

Job Information

	Engineer	Checked	Approved
Name:	A.SERPUN		
Date:			

Structure Type | SPACE FRAME

Number of Nodes	119	Highest Node	123
Number of Elements	306	Highest Beam	368

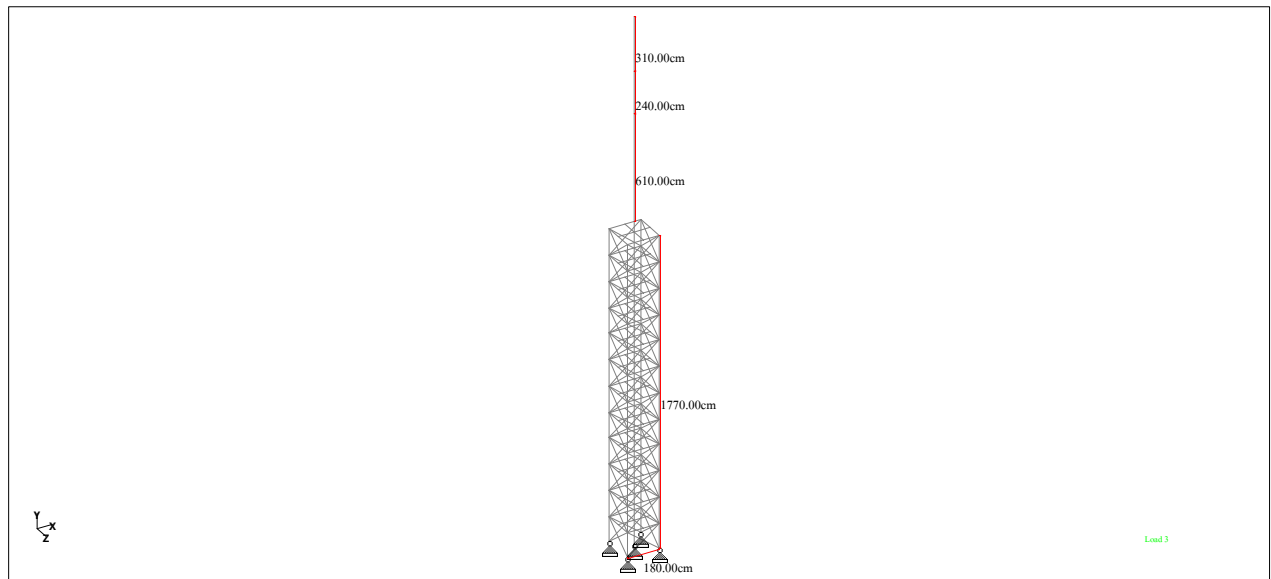
Number of Basic Load Cases	2
Number of Combination Load Cases	1

Included in this printout are data for:

All	The Whole Structure
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Included in this printout are results for load cases:

Type	L/C	Name
Primary	1	LOAD CASE 1 : DL
Primary	2	LOAD CASE 2 : WL
Combination	3	COMBINATION LOAD CASE 3 : 0.75[DL+1]



geometry (Input data was modified after picture taken)



3D Rendered View (Input data was modified after picture taken)

Nodes

Node	X (km)	Y (km)	Z (km)
1	0.005	0.000	0.000
2	0.005	0.006	0.000
3	0.005	0.012	0.000
4	0.005	0.018	0.000
5	0.005	0.024	0.000
6	0.005	0.027	0.000
11	0.004	0.000	0.001
12	0.006	0.000	0.001
13	0.004	0.000	-0.001
14	0.006	0.000	-0.001
15	0.005	0.001	0.000
16	0.004	0.001	0.000
17	0.006	0.001	0.000
18	0.005	0.001	-0.001
19	0.005	0.001	0.001
20	0.004	0.001	0.001
21	0.006	0.001	0.001
22	0.004	0.001	-0.001
23	0.006	0.001	-0.001
24	0.005	0.003	0.000
25	0.004	0.003	0.000
26	0.006	0.003	0.000
27	0.005	0.003	-0.001
28	0.005	0.003	0.001
29	0.004	0.003	0.001
30	0.006	0.003	0.001
31	0.004	0.003	-0.001
32	0.006	0.003	-0.001
33	0.005	0.004	0.000
34	0.004	0.004	0.000
35	0.006	0.004	0.000
36	0.005	0.004	-0.001
37	0.005	0.004	0.001
38	0.004	0.004	0.001
39	0.006	0.004	0.001
40	0.004	0.004	-0.001
41	0.006	0.004	-0.001

Nodes Cont...

Node	X (km)	Y (km)	Z (km)
42	0.005	0.006	0.000
43	0.004	0.006	0.000
44	0.006	0.006	0.000
45	0.005	0.006	-0.001
46	0.005	0.006	0.001
47	0.004	0.006	0.001
48	0.006	0.006	0.001
49	0.004	0.006	-0.001
50	0.006	0.006	-0.001
51	0.005	0.007	0.000
52	0.004	0.007	0.000
53	0.006	0.007	0.000
54	0.005	0.007	-0.001
55	0.005	0.007	0.001
56	0.004	0.007	0.001
57	0.006	0.007	0.001
58	0.004	0.007	-0.001
59	0.006	0.007	-0.001
60	0.005	0.009	0.000
61	0.004	0.009	0.000
62	0.006	0.009	0.000
63	0.005	0.009	-0.001
64	0.005	0.009	0.001
65	0.004	0.009	0.001
66	0.006	0.009	0.001
67	0.004	0.009	-0.001
68	0.006	0.009	-0.001
69	0.005	0.010	0.000
70	0.004	0.010	0.000
71	0.006	0.010	0.000
72	0.005	0.010	-0.001
73	0.005	0.010	0.001
74	0.004	0.010	0.001
75	0.006	0.010	0.001
76	0.004	0.010	-0.001
77	0.006	0.010	-0.001
78	0.005	0.012	0.000
79	0.004	0.012	0.000
80	0.006	0.012	0.000
81	0.005	0.012	-0.001
82	0.005	0.012	0.001
83	0.004	0.012	0.001
84	0.006	0.012	0.001
85	0.004	0.012	-0.001
86	0.006	0.012	-0.001
87	0.005	0.013	0.000
88	0.004	0.013	0.000
89	0.006	0.013	0.000
90	0.005	0.013	-0.001
91	0.005	0.013	0.001
92	0.004	0.013	0.001
93	0.006	0.013	0.001
94	0.004	0.013	-0.001
95	0.006	0.013	-0.001
96	0.005	0.015	0.000
97	0.004	0.015	0.000

Nodes Cont...

Node	X (km)	Y (km)	Z (km)
98	0.006	0.015	0.000
99	0.005	0.015	-0.001
100	0.005	0.015	0.001
101	0.004	0.015	0.001
102	0.006	0.015	0.001
103	0.004	0.015	-0.001
104	0.006	0.015	-0.001
105	0.005	0.016	0.000
106	0.004	0.016	0.000
107	0.006	0.016	0.000
108	0.005	0.016	-0.001
109	0.005	0.016	0.001
110	0.004	0.016	0.001
111	0.006	0.016	0.001
112	0.004	0.016	-0.001
113	0.006	0.016	-0.001
114	0.005	0.018	0.000
115	0.004	0.018	0.000
116	0.006	0.018	0.000
117	0.005	0.018	-0.001
118	0.005	0.018	0.001
119	0.004	0.018	0.001
120	0.006	0.018	0.001
121	0.004	0.018	-0.001
122	0.006	0.018	-0.001
123	0.005	0.030	0.000

Beams

Beam	Node A	Node B	Length (km)	Property	β (degrees)
1	1	15	0.001	5	0
2	2	51	0.001	5	0
3	3	87	0.001	6	0
4	4	5	0.006	6	0
5	5	6	0.002	7	0
18	15	24	0.002	5	0
23	11	20	0.001	3	0
24	12	21	0.001	3	0
25	13	22	0.001	3	0
26	14	23	0.001	3	0
27	16	15	0.001	1	0
28	15	17	0.001	1	0
29	18	15	0.001	1	0
30	15	19	0.001	1	0
31	16	20	0.001	2	0
32	17	21	0.001	2	0
33	16	22	0.001	2	0
34	17	23	0.001	2	0
35	22	18	0.001	2	0
36	18	23	0.001	2	0
37	20	19	0.001	2	0
38	19	21	0.001	2	0
39	24	33	0.001	5	0
44	20	29	0.002	3	0
45	21	30	0.002	3	0

Beams Cont...

Beam	Node A	Node B	Length (km)	Property	β (degrees)
46	22	31	0.002	3	0
47	23	32	0.002	3	0
48	25	24	0.001	1	0
49	24	26	0.001	1	0
50	27	24	0.001	1	0
51	24	28	0.001	1	0
52	25	29	0.001	2	0
53	26	30	0.001	2	0
54	25	31	0.001	2	0
55	26	32	0.001	2	0
56	31	27	0.001	2	0
57	27	32	0.001	2	0
58	29	28	0.001	2	0
59	28	30	0.001	2	0
60	33	42	0.002	5	0
65	29	38	0.001	3	0
66	30	39	0.001	3	0
67	31	40	0.001	3	0
68	32	41	0.001	3	0
69	34	33	0.001	1	0
70	33	35	0.001	1	0
71	36	33	0.001	1	0
72	33	37	0.001	1	0
73	34	38	0.001	2	0
74	35	39	0.001	2	0
75	34	40	0.001	2	0
76	35	41	0.001	2	0
77	40	36	0.001	2	0
78	36	41	0.001	2	0
79	38	37	0.001	2	0
80	37	39	0.001	2	0
81	42	2	0.000	5	0
86	38	47	0.002	3	0
87	39	48	0.002	3	0
88	40	49	0.002	3	0
89	41	50	0.002	3	0
90	43	42	0.001	1	0
91	42	44	0.001	1	0
92	45	42	0.001	1	0
93	42	46	0.001	1	0
94	43	47	0.001	2	0
95	44	48	0.001	2	0
96	43	49	0.001	2	0
97	44	50	0.001	2	0
98	49	45	0.001	2	0
99	45	50	0.001	2	0
100	47	46	0.001	2	0
101	46	48	0.001	2	0
102	51	60	0.001	5	0
103	60	69	0.002	5	0
104	69	78	0.002	5	0
105	78	3	0.000	5	0
111	47	56	0.001	3	0
112	48	57	0.001	3	0
113	49	58	0.001	3	0
114	50	59	0.001	3	0

Beams Cont...

