	1	1	-	-	2	-	250.0	X
1079	96	Beam	Angle	0.00	2	2	-	-	2	-	150.0	X
1080	97	Beam	Angle	0.00	2	2	-	-	2	-	50.0	X
1081	10	Beam	Angle	0.00	2	2	-	-	2	-	50.0	X
1082	35	Beam	Angle	0.00	1	1	-	-	2	-	150.0	X
1083	41	Beam	Angle	0.00	1	1	-	-	2	-	50.0	X
1084	49	Beam	Angle	0.00	1	1	-	-	2	-	300.0	X
1085	99	Beam	Angle	0.00	1	1	-	-	2	-	400.0	X
1086	64	Beam	Angle	0.00	1	1	-	-	2	-	450.0	X
1087	101	Beam	Angle	0.00	1	1	-	-	2	-	250.0	X
1088	1072	Beam	Angle	0.00	16	16	-	-	-	-	50.0	X
1089	1073	Beam	Angle	0.00	16	16	-	-	-	-	50.0	X
1090	11	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1091	52	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1092	100	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1093	104	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1094	107	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1095	110	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1096	113	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1097	116	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1099	122	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1100	125	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1101	128	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1102	131	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1103	134	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1104	137	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1105	140	Beam	Angle	0.00	27	27	-	-	-	-	3350.0	Y
1172	650	Beam	Angle	0.00	24	24	-	-	-	-	3000.0	Z
1173	5	Beam	Angle	0.00	30	30	-	-	-	-	3000.0	Z
1174	12	Beam	Angle	0.00	30	30	-	-	3	-	3050.0	YZ
1175	15	Beam	Angle	0.00	30	30	-	-	16	-	3000.0	Z
1176	16	Beam	Angle	0.00	30	30	-	-	-	-	3000.0	Z
1177	17	Beam	Angle	0.00	30	30	-	-	3	-	3050.0	YZ
1178	19	Beam	Angle	0.00	30	30	-	-	16	-	3000.0	Z

1.19 MEMBER ELASTIC FOUNDATIONS

Found. No.	Member No.	$C_{1,x}$ [kN/m ²]	$C_{1,y}$ [kN/m ²]	$C_{1,z}$ [kN/m ²]	$C_{2,x}$ [kN]	$C_{2,y}$ [kN]	$C_{2,z}$ [kN]	C_{ϕ} [kNm/rad/m]
1	1,2,4,6,8,18,38,40,213-218,226,1070,1075,1076,1079-1081	1000000.000	1000000.000	1000000.000	1000000.000	1000000.000	1000000.000	1000000.000





LOADS

Project: Projects Model: Unit 10000x3400 Date: 20/04/2016
 Complete unit 10000x3400

2.1 LOAD CASES

Load Case	Load Case Description	EN 1990 NBN Action Category	Self-Weight - Factor in Direction			
			Active	X	Y	Z
LC1	Eigen gewicht	Permanent	<input checked="" type="checkbox"/>	0.000	0.000	-1.000
LC2	Vloerbelasting	Imposed - Category A: domestic, residential areas	<input type="checkbox"/>			
LC3	Sneeuw	Snow (H ≤ 1000 m a.s.l.)	<input type="checkbox"/>			
LC4	Plafondgewicht	Permanent	<input type="checkbox"/>			

2.1.1 LOAD CASES - CALCULATION PARAMETERS

Load Case	Load Case Description	Calculation Parameters	
		Method of analysis	Activate stiffness factors of:
LC1	Eigen gewicht	Method of analysis : <input checked="" type="radio"/> Geometrically linear analysis Method for solving system of nonlinear algebraic equations : <input checked="" type="radio"/> Newton-Raphson	
LC2	Vloerbelasting	Method of analysis : <input checked="" type="radio"/> Geometrically linear analysis Method for solving system of nonlinear algebraic equations : <input checked="" type="radio"/> Newton-Raphson Activate stiffness factors of:	<input checked="" type="checkbox"/> Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) <input checked="" type="checkbox"/> Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
LC3	Sneeuw	Method of analysis : <input checked="" type="radio"/> Geometrically linear analysis Method for solving system of nonlinear algebraic equations : <input checked="" type="radio"/> Newton-Raphson Activate stiffness factors of:	<input checked="" type="checkbox"/> Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) <input checked="" type="checkbox"/> Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)
LC4	Plafondgewicht	Method of analysis : <input checked="" type="radio"/> Geometrically linear analysis Method for solving system of nonlinear algebraic equations : <input checked="" type="radio"/> Newton-Raphson Activate stiffness factors of:	<input checked="" type="checkbox"/> Cross-sections (factor for J, I _y , I _z , A, A _y , A _z) <input checked="" type="checkbox"/> Members (factor for GJ, EI _y , EI _z , EA, GA _y , GA _z)

2.7 RESULT COMBINATIONS

Result Combin.	Description	Loading
RC1	1.0*LC1/p + 1.0*LC4/p	LC4/p
RC2	1.0*LC2	LC2/v
RC3	1.0*LC3	LC3/v
RC4		1.35*RC1/p + 1.50*RC2/p + 0.75*RC3/v + 0.75*RC3/v
RC5		1.35*RC1/p + 1.05*RC2/v + 1.50*RC3/p + 1.50*RC3/p
RC6		RC1/p to RC2/p + 0.50*RC3/v + 0.50*RC3/v
RC7		RC1/p + 0.70*RC2/v + RC3/p + RC3/p
RC8		RC1/p + 0.50*RC2/v + 0.00*RC3/v + 0.00*RC3/v
RC9		RC1/p + 0.30*RC2/v + 0.00*RC3/p + 0.00*RC3/p
RC10		RC1/p + 0.30*RC2/v + 0.00*RC3/v + 0.00*RC3/v
RC11	ULS (STR/GEO) - Permanent / transient - Eq. 6.10	RC4/p to RC5/p
RC12	SLS - Characteristic	RC6/p to RC7/p
RC13	SLS - Frequent	RC8/p to RC9/p
RC14	SLS - Quasi-permanent	RC10/p

3.15 GENERATED LOADS

LC2: Vloerbelasting

LC2
Vloerbelasting

No.	Load Description																			
1	From Area Loads via Plane																			
	Area load direction	Perpendicular to the plane : <input checked="" type="checkbox"/> z																		
	Member load direction	Direction of generated member loads: : <input checked="" type="checkbox"/> Local in x, y, z																		
	Area of load application	<input checked="" type="checkbox"/> Fully closed plane																		
	Load distribution type:	<input checked="" type="checkbox"/> Combined																		
	Area load magnitude	<input checked="" type="checkbox"/> Constant : 3.00 kN/m ²																		
	Boundary of the area load plane	Corner nodes : 63,21,65,66 Note : Each row in the drop down list box denotes one plane																		
	Generating total loads in direction	<table border="0"> <tr> <td>Σ P_{Areas}</td> <td>X</td> <td>: 0.000 kN</td> </tr> <tr> <td></td> <td>Y</td> <td>: 0.000 kN</td> </tr> <tr> <td></td> <td>Z</td> <td>: -100.556 kN</td> </tr> <tr> <td>Σ P_{Members}</td> <td>X</td> <td>: 0.000 kN</td> </tr> <tr> <td></td> <td>Y</td> <td>: 0.000 kN</td> </tr> <tr> <td></td> <td>Z</td> <td>: -100.556 kN</td> </tr> </table>	Σ P _{Areas}	X	: 0.000 kN		Y	: 0.000 kN		Z	: -100.556 kN	Σ P _{Members}	X	: 0.000 kN		Y	: 0.000 kN		Z	: -100.556 kN
	Σ P _{Areas}	X	: 0.000 kN																	
		Y	: 0.000 kN																	
		Z	: -100.556 kN																	
	Σ P _{Members}	X	: 0.000 kN																	
		Y	: 0.000 kN																	
		Z	: -100.556 kN																	
	Total moment to the origin	<table border="0"> <tr> <td>Σ M_{Areas}</td> <td>X</td> <td>: -150.740 kNm</td> </tr> <tr> <td></td> <td>Y</td> <td>: 552.806 kNm</td> </tr> <tr> <td></td> <td>Z</td> <td>: 0.000 kNm</td> </tr> <tr> <td>Σ M_{Members}</td> <td>X</td> <td>: -150.735 kNm</td> </tr> <tr> <td></td> <td>Y</td> <td>: 552.748 kNm</td> </tr> <tr> <td></td> <td>Z</td> <td>: 0.000 kNm</td> </tr> </table>	Σ M _{Areas}	X	: -150.740 kNm		Y	: 552.806 kNm		Z	: 0.000 kNm	Σ M _{Members}	X	: -150.735 kNm		Y	: 552.748 kNm		Z	: 0.000 kNm
Σ M _{Areas}	X	: -150.740 kNm																		
	Y	: 552.806 kNm																		
	Z	: 0.000 kNm																		
Σ M _{Members}	X	: -150.735 kNm																		
	Y	: 552.748 kNm																		
	Z	: 0.000 kNm																		
Cells selected for generating	<table border="0"> <tr> <td>Σ number of cells</td> <td>: 61</td> </tr> <tr> <td>Σ cell area</td> <td>: 33518749.1 mm²</td> </tr> </table>	Σ number of cells	: 61	Σ cell area	: 33518749.1 mm ²															
Σ number of cells	: 61																			
Σ cell area	: 33518749.1 mm ²																			
Convert loads to members No.	1-4,6-13,16,18,19,24-33,35-40,42-48,51,54-57,60-63,66,69-81,83,84,86,213-218,226,6																			



LOADS

Project: Projects Model: Unit 10000x3400
 Complete unit 10000x3400

Date: 20/04/2016

3.15 GENERATED LOADS

LC2: Vloerbelasting

No.	Load Description
	695,709-712,735-737, 739-791,793-811, 1070-1087

LC3
Sneeuw

3.15 GENERATED LOADS

LC3: Sneeuw

No.	Load Description
1	From Snow Loads (Flat/Monopitch Roof)
Snow load parameters	According to Standard : EN 1991-1-3 National Annex : Belgium Altitude A : 60.000 m Ground snow load s _k : 0.50 kN/m ²
Coefficients	Exposure C _e : 1.00 Thermal coefficient C _t : 1.00
Roof geometry	Node A : 235 B : 192 C : 195 D : 237
Generate LC	<input checked="" type="checkbox"/> LC s1 : LC3
Create load type	<input checked="" type="radio"/> Member loads
Load distribution type	<input checked="" type="radio"/> Combined
Generate snow loads on members No.	: 20,34,41,49,50,52,53, 58,59,64,65,67,68, 87-105,107,111,137, 139,207-209,227-230, 332,333,677,681, 1088-1097,1099-1105
Parameters	A _R : 33400005.3 m ² α : 0.0 ° S _k : 0.50 kN/m ² μ ₁ : 0.800 s ₁ : 0.40 kN/m ²
Generated total loads	Σ P Areas : 13.395 kN Σ P : 11.685 kN
Total moment to the origin	Σ M Areas : 76.342 kNm Σ M : 59.431 kNm
Cells selected for generating	Σ number of cells : 14 Σ cell area : 29212000.4 mm ²

LC4
Plafondgewicht

3.15 GENERATED LOADS

LC4: Plafondgewicht

No.	Load Description
1	From Area Loads via Plane
Area load direction	Perpendicular to the plane : <input checked="" type="checkbox"/> z
Member load direction	Direction of generated member loads: : <input checked="" type="checkbox"/> Local in x, y, z
Area of load application	<input checked="" type="checkbox"/> Fully closed plane
Load distribution type:	<input checked="" type="checkbox"/> Combined
Area load magnitude	<input checked="" type="checkbox"/> Constant : 0.28 kN/m ²
Boundary of the area load plane	Corner nodes : 739,192,195,236 Note : Each row in the drop down list box denotes one plane
Generating total loads in direction	Σ P Areas X : 0.000 kN Y : 0.000 kN Z : -9.371 kN Σ P Members X : 0.000 kN Y : 0.000 kN Z : -9.371 kN