Beam	Node A	Node B	Length (km)	Property	β (degrees)
115	52	51	0.001	1	0
116	51	53	0.001	1	0
117	54	51	0.001	1	0
118	51	55	0.001	1	0
119	52	56	0.001	2	0
120	53	57	0.001	2	0
121	52	58	0.001	2	0
122	53	59	0.001	2	0
123	58	54	0.001	2	0
124	54	59	0.001	2	0
125	56	55	0.001	2	0
126	55	57	0.001	2	0
131	56	65	0.001	3	0
132	57	66	0.001	3	0
133	58	67	0.001	3	0
134	59	68	0.001	3	0
135	61	60	0.001	1	0
136	60	62	0.001	1	0
137	63	60	0.001	1	0
138	60	64	0.001	1	0
139	61	65	0.001	2	0
140	62	66	0.001	2	0
141	61	67	0.001	2	0
142	62	68	0.001	2	0
143	67	63	0.001	2	0
144	63	68	0.001	2	0
145	65	64	0.001	2	0
146	64	66	0.001	2	0
151	65	74	0.002	3	0
152	66	75	0.002	3	0
153	67	76	0.002	3	0
154	68	77	0.002	3	0
155	70	69	0.001	1	0
156	69	71	0.001	1	0
157	72	69	0.001	1	0
158	69	73	0.001	1	0
159	70	74	0.001	2	0
160	71	75	0.001	2	0
161	70	76	0.001	2	0
162	71	77	0.001	2	0
163	76	72	0.001	2	0
164	72	77	0.001	2	0
165	74	73	0.001	2	0
166	73	75	0.001	2	0
171	74	83	0.002	3	0
172	75	84	0.002	3	0
173	76	85	0.002	3	0
174	77	86	0.002	3	0
175	79	78	0.001	1	0
176	78	80	0.001	1	0
177	81	78	0.001	1	0
178	78	82	0.001	1	0
179	79	83	0.001	2	0
180	80	84	0.001	2	0
181	79	85	0.001	2	0
182	80	86	0.001	2	0

Beams Cont...

Beam	Node A	Node B	Length (km)	Property	β (degrees)
183	85	81	0.001	2	0
184	81	86	0.001	2	0
185	83	82	0.001	2	0
186	82	84	0.001	2	0
187	87	96	0.002	6	0
188	96	105	0.002	6	0
189	105	114	0.002	6	0
190	114	4	0.001	6	0
196	83	92	0.001	3	0
197	84	93	0.001	3	0
198	85	94	0.001	3	0
199	86	95	0.001	3	0
200	88	87	0.001	1	0
201	87	89	0.001	1	0
202	90	87	0.001	1	0
203	87	91	0.001	1	0
204	88	92	0.001	2	0
205	89	93	0.001	2	0
206	88	94	0.001	2	0
207	89	95	0.001	2	0
208	94	90	0.001	2	0
209	90	95	0.001	2	0
210	92	91	0.001	2	0
211	91	93	0.001	2	0
216	92	101	0.002	3	0
217	93	102	0.002	3	0
218	94	103	0.002	3	0
219	95	104	0.002	3	0
220	97	96	0.001	1	0
221	96	98	0.001	1	0
222	99	96	0.001	1	0
223	96	100	0.001	1	0
224	97	101	0.001	2	0
225	98	102	0.001	2	0
226	97	103	0.001	2	0
227	98	104	0.001	2	0
228	103	99	0.001	2	0
229	99	104	0.001	2	0
230	101	100	0.001	2	0
231	100	102	0.001	2	0
236	101	110	0.002	3	0
237	102	111	0.002	3	0
238	103	112	0.002	3	0
239	104	113	0.002	3	0
240	106	105	0.001	1	0
241	105	107	0.001	1	0
242	108	105	0.001	1	0
243	105	109	0.001	1	0
244	106	110	0.001	2	0
245	107	111	0.001	2	0
246	106	112	0.001	2	0
247	107	113	0.001	2	0
248	112	108	0.001	2	0
249	108	113	0.001	2	0
250	110	109	0.001	2	0
251	109	111	0.001	2	0

Beams Cont...

Beam	Node A	Node B	Length (km)	Property	β (degrees)
256	110	119	0.002	3	0
257	111	120	0.002	3	0
258	112	121	0.002	3	0
259	113	122	0.002	3	0
260	115	114	0.001	1	0
261	114	116	0.001	1	0
262	117	114	0.001	1	0
263	114	118	0.001	1	0
264	115	119	0.001	2	0
265	116	120	0.001	2	0
266	115	121	0.001	2	0
267	116	122	0.001	2	0
268	121	117	0.001	2	0
269	117	122	0.001	2	0
270	119	118	0.001	2	0
271	118	120	0.001	2	0
272	11	21	0.002	4	0
273	12	20	0.002	4	0
274	13	20	0.002	4	0
275	11	22	0.002	4	0
276	13	23	0.002	4	0
277	14	22	0.002	4	0
278	14	21	0.002	4	0
279	12	23	0.002	4	0
280	29	21	0.002	4	0
281	20	30	0.002	4	0
282	32	21	0.002	4	0
283	30	23	0.002	4	0
284	23	31	0.002	4	0
285	22	32	0.002	4	0
286	20	31	0.002	4	0
287	22	29	0.002	4	0
288	38	30	0.002	4	0
289	29	39	0.002	4	0
290	41	30	0.002	4	0
291	39	32	0.002	4	0
292	32	40	0.002	4	0
293	31	41	0.002	4	0
294	29	40	0.002	4	0
295	31	38	0.002	4	0
296	47	39	0.002	4	0
297	38	48	0.002	4	0
298	50	39	0.002	4	0
299	48	41	0.002	4	0
300	41	49	0.002	4	0
301	40	50	0.002	4	0
302	38	49	0.002	4	0
303	40	47	0.002	4	0
304	47	57	0.002	4	0
305	48	56	0.002	4	0
306	49	56	0.002	4	0
307	47	58	0.002	4	0
308	49	59	0.002	4	0
309	50	58	0.002	4	0
310	50	57	0.002	4	0
311	48	59	0.002	4	0

Beams Cont...

Beam	Node A	Node B	Length (km)	Property	β (degrees)
312	65	57	0.002	4	0
313	56	66	0.002	4	0
314	68	57	0.002	4	0
315	66	59	0.002	4	0
316	59	67	0.002	4	0
317	58	68	0.002	4	0
318	56	67	0.002	4	0
319	58	65	0.002	4	0
320	74	66	0.002	4	0
321	65	75	0.002	4	0
322	77	66	0.002	4	0
323	75	68	0.002	4	0
324	68	76	0.002	4	0
325	67	77	0.002	4	0
326	65	76	0.002	4	0
327	67	74	0.002	4	0
328	83	75	0.002	4	0
329	74	84	0.002	4	0
330	86	75	0.002	4	0
331	84	77	0.002	4	0
332	77	85	0.002	4	0
333	76	86	0.002	4	0
334	74	85	0.002	4	0
335	76	83	0.002	4	0
336	83	93	0.002	4	0
337	84	92	0.002	4	0
338	85	92	0.002	4	0
339	83	94	0.002	4	0
340	85	95	0.002	4	0
341	86	94	0.002	4	0
342	86	93	0.002	4	0
343	84	95	0.002	4	0
344	101	93	0.002	4	0
345	92	102	0.002	4	0
346	104	93	0.002	4	0
347	102	95	0.002	4	0
348	95	103	0.002	4	0
349	94	104	0.002	4	0
350	92	103	0.002	4	0
351	94	101	0.002	4	0
352	110	102	0.002	4	0
353	101	111	0.002	4	0
354	113	102	0.002	4	0
355	111	104	0.002	4	0
356	104	112	0.002	4	0
357	103	113	0.002	4	0
358	101	112	0.002	4	0
359	103	110	0.002	4	0
360	119	111	0.002	4	0
361	110	120	0.002	4	0
362	122	111	0.002	4	0
363	120	113	0.002	4	0
364	113	121	0.002	4	0
365	112	122	0.002	4	0
366	110	121	0.002	4	0
367	112	119	0.002	4	0

Beams Cont...

Beam	Node A	Node B	Length (km)	Property	β (degrees)
368	6	123	0.003	7	0

Section Properties

Prop	Section	Area (cm ²)	I _{yy} (cm ⁴)	I _{zz} (cm ⁴)	J (cm ⁴)	Material
1	L65X65X6	7.527	47.487	12.492	0.914	STEEL
2	PIPE	1.765	5.267	5.267	10.535	STEEL
3	PIPE	3.464	23.399	23.399	46.798	STEEL
4	PIPE	1.042	1.086	1.086	2.172	STEEL
5	PIPE	56.266	25.1E+3	25.1E+3	50.1E+3	STEEL
6	PIPE	42.253	18.9E+3	18.9E+3	37.7E+3	STEEL
7	PIPE	28.204	12.6E+3	12.6E+3	25.3E+3	STEEL

Materials

Mat	Name	E (kg/cm ²)	ν	Density (kg/m ³)	α (1/°C)
1	STEEL	2.09E+6	0.300	7.83E+3	12E-6
2	STAINLESSSTEEL	2.02E+6	0.300	7.83E+3	18E-6
3	ALUMINUM	703E+3	0.330	2.71E+3	23E-6
4	CONCRETE	221E+3	0.170	2.4E+3	10E-6

Supports

Node	X (kN/mm)	Y (kN/mm)	Z (kN/mm)	rX (kN·m/deg)	rY (kN·m/deg)	rZ (kN·m/deg)
1	Fixed	Fixed	Fixed	-	-	-
11	Fixed	Fixed	Fixed	-	-	-
12	Fixed	Fixed	Fixed	-	-	-
13	Fixed	Fixed	Fixed	-	-	-
14	Fixed	Fixed	Fixed	-	-	-

Releases

Beam ends not shown in this table are fixed in all directions.

Beam	Node	x	y	z	rx	ry	rz
23	11	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
23	20	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
24	12	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
24	21	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
25	13	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
25	22	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
26	14	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
26	23	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
27	16	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
27	15	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
28	15	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
28	17	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
29	18	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
29	15	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
30	15	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
30	19	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
31	16	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed

Releases Cont...

Beam	Node	x	y	z	rx	ry	rz
31	20	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
32	17	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
32	21	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
33	16	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
33	22	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
34	17	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
34	23	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
35	22	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
35	18	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
36	18	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
36	23	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
37	20	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
37	19	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
38	19	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
38	21	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
44	20	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
44	29	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
45	21	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
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Releases Cont...

Beam	Node	x	y	z	rx	ry	rz
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Releases Cont...

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Releases Cont...

Beam	Node	x	y	z	rx	ry	rz
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Releases Cont...

Beam	Node	x	y	z	rx	ry	rz
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Releases Cont...

Beam	Node	x	y	z	rx	ry	rz
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Releases Cont...

Beam	Node	x	y	z	rx	ry	rz
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Releases Cont...

Beam	Node	x	y	z	rx	ry	rz
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Releases Cont...

Beam	Node	x	y	z	rx	ry	rz
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330	75	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
331	84	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
331	77	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
332	77	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
332	85	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
333	76	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
333	86	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
334	74	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
334	85	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
335	76	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
335	83	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
336	83	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
336	93	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
337	84	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
337	92	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
338	85	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
338	92	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
339	83	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
339	94	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
340	85	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed

Releases Cont...

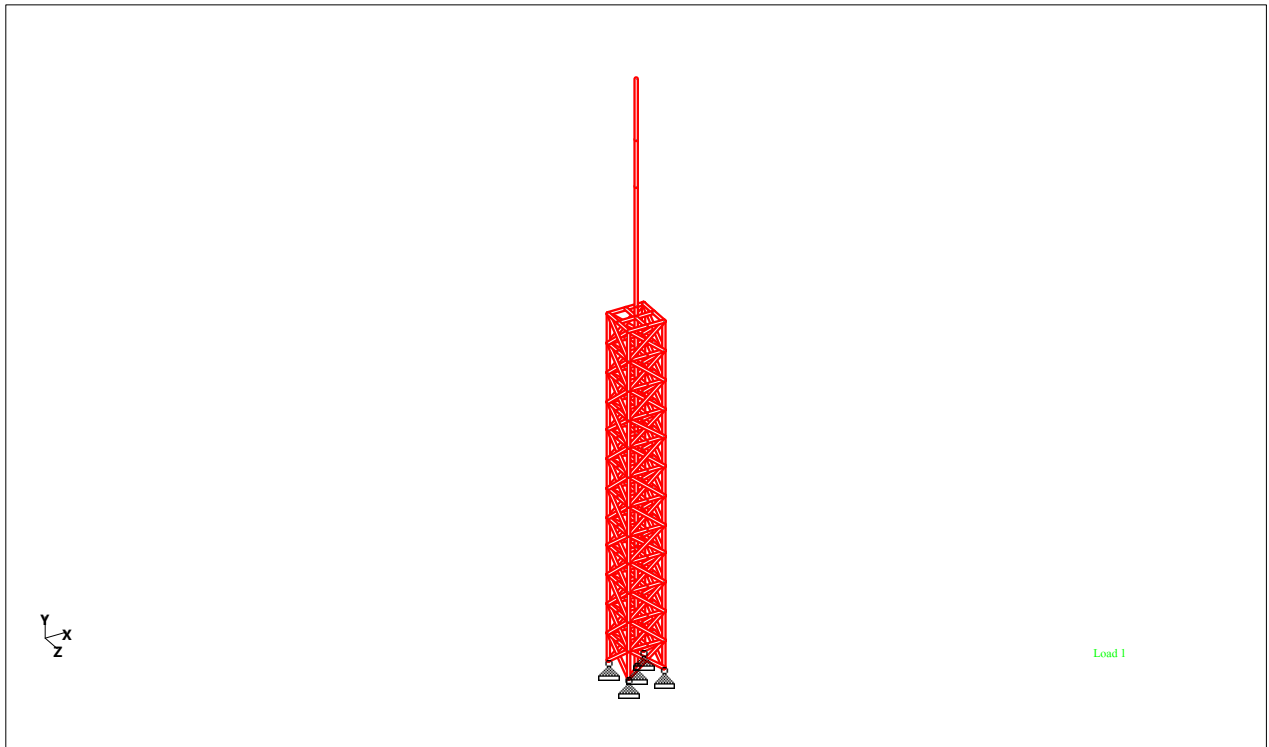
Beam	Node	x	y	z	rx	ry	rz
340	95	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
341	86	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
341	94	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
342	86	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
342	93	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
343	84	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
343	95	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
344	101	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
344	93	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
345	92	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
345	102	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
346	104	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
346	93	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
347	102	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
347	95	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
348	95	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
348	103	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
349	94	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
349	104	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
350	92	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
350	103	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
351	94	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
351	101	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
352	110	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
352	102	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
353	101	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
353	111	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
354	113	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
354	102	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
355	111	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
355	104	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
356	104	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
356	112	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
357	103	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
357	113	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
358	101	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
358	112	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
359	103	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
359	110	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
360	119	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
360	111	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
361	110	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
361	120	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
362	122	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
362	111	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
363	120	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
363	113	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
364	113	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
364	121	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
365	112	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
365	122	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
366	110	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
366	121	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
367	112	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
367	119	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed

Basic Load Cases

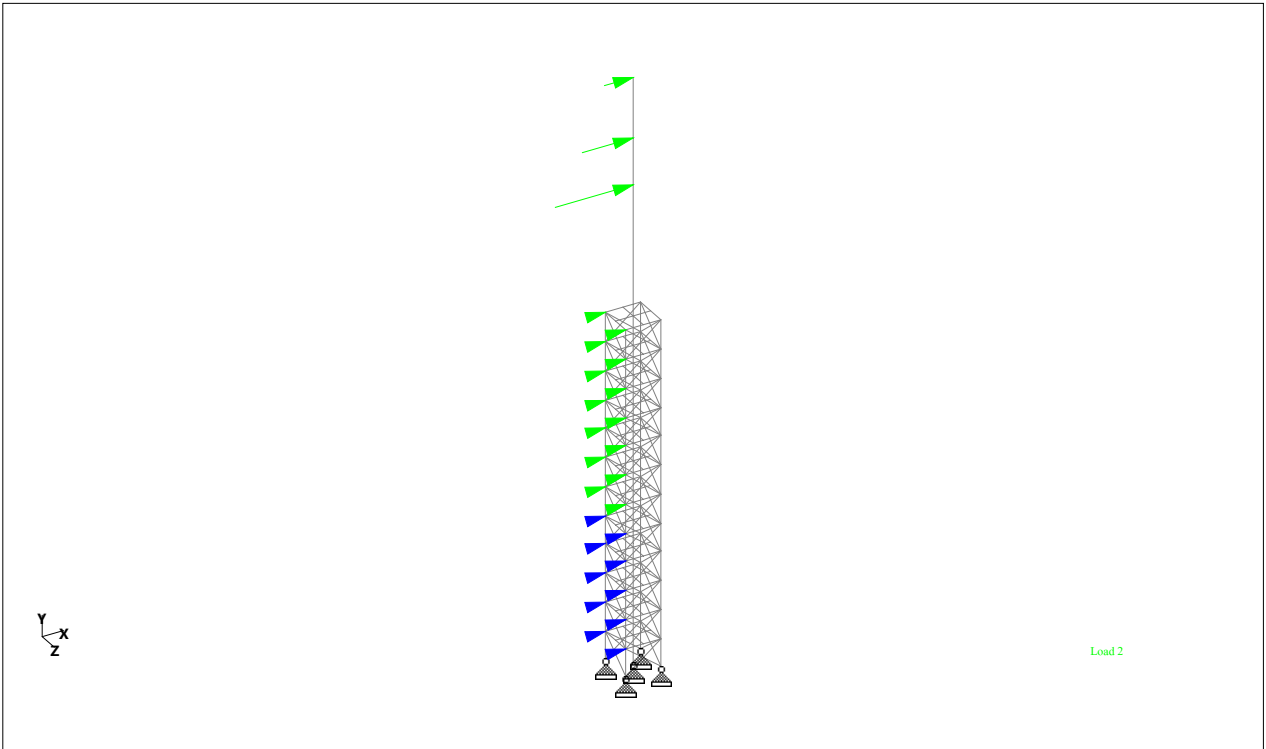
Number	Name
1	LOAD CASE 1 : DL
2	LOAD CASE 2 : WL