LOADS

Project: Projects Model: Unit 10000x3400 Date: 20/04/2016
 Complete unit 10000x3400

3.15 GENERATED LOADS

LC4: Plafondgewicht

No.	Load Description			
	Total moment to the origin	ΣM_{Areas}	X	: -14.066 kNm
			Y	: 51.585 kNm
			Z	: 0.000 kNm
		$\Sigma M_{Members}$	X	: -14.073 kNm
			Y	: 51.676 kNm
			Z	: 0.000 kNm
Cells selected for generating	Σ number of cells	: 16		
	Σ cell area	: 33466504.3 mm ²		
Convert loads to members No.		: 14,15,20,34,41,49,50, 52,53,58,59,64,65,67, 68,87-89,91-107,111, 137,139,207-209, 227-229,332,677,681, 1088-1097,1099-1105		



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

4.0 RESULTS - SUMMARY

Description	Value	Unit	Comment
Eigen gewicht			
Sum of loads in X	0.00	kN	
Sum of support reactions in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support reactions in Y	0.00	kN	
Sum of loads in Z	-10.14	kN	
Sum of support reactions in Z	-10.14	kN	
Resultant of reactions about X	-0.012	kNm	Deviation -0.00%
Resultant of reactions about Y	-0.002	kNm	At center of gravity of model (X:5497.710, Y:1492.160, Z:1044.840 mm)
Resultant of reactions about Z	0.000	kNm	At center of gravity of model
Max. displacement in X	-0.0	mm	Member No. 648, x: 2000.1 mm
Max. displacement in Y	0.4	mm	Member No. 1177, x: 2033.4 mm
Max. displacement in Z	-1.4	mm	Member No. 1092, x: 1675.0 mm
Max. vector displacement	1.4	mm	Member No. 1092, x: 1675.0 mm
Max. rotation about X	-1.3	mrad	Member No. 1096, x: 3350.0 mm
Max. rotation about Y	-0.2	mrad	Member No. 788, x: 222.2 mm
Max. rotation about Z	-0.0	mrad	Member No. 98, x: 387.5 mm
Method of analysis	Linear		Geometrically linear analysis
Stiffness reduction multiplied by coefficient	<input type="checkbox"/>		
Number of load increments	1		
Number of iterations	1		
Vloerbelasting			
Sum of loads in X	0.00	kN	
Sum of support reactions in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support reactions in Y	0.00	kN	
Sum of loads in Z	-100.56	kN	
Sum of support reactions in Z	-100.56	kN	
Resultant of reactions about X	-0.621	kNm	Deviation -0.00%
Resultant of reactions about Y	-0.015	kNm	At center of gravity of model (X:5497.710, Y:1492.160, Z:1044.840 mm)
Resultant of reactions about Z	-0.002	kNm	At center of gravity of model
Max. displacement in X	-0.3	mm	Member No. 744, x: 450.0 mm
Max. displacement in Y	-0.2	mm	Member No. 80, x: 500.0 mm
Max. displacement in Z	-3.9	mm	Member No. 740, x: 450.0 mm
Max. vector displacement	3.9	mm	Member No. 740, x: 450.0 mm
Max. rotation about X	3.9	mrad	Member No. 24, x: 0.0 mm
Max. rotation about Y	-3.2	mrad	Member No. 788, x: 166.7 mm
Max. rotation about Z	0.3	mrad	Member No. 16, x: 600.0 mm
Method of analysis	Linear		Geometrically linear analysis
Stiffness reduction multiplied by coefficient	<input type="checkbox"/>		
Number of load increments	1		
Number of iterations	1		
Sneeuw			
Sum of loads in X	0.00	kN	
Sum of support reactions in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support reactions in Y	0.00	kN	
Sum of loads in Z	-11.68	kN	
Sum of support reactions in Z	-11.68	kN	
Resultant of reactions about X	-0.093	kNm	Deviation -0.00%
Resultant of reactions about Y	-7.479	kNm	At center of gravity of model (X:5497.710, Y:1492.160, Z:1044.840 mm)
Resultant of reactions about Z	-0.001	kNm	At center of gravity of model
Max. displacement in X	0.3	mm	Member No. 1178, x: 2333.3 mm
Max. displacement in Y	3.0	mm	Member No. 1177, x: 2033.4 mm
Max. displacement in Z	-12.8	mm	Member No. 1097, x: 1675.0 mm
Max. vector displacement	12.8	mm	Member No. 1097, x: 1675.0 mm
Max. rotation about X	-11.9	mrad	Member No. 1097, x: 3350.0 mm
Max. rotation about Y	0.4	mrad	Member No. 88, x: 465.0 mm
Max. rotation about Z	-0.1	mrad	Member No. 98, x: 387.5 mm
Method of analysis	Linear		Geometrically linear analysis
Stiffness reduction multiplied by coefficient	<input type="checkbox"/>		
Number of load increments	1		
Number of iterations	1		
Plafondgewicht			
Sum of loads in X	0.00	kN	
Sum of support reactions in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support reactions in Y	0.00	kN	
Sum of loads in Z	-9.37	kN	
Sum of support reactions in Z	-9.37	kN	
Resultant of reactions about X	-0.093	kNm	Deviation 0.00%
Resultant of reactions about Y	0.158	kNm	At center of gravity of model (X:5497.710, Y:1492.160, Z:1044.840 mm)
Resultant of reactions about Z	-0.001	kNm	At center of gravity of model
Max. displacement in X	-0.1	mm	Member No. 648, x: 2000.1 mm
Max. displacement in Y	2.1	mm	Member No. 1177, x: 2033.4 mm
Max. displacement in Z	-11.3	mm	Member No. 1097, x: 1675.0 mm
Max. vector displacement	11.3	mm	Member No. 1097, x: 1675.0 mm
Max. rotation about X	-10.6	mrad	Member No. 1097, x: 3350.0 mm
Max. rotation about Y	-0.3	mrad	Member No. 106, x: 204.4 mm
Max. rotation about Z	-0.1	mrad	Member No. 98, x: 387.5 mm
Method of analysis	Linear		Geometrically linear analysis
Stiffness reduction multiplied by coefficient	<input type="checkbox"/>		
Number of load increments	1		
Number of iterations	1		
Summary			
Max. displacement in X	-0.3	mm	LC2, Member No. 744, x: 450.0 mm
Max. displacement in Y	3.0	mm	LC3, Member No. 1177, x: 2033.4 mm
Max. displacement in Z	-12.8	mm	LC3, Member No. 1097, x: 1675.0 mm
Max. vector displacement	12.8	mm	LC3, Member No. 1097, x: 1675.0 mm
Max. rotation about X	-11.9	mrad	LC3, Member No. 1097, x: 3350.0 mm



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

■ 4.0 RESULTS - SUMMARY

Description	Value	Unit	Comment																																	
Max. rotation about Y	-3.2	mrad	LC2, Member No. 788, x: 166.7 mm																																	
Max. rotation about Z	0.3	mrad	LC2, Member No. 16, x: 600.0 mm																																	
Other Settings	<table style="width: 100%; border-collapse: collapse;"> <tr><td>Number of 1D finite elements</td><td style="text-align: right;">:</td><td>247</td></tr> <tr><td>Number of 2D finite elements</td><td style="text-align: right;">:</td><td>0</td></tr> <tr><td>Number of 3D finite elements</td><td style="text-align: right;">:</td><td>0</td></tr> <tr><td>Number of FE mesh nodes</td><td style="text-align: right;">:</td><td>163</td></tr> <tr><td>Number of equations</td><td style="text-align: right;">:</td><td>978</td></tr> <tr><td>Max. number of iterations</td><td style="text-align: right;">:</td><td>100</td></tr> <tr><td>Number of divisions for member results</td><td style="text-align: right;">:</td><td>10</td></tr> <tr><td>Division of cable/foundation/tapered members</td><td style="text-align: right;">:</td><td>10</td></tr> <tr><td>Number of member divisions for searching maximum values</td><td style="text-align: right;">:</td><td>10</td></tr> <tr><td>Subdivisions of FE mesh for graphical results</td><td style="text-align: right;">:</td><td>3</td></tr> <tr><td>Percentage of iterations according to Picard method in combination with Newton-Raphson method</td><td style="text-align: right;">:</td><td>5 %</td></tr> </table>			Number of 1D finite elements	:	247	Number of 2D finite elements	:	0	Number of 3D finite elements	:	0	Number of FE mesh nodes	:	163	Number of equations	:	978	Max. number of iterations	:	100	Number of divisions for member results	:	10	Division of cable/foundation/tapered members	:	10	Number of member divisions for searching maximum values	:	10	Subdivisions of FE mesh for graphical results	:	3	Percentage of iterations according to Picard method in combination with Newton-Raphson method	:	5 %
Number of 1D finite elements	:	247																																		
Number of 2D finite elements	:	0																																		
Number of 3D finite elements	:	0																																		
Number of FE mesh nodes	:	163																																		
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Subdivisions of FE mesh for graphical results	:	3																																		
Percentage of iterations according to Picard method in combination with Newton-Raphson method	:	5 %																																		
Options	<table style="width: 100%; border-collapse: collapse;"> <tr><td><input checked="" type="checkbox"/> Activate shear stiffness of members (Ay, Az)</td><td></td></tr> <tr><td><input checked="" type="checkbox"/> Activate member divisions for large deformation or post-critical analysis</td><td></td></tr> <tr><td><input checked="" type="checkbox"/> Activate entered stiffness modifications</td><td></td></tr> <tr><td><input type="checkbox"/> Ignore rotational degrees of freedom</td><td></td></tr> <tr><td><input checked="" type="checkbox"/> Check of critical forces of members</td><td></td></tr> <tr><td><input type="checkbox"/> Nonsymmetric direct solver if demanded by nonlinear model</td><td></td></tr> <tr><td>Method for the system of equations</td><td style="text-align: right;"> <input checked="" type="radio"/> Direct <input type="radio"/> Iteration <input checked="" type="radio"/> Mindlin <input type="radio"/> Kirchhoff </td></tr> <tr><td>Plate bending theory</td><td style="text-align: right;"> <input type="radio"/> Kirchhoff <input checked="" type="radio"/> 64-bit </td></tr> <tr><td>Solver version</td><td style="text-align: right;"> <input type="radio"/> 32-bit <input checked="" type="radio"/> 64-bit </td></tr> </table>			<input checked="" type="checkbox"/> Activate shear stiffness of members (Ay, Az)		<input checked="" type="checkbox"/> Activate member divisions for large deformation or post-critical analysis		<input checked="" type="checkbox"/> Activate entered stiffness modifications		<input type="checkbox"/> Ignore rotational degrees of freedom		<input checked="" type="checkbox"/> Check of critical forces of members		<input type="checkbox"/> Nonsymmetric direct solver if demanded by nonlinear model		Method for the system of equations	<input checked="" type="radio"/> Direct <input type="radio"/> Iteration <input checked="" type="radio"/> Mindlin <input type="radio"/> Kirchhoff	Plate bending theory	<input type="radio"/> Kirchhoff <input checked="" type="radio"/> 64-bit	Solver version	<input type="radio"/> 32-bit <input checked="" type="radio"/> 64-bit															
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Method for the system of equations	<input checked="" type="radio"/> Direct <input type="radio"/> Iteration <input checked="" type="radio"/> Mindlin <input type="radio"/> Kirchhoff																																			
Plate bending theory	<input type="radio"/> Kirchhoff <input checked="" type="radio"/> 64-bit																																			
Solver version	<input type="radio"/> 32-bit <input checked="" type="radio"/> 64-bit																																			
Precision and Tolerance	<input type="checkbox"/> Change default setting																																			



RF-STEEL EC3
 CA1
 Design of steel members
 according to Eurocode 3

Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

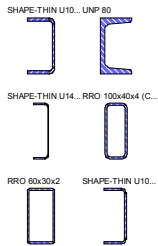
1.1 GENERAL DATA

Members to design:	All
Sets of members to design:	
Ultimate Limit State Design	RC11
Result combinations to design:	ULS (STR/GEO) - Permanent / transient - Eq. 6.10

1.2 MATERIALS

Matl. No.	Material Description	E- Modulus E [kN/cm ²]	Shear Modulus G [kN/cm ²]	Poisson's Ratio ν [-]	Yield Stress f_{yk} [kN/cm ²]	Max. Thickness t [mm]
1	Steel S 235 JR EN 10025-2:2004-11	21000.00	8076.92	0.300	23.50	16.0
					22.50	40.0
					21.50	100.0
					19.50	150.0
					18.50	200.0
5	Steel S 235 EN 1993-1-1:2005-05	21000.00	8076.92	0.300	23.50	40.0
					21.50	80.0
					21.50	100.0
					19.50	150.0
					18.50	200.0
					17.50	250.0
					16.50	400.0

1.3 CROSS-SECTIONS



Sect. No.	Matl. No.	Cross-Section Description	Cross-Section Type	Max Design Ratio	Comment
1	1	SHAPE-THIN U100X50X5 Type General - Only Class 3 possible	General	0.66	
2	1	SHAPE-THIN U100X50X5 Type General - Only Class 3 possible	General	0.11	
15	5	UNP 80 SZS	Channel rolled	0.05	
16	5	SHAPE-THIN U140X40X3 Type General - Only Class 3 possible	General	0.46	
24	1	RRO 100x40x4 (Cold Formed)	Box rolled	0.01	
27	1	RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)	Box rolled	0.67	
28	1	SHAPE-THIN U100X40X3 Type General - Only Class 3 possible	General	0.24	
30	1	QRO 40x2 (Cold Formed)	Box rolled	0.22	

QRO 40x2 (Cold F...)