Combination Load Cases

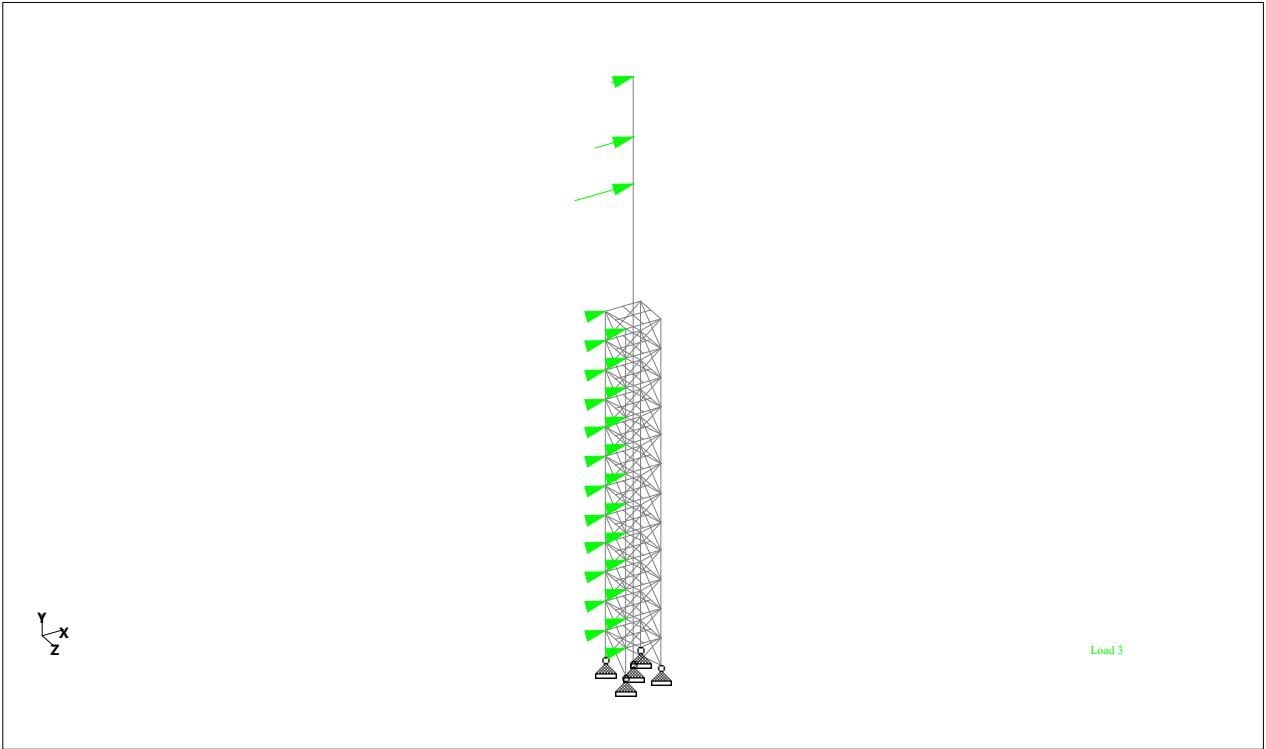
Comb.	Combination L/C Name	Primary	Primary L/C Name	Factor
3	COMBINATION LOAD CASE 3 : 0.75[DL+W]	1	LOAD CASE 1 : DL	0.75
		2	LOAD CASE 2 : WL	0.75



weigh sw (Input data was modified after picture taken)



weigth wl (Input data was modified after picture taken)



weigth dl+wl (Input data was modified after picture taken)

Node Displacements

Node	L/C	X (mm)	Y (mm)	Z (mm)	Resultant (mm)	rX (deg)	rY (deg)	rZ (deg)
1	1:LOAD CASE	0.000	0.000	0.000	0.000	-0.000	0.000	0.000
	2:LOAD CASE	0.000	0.000	0.000	0.000	-0.000	-0.015	-0.168
	3:COMBINATIC	0.000	0.000	0.000	0.000	-0.000	-0.011	-0.126
2	1:LOAD CASE	0.000	-0.057	-0.000	0.057	0.000	0.000	-0.000
	2:LOAD CASE	20.719	0.000	-0.008	20.719	-0.000	-0.015	-0.249
	3:COMBINATIC	15.539	-0.043	-0.006	15.539	-0.000	-0.011	-0.187
3	1:LOAD CASE	0.001	-0.097	0.001	0.097	0.000	0.000	-0.000
	2:LOAD CASE	56.944	0.000	-0.009	56.944	0.000	-0.016	-0.449
	3:COMBINATIC	42.709	-0.073	-0.006	42.709	0.000	-0.012	-0.337
4	1:LOAD CASE	0.004	-0.129	0.004	0.129	0.000	0.000	-0.000
	2:LOAD CASE	123.418	0.000	-0.005	123.418	0.000	-0.018	-0.802
	3:COMBINATIC	92.567	-0.096	-0.001	92.567	0.000	-0.013	-0.602
5	1:LOAD CASE	0.008	-0.144	0.007	0.144	0.000	0.000	-0.000
	2:LOAD CASE	221.865	0.000	-0.000	221.865	0.000	-0.018	-1.002
	3:COMBINATIC	166.405	-0.108	0.006	166.405	0.000	-0.013	-0.751
6	1:LOAD CASE	0.010	-0.148	0.009	0.149	0.000	0.000	-0.000
	2:LOAD CASE	264.582	0.000	0.002	264.582	0.000	-0.018	-1.030
	3:COMBINATIC	198.444	-0.111	0.008	198.444	0.000	-0.013	-0.773
11	1:LOAD CASE	0.000	0.000	0.000	0.000	-0.001	0.000	-0.001
	2:LOAD CASE	0.000	0.000	0.000	0.000	-0.007	-0.028	-0.068
	3:COMBINATIC	0.000	0.000	0.000	0.000	-0.006	-0.021	-0.052
12	1:LOAD CASE	0.000	0.000	0.000	0.000	-0.001	-0.000	0.001
	2:LOAD CASE	0.000	0.000	0.000	0.000	0.007	-0.031	-0.068
	3:COMBINATIC	0.000	0.000	0.000	0.000	0.004	-0.023	-0.050
13	1:LOAD CASE	0.000	0.000	0.000	0.000	0.001	-0.000	-0.001
	2:LOAD CASE	0.000	0.000	0.000	0.000	0.007	0.028	-0.068
	3:COMBINATIC	0.000	0.000	0.000	0.000	0.006	0.021	-0.052
14	1:LOAD CASE	0.000	0.000	0.000	0.000	0.001	-0.000	0.001
	2:LOAD CASE	0.000	0.000	0.000	0.000	-0.007	0.031	-0.068
	3:COMBINATIC	0.000	0.000	0.000	0.000	-0.004	0.023	-0.050
15	1:LOAD CASE	-0.000	-0.015	-0.000	0.015	-0.000	0.000	0.000
	2:LOAD CASE	4.076	0.000	-0.002	4.076	-0.000	-0.015	-0.172
	3:COMBINATIC	3.057	-0.011	-0.002	3.057	-0.000	-0.011	-0.129
16	1:LOAD CASE	-0.000	-1.242	0.000	1.242	0.000	0.000	0.077
	2:LOAD CASE	4.075	1.658	-0.003	4.400	-0.000	0.001	-0.102
	3:COMBINATIC	3.057	0.312	-0.002	3.072	-0.000	0.000	-0.019
17	1:LOAD CASE	-0.000	-1.143	0.000	1.143	0.000	-0.000	-0.071
	2:LOAD CASE	4.075	-1.738	0.003	4.430	0.000	0.000	-0.107
	3:COMBINATIC	3.057	-2.160	0.002	3.743	0.000	0.000	-0.133
18	1:LOAD CASE	0.000	-1.258	-0.000	1.258	-0.078	-0.000	0.008
	2:LOAD CASE	1.708	-0.015	-0.002	1.708	-0.001	0.133	-0.070
	3:COMBINATIC	1.281	-0.955	-0.002	1.598	-0.059	0.100	-0.046
19	1:LOAD CASE	0.000	-1.156	-0.000	1.156	0.072	0.000	0.008
	2:LOAD CASE	1.714	-0.013	-0.002	1.714	0.001	-0.128	-0.071
	3:COMBINATIC	1.286	-0.877	-0.002	1.556	0.054	-0.096	-0.047
20	1:LOAD CASE	-0.004	-0.023	0.004	0.024	-0.013	0.000	-0.014
	2:LOAD CASE	1.715	1.135	-0.181	2.065	0.002	-0.069	-0.101
	3:COMBINATIC	1.284	0.834	-0.133	1.537	-0.008	-0.051	-0.086
21	1:LOAD CASE	0.004	-0.023	0.004	0.024	-0.012	0.000	0.012
	2:LOAD CASE	1.709	-1.134	0.182	2.060	-0.003	-0.076	-0.101
	3:COMBINATIC	1.285	-0.868	0.139	1.557	-0.011	-0.057	-0.067
22	1:LOAD CASE	-0.004	-0.023	-0.004	0.024	0.013	-0.000	-0.015
	2:LOAD CASE	1.710	1.130	0.176	2.057	-0.003	0.069	-0.101
	3:COMBINATIC	1.280	0.830	0.129	1.531	0.007	0.051	-0.087
23	1:LOAD CASE	0.004	-0.023	-0.004	0.024	0.011	-0.000	0.013
	2:LOAD CASE	1.704	-1.129	-0.176	2.052	0.003	0.075	-0.101

Node Displacements Cont...

Node	L/C	X (mm)	Y (mm)	Z (mm)	Resultant (mm)	rX (deg)	rY (deg)	rZ (deg)
	3:COMBINATIC	1.281	-0.864	-0.134	1.551	0.011	0.056	-0.066
24	1:LOAD CASE	-0.000	-0.029	-0.000	0.029	-0.000	0.000	-0.000
	2:LOAD CASE	8.730	0.000	-0.005	8.730	-0.000	-0.015	-0.187
	3:COMBINATIC	6.547	-0.022	-0.004	6.547	-0.000	-0.011	-0.140
25	1:LOAD CASE	-0.000	-1.263	0.000	1.263	-0.000	0.000	0.077
	2:LOAD CASE	8.730	2.461	-0.009	9.070	-0.000	0.000	-0.155
	3:COMBINATIC	6.547	0.898	-0.007	6.608	-0.000	0.000	-0.059
26	1:LOAD CASE	-0.000	-1.164	0.000	1.164	0.000	-0.000	-0.071
	2:LOAD CASE	8.730	-2.496	0.009	9.079	0.000	0.000	-0.157
	3:COMBINATIC	6.547	-2.745	0.007	7.099	0.000	0.000	-0.171
27	1:LOAD CASE	0.000	-1.279	-0.000	1.279	-0.078	-0.000	0.008
	2:LOAD CASE	5.348	-0.014	-0.005	5.348	-0.001	0.189	-0.138
	3:COMBINATIC	4.011	-0.970	-0.004	4.127	-0.059	0.141	-0.098
28	1:LOAD CASE	0.000	-1.177	-0.000	1.177	0.072	0.000	0.008
	2:LOAD CASE	5.368	-0.011	-0.005	5.368	0.001	-0.182	-0.139
	3:COMBINATIC	4.026	-0.892	-0.004	4.123	0.055	-0.136	-0.099
29	1:LOAD CASE	-0.003	-0.046	0.003	0.046	-0.013	0.000	-0.014
	2:LOAD CASE	5.368	2.209	-0.153	5.807	0.003	-0.093	-0.168
	3:COMBINATIC	4.024	1.623	-0.112	4.340	-0.007	-0.070	-0.137
30	1:LOAD CASE	0.003	-0.046	0.003	0.046	-0.012	0.000	0.012
	2:LOAD CASE	5.363	-2.208	0.153	5.801	-0.003	-0.104	-0.169
	3:COMBINATIC	4.024	-1.690	0.117	4.367	-0.011	-0.078	-0.118
31	1:LOAD CASE	-0.003	-0.046	-0.003	0.046	0.013	-0.000	-0.015
	2:LOAD CASE	5.348	2.200	0.135	5.785	-0.003	0.094	-0.167
	3:COMBINATIC	4.009	1.615	0.099	4.323	0.007	0.070	-0.137
32	1:LOAD CASE	0.003	-0.046	-0.003	0.046	0.012	-0.000	0.013
	2:LOAD CASE	5.343	-2.199	-0.135	5.779	0.004	0.103	-0.168
	3:COMBINATIC	4.010	-1.683	-0.103	4.350	0.012	0.077	-0.116
33	1:LOAD CASE	-0.000	-0.043	-0.000	0.043	0.000	0.000	-0.000
	2:LOAD CASE	13.902	0.000	-0.006	13.902	-0.000	-0.015	-0.211
	3:COMBINATIC	10.426	-0.032	-0.005	10.427	-0.000	-0.011	-0.158
34	1:LOAD CASE	-0.000	-1.281	0.000	1.281	-0.000	0.000	0.077
	2:LOAD CASE	13.902	3.197	-0.018	14.264	-0.000	0.000	-0.203
	3:COMBINATIC	10.426	1.436	-0.013	10.525	-0.000	0.000	-0.095
35	1:LOAD CASE	-0.000	-1.182	0.000	1.182	-0.000	-0.000	-0.071
	2:LOAD CASE	13.902	-3.204	0.018	14.266	0.000	-0.000	-0.204
	3:COMBINATIC	10.426	-3.290	0.014	10.933	0.000	-0.000	-0.207
36	1:LOAD CASE	0.000	-1.298	-0.000	1.298	-0.079	-0.000	0.008
	2:LOAD CASE	10.590	-0.012	-0.006	10.590	-0.001	0.184	-0.197
	3:COMBINATIC	7.942	-0.983	-0.005	8.003	-0.059	0.138	-0.141
37	1:LOAD CASE	0.000	-1.195	-0.000	1.195	0.072	0.000	0.008
	2:LOAD CASE	10.630	-0.010	-0.006	10.630	0.001	-0.177	-0.198
	3:COMBINATIC	7.973	-0.904	-0.005	8.024	0.055	-0.132	-0.143
38	1:LOAD CASE	-0.003	-0.067	0.003	0.067	-0.013	0.000	-0.014
	2:LOAD CASE	10.631	3.132	-0.142	11.084	0.001	-0.090	-0.225
	3:COMBINATIC	7.971	2.299	-0.104	8.297	-0.009	-0.068	-0.179
39	1:LOAD CASE	0.003	-0.067	0.003	0.067	-0.012	0.000	0.012
	2:LOAD CASE	10.625	-3.129	0.142	11.078	-0.001	-0.101	-0.225
	3:COMBINATIC	7.971	-2.397	0.109	8.325	-0.010	-0.076	-0.160
40	1:LOAD CASE	-0.003	-0.067	-0.003	0.067	0.013	-0.000	-0.015
	2:LOAD CASE	10.590	3.118	0.106	11.040	-0.002	0.091	-0.224
	3:COMBINATIC	7.941	2.288	0.078	8.264	0.008	0.068	-0.179
41	1:LOAD CASE	0.003	-0.067	-0.003	0.067	0.012	-0.000	0.013
	2:LOAD CASE	10.585	-3.116	-0.106	11.034	0.002	0.100	-0.224
	3:COMBINATIC	7.941	-2.387	-0.082	8.292	0.010	0.075	-0.159
42	1:LOAD CASE	0.000	-0.056	-0.000	0.056	0.000	0.000	-0.000

Node Displacements Cont...

Node	L/C	X (mm)	Y (mm)	Z (mm)	Resultant (mm)	rX (deg)	rY (deg)	rZ (deg)
	2:LOAD CASE	19.819	0.000	-0.008	19.819	-0.000	-0.015	-0.244
	3:COMBINATIC	14.864	-0.042	-0.006	14.865	-0.000	-0.011	-0.183
43	1:LOAD CASE	0.000	-1.296	0.000	1.296	-0.000	0.000	0.078
	2:LOAD CASE	19.819	3.883	-0.030	20.196	-0.001	-0.000	-0.248
	3:COMBINATIC	14.864	1.940	-0.022	14.990	-0.000	-0.000	-0.128
44	1:LOAD CASE	0.000	-1.197	0.000	1.197	-0.000	-0.000	-0.072
	2:LOAD CASE	19.819	-3.876	0.030	20.195	0.001	-0.001	-0.248
	3:COMBINATIC	14.864	-3.805	0.023	15.344	0.000	-0.001	-0.239
45	1:LOAD CASE	0.000	-1.311	-0.000	1.311	-0.079	-0.000	0.008
	2:LOAD CASE	17.189	-0.012	-0.008	17.189	-0.001	0.146	-0.246
	3:COMBINATIC	12.892	-0.992	-0.006	12.930	-0.060	0.110	-0.179
46	1:LOAD CASE	0.000	-1.209	-0.000	1.209	0.072	0.000	0.008
	2:LOAD CASE	17.258	-0.010	-0.008	17.258	0.001	-0.138	-0.248
	3:COMBINATIC	12.944	-0.914	-0.006	12.976	0.055	-0.104	-0.180
47	1:LOAD CASE	-0.002	-0.085	0.003	0.085	-0.012	0.000	-0.014
	2:LOAD CASE	17.259	3.912	-0.129	17.697	0.000	-0.071	-0.272
	3:COMBINATIC	12.943	2.870	-0.095	13.257	-0.009	-0.053	-0.214
48	1:LOAD CASE	0.003	-0.085	0.003	0.085	-0.012	0.000	0.011
	2:LOAD CASE	17.253	-3.909	0.129	17.691	0.000	-0.079	-0.273
	3:COMBINATIC	12.942	-2.995	0.099	13.285	-0.009	-0.059	-0.196
49	1:LOAD CASE	-0.002	-0.085	-0.002	0.085	0.012	-0.000	-0.014
	2:LOAD CASE	17.190	3.893	0.070	17.626	-0.001	0.072	-0.271
	3:COMBINATIC	12.891	2.856	0.050	13.204	0.008	0.054	-0.214
50	1:LOAD CASE	0.003	-0.085	-0.002	0.085	0.012	-0.000	0.012
	2:LOAD CASE	17.185	-3.891	-0.070	17.620	0.001	0.079	-0.272
	3:COMBINATIC	12.891	-2.982	-0.054	13.231	0.009	0.059	-0.195
51	1:LOAD CASE	0.000	-0.066	-0.000	0.066	0.000	0.000	-0.000
	2:LOAD CASE	26.140	0.000	-0.009	26.140	-0.000	-0.015	-0.280
	3:COMBINATIC	19.605	-0.050	-0.007	19.605	-0.000	-0.011	-0.210
52	1:LOAD CASE	0.000	-1.310	0.000	1.310	-0.000	0.000	0.078
	2:LOAD CASE	26.140	4.476	-0.044	26.520	-0.001	-0.001	-0.286
	3:COMBINATIC	19.605	2.375	-0.033	19.748	-0.001	-0.001	-0.156
53	1:LOAD CASE	0.000	-1.209	0.000	1.209	-0.000	-0.000	-0.072
	2:LOAD CASE	26.140	-4.468	0.043	26.519	0.001	-0.001	-0.285
	3:COMBINATIC	19.605	-4.258	0.033	20.062	0.001	-0.001	-0.268
54	1:LOAD CASE	0.000	-1.325	-0.000	1.325	-0.079	-0.000	0.008
	2:LOAD CASE	24.317	-0.011	-0.009	24.317	-0.001	0.101	-0.285
	3:COMBINATIC	18.238	-1.002	-0.007	18.266	-0.060	0.076	-0.208
55	1:LOAD CASE	0.000	-1.223	-0.000	1.223	0.073	0.000	0.008
	2:LOAD CASE	24.419	-0.009	-0.009	24.419	0.001	-0.093	-0.286
	3:COMBINATIC	18.315	-0.924	-0.007	18.338	0.055	-0.070	-0.209
56	1:LOAD CASE	-0.002	-0.101	0.002	0.101	-0.012	0.000	-0.013
	2:LOAD CASE	24.421	4.522	-0.126	24.836	-0.001	-0.050	-0.310
	3:COMBINATIC	18.314	3.316	-0.093	18.612	-0.010	-0.037	-0.242
57	1:LOAD CASE	0.003	-0.101	0.002	0.101	-0.011	0.000	0.011
	2:LOAD CASE	24.415	-4.518	0.125	24.830	0.001	-0.055	-0.310
	3:COMBINATIC	18.314	-3.464	0.095	18.639	-0.008	-0.041	-0.224
58	1:LOAD CASE	-0.002	-0.101	-0.002	0.101	0.012	-0.000	-0.015
	2:LOAD CASE	24.318	4.499	0.037	24.731	-0.001	0.050	-0.308
	3:COMBINATIC	18.238	3.298	0.026	18.533	0.009	0.037	-0.242
59	1:LOAD CASE	0.003	-0.101	-0.002	0.101	0.011	-0.000	0.012
	2:LOAD CASE	24.313	-4.496	-0.038	24.726	0.001	0.055	-0.309
	3:COMBINATIC	18.237	-3.447	-0.030	18.560	0.009	0.041	-0.222
60	1:LOAD CASE	0.000	-0.077	0.000	0.077	0.000	0.000	-0.000
	2:LOAD CASE	34.026	0.000	-0.009	34.026	-0.000	-0.015	-0.325
	3:COMBINATIC	25.520	-0.058	-0.007	25.520	0.000	-0.011	-0.244

Node Displacements Cont...