1.5 EFFECTIVE LENGTHS - MEMBERS

Member No.	Buckling Possible	Buckling About Axis y		Buckling About Axis z			Lateral-Torsional Buckling					
		Possible	$k_{cr,y}$	$L_{cr,y}$ [mm]	Possible	$k_{cr,z}$	$L_{cr,z}$ [mm]	Possible	k_z	k_w	L_w [mm]	L_T [mm]
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	301.0	<input checked="" type="checkbox"/>	1.00	301.0	<input checked="" type="checkbox"/>	1.0	1.0	301.0	301.0
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	300.0	<input checked="" type="checkbox"/>	1.00	300.0	<input checked="" type="checkbox"/>	1.0	1.0	300.0	300.0
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	200.0	<input checked="" type="checkbox"/>	1.00	200.0	<input checked="" type="checkbox"/>	1.0	1.0	200.0	200.0
4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	300.0	<input checked="" type="checkbox"/>	1.00	300.0	<input checked="" type="checkbox"/>	1.0	1.0	300.0	300.0
6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	300.0	<input checked="" type="checkbox"/>	1.00	300.0	<input checked="" type="checkbox"/>	1.0	1.0	300.0	300.0
7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	100.0	<input checked="" type="checkbox"/>	1.00	100.0	<input checked="" type="checkbox"/>	1.0	1.0	100.0	100.0
9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	200.0	<input checked="" type="checkbox"/>	1.00	200.0	<input checked="" type="checkbox"/>	1.0	1.0	200.0	200.0
13	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	575.0	<input checked="" type="checkbox"/>	1.00	575.0	<input checked="" type="checkbox"/>	1.0	1.0	575.0	575.0
14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	40.0	<input checked="" type="checkbox"/>	1.00	40.0	<input checked="" type="checkbox"/>	1.0	1.0	40.0	40.0
15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	160.0	<input checked="" type="checkbox"/>	1.00	160.0	<input checked="" type="checkbox"/>	1.0	1.0	160.0	160.0
16	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
18	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	100.0	<input checked="" type="checkbox"/>	1.00	100.0	<input checked="" type="checkbox"/>	1.0	1.0	100.0	100.0
19	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	160.0	<input checked="" type="checkbox"/>	1.00	160.0	<input checked="" type="checkbox"/>	1.0	1.0	160.0	160.0
24	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
26	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
27	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
28	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
29	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
31	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
32	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
33	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
34	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	40.0	<input checked="" type="checkbox"/>	1.00	40.0	<input checked="" type="checkbox"/>	1.0	1.0	40.0	40.0
35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
36	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
37	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	100.0	<input checked="" type="checkbox"/>	1.00	100.0	<input checked="" type="checkbox"/>	1.0	1.0	100.0	100.0
39	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	125.0	<input checked="" type="checkbox"/>	1.00	125.0	<input checked="" type="checkbox"/>	1.0	1.0	125.0	125.0



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.5 EFFECTIVE LENGTHS - MEMBERS

Member No.	Buckling		Buckling About Axis y		Buckling About Axis z			Lateral-Torsional Buckling					
	Possible		Possible	$k_{cr,y}$	$L_{cr,y}$ [mm]	Possible	$k_{cr,z}$	$L_{cr,z}$ [mm]	Possible	k_z	k_w	L_w [mm]	L_T [mm]
41	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
42	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
43	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
45	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
46	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
47	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
48	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
49	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
51	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
52	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
53	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
54	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
56	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
57	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
58	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	220.0	<input checked="" type="checkbox"/>	1.00	220.0	<input checked="" type="checkbox"/>	1.0	1.0	220.0	220.0
60	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
61	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
62	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
63	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
64	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	220.0	<input checked="" type="checkbox"/>	1.00	220.0	<input checked="" type="checkbox"/>	1.0	1.0	220.0	220.0
65	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
66	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
67	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
68	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
69	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
70	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
71	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
72	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
73	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
74	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
75	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
76	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
77	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
78	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
79	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
80	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
81	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	575.0	<input checked="" type="checkbox"/>	1.00	575.0	<input checked="" type="checkbox"/>	1.0	1.0	575.0	575.0
83	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	200.0	<input checked="" type="checkbox"/>	1.00	200.0	<input checked="" type="checkbox"/>	1.0	1.0	200.0	200.0
84	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	200.0	<input checked="" type="checkbox"/>	1.00	200.0	<input checked="" type="checkbox"/>	1.0	1.0	200.0	200.0
86	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
87	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
88	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
89	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
90	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	40.0	<input checked="" type="checkbox"/>	1.00	40.0	<input checked="" type="checkbox"/>	1.0	1.0	40.0	40.0
91	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	40.0	<input checked="" type="checkbox"/>	1.00	40.0	<input checked="" type="checkbox"/>	1.0	1.0	40.0	40.0
92	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
93	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
94	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
95	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
96	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
97	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
98	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
99	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
101	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
102	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
103	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
104	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
105	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.00	620.0	<input checked="" type="checkbox"/>	1.0	1.0	620.0	620.0
106	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	460.0	<input checked="" type="checkbox"/>	1.00	460.0	<input checked="" type="checkbox"/>	1.0	1.0	460.0	460.0
107	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	460.0	<input checked="" type="checkbox"/>	1.00	460.0	<input checked="" type="checkbox"/>	1.0	1.0	460.0	460.0
111	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	570.0	<input checked="" type="checkbox"/>	1.00	570.0	<input checked="" type="checkbox"/>	1.0	1.0	570.0	570.0
137	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	400.0	<input checked="" type="checkbox"/>	1.00	400.0	<input checked="" type="checkbox"/>	1.0	1.0	400.0	400.0
139	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	120.0	<input checked="" type="checkbox"/>	1.00	120.0	<input checked="" type="checkbox"/>	1.0	1.0	120.0	120.0
207	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	400.0	<input checked="" type="checkbox"/>	1.00	400.0	<input checked="" type="checkbox"/>	1.0	1.0	400.0	400.0
208	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	120.0	<input checked="" type="checkbox"/>	1.00	120.0	<input checked="" type="checkbox"/>	1.0	1.0	120.0	120.0
209	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	570.0	<input checked="" type="checkbox"/>	1.00	570.0	<input checked="" type="checkbox"/>	1.0	1.0	570.0	570.0
213	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	25.0	<input checked="" type="checkbox"/>	1.00	25.0	<input checked="" type="checkbox"/>	1.0	1.0	25.0	25.0
214	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.0	1.0	150.0	150.0
215	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.0	1.0	150.0	150.0
216	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.0	1.0	150.0	150.0
217	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.0	1.0	50.0	50.0
218	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.0	1.0	150.0	150.0
226	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	100.0	<input checked="" type="checkbox"/>	1.00	100.0	<input checked="" type="checkbox"/>	1.0	1.0	100.0	100.0
227	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
228	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	475.0	<input checked="" type="checkbox"/>	1.00	475.0	<input checked="" type="checkbox"/>	1.0	1.0	475.0	475.0
229	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.00	1200.0	<input checked="" type="checkbox"/>	1.0	1.0	1200.0	1200.0
230	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	575.0	<input checked="" type="checkbox"/>	1.00	575.0	<input checked="" type="checkbox"/>	1.0	1.0	575.0	575.0
332													



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.5 EFFECTIVE LENGTHS - MEMBERS

Member No.	Buckling		Buckling About Axis y		Buckling About Axis z			Lateral-Torsional Buckling				
	Possible	Possible	$k_{cr,y}$	$L_{cr,y}$ [mm]	Possible	$k_{cr,z}$	$L_{cr,z}$ [mm]	Possible	k_z	k_w	L_w [mm]	L_T [mm]
735	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
736	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
737	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
739	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	475.0	<input checked="" type="checkbox"/>	1.00	475.0	<input checked="" type="checkbox"/>	1.0	1.0	475.0	475.0
740	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
741	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
742	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
743	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
744	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
745	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
746	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
747	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
748	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
749	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
750	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
751	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
752	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
753	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
754	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
755	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
756	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
757	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
758	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
759	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
760	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
761	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
762	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
763	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
764	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
765	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
766	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
767	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
768	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
769	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
770	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
771	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
772	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.00	1050.0	<input checked="" type="checkbox"/>	1.0	1.0	1050.0	1050.0
773	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
774	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
775	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
776	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
777	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
778	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
779	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
780	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
781	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
782	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
783	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
784	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
785	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
786	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
787	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
788	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
789	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
790	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
791	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
793	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
794	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
795	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
796	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
797	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
798	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
799	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
800	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
801	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
802	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
803	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
804	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
805	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
806	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
807	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
808	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
809	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.00	500.0	<input checked="" type="checkbox"/>	1.0	1.0	500.0	500.0
810	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	475.0	<input checked="" type="checkbox"/>	1.00	475.0	<input checked="" type="checkbox"/>	1.0	1.0	475.0	475.0
811	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.00	1100.0	<input checked="" type="checkbox"/>	1.0	1.0	1100.0	1100.0
1070	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.0	1.0	150.0	150.0
1071	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.0	1.0	150.0	150.0
1072	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.0	1.0	50.0	50.0
1073	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	300.0	<input checked="" type="checkbox"/>	1.00	300.0	<input checked="" type="checkbox"/>	1.0	1.0	300.0	300.0
1074	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	400.0	<input checked="" type="checkbox"/>	1.00	400.0	<input checked="" type="checkbox"/>	1.0	1.0	400.0	400.0
1075	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.0	1.0	150.0	150.0
1076	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.0	1.0	50.0	50.0
1077	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	450.0	<input checked="" type="checkbox"/>	1.00	450.0	<input checked="" type="checkbox"/>	1.0	1.0	450.0	450.0
1078	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	250.0	<input checked="" type="checkbox"/>	1.00	250.0	<input checked="" type="checkbox"/>	1.0	1.0	250.0	250.0
1079	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.0	1.0	150.0	150.0
1080	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.0	1.0	50.0	50.0
1081	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.0	1.0	50.0	50.0
1082	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.00	150.0	<input checked="" type="checkbox"/>	1.0	1.0		



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.5 EFFECTIVE LENGTHS - MEMBERS