Node	L/C	X (mm)	Y (mm)	Z (mm)	Resultant (mm)	rX (deg)	rY (deg)	rZ (deg)
61	1:LOAD CASE	0.000	-1.325	0.000	1.325	-0.000	0.000	0.078
	2:LOAD CASE	34.026	5.066	-0.063	34.401	-0.001	-0.001	-0.323
	3:COMBINATIC	25.520	2.806	-0.047	25.674	-0.001	-0.001	-0.184
62	1:LOAD CASE	0.000	-1.225	0.000	1.225	-0.000	-0.000	-0.072
	2:LOAD CASE	34.026	-5.066	0.061	34.401	0.001	-0.002	-0.323
	3:COMBINATIC	25.520	-4.718	0.046	25.952	0.001	-0.001	-0.296
63	1:LOAD CASE	0.000	-1.341	0.000	1.341	-0.079	-0.000	0.008
	2:LOAD CASE	32.919	-0.009	-0.009	32.919	-0.001	0.062	-0.319
	3:COMBINATIC	24.690	-1.013	-0.007	24.710	-0.060	0.046	-0.233
64	1:LOAD CASE	0.001	-1.238	0.000	1.238	0.073	0.000	0.008
	2:LOAD CASE	33.067	-0.008	-0.009	33.067	0.001	-0.052	-0.320
	3:COMBINATIC	24.800	-0.935	-0.007	24.818	0.055	-0.039	-0.235
65	1:LOAD CASE	-0.001	-0.115	0.002	0.115	-0.013	0.000	-0.014
	2:LOAD CASE	33.071	5.055	-0.133	33.455	-0.000	-0.030	-0.342
	3:COMBINATIC	24.802	3.705	-0.098	25.077	-0.010	-0.022	-0.267
66	1:LOAD CASE	0.002	-0.115	0.002	0.115	-0.012	0.000	0.012
	2:LOAD CASE	33.061	-5.050	0.131	33.445	0.000	-0.033	-0.342
	3:COMBINATIC	24.798	-3.874	0.100	25.099	-0.009	-0.025	-0.248
67	1:LOAD CASE	-0.001	-0.115	-0.002	0.115	0.013	-0.000	-0.015
	2:LOAD CASE	32.923	5.026	0.006	33.304	-0.001	0.030	-0.340
	3:COMBINATIC	24.691	3.683	0.003	24.964	0.008	0.023	-0.266
68	1:LOAD CASE	0.002	-0.115	-0.002	0.115	0.012	-0.000	0.013
	2:LOAD CASE	32.914	-5.022	-0.008	33.295	0.001	0.033	-0.340
	3:COMBINATIC	24.687	-3.853	-0.007	24.986	0.010	0.025	-0.246
69	1:LOAD CASE	0.001	-0.086	0.000	0.086	0.000	0.000	-0.000
	2:LOAD CASE	43.301	0.000	-0.009	43.301	0.000	-0.016	-0.376
	3:COMBINATIC	32.477	-0.065	-0.007	32.477	0.000	-0.012	-0.282
70	1:LOAD CASE	0.001	-1.336	0.000	1.336	-0.000	-0.000	0.078
	2:LOAD CASE	43.301	5.618	-0.087	43.664	-0.001	-0.002	-0.357
	3:COMBINATIC	32.477	3.212	-0.065	32.635	-0.001	-0.002	-0.209
71	1:LOAD CASE	0.001	-1.236	0.000	1.236	-0.000	0.000	-0.072
	2:LOAD CASE	43.301	-5.637	0.084	43.667	0.001	-0.003	-0.358
	3:COMBINATIC	32.477	-5.155	0.063	32.883	0.001	-0.002	-0.323
72	1:LOAD CASE	0.001	-1.352	0.000	1.352	-0.079	0.000	0.008
	2:LOAD CASE	42.376	-0.008	-0.009	42.376	-0.001	0.051	-0.345
	3:COMBINATIC	31.782	-1.020	-0.006	31.799	-0.060	0.038	-0.253
73	1:LOAD CASE	0.001	-1.249	0.000	1.249	0.073	-0.000	0.008
	2:LOAD CASE	42.582	-0.006	-0.009	42.582	0.000	-0.040	-0.347
	3:COMBINATIC	31.937	-0.942	-0.007	31.951	0.055	-0.030	-0.255
74	1:LOAD CASE	-0.001	-0.127	0.002	0.127	-0.013	0.000	-0.014
	2:LOAD CASE	42.586	5.477	-0.140	42.937	0.001	-0.024	-0.367
	3:COMBINATIC	31.938	4.013	-0.104	32.190	-0.009	-0.018	-0.286
75	1:LOAD CASE	0.002	-0.127	0.002	0.127	-0.012	0.000	0.012
	2:LOAD CASE	42.577	-5.471	0.137	42.927	-0.001	-0.027	-0.367
	3:COMBINATIC	31.934	-4.198	0.104	32.209	-0.010	-0.020	-0.267
76	1:LOAD CASE	-0.001	-0.127	-0.001	0.127	0.013	-0.000	-0.015
	2:LOAD CASE	42.380	5.443	-0.034	42.728	-0.003	0.024	-0.364
	3:COMBINATIC	31.784	3.986	-0.027	32.033	0.007	0.018	-0.285
77	1:LOAD CASE	0.002	-0.127	-0.001	0.127	0.012	-0.000	0.013
	2:LOAD CASE	42.371	-5.438	0.031	42.718	0.003	0.027	-0.365
	3:COMBINATIC	31.780	-4.173	0.022	32.053	0.011	0.020	-0.264
78	1:LOAD CASE	0.001	-0.095	0.001	0.095	0.000	0.000	-0.000
	2:LOAD CASE	53.870	0.000	-0.009	53.870	0.000	-0.016	-0.433
	3:COMBINATIC	40.404	-0.071	-0.006	40.404	0.000	-0.012	-0.325
79	1:LOAD CASE	0.001	-1.343	0.000	1.343	-0.000	-0.000	0.078
	2:LOAD CASE	53.870	6.121	-0.115	54.217	-0.001	-0.003	-0.387

Node Displacements Cont...