Member No.	Buckling Possible	Buckling About Axis y		Buckling About Axis z			Lateral-Torsional Buckling					
		Possible	$k_{cr,y}$	$L_{cr,y}$ [mm]	Possible	$k_{cr,z}$	$L_{cr,z}$ [mm]	Possible	k_z	k_w	L_w [mm]	L_T [mm]
1089	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.00	50.0	<input checked="" type="checkbox"/>	1.0	1.0	50.0	50.0
1090	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1091	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1092	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1093	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1094	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1095	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1096	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1097	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1099	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1101	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1102	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1103	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1104	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1105	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3350.0	<input checked="" type="checkbox"/>	1.00	3350.0	<input type="checkbox"/>	1.0	1.0	3350.0	3350.0
1172	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3000.0	<input checked="" type="checkbox"/>	1.00	3000.0	<input type="checkbox"/>	1.0	1.0	3000.0	3000.0
1173	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3000.0	<input checked="" type="checkbox"/>	1.00	3000.0	<input type="checkbox"/>	1.0	1.0	3000.0	3000.0
1174	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3050.0	<input checked="" type="checkbox"/>	1.00	3050.0	<input type="checkbox"/>	1.0	1.0	3050.0	3050.0
1175	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3000.0	<input checked="" type="checkbox"/>	1.00	3000.0	<input type="checkbox"/>	1.0	1.0	3000.0	3000.0
1176	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3000.0	<input checked="" type="checkbox"/>	1.00	3000.0	<input type="checkbox"/>	1.0	1.0	3000.0	3000.0
1177	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3050.0	<input checked="" type="checkbox"/>	1.00	3050.0	<input type="checkbox"/>	1.0	1.0	3050.0	3050.0
1178	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.00	3000.0	<input checked="" type="checkbox"/>	1.00	3000.0	<input type="checkbox"/>	1.0	1.0	3000.0	3000.0

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
1	Cross-Section	2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
2	Cross-Section	2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
3	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
4	Cross-Section	2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
6	Cross-Section	2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
7	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
8	Cross-Section	2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
9	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
10	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
11	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
12	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
13	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
14	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
	Cross-sectional area for tension design	<input type="checkbox"/>
15	Cross-Section	<input type="checkbox"/> 16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
16	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
18	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
19	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
20	Cross-Section	<input type="checkbox"/> 16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
24	Cross-Section	<input type="checkbox"/> 28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
25	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
26	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
27	Cross-Section	<input type="checkbox"/> 28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
28	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
29	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
30	Cross-Section	<input type="checkbox"/> 28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
31	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
32	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
33	Cross-Section	<input type="checkbox"/> 28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
34	Cross-Section	<input type="checkbox"/> 16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
35	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
36	Cross-Section	<input type="checkbox"/> 28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
37	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
38	Cross-Section	2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
39	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
40	Cross-Section	2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
41	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
42	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
43	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
44	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
45	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
46	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
47	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
48	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
49	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
50	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
51	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
52	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
53	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
54	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
55	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
56	Cross-Section	1 - SHAPE-THIN U100X50X5



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
57	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
58	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
59	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
60	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
61	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
62	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
63	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
64	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
65	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
66	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
67	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
68	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
69	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
70	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
71	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
72	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
73	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
74	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
75	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
76	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
77	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
78	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
79	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
80	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
81	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
83	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
84	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
86	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
87	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
88	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
89	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
90	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
91	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
92	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
93	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
94	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
95	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
96	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
97	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
98	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
99	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
100	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
101	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
102	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
103	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
104	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
105	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
106	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
107	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
111	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
137	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
139	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
207	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
208	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
209	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
213	Cross-Section	2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
	Cross-sectional area for tension design	<input type="checkbox"/>
214	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
215	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
216	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
217	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
218	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
226	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
227	Cross-Section	<input type="checkbox"/> 15 - UNP 80 SZS
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
228	Cross-Section	<input type="checkbox"/> 15 - UNP 80 SZS
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
229	Cross-Section	<input type="checkbox"/> 15 - UNP 80 SZS
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
230	Cross-Section	<input type="checkbox"/> 15 - UNP 80 SZS
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
332	Cross-Section	<input type="checkbox"/> 15 - UNP 80 SZS
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
333	Cross-Section	<input type="checkbox"/> 15 - UNP 80 SZS
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
648	Cross-Section	<input type="checkbox"/> 24 - RRO 100x40x4 (Cold Formed)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
650	Cross-Section	<input type="checkbox"/> 24 - RRO 100x40x4 (Cold Formed)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
677	Cross-Section	<input type="checkbox"/> 15 - UNP 80 SZS
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
681	Cross-Section	<input type="checkbox"/> 15 - UNP 80 SZS
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
693	Cross-Section	<input type="checkbox"/> 24 - RRO 100x40x4 (Cold Formed)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
695	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
709	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
710	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
711	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
712	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
735	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
736	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
737	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
739	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
740	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
741	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
742	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
743	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
744	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
745	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
746	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
747	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
748	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
749	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
750	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
751	Cross-Section	28 - SHAPE-THIN U100X40X3



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
752	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
753	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
754	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
755	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
756	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
757	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
758	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
759	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
760	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
761	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
762	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
763	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
764	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
765	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
766	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
767	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
768	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
769	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
770	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
771	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
772	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
773	Cross-Section	28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
774	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
775	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
776	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
777	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
778	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
779	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
780	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
781	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
782	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
783	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
784	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
785	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
786	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
787	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
788	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
789	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
790	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
791	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
793	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
794	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
795	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
796	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
797	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
798	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
799	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
800	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
801	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
802	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
803	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
804	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
805	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
806	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
807	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
808	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
	Cross-sectional area for tension design	<input type="checkbox"/>
809	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
810	Cross-Section	<input type="checkbox"/> 28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
811	Cross-Section	<input type="checkbox"/> 28 - SHAPE-THIN U100X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1070	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1071	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1072	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1073	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1074	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1075	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1076	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1077	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1078	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1079	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1080	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1081	Cross-Section	<input type="checkbox"/> 2 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1082	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1083	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1084	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1085	Cross-Section	<input type="checkbox"/> 1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1086	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1087	Cross-Section	1 - SHAPE-THIN U100X50X5
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1088	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1089	Cross-Section	16 - SHAPE-THIN U140X40X3
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1090	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1091	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1092	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1093	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1094	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1095	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1096	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1097	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1099	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1100	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1101	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1102	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>



Project: Projects Model: Unit 10000x3400 Date: 20/04/2016
 Complete unit 10000x3400

1.12 PARAMETERS - MEMBERS

Member No.	Description	Parameter
1103	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1104	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1105	Cross-Section	27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1172	Cross-Section	24 - RRO 100x40x4 (Cold Formed)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1173	Cross-Section	30 - QRO 40x2 (Cold Formed)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1174	Cross-Section	30 - QRO 40x2 (Cold Formed)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1175	Cross-Section	30 - QRO 40x2 (Cold Formed)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1176	Cross-Section	30 - QRO 40x2 (Cold Formed)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1177	Cross-Section	30 - QRO 40x2 (Cold Formed)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>
1178	Cross-Section	30 - QRO 40x2 (Cold Formed)
	Shear panel	<input type="checkbox"/>
	Rotational restraint	<input type="checkbox"/>
	Cross-sectional area for tension design	<input type="checkbox"/>

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design	Design No.	Description	
1	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	150.5	RC11	0.06	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.11	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	150.5	RC11	0.06	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
2	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	150.0	RC11	0.07	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.10	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	150.0	RC11	0.07	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
3	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.00	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.09	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7
	0.0	RC11	0.14	≤ 1	133)	Cross-section check - Torsion and shear force acc. to 6.2.7(5)
	0.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.15	≤ 1	148)	Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	100.0	RC11	0.10	≤ 1	168)	Cross-section check - Biaxial bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
0.0	RC11	0.19	≤ 1	271)	Cross-section check - Axial stress and torsion - Elastic design	
4	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	150.0	RC11	0.06	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	300.0	RC11	0.11	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	150.0	RC11	0.06	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
6 Cross-section No. 2 - SHAPE-THIN U100X50X5						
	150.0	RC11	0.06	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	300.0	RC11	0.11	≤ 1	122)	
	150.0	RC11	0.06	≤ 1	143)	
7 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	250.0	RC11	0.06	≤ 1	112)	
	0.0	RC11	0.02	≤ 1	122)	
	250.0	RC11	0.06	≤ 1	143)	
	500.0	RC11	0.10	≤ 1	163)	
8 Cross-section No. 2 - SHAPE-THIN U100X50X5						
	100.0	RC11	0.06	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.08	≤ 1	122)	
	100.0	RC11	0.06	≤ 1	143)	
9 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	250.0	RC11	0.09	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.00	≤ 1	122)	
	250.0	RC11	0.09	≤ 1	143)	
10 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	250.0	RC11	0.10	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.00	≤ 1	122)	
	250.0	RC11	0.10	≤ 1	143)	
11 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	500.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.15	≤ 1	112)	
	0.0	RC11	0.04	≤ 1	122)	
	0.0	RC11	0.15	≤ 1	143)	
	500.0	RC11	0.03	≤ 1	163)	
12 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	0.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Torsion acc. to 6.2.7 Cross-section check - Torsion and shear force acc. to 6.2.7(5) Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Axial stress and torsion - Elastic design
	0.0	RC11	0.00	≤ 1	122)	
	0.0	RC11	0.09	≤ 1	131)	
	0.0	RC11	0.15	≤ 1	133)	
	0.0	RC11	0.01	≤ 1	143)	
	0.0	RC11	0.16	≤ 1	148)	
	200.0	RC11	0.06	≤ 1	168)	
	0.0	RC11	0.20	≤ 1	271)	
	0.0	RC11	0.00	≤ 1	101)	
13 Cross-section No. 28 - SHAPE-THIN U100X40X3						
	0.0	RC11	0.00	≤ 1	112)	Cross-section check - Tension acc. to 6.2.3 Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
	0.0	RC11	0.17	≤ 1	122)	
	575.0	RC11	0.03	≤ 1	122)	
	0.0	RC11	0.17	≤ 1	143)	
	0.0	RC11	0.24	≤ 1	223)	
14 Cross-section No. 16 - SHAPE-THIN U140X40X3						
	0.0	RC11	0.03	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.02	≤ 1	122)	
	0.0	RC11	0.03	≤ 1	143)	
	0.0	RC11	0.05	≤ 1	163)	
15 Cross-section No. 16 - SHAPE-THIN U140X40X3						
	160.0	RC11	0.05	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.01	≤ 1	122)	
	160.0	RC11	0.05	≤ 1	143)	
16 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	600.0	RC11	0.10	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - C
	0.0	RC11	0.09	≤ 1	122)	
	0.0	RC11	0.00	≤ 1	124)	



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
18	600.0	RC11	0.10	≤ 1	143)	Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.58	≤ 1	163)	
	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
100.0	RC11	0.04	≤ 1	122)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
19	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	1100.0	RC11	0.03	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	366.7	RC11	0.02	≤ 1	117)	
	1100.0	RC11	0.09	≤ 1	122)	
	0.0	RC11	0.00	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
	1100.0	RC11	0.03	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	366.7	RC11	0.02	≤ 1	153)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	1100.0	RC11	0.60	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
Cross-section No. 16 - SHAPE-THIN U140X40X3						
20	160.0	RC11	0.05	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.01	≤ 1	122)	
	160.0	RC11	0.05	≤ 1	143)	
24	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	600.0	RC11	0.19	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	117)	
	0.0	RC11	0.04	≤ 1	122)	
	600.0	RC11	0.19	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	153)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	900.0	RC11	0.21	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
Cross-section No. 1 - SHAPE-THIN U100X50X5						
25	250.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.07	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
	500.0	RC11	0.07	≤ 1	143)	
	0.0	RC11	0.05	≤ 1	163)	
26	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.08	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
	500.0	RC11	0.08	≤ 1	143)	
0.0	RC11	0.06	≤ 1	163)		
27	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	900.0	RC11	0.19	≤ 1	112)	
	0.0	RC11	0.04	≤ 1	122)	
	900.0	RC11	0.19	≤ 1	143)	
0.0	RC11	0.01	≤ 1	163)		
28	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.07	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.01	≤ 1	122)	
	0.0	RC11	0.07	≤ 1	143)	
500.0	RC11	0.07	≤ 1	163)		
29	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.01	≤ 1	122)	
	250.0	RC11	0.08	≤ 1	143)	
0.0	RC11	0.08	≤ 1	163)		