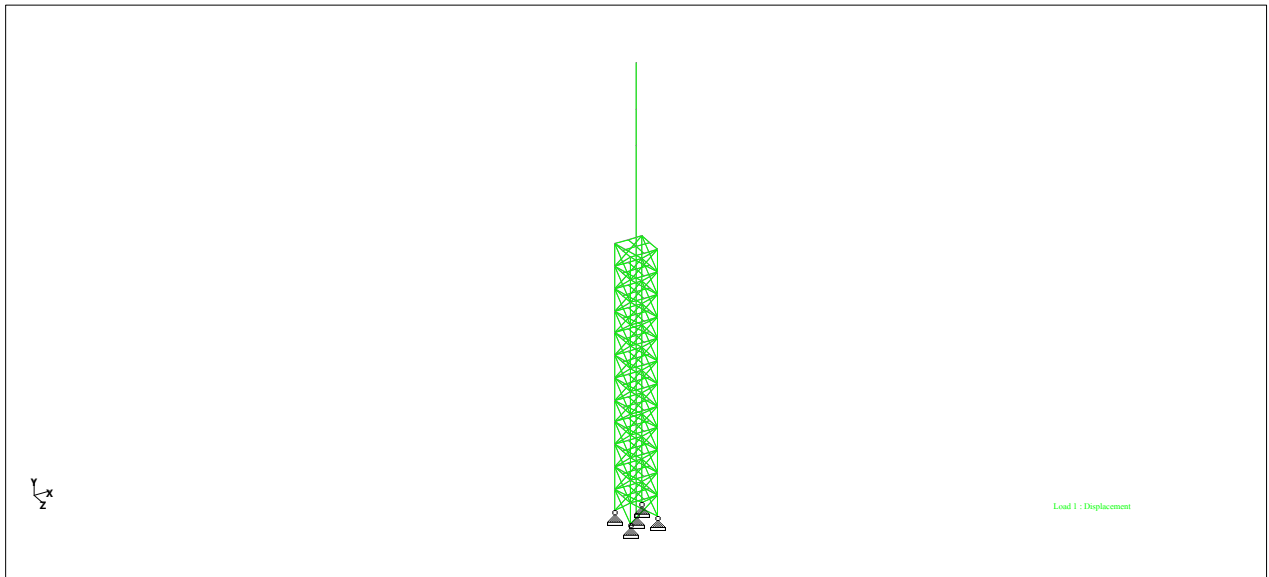
Node	L/C	X (mm)	Y (mm)	Z (mm)	Resultant (mm)	rX (deg)	rY (deg)	rZ (deg)
	3:COMBINATIC	40.403	3.583	-0.086	40.562	-0.001	-0.003	-0.232
80	1:LOAD CASE	0.001	-1.244	0.000	1.244	-0.000	0.000	-0.072
	2:LOAD CASE	53.870	-6.168	0.111	54.222	0.001	-0.004	-0.390
	3:COMBINATIC	40.403	-5.559	0.083	40.784	0.001	-0.003	-0.347
81	1:LOAD CASE	0.001	-1.359	0.001	1.359	-0.079	0.000	0.008
	2:LOAD CASE	52.251	-0.006	-0.009	52.251	-0.000	0.089	-0.365
	3:COMBINATIC	39.189	-1.024	-0.006	39.202	-0.060	0.067	-0.267
82	1:LOAD CASE	0.001	-1.257	0.001	1.257	0.073	-0.000	0.008
	2:LOAD CASE	52.527	-0.005	-0.009	52.527	0.000	-0.073	-0.367
	3:COMBINATIC	39.395	-0.946	-0.006	39.407	0.055	-0.055	-0.270
83	1:LOAD CASE	-0.001	-0.137	0.001	0.137	-0.012	0.000	-0.014
	2:LOAD CASE	52.530	5.788	-0.152	52.848	0.002	-0.041	-0.385
	3:COMBINATIC	39.397	4.238	-0.113	39.625	-0.007	-0.030	-0.299
84	1:LOAD CASE	0.002	-0.137	0.001	0.137	-0.012	0.000	0.011
	2:LOAD CASE	52.521	-5.780	0.147	52.839	-0.003	-0.045	-0.385
	3:COMBINATIC	39.392	-4.438	0.111	39.642	-0.011	-0.034	-0.280
85	1:LOAD CASE	-0.001	-0.137	-0.001	0.137	0.012	-0.000	-0.014
	2:LOAD CASE	52.254	5.748	-0.078	52.569	-0.005	0.041	-0.382
	3:COMBINATIC	39.190	4.208	-0.060	39.415	0.006	0.031	-0.297
86	1:LOAD CASE	0.002	-0.137	-0.001	0.137	0.012	-0.000	0.012
	2:LOAD CASE	52.246	-5.741	0.074	52.560	0.005	0.046	-0.382
	3:COMBINATIC	39.185	-4.409	0.055	39.433	0.012	0.034	-0.277
87	1:LOAD CASE	0.002	-0.103	0.001	0.103	0.000	0.000	-0.000
	2:LOAD CASE	65.241	0.000	-0.008	65.241	0.000	-0.016	-0.504
	3:COMBINATIC	48.932	-0.077	-0.005	48.932	0.000	-0.012	-0.378
88	1:LOAD CASE	0.002	-1.352	0.000	1.352	-0.000	-0.000	0.078
	2:LOAD CASE	65.241	6.631	-0.145	65.577	-0.001	-0.005	-0.418
	3:COMBINATIC	48.932	3.959	-0.109	49.092	-0.001	-0.004	-0.255
89	1:LOAD CASE	0.002	-1.251	0.000	1.251	-0.000	0.000	-0.072
	2:LOAD CASE	65.241	-6.724	0.139	65.586	0.001	-0.004	-0.423
	3:COMBINATIC	48.932	-5.981	0.105	49.296	0.001	-0.003	-0.371
90	1:LOAD CASE	0.001	-1.367	0.001	1.367	-0.079	0.000	0.008
	2:LOAD CASE	61.798	-0.004	-0.008	61.798	-0.000	0.189	-0.378
	3:COMBINATIC	46.349	-1.029	-0.005	46.361	-0.060	0.142	-0.277
91	1:LOAD CASE	0.001	-1.264	0.001	1.264	0.073	-0.000	0.008
	2:LOAD CASE	62.150	-0.004	-0.008	62.150	0.000	-0.167	-0.381
	3:COMBINATIC	46.613	-0.951	-0.005	46.623	0.055	-0.125	-0.280
92	1:LOAD CASE	-0.000	-0.145	0.001	0.145	-0.012	-0.000	-0.013
	2:LOAD CASE	62.152	5.994	-0.170	62.441	0.005	-0.087	-0.396
	3:COMBINATIC	46.614	4.387	-0.126	46.820	-0.006	-0.065	-0.307
93	1:LOAD CASE	0.002	-0.144	0.001	0.144	-0.011	0.000	0.011
	2:LOAD CASE	62.144	-5.984	0.164	62.431	-0.006	-0.097	-0.396
	3:COMBINATIC	46.609	-4.597	0.124	46.835	-0.013	-0.073	-0.289
94	1:LOAD CASE	-0.000	-0.145	-0.001	0.145	0.012	-0.000	-0.015
	2:LOAD CASE	61.800	5.948	-0.121	62.086	-0.007	0.088	-0.392
	3:COMBINATIC	46.350	4.353	-0.091	46.554	0.004	0.066	-0.305
95	1:LOAD CASE	0.001	-0.145	-0.001	0.145	0.011	0.000	0.012
	2:LOAD CASE	61.792	-5.941	0.115	62.077	0.008	0.098	-0.393
	3:COMBINATIC	46.345	-4.564	0.086	46.569	0.014	0.074	-0.285
96	1:LOAD CASE	0.002	-0.112	0.002	0.112	0.000	0.000	-0.000
	2:LOAD CASE	79.541	0.000	-0.007	79.541	0.000	-0.017	-0.591
	3:COMBINATIC	59.657	-0.084	-0.004	59.657	0.000	-0.013	-0.443
97	1:LOAD CASE	0.002	-1.360	-0.000	1.360	-0.000	-0.000	0.078
	2:LOAD CASE	79.540	7.182	-0.182	79.864	-0.002	-0.006	-0.450
	3:COMBINATIC	59.657	4.367	-0.136	59.816	-0.001	-0.005	-0.279
98	1:LOAD CASE	0.002	-1.260	0.000	1.260	-0.000	0.000	-0.072

Node Displacements Cont...

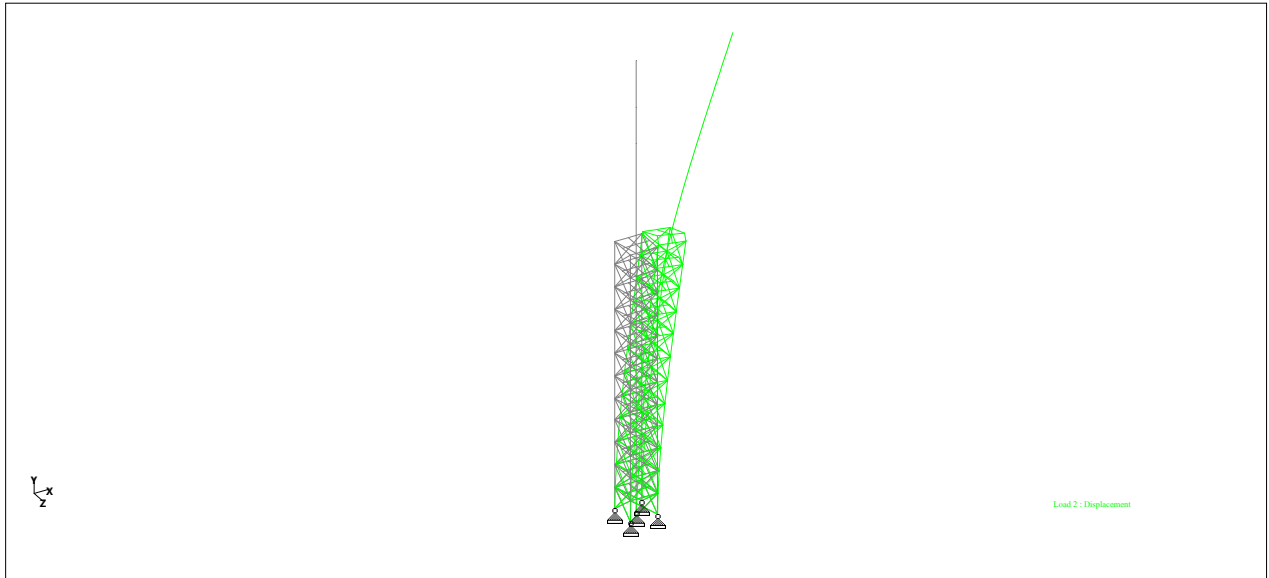
Node	L/C	X (mm)	Y (mm)	Z (mm)	Resultant (mm)	rX (deg)	rY (deg)	rZ (deg)
	2:LOAD CASE	79.540	-7.336	0.174	79.878	0.002	-0.006	-0.458
	3:COMBINATIC	59.657	-6.447	0.131	60.004	0.001	-0.004	-0.398
99	1:LOAD CASE	0.000	-1.376	0.002	1.376	-0.079	0.000	0.008
	2:LOAD CASE	72.239	-0.001	-0.007	72.239	-0.000	0.401	-0.386
	3:COMBINATIC	54.180	-1.033	-0.004	54.190	-0.059	0.301	-0.284
100	1:LOAD CASE	0.001	-1.273	0.002	1.273	0.073	-0.000	0.008
	2:LOAD CASE	72.683	-0.001	-0.007	72.683	0.000	-0.369	-0.389
	3:COMBINATIC	54.513	-0.956	-0.004	54.521	0.055	-0.277	-0.286
101	1:LOAD CASE	-0.000	-0.150	0.001	0.150	-0.013	-0.000	-0.014
	2:LOAD CASE	72.683	6.130	-0.197	72.941	0.008	-0.186	-0.402
	3:COMBINATIC	54.512	4.485	-0.147	54.696	-0.003	-0.140	-0.312
102	1:LOAD CASE	0.001	-0.150	0.001	0.150	-0.012	0.000	0.012
	2:LOAD CASE	72.674	-6.120	0.189	72.931	-0.010	-0.208	-0.402
	3:COMBINATIC	54.506	-4.703	0.143	54.709	-0.016	-0.156	-0.293
103	1:LOAD CASE	-0.000	-0.150	-0.001	0.150	0.013	-0.000	-0.015
	2:LOAD CASE	72.239	6.081	-0.166	72.495	-0.011	0.187	-0.398
	3:COMBINATIC	54.179	4.448	-0.125	54.362	0.001	0.140	-0.310
104	1:LOAD CASE	0.001	-0.150	-0.001	0.150	0.012	-0.000	0.013
	2:LOAD CASE	72.230	-6.072	0.159	72.485	0.012	0.209	-0.399
	3:COMBINATIC	54.173	-4.667	0.119	54.374	0.018	0.157	-0.290
105	1:LOAD CASE	0.003	-0.120	0.003	0.120	0.000	0.000	-0.000
	2:LOAD CASE	96.173	0.000	-0.006	96.173	0.000	-0.017	-0.681
	3:COMBINATIC	72.132	-0.090	-0.003	72.132	0.000	-0.013	-0.510
106	1:LOAD CASE	0.003	-1.364	-0.000	1.364	-0.000	-0.000	0.078
	2:LOAD CASE	96.171	7.701	-0.221	96.479	-0.002	-0.008	-0.479
	3:COMBINATIC	72.131	4.753	-0.166	72.287	-0.001	-0.006	-0.301
107	1:LOAD CASE	0.003	-1.264	0.000	1.264	-0.000	0.000	-0.072
	2:LOAD CASE	96.171	-7.923	0.212	96.497	0.002	-0.007	-0.491
	3:COMBINATIC	72.131	-6.890	0.159	72.459	0.001	-0.005	-0.422
108	1:LOAD CASE	0.000	-1.380	0.003	1.380	-0.079	0.000	0.008
	2:LOAD CASE	82.749	0.002	-0.006	82.749	0.000	0.738	-0.391
	3:COMBINATIC	62.062	-1.033	-0.003	62.071	-0.059	0.554	-0.287
109	1:LOAD CASE	0.001	-1.277	0.003	1.277	0.073	-0.000	0.008
	2:LOAD CASE	83.290	0.002	-0.006	83.290	-0.000	-0.693	-0.394
	3:COMBINATIC	62.468	-0.956	-0.003	62.475	0.054	-0.520	-0.290
110	1:LOAD CASE	0.000	-0.154	0.000	0.154	-0.012	-0.000	-0.014
	2:LOAD CASE	83.285	6.198	-0.228	83.516	0.011	-0.345	-0.402
	3:COMBINATIC	62.464	4.533	-0.171	62.629	-0.001	-0.259	-0.312
111	1:LOAD CASE	0.001	-0.154	0.000	0.154	-0.012	0.000	0.011
	2:LOAD CASE	83.277	-6.186	0.219	83.506	-0.014	-0.386	-0.403
	3:COMBINATIC	62.458	-4.755	0.165	62.639	-0.019	-0.289	-0.294
112	1:LOAD CASE	0.000	-0.154	-0.001	0.154	0.012	-0.000	-0.015
	2:LOAD CASE	82.745	6.147	-0.214	82.973	-0.014	0.346	-0.398
	3:COMBINATIC	62.059	4.495	-0.161	62.222	-0.001	0.260	-0.310
113	1:LOAD CASE	0.001	-0.154	-0.000	0.154	0.012	0.000	0.013
	2:LOAD CASE	82.736	-6.137	0.205	82.964	0.016	0.386	-0.399
	3:COMBINATIC	62.053	-4.718	0.153	62.232	0.021	0.290	-0.290
114	1:LOAD CASE	0.004	-0.126	0.003	0.127	0.000	0.000	-0.000
	2:LOAD CASE	115.172	0.000	-0.005	115.172	0.000	-0.018	-0.769
	3:COMBINATIC	86.382	-0.095	-0.001	86.382	0.000	-0.013	-0.577
115	1:LOAD CASE	0.004	-1.418	-0.000	1.418	-0.000	-0.000	0.081
	2:LOAD CASE	115.170	8.314	-0.263	115.470	-0.002	-0.009	-0.515
	3:COMBINATIC	86.380	5.172	-0.197	86.535	-0.001	-0.007	-0.326
116	1:LOAD CASE	0.004	-1.312	-0.000	1.312	-0.000	0.000	-0.074
	2:LOAD CASE	115.170	-8.605	0.252	115.491	0.002	-0.008	-0.531
	3:COMBINATIC	86.380	-7.438	0.189	86.700	0.001	-0.006	-0.454