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
30	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	600.0	RC11	0.16	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	600.0	RC11	0.16	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	900.0	RC11	0.15	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
31	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	500.0	RC11	0.00	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.00	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.08	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
32	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	500.0	RC11	0.00	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.00	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.08	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
33	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	900.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	600.0	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.02	≤ 1	117)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3
	1200.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	600.0	RC11	0.08	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.02	≤ 1	153)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	600.0	RC11	0.11	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
34	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.02	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.05	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
35	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	500.0	RC11	0.07	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.02	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.07	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.10	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
36	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	300.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	0.0	RC11	0.00	≤ 1	101)	Cross-section check - Tension acc. to 6.2.3
	1200.0	RC11	0.00	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	1200.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	1200.0	RC11	0.00	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	1200.0	RC11	0.10	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	0.0	RC11	0.01	≤ 1	203)	Cross-section check - Bending about z-axis, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
37	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	500.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	0.0	RC11	0.14	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.14	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.02	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
38	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.06	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	100.0	RC11	0.08	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.06	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
39	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	1200.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	600.0	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	1200.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - C



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	600.0	RC11	0.08	≤ 1	143)	Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	1200.0	RC11	0.10	≤ 1	163)	
Cross-section No. 2 - SHAPE-THIN U100X50X5						
40	0.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	125.0	RC11	0.07	≤ 1	122)	
	0.0	RC11	0.04	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 16 - SHAPE-THIN U140X40X3					
41	620.0	RC11	0.11	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.02	≤ 1	122)	
	620.0	RC11	0.11	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	163)	
Cross-section No. 28 - SHAPE-THIN U100X40X3						
42	600.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	600.0	RC11	0.10	≤ 1	112)	
	1200.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	600.0	RC11	0.10	≤ 1	143)	
	300.0	RC11	0.09	≤ 1	163)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 1 - SHAPE-THIN U100X50X5					
43	0.0	RC11	0.10	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.01	≤ 1	122)	
	0.0	RC11	0.10	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 1 - SHAPE-THIN U100X50X5					
44	0.0	RC11	0.09	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.01	≤ 1	122)	
	0.0	RC11	0.09	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 28 - SHAPE-THIN U100X40X3					
45	600.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	600.0	RC11	0.10	≤ 1	112)	
	1200.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	600.0	RC11	0.10	≤ 1	143)	
	250.0	RC11	0.07	≤ 1	163)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 1 - SHAPE-THIN U100X50X5					
46	250.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.08	≤ 1	112)	
	500.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.08	≤ 1	143)	
	500.0	RC11	0.06	≤ 1	163)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 1 - SHAPE-THIN U100X50X5					
47	250.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.07	≤ 1	112)	
	500.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.07	≤ 1	143)	
	500.0	RC11	0.05	≤ 1	163)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 28 - SHAPE-THIN U100X40X3					
48	600.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	600.0	RC11	0.09	≤ 1	112)	
	1200.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	600.0	RC11	0.09	≤ 1	143)	
	300.0	RC11	0.08	≤ 1	163)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 16 - SHAPE-THIN U140X40X3					
49	620.0	RC11	0.11	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.02	≤ 1	122)	
	620.0	RC11	0.11	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	163)	



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
50	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	310.0	RC11	0.09	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	620.0	RC11	0.01	≤ 1	122)	
	310.0	RC11	0.09	≤ 1	143)	
0.0	RC11	0.12	≤ 1	163)		
51	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	300.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.07	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
0.0	RC11	0.07	≤ 1	143)		
52	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	310.0	RC11	0.09	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	620.0	RC11	0.01	≤ 1	122)	
	310.0	RC11	0.09	≤ 1	143)	
0.0	RC11	0.12	≤ 1	163)		
53	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.05	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	620.0	RC11	0.03	≤ 1	122)	
	0.0	RC11	0.05	≤ 1	143)	
620.0	RC11	0.10	≤ 1	163)		
54	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	1200.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	600.0	RC11	0.09	≤ 1	112)	
	1200.0	RC11	0.04	≤ 1	122)	
	600.0	RC11	0.09	≤ 1	143)	
300.0	RC11	0.08	≤ 1	163)		
55	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.09	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
	500.0	RC11	0.09	≤ 1	143)	
0.0	RC11	0.02	≤ 1	163)		
56	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.08	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
	500.0	RC11	0.08	≤ 1	143)	
0.0	RC11	0.02	≤ 1	163)		
57	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	600.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	600.0	RC11	0.10	≤ 1	112)	
	1200.0	RC11	0.04	≤ 1	122)	
	600.0	RC11	0.10	≤ 1	143)	
250.0	RC11	0.07	≤ 1	163)		
58	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	620.0	RC11	0.10	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	620.0	RC11	0.03	≤ 1	122)	
620.0	RC11	0.10	≤ 1	143)		
59	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.22	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7 Cross-section check - Torsion and shear force acc. to 6.2.7(5) Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Axial stress and torsion - Elastic design
	220.0	RC11	0.28	≤ 1	133)	
	220.0	RC11	0.20	≤ 1	148)	
220.0	RC11	0.32	≤ 1	271)		
60	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	600.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - C
	600.0	RC11	0.10	≤ 1	112)	
1200.0	RC11	0.04	≤ 1	122)		



Project: Projects Model: Unit 10000x3400 Date: 20/04/2016
 Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	600.0	RC11	0.10	≤ 1	143)	Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	300.0	RC11	0.09	≤ 1	163)	
61	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	500.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.07	≤ 1	112)	
	500.0	RC11	0.01	≤ 1	117)	
	500.0	RC11	0.02	≤ 1	122)	
	0.0	RC11	0.07	≤ 1	143)	
	500.0	RC11	0.01	≤ 1	153)	
	0.0	RC11	0.10	≤ 1	163)	
Cross-section No. 1 - SHAPE-THIN U100X50X5						
62	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	500.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	250.0	RC11	0.05	≤ 1	112)	
	500.0	RC11	0.01	≤ 1	117)	
	500.0	RC11	0.02	≤ 1	122)	
	250.0	RC11	0.05	≤ 1	143)	
	500.0	RC11	0.01	≤ 1	153)	
	0.0	RC11	0.09	≤ 1	163)	
Cross-section No. 28 - SHAPE-THIN U100X40X3						
63	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	1200.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	600.0	RC11	0.08	≤ 1	112)	
	1200.0	RC11	0.04	≤ 1	122)	
	600.0	RC11	0.08	≤ 1	143)	
	1200.0	RC11	0.10	≤ 1	163)	
Cross-section No. 16 - SHAPE-THIN U140X40X3						
64	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.23	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7 Cross-section check - Torsion and shear force acc. to 6.2.7(5) Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Axial stress and torsion - Elastic design
	220.0	RC11	0.28	≤ 1	133)	
	220.0	RC11	0.20	≤ 1	148)	
220.0	RC11	0.32	≤ 1	271)		
65	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	620.0	RC11	0.07	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	122)	
	620.0	RC11	0.07	≤ 1	143)	
620.0	RC11	0.10	≤ 1	163)		
66	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	300.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.07	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
0.0	RC11	0.07	≤ 1	143)		
67	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	620.0	RC11	0.07	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	122)	
	620.0	RC11	0.07	≤ 1	143)	
620.0	RC11	0.10	≤ 1	163)		
68	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	310.0	RC11	0.10	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	310.0	RC11	0.10	≤ 1	143)	
620.0	RC11	0.11	≤ 1	163)		
69	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	900.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	600.0	RC11	0.11	≤ 1	112)	
	1200.0	RC11	0.03	≤ 1	122)	
	600.0	RC11	0.11	≤ 1	143)	
300.0	RC11	0.10	≤ 1	163)		
70	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	250.0	RC11	0.02	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	250.0	RC11	0.02	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.09	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
71	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	250.0	RC11	0.02	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	250.0	RC11	0.02	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.08	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
72	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	600.0	RC11	0.15	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	600.0	RC11	0.15	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	900.0	RC11	0.14	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
73	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.00	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	250.0	RC11	0.08	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.09	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
74	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.00	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	250.0	RC11	0.08	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.08	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
75	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	900.0	RC11	0.18	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	900.0	RC11	0.18	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.01	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
76	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	0.0	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.08	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.07	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
77	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	0.0	RC11	0.07	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.07	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.07	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
78	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	600.0	RC11	0.18	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	117)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	600.0	RC11	0.18	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	153)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	900.0	RC11	0.21	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
79	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.19	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.02	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.00	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - C



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	250.0	RC11	0.19	≤ 1	143)	Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.31	≤ 1	163)	
80	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.06	≤ 1	122)	
	0.0	RC11	0.01	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.26	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
81	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	101)	Cross-section check - Tension acc. to 6.2.3
	0.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	575.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	287.5	RC11	0.15	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	0.0	RC11	0.23	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
83	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	200.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	200.0	RC11	0.00	≤ 1	122)	
	0.0	RC11	0.08	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7
	200.0	RC11	0.14	≤ 1	133)	Cross-section check - Torsion and shear force acc. to 6.2.7(5)
	200.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	200.0	RC11	0.16	≤ 1	148)	Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	100.0	RC11	0.11	≤ 1	168)	Cross-section check - Biaxial bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	200.0	RC11	0.20	≤ 1	271)	Cross-section check - Axial stress and torsion - Elastic design
	84	Cross-section No. 1 - SHAPE-THIN U100X50X5				
200.0		RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
200.0		RC11	0.00	≤ 1	122)	
0.0		RC11	0.09	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7
200.0		RC11	0.15	≤ 1	133)	Cross-section check - Torsion and shear force acc. to 6.2.7(5)
200.0		RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
200.0		RC11	0.17	≤ 1	148)	Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
0.0		RC11	0.07	≤ 1	168)	Cross-section check - Biaxial bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
200.0	RC11	0.21	≤ 1	271)	Cross-section check - Axial stress and torsion - Elastic design	
86	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	500.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.06	≤ 1	122)	
	0.0	RC11	0.01	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.27	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
87	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	310.0	RC11	0.10	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	310.0	RC11	0.10	≤ 1	143)	
	620.0	RC11	0.10	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
88	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.05	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	620.0	RC11	0.01	≤ 1	122)	
	0.0	RC11	0.09	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7
	620.0	RC11	0.12	≤ 1	133)	Cross-section check - Torsion and shear force acc. to 6.2.7(5)
	0.0	RC11	0.05	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.10	≤ 1	148)	Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	620.0	RC11	0.05	≤ 1	168)	Cross-section check - Biaxial bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
0.0	RC11	0.14	≤ 1	271)	Cross-section check - Axial stress and torsion - Elastic design	
89	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	620.0	RC11	0.01	≤ 1	122)	
0.0	RC11	0.09	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7	



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	620.0	RC11	0.11	≤ 1	133)	Cross-section check - Torsion and shear force acc. to 6.2.7(5) Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Axial stress and torsion - Elastic design
	0.0	RC11	0.04	≤ 1	143)	
	0.0	RC11	0.10	≤ 1	148)	
	620.0	RC11	0.02	≤ 1	163)	
	620.0	RC11	0.05	≤ 1	168)	
	0.0	RC11	0.14	≤ 1	271)	
90	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	40.0	RC11	0.03	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Torsion acc. to 6.2.7 Cross-section check - Torsion and shear force acc. to 6.2.7(5) Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Axial stress and torsion - Elastic design
	40.0	RC11	0.01	≤ 1	122)	
	0.0	RC11	0.09	≤ 1	131)	
	40.0	RC11	0.12	≤ 1	133)	
	40.0	RC11	0.03	≤ 1	143)	
	40.0	RC11	0.06	≤ 1	168)	
	40.0	RC11	0.12	≤ 1	271)	
91	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	40.0	RC11	0.01	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Torsion acc. to 6.2.7 Cross-section check - Torsion and shear force acc. to 6.2.7(5) Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Axial stress and torsion - Elastic design
	0.0	RC11	0.09	≤ 1	131)	
	40.0	RC11	0.11	≤ 1	133)	
	40.0	RC11	0.03	≤ 1	163)	
	40.0	RC11	0.06	≤ 1	168)	
	40.0	RC11	0.11	≤ 1	271)	
92	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	310.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	620.0	RC11	0.04	≤ 1	122)	
	310.0	RC11	0.04	≤ 1	143)	
	620.0	RC11	0.20	≤ 1	163)	
93	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	310.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	620.0	RC11	0.04	≤ 1	122)	
	310.0	RC11	0.04	≤ 1	143)	
	620.0	RC11	0.20	≤ 1	163)	
94	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.11	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	620.0	RC11	0.02	≤ 1	122)	
	0.0	RC11	0.11	≤ 1	143)	
	620.0	RC11	0.03	≤ 1	163)	
95	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.11	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	620.0	RC11	0.02	≤ 1	122)	
	0.0	RC11	0.11	≤ 1	143)	
	620.0	RC11	0.03	≤ 1	163)	
96	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	310.0	RC11	0.09	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.01	≤ 1	122)	
	310.0	RC11	0.09	≤ 1	143)	
	620.0	RC11	0.11	≤ 1	163)	
97	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	310.0	RC11	0.09	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.01	≤ 1	122)	
	310.0	RC11	0.09	≤ 1	143)	
	620.0	RC11	0.11	≤ 1	163)	
98	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.06	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	122)	
	0.0	RC11	0.06	≤ 1	143)	



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
99	0.0	RC11	0.11	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.08	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
100	0.0	RC11	0.11	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	500.0	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.02	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.10	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7
	500.0	RC11	0.14	≤ 1	133)	Cross-section check - Torsion and shear force acc. to 6.2.7(5)
	500.0	RC11	0.08	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.12	≤ 1	148)	Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.00	≤ 1	158)	Cross-section check - Bending about z-axis, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.17	≤ 1	168)	Cross-section check - Biaxial bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.20	≤ 1	271)	Cross-section check - Axial stress and torsion - Elastic design
101	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	500.0	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.02	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.10	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7
	500.0	RC11	0.14	≤ 1	133)	Cross-section check - Torsion and shear force acc. to 6.2.7(5)
	500.0	RC11	0.08	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.16	≤ 1	148)	Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
102	500.0	RC11	0.20	≤ 1	271)	Cross-section check - Axial stress and torsion - Elastic design
	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.06	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	620.0	RC11	0.01	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.06	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
103	0.0	RC11	0.07	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.05	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	620.0	RC11	0.01	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
104	0.0	RC11	0.05	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.07	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	620.0	RC11	0.07	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
105	0.0	RC11	0.00	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	620.0	RC11	0.07	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.05	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	Cross-section No. 16 - SHAPE-THIN U140X40X3					
106	620.0	RC11	0.07	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.02	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	460.0	RC11	0.03	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.04	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
107	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	460.0	RC11	0.03	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.02	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	460.0	RC11	0.03	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
107	0.0	RC11	0.04	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
111	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	260.0	RC11	0.03	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	260.0	RC11	0.03	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.18	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
137	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.13	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7
	0.0	RC11	0.18	≤ 1	133)	Cross-section check - Torsion and shear force acc. to 6.2.7(5)
	0.0	RC11	0.20	≤ 1	148)	Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.25	≤ 1	271)	Cross-section check - Axial stress and torsion - Elastic design
139	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.40	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7
	0.0	RC11	0.46	≤ 1	133)	Cross-section check - Torsion and shear force acc. to 6.2.7(5)
	0.0	RC11	0.16	≤ 1	148)	Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	120.0	RC11	0.11	≤ 1	168)	Cross-section check - Biaxial bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
207	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.12	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7
	0.0	RC11	0.17	≤ 1	133)	Cross-section check - Torsion and shear force acc. to 6.2.7(5)
	0.0	RC11	0.20	≤ 1	148)	Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	400.0	RC11	0.04	≤ 1	168)	Cross-section check - Biaxial bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
208	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.39	≤ 1	131)	Cross-section check - Torsion acc. to 6.2.7
	0.0	RC11	0.45	≤ 1	133)	Cross-section check - Torsion and shear force acc. to 6.2.7(5)
	0.0	RC11	0.16	≤ 1	148)	Cross-section check - Bending, shear force and torsion acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.45	≤ 1	271)	Cross-section check - Axial stress and torsion - Elastic design
209	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	260.0	RC11	0.03	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	260.0	RC11	0.03	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.18	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
213	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.10	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	25.0	RC11	0.01	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.10	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
214	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	150.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.08	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
215	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	150.0	RC11	0.04	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	75.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.05	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	150.0	RC11	0.00	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
216	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	75.0	RC11	0.04	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	150.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.06	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.00	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
217	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	150.0	RC11	0.04	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	25.0	RC11	0.07	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.02	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
218	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	25.0	RC11	0.07	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	75.0	RC11	0.03	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.06	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design			Design No.	Description
6.2.10 - Class 3 - General cross-section							
226	Cross-section No. 2 - SHAPE-THIN U100X50X5						
	100.0	RC11	0.05	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
	0.0	RC11	0.06	≤ 1	122)		
100.0	RC11	0.05	≤ 1	143)			
227	Cross-section No. 15 - UNP 80 SZS						
	0.0	RC11	0.03	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2 Cross-section check - Shear force in z-axis acc. to 6.2.6 Cross-section check - Shear buckling acc. to 6.2.6(6) Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8	
	1100.0	RC11	0.01	≤ 1	121)		
	0.0	RC11	0.00	≤ 1	126)		
0.0	RC11	0.03	≤ 1	141)			
228	Cross-section No. 15 - UNP 80 SZS						
	475.0	RC11	0.04	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2 Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8	
475.0	RC11	0.04	≤ 1	141)			
229	Cross-section No. 15 - UNP 80 SZS						
	0.0	RC11	0.05	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2 Cross-section check - Shear force in z-axis acc. to 6.2.6 Cross-section check - Shear buckling acc. to 6.2.6(6) Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8	
	1200.0	RC11	0.01	≤ 1	121)		
	0.0	RC11	0.00	≤ 1	126)		
0.0	RC11	0.05	≤ 1	141)			
230	Cross-section No. 15 - UNP 80 SZS						
	575.0	RC11	0.05	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2 Cross-section check - Shear force in z-axis acc. to 6.2.6 Cross-section check - Shear buckling acc. to 6.2.6(6) Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8	
	0.0	RC11	0.00	≤ 1	121)		
	0.0	RC11	0.00	≤ 1	126)		
575.0	RC11	0.05	≤ 1	141)			
332	Cross-section No. 15 - UNP 80 SZS						
	1200.0	RC11	0.03	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2 Cross-section check - Shear force in z-axis acc. to 6.2.6 Cross-section check - Shear buckling acc. to 6.2.6(6) Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8	
	0.0	RC11	0.01	≤ 1	121)		
	0.0	RC11	0.00	≤ 1	126)		
1200.0	RC11	0.03	≤ 1	141)			
333	Cross-section No. 15 - UNP 80 SZS						
	1100.0	RC11	0.04	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2 Cross-section check - Shear force in z-axis acc. to 6.2.6 Cross-section check - Shear buckling acc. to 6.2.6(6) Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8	
	0.0	RC11	0.01	≤ 1	121)		
	0.0	RC11	0.00	≤ 1	126)		
1100.0	RC11	0.04	≤ 1	141)			
648	Cross-section No. 24 - RRO 100x40x4 (Cold Formed)						
	0.0	RC11	0.01	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4 Cross-section check - Bending, shear and axial force acc. to 6.2.9.1 Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9	
	666.7	RC11	0.00	≤ 1	181)		
3000.1	RC11	0.01	≤ 1	221)			
650	Cross-section No. 24 - RRO 100x40x4 (Cold Formed)						
	0.0	RC11	0.01	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4 Cross-section check - Bending, shear and axial force acc. to 6.2.9.1 Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9	
	1000.0	RC11	0.00	≤ 1	181)		
3000.0	RC11	0.01	≤ 1	221)			
677	Cross-section No. 15 - UNP 80 SZS						
	0.0	RC11	0.04	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2 Cross-section check - Shear force in z-axis acc. to 6.2.6 Cross-section check - Shear buckling acc. to 6.2.6(6) Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8	
	575.0	RC11	0.00	≤ 1	121)		
	575.0	RC11	0.00	≤ 1	126)		
0.0	RC11	0.04	≤ 1	141)			
681	Cross-section No. 15 - UNP 80 SZS						
	0.0	RC11	0.05	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2 Cross-section check - Shear force in z-axis acc. to 6.2.6 Cross-section check - Shear buckling acc. to 6.2.6(6) Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8	
	475.0	RC11	0.00	≤ 1	121)		
	475.0	RC11	0.00	≤ 1	126)		
0.0	RC11	0.05	≤ 1	141)			
693	Cross-section No. 24 - RRO 100x40x4 (Cold Formed)						
	0.0	RC11	0.01	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4 Cross-section check - Bending, shear and axial force acc. to 6.2.9.1 Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9	
	1000.0	RC11	0.00	≤ 1	181)		
3000.0	RC11	0.01	≤ 1	221)			
695	Cross-section No. 1 - SHAPE-THIN U100X50X5						
	250.0	RC11	0.28	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3	



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	0.0	RC11	0.01	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	250.0	RC11	0.28	≤ 1	143)	
709	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.28	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	575.0	RC11	0.01	≤ 1	122)	
	0.0	RC11	0.28	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
710	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	1125.0	RC11	0.03	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3
	375.0	RC11	0.01	≤ 1	117)	
	1125.0	RC11	0.09	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.00	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
	1125.0	RC11	0.03	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	375.0	RC11	0.01	≤ 1	153)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	1125.0	RC11	0.58	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
711	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	350.0	RC11	0.28	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	1050.0	RC11	0.01	≤ 1	122)	
	350.0	RC11	0.28	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
712	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	600.0	RC11	0.10	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.09	≤ 1	122)	
	0.0	RC11	0.00	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
	600.0	RC11	0.10	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.58	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
735	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	1100.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.01	≤ 1	112)	
	1100.0	RC11	0.03	≤ 1	117)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3
	1100.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.00	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	1100.0	RC11	0.03	≤ 1	153)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	250.0	RC11	0.19	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
736	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	500.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.06	≤ 1	122)	
	0.0	RC11	0.00	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.26	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
737	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.27	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.02	≤ 1	122)	
	250.0	RC11	0.27	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.30	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
739	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	101)	Cross-section check - Tension acc. to 6.2.3 Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	475.0	RC11	0.17	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	475.0	RC11	0.17	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.11	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	475.0	RC11	0.24	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
740	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	350.0	RC11	0.21	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - C
	1050.0	RC11	0.03	≤ 1	122)	



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	350.0	RC11	0.21	≤ 1	143)	Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	1050.0	RC11	0.13	≤ 1	163)	
741	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	1100.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	366.7	RC11	0.17	≤ 1	112)	
	1100.0	RC11	0.04	≤ 1	122)	
	366.7	RC11	0.17	≤ 1	143)	
	1100.0	RC11	0.01	≤ 1	163)	
742	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	350.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	1050.0	RC11	0.03	≤ 1	122)	
	350.0	RC11	0.01	≤ 1	143)	
	350.0	RC11	0.16	≤ 1	163)	
743	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	1100.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	366.7	RC11	0.10	≤ 1	112)	
	1100.0	RC11	0.04	≤ 1	122)	
	366.7	RC11	0.10	≤ 1	143)	
	366.7	RC11	0.14	≤ 1	163)	
744	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	700.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	122)	
	700.0	RC11	0.08	≤ 1	163)	
745	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	733.3	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	366.7	RC11	0.06	≤ 1	112)	
	1100.0	RC11	0.02	≤ 1	117)	
	0.0	RC11	0.03	≤ 1	122)	
	366.7	RC11	0.06	≤ 1	143)	
	1100.0	RC11	0.02	≤ 1	153)	
	733.3	RC11	0.10	≤ 1	163)	
746	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Compression acc. to 6.2.4 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	0.0	RC11	0.01	≤ 1	102)	
	0.0	RC11	0.03	≤ 1	122)	
	0.0	RC11	0.08	≤ 1	183)	
747	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	733.3	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Tension acc. to 6.2.3 Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section Cross-section check - Bending about z-axis, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
	0.0	RC11	0.00	≤ 1	101)	
	0.0	RC11	0.06	≤ 1	112)	
	0.0	RC11	0.04	≤ 1	122)	
	0.0	RC11	0.06	≤ 1	143)	
	733.3	RC11	0.06	≤ 1	183)	
	1100.0	RC11	0.01	≤ 1	203)	
	0.0	RC11	0.09	≤ 1	223)	
	0.0	RC11	0.00	≤ 1	100)	
748	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	1050.0	RC11	0.06	≤ 1	112)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	122)	
	1050.0	RC11	0.06	≤ 1	143)	
	0.0	RC11	0.07	≤ 1	163)	
749	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6
	0.0	RC11	0.00	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
	0.0	RC11	0.00	≤ 1	143)	



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	0.0	RC11	0.09	≤ 1	163)	6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
750	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	0.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.04	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
751	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	733.3	RC11	0.00	≤ 1	100)	Negligible internal forces
	366.7	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	366.7	RC11	0.04	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	733.3	RC11	0.08	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
752	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	700.0	RC11	0.05	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	700.0	RC11	0.05	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
753	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	733.3	RC11	0.00	≤ 1	100)	Negligible internal forces
	733.3	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	733.3	RC11	0.08	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	850.0	RC11	0.07	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
754	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	0.0	RC11	0.06	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.06	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
755	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	733.3	RC11	0.00	≤ 1	100)	Negligible internal forces
	1100.0	RC11	0.02	≤ 1	117)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	1100.0	RC11	0.02	≤ 1	153)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	733.3	RC11	0.08	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
756	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	0.0	RC11	0.00	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.07	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
757	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	850.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	0.0	RC11	0.06	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.06	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
758	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	0.0	RC11	0.06	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.06	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
759	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	1100.0	RC11	0.02	≤ 1	117)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	1100.0	RC11	0.02	≤ 1	153)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	733.3	RC11	0.08	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
760	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	700.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	122)	
	700.0	RC11	0.04	≤ 1	143)	
761	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	733.3	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	733.3	RC11	0.08	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
	733.3	RC11	0.08	≤ 1	143)	
	850.0	RC11	0.06	≤ 1	163)	
	850.0	RC11	0.06	≤ 1	163)	
762	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.04	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
	0.0	RC11	0.04	≤ 1	143)	
763	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	733.3	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	366.7	RC11	0.04	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
	366.7	RC11	0.04	≤ 1	143)	
	733.3	RC11	0.08	≤ 1	163)	
	733.3	RC11	0.08	≤ 1	163)	
764	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.07	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
	0.0	RC11	0.07	≤ 1	143)	
765	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	1100.0	RC11	0.02	≤ 1	117)	
	0.0	RC11	0.03	≤ 1	122)	
	1100.0	RC11	0.02	≤ 1	153)	
	0.0	RC11	0.09	≤ 1	163)	
	0.0	RC11	0.09	≤ 1	163)	
766	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	1050.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Compression acc. to 6.2.4 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	0.0	RC11	0.00	≤ 1	102)	
	0.0	RC11	0.03	≤ 1	122)	
	0.0	RC11	0.07	≤ 1	183)	
767	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	850.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.06	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
	0.0	RC11	0.06	≤ 1	143)	
768	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	700.0	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	122)	
	700.0	RC11	0.07	≤ 1	163)	
769	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	733.3	RC11	0.00	≤ 1	100)	Negligible internal forces Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	366.7	RC11	0.00	≤ 1	112)	
	0.0	RC11	0.03	≤ 1	122)	
	366.7	RC11	0.00	≤ 1	143)	
	733.3	RC11	0.10	≤ 1	163)	
	733.3	RC11	0.10	≤ 1	163)	
770	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	700.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	122)	
	700.0	RC11	0.01	≤ 1	143)	
	700.0	RC11	0.15	≤ 1	163)	
	700.0	RC11	0.15	≤ 1	163)	



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
771 Cross-section No. 28 - SHAPE-THIN U100X40X3						
	1100.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	366.7	RC11	0.09	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	1100.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	366.7	RC11	0.09	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	366.7	RC11	0.13	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
772 Cross-section No. 28 - SHAPE-THIN U100X40X3						
	350.0	RC11	0.20	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	1050.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	350.0	RC11	0.20	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
773 Cross-section No. 28 - SHAPE-THIN U100X40X3						
	1100.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	366.7	RC11	0.17	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	1100.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	366.7	RC11	0.17	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
774 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	500.0	RC11	0.13	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.13	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.31	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
775 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	0.0	RC11	0.19	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.07	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.19	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
776 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	500.0	RC11	0.03	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.12	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.03	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.65	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
777 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	0.0	RC11	0.02	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.11	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.02	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	250.0	RC11	0.28	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	0.0	RC11	0.51	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
778 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	500.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.06	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.23	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
779 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	250.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.01	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	250.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	250.0	RC11	0.17	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	250.0	RC11	0.24	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
780 Cross-section No. 1 - SHAPE-THIN U100X50X5						
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	0.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.05	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.24	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
781	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	500.0	RC11	0.02	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.10	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.02	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.46	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	203)	Cross-section check - Bending about z-axis, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	0.0	RC11	0.04	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
782	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	0.0	RC11	0.02	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.10	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.02	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.45	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	500.0	RC11	0.04	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
783	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	500.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.05	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.24	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
784	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	250.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.01	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	250.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	250.0	RC11	0.17	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	250.0	RC11	0.24	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
785	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.06	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.23	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
786	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	500.0	RC11	0.02	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.11	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.02	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.52	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	0.0	RC11	0.07	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
	0.0	RC11	0.12	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
787	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	500.0	RC11	0.12	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.12	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.66	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
788	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	500.0	RC11	0.19	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.07	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
789	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	500.0	RC11	0.19	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
789	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.31	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
790	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.28	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.02	≤ 1	122)	
	250.0	RC11	0.28	≤ 1	143)	
0.0	RC11	0.31	≤ 1	163)		
791	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.06	≤ 1	122)	
	0.0	RC11	0.00	≤ 1	124)	
	0.0	RC11	0.01	≤ 1	143)	
0.0	RC11	0.28	≤ 1	163)		
793	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.03	≤ 1	122)	
	0.0	RC11	0.01	≤ 1	143)	
0.0	RC11	0.30	≤ 1	163)		
794	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.18	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.07	≤ 1	122)	
0.0	RC11	0.18	≤ 1	143)		
795	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.12	≤ 1	122)	
	0.0	RC11	0.08	≤ 1	143)	
500.0	RC11	0.63	≤ 1	163)		
796	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4 Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
	0.0	RC11	0.02	≤ 1	112)	
	0.0	RC11	0.10	≤ 1	122)	
	0.0	RC11	0.02	≤ 1	143)	
	0.0	RC11	0.49	≤ 1	183)	
	250.0	RC11	0.27	≤ 1	223)	
0.0	RC11	0.03	≤ 1	102)		
797	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4 Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	500.0	RC11	0.01	≤ 1	112)	
	0.0	RC11	0.05	≤ 1	122)	
	500.0	RC11	0.01	≤ 1	143)	
500.0	RC11	0.22	≤ 1	183)		
798	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4 Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
	250.0	RC11	0.01	≤ 1	112)	
	0.0	RC11	0.01	≤ 1	122)	
	250.0	RC11	0.01	≤ 1	143)	
	250.0	RC11	0.23	≤ 1	223)	
0.0	RC11	0.03	≤ 1	102)		
799	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4 Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
	0.0	RC11	0.01	≤ 1	112)	
	500.0	RC11	0.05	≤ 1	122)	
	0.0	RC11	0.01	≤ 1	143)	
	0.0	RC11	0.16	≤ 1	183)	
0.0	RC11	0.23	≤ 1	223)		
800	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4 Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - C
	500.0	RC11	0.02	≤ 1	112)	
500.0	RC11	0.10	≤ 1	122)		



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
801	500.0	RC11	0.02	≤ 1	143)	Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.31	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	500.0	RC11	0.43	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	0.0	RC11	0.02	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.10	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.02	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.43	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	500.0	RC11	0.02	≤ 1	203)	Cross-section check - Bending about z-axis, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
250.0	RC11	0.22	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section	
802	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	500.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.05	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.23	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
803	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	250.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.01	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	250.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	250.0	RC11	0.23	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
804	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	0.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.05	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.22	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
805	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.03	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	500.0	RC11	0.02	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.10	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.02	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.35	≤ 1	183)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.2 - Class 3 - General cross-section
	500.0	RC11	0.48	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
	Cross-section No. 1 - SHAPE-THIN U100X50X5					
0.0	RC11	0.03	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3	
0.0	RC11	0.12	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4	
0.0	RC11	0.03	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
0.0	RC11	0.62	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
807	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	500.0	RC11	0.18	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.07	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.18	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
808	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	500.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	500.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	500.0	RC11	0.30	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
809	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.26	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	500.0	RC11	0.02	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	250.0	RC11	0.26	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	0.0	RC11	0.30	≤ 1	163)	6.2.10 - Class 3 - General cross-section Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
810	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	0.0	RC11	0.00	≤ 1	101)	Cross-section check - Tension acc. to 6.2.3
	475.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.03	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	475.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	475.0	RC11	0.23	≤ 1	223)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9 - Class 3 - General cross-section
811	Cross-section No. 28 - SHAPE-THIN U100X40X3					
	1100.0	RC11	0.00	≤ 1	100)	Negligible internal forces
	0.0	RC11	0.01	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	1100.0	RC11	0.03	≤ 1	117)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3
	1100.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.00	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.01	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	1100.0	RC11	0.03	≤ 1	153)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	250.0	RC11	0.19	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
1070	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	75.0	RC11	0.03	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	150.0	RC11	0.05	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.00	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
	75.0	RC11	0.03	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
1071	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	150.0	RC11	0.14	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	150.0	RC11	0.05	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	150.0	RC11	0.14	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	75.0	RC11	0.11	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
1072	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	25.0	RC11	0.15	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.05	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.01	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
	25.0	RC11	0.15	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.17	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
1073	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	300.0	RC11	0.17	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	300.0	RC11	0.05	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	300.0	RC11	0.17	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.05	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
1074	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.17	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.17	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	400.0	RC11	0.02	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
1075	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	150.0	RC11	0.07	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.04	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
1076	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.10	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	50.0	RC11	0.07	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.10	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
1077	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	450.0	RC11	0.16	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3
	0.0	RC11	0.01	≤ 1	117)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3
	450.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - C



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	450.0	RC11	0.16	≤ 1	143)	Class 3 or 4 Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	0.0	RC11	0.01	≤ 1	153)	
1078	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.15	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.05	≤ 1	122)	
	0.0	RC11	0.15	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
	250.0	RC11	0.05	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
1079	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.04	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	150.0	RC11	0.07	≤ 1	122)	
	150.0	RC11	0.00	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
0.0	RC11	0.04	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
1080	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	25.0	RC11	0.08	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	50.0	RC11	0.02	≤ 1	122)	
25.0	RC11	0.08	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
1081	Cross-section No. 2 - SHAPE-THIN U100X50X5					
	50.0	RC11	0.11	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.09	≤ 1	122)	
50.0	RC11	0.11	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
1082	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.15	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.05	≤ 1	122)	
	0.0	RC11	0.15	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
75.0	RC11	0.12	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
1083	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.15	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	50.0	RC11	0.06	≤ 1	122)	
	0.0	RC11	0.01	≤ 1	124)	Cross-section check - Shear force in y-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.15	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
50.0	RC11	0.19	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
1084	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.18	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.05	≤ 1	122)	
	0.0	RC11	0.18	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
300.0	RC11	0.06	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
1085	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	400.0	RC11	0.18	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	400.0	RC11	0.05	≤ 1	122)	
	400.0	RC11	0.18	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
0.0	RC11	0.02	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
1086	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	0.0	RC11	0.17	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 3
	450.0	RC11	0.00	≤ 1	117)	
	0.0	RC11	0.05	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.17	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
450.0	RC11	0.00	≤ 1	153)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	
1087	Cross-section No. 1 - SHAPE-THIN U100X50X5					
	250.0	RC11	0.16	≤ 1	112)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 3 Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	250.0	RC11	0.05	≤ 1	122)	
	250.0	RC11	0.16	≤ 1	143)	Cross-section check - Bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
0.0	RC11	0.05	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section	



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
1088	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.20	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
1089	Cross-section No. 16 - SHAPE-THIN U140X40X3					
	0.0	RC11	0.04	≤ 1	122)	Cross-section check - Shear force in z-axis acc. to 6.2.6(4) - Class 3 or 4
	0.0	RC11	0.20	≤ 1	163)	Cross-section check - Biaxial bending and shear force acc. to 6.2.9.2 and 6.2.10 - Class 3 - General cross-section
1090	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.40	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
1091	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.59	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	3350.0	RC11	0.00	≤ 1	116)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.59	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
	3350.0	RC11	0.00	≤ 1	151)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.5 and 6.2.8
1092	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.59	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.00	≤ 1	116)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.59	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
	0.0	RC11	0.00	≤ 1	151)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.5 and 6.2.8
1093	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.59	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	3350.0	RC11	0.00	≤ 1	116)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.59	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
	3350.0	RC11	0.00	≤ 1	151)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.5 and 6.2.8
1094	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.58	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.58	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
1095	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.59	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.59	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
1096	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.59	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.00	≤ 1	116)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.59	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
	0.0	RC11	0.00	≤ 1	151)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.5 and 6.2.8



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

■ 2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
1097	2680.0	RC11	0.20	≤ 1	161)	Cross-section check - Biaxial bending and shear force acc. to 6.2.6, 6.2.7 and 6.2.9
	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.67	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	3350.0	RC11	0.04	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.67	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
1099	3020.0	RC11	0.09	≤ 1	161)	Cross-section check - Biaxial bending and shear force acc. to 6.2.6, 6.2.7 and 6.2.9
	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.59	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	3350.0	RC11	0.00	≤ 1	116)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
1100	1675.0	RC11	0.59	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
	3350.0	RC11	0.00	≤ 1	151)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.5 and 6.2.8
	2680.0	RC11	0.20	≤ 1	161)	Cross-section check - Biaxial bending and shear force acc. to 6.2.6, 6.2.7 and 6.2.9
	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.59	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.00	≤ 1	116)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 1 or 2
1101	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.59	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
	0.0	RC11	0.00	≤ 1	151)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.5 and 6.2.8
	670.0	RC11	0.20	≤ 1	161)	Cross-section check - Biaxial bending and shear force acc. to 6.2.6, 6.2.7 and 6.2.9
	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
1102	1675.0	RC11	0.59	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	3350.0	RC11	0.01	≤ 1	116)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.59	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
	3350.0	RC11	0.01	≤ 1	151)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.5 and 6.2.8
1103	2345.0	RC11	0.31	≤ 1	161)	Cross-section check - Biaxial bending and shear force acc. to 6.2.6, 6.2.7 and 6.2.9
	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.57	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.57	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
1104	1005.0	RC11	0.29	≤ 1	161)	Cross-section check - Biaxial bending and shear force acc. to 6.2.6, 6.2.7 and 6.2.9
	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.59	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.03	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.59	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
1105	2680.0	RC11	0.19	≤ 1	161)	Cross-section check - Biaxial bending and shear force acc. to 6.2.6, 6.2.7 and 6.2.9
	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.42	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.00	≤ 1	116)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.02	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
1105	1675.0	RC11	0.42	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
	0.0	RC11	0.00	≤ 1	151)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.5 and 6.2.8
	670.0	RC11	0.11	≤ 1	161)	Cross-section check - Biaxial bending and shear force acc. to 6.2.6, 6.2.7 and 6.2.9
	Cross-section No. 27 - RRO 60x30x2 ALUKÖNIGSTAHL - EN 10305/5 (DIN 2395)					
	1675.0	RC11	0.26	≤ 1	111)	Cross-section check - Bending about y-axis acc. to 6.2.5 - Class 1 or 2
	0.0	RC11	0.00	≤ 1	116)	Cross-section check - Bending about z-axis acc. to 6.2.5 - Class 1 or 2



Project: Projects

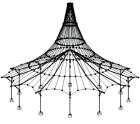
Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

2.4 DESIGN BY MEMBER

Member No.	Location x [mm]	LC/CO/ RC	Design		Design No.	Description
	3350.0	RC11	0.01	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	1675.0	RC11	0.26	≤ 1	141)	Cross-section check - Bending and shear force acc. to 6.2.5 and 6.2.8
	0.0	RC11	0.00	≤ 1	151)	Cross-section check - Bending about z-axis and shear force acc. to 6.2.5 and 6.2.8
	670.0	RC11	0.05	≤ 1	161)	Cross-section check - Biaxial bending and shear force acc. to 6.2.6, 6.2.7 and 6.2.9
1172	Cross-section No. 24 - RRO 100x40x4 (Cold Formed)					
	0.0	RC11	0.01	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	1000.0	RC11	0.00	≤ 1	181)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.1
	3000.0	RC11	0.00	≤ 1	221)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9
1173	Cross-section No. 30 - QRO 40x2 (Cold Formed)					
	0.0	RC11	0.07	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	3000.0	RC11	0.03	≤ 1	201)	Cross-section check - Bending about z-axis, shear and axial force acc. to 6.2.9.1
1174	Cross-section No. 30 - QRO 40x2 (Cold Formed)					
	0.0	RC11	0.07	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	3050.0	RC11	0.01	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	3050.0	RC11	0.21	≤ 1	181)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.1
	3050.0	RC11	0.13	≤ 1	221)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9
1175	Cross-section No. 30 - QRO 40x2 (Cold Formed)					
	0.0	RC11	0.06	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	3000.0	RC11	0.02	≤ 1	201)	Cross-section check - Bending about z-axis, shear and axial force acc. to 6.2.9.1
	3000.0	RC11	0.00	≤ 1	221)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9
1176	Cross-section No. 30 - QRO 40x2 (Cold Formed)					
	0.0	RC11	0.07	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	3000.0	RC11	0.03	≤ 1	201)	Cross-section check - Bending about z-axis, shear and axial force acc. to 6.2.9.1
	0.0	RC11	0.00	≤ 1	221)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9
1177	Cross-section No. 30 - QRO 40x2 (Cold Formed)					
	0.0	RC11	0.07	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	0.0	RC11	0.01	≤ 1	121)	Cross-section check - Shear force in z-axis acc. to 6.2.6
	0.0	RC11	0.00	≤ 1	126)	Cross-section check - Shear buckling acc. to 6.2.6(6)
	3050.0	RC11	0.22	≤ 1	181)	Cross-section check - Bending, shear and axial force acc. to 6.2.9.1
	3050.0	RC11	0.14	≤ 1	221)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9
1178	Cross-section No. 30 - QRO 40x2 (Cold Formed)					
	0.0	RC11	0.06	≤ 1	102)	Cross-section check - Compression acc. to 6.2.4
	3000.0	RC11	0.02	≤ 1	201)	Cross-section check - Bending about z-axis, shear and axial force acc. to 6.2.9.1
	3000.0	RC11	0.01	≤ 1	221)	Cross-section check - Biaxial bending, shear and axial force acc. to 6.2.10 and 6.2.9



Project: Projects

Model: Unit 10000x3400

Date: 20/04/2016

Complete unit 10000x3400

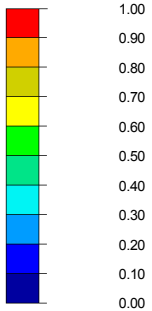
DESIGN: ULTIMATE LIMIT STATE - CROSS-SECTION DESIGN

RF-STEEL EC3 CA1

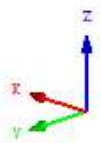
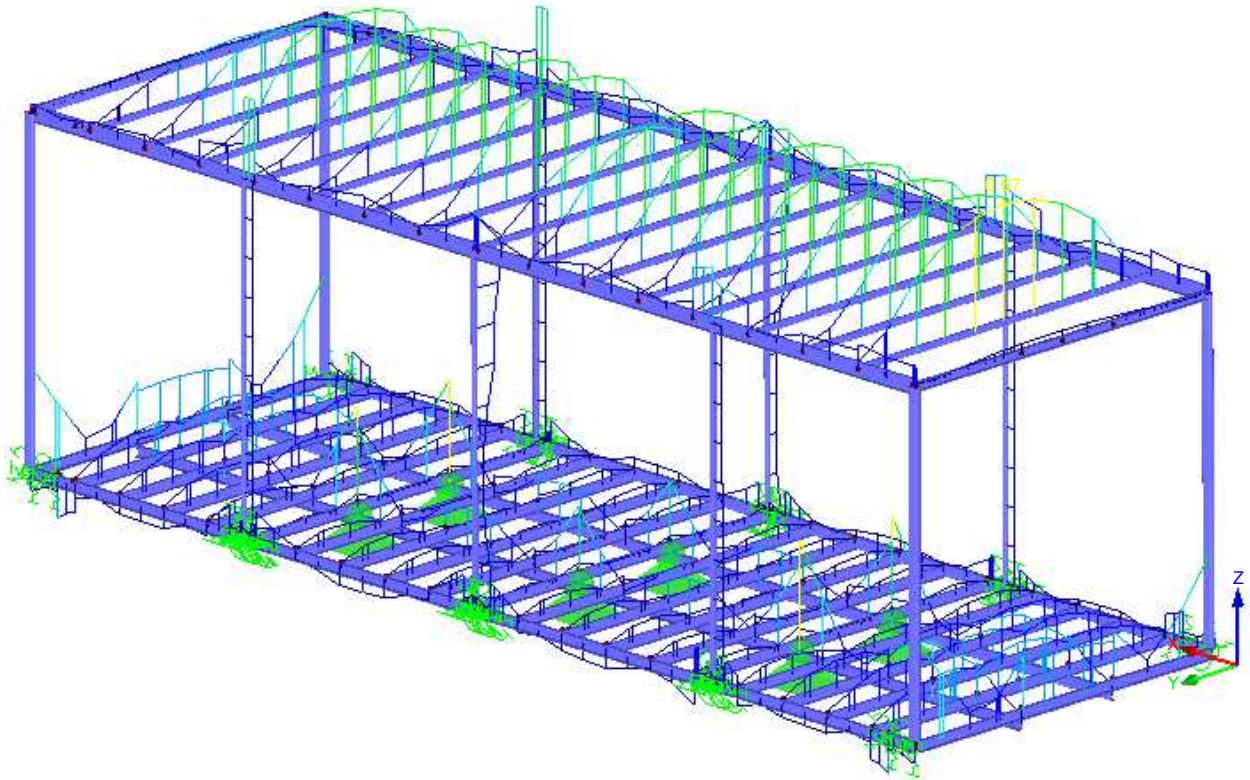
Ultimate Limit State: Cross-Section Design

Isometric

Max
Design Ratio [-]



Max : 0.67
Min : 0.00



Max Design Ratio: 0.67