Node Displacements Cont...

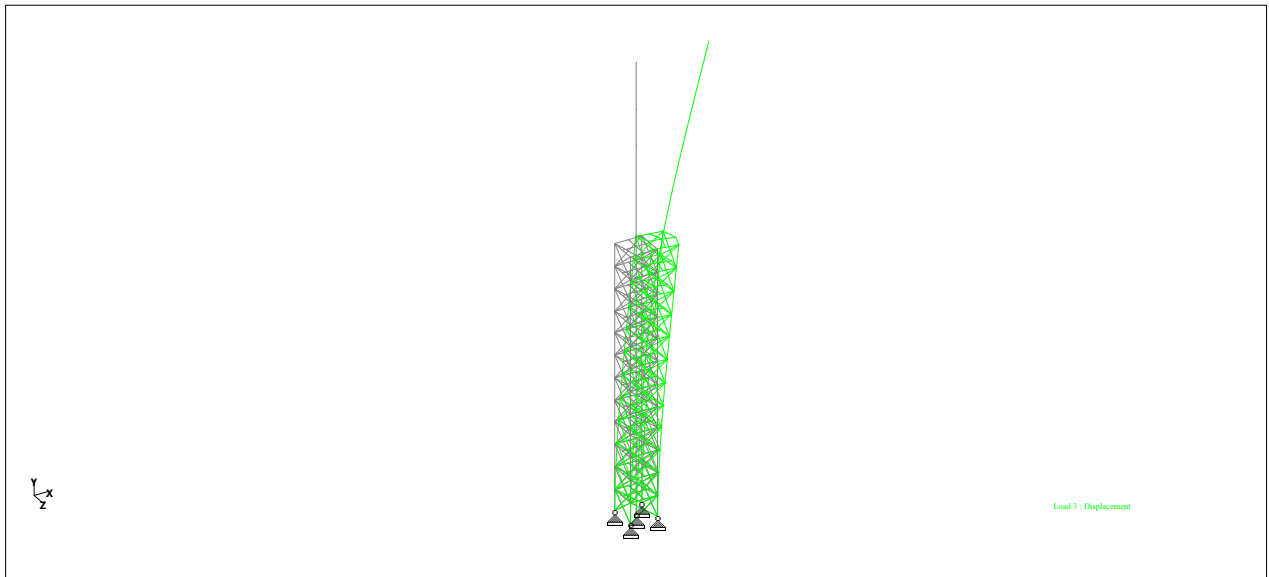
Node	L/C	X (mm)	Y (mm)	Z (mm)	Resultant (mm)	rX (deg)	rY (deg)	rZ (deg)
117	1:LOAD CASE	0.000	-1.446	0.003	1.446	-0.083	0.000	0.009
	2:LOAD CASE	93.195	0.006	-0.005	93.195	0.000	1.209	-0.392
	3:COMBINATIC	69.896	-1.080	-0.001	69.905	-0.062	0.907	-0.287
118	1:LOAD CASE	0.001	-1.335	0.003	1.335	0.076	-0.000	0.008
	2:LOAD CASE	93.832	0.005	-0.005	93.832	-0.000	-1.147	-0.395
	3:COMBINATIC	70.374	-0.997	-0.001	70.381	0.057	-0.860	-0.290
119	1:LOAD CASE	0.001	-0.155	-0.000	0.155	-0.024	-0.000	-0.026
	2:LOAD CASE	93.822	6.218	-0.267	94.028	0.043	-0.587	-0.406
	3:COMBINATIC	70.367	4.547	-0.200	70.514	0.015	-0.440	-0.324
120	1:LOAD CASE	0.001	-0.155	-0.000	0.155	-0.022	0.000	0.022
	2:LOAD CASE	93.811	-6.204	0.257	94.016	-0.047	-0.652	-0.409
	3:COMBINATIC	70.358	-4.770	0.192	70.520	-0.052	-0.489	-0.290
121	1:LOAD CASE	0.000	-0.155	-0.000	0.155	0.024	0.000	-0.028
	2:LOAD CASE	93.186	6.166	-0.259	93.391	-0.045	0.589	-0.403
	3:COMBINATIC	69.890	4.508	-0.194	70.036	-0.016	0.442	-0.323
122	1:LOAD CASE	0.000	-0.155	-0.000	0.155	0.022	0.000	0.024
	2:LOAD CASE	93.175	-6.154	0.248	93.379	0.051	0.655	-0.405
	3:COMBINATIC	69.882	-4.732	0.186	70.042	0.055	0.491	-0.286
123	1:LOAD CASE	0.012	-0.150	0.011	0.151	0.000	0.000	-0.000
	2:LOAD CASE	320.674	0.000	0.004	320.674	0.000	-0.018	-1.039
	3:COMBINATIC	240.515	-0.112	0.011	240.515	0.000	-0.013	-0.779



deformatiom dl (Input data was modified after picture taken)



deformatiom wl (Input data was modified after picture taken)



deformatiom dl+wl (Input data was modified after picture taken)

Beam Maximum Moments

Distances to maxima are given from beam end A.

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
1	1	0.001	1:LOAD CASE	Max -ve	0.001	0.185	0.001	0.186
				Max +ve	0.000	0.000	0.000	0.000
			2:LOAD CASE	Max -ve	0.001	0.592	0.001	605.466
				Max +ve	0.000	-0.000		
			3:COMBINATIC	Max -ve	0.001	0.582	0.001	454.239
				Max +ve	0.000	-0.000		
2	2	0.001	1:LOAD CASE	Max -ve	0.001	0.255	0.001	0.258
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	1.177	0.001	2.57E+3
				Max +ve				
			3:COMBINATIC	Max -ve	0.001	1.039	0.001	1.93E+3
				Max +ve				
3	3	0.001	1:LOAD CASE	Max -ve	0.001	0.354	0.001	0.355
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.579	0.001	3.87E+3
				Max +ve				

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			3:COMBINATIC	Max -ve	0.001	0.601	0.001	2.91E+3
				Max +ve				
4	4	0.006	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.000	0.000	-0.000
			2:LOAD CASE	Max -ve			0.000	3.68E+3
				Max +ve	0.006	-0.000		
			3:COMBINATIC	Max -ve			0.000	2.76E+3
				Max +ve	0.000	-0.000		
5	5	0.002	1:LOAD CASE	Max -ve			0.000	0.000
				Max +ve	0.002	-0.000	0.002	-0.000
			2:LOAD CASE	Max -ve			0.000	830.007
				Max +ve	0.000	-0.000		
			3:COMBINATIC	Max -ve			0.000	622.505
				Max +ve	0.000	-0.000		
18	15	0.002	1:LOAD CASE	Max -ve	0.002	0.200	0.002	0.204
				Max +ve	0.000	-0.001		
			2:LOAD CASE	Max -ve	0.002	0.970	0.002	1.21E+3
				Max +ve				
			3:COMBINATIC	Max -ve	0.002	0.878	0.002	907.668
				Max +ve				
23	11	0.001	1:LOAD CASE	Max -ve	0.000	0.051	0.001	0.266
				Max +ve	0.001	-0.243	0.000	-0.051
			2:LOAD CASE	Max -ve	0.001	0.185	0.001	0.568
				Max +ve	0.000	-0.016		
			3:COMBINATIC	Max -ve	0.000	0.026	0.001	0.625
				Max +ve	0.001	-0.044	0.000	-0.022
24	12	0.001	1:LOAD CASE	Max -ve	0.000	0.051	0.000	0.051
				Max +ve	0.001	-0.223	0.001	-0.224
			2:LOAD CASE	Max -ve	0.000	0.015	0.001	0.584
				Max +ve	0.001	-0.199		
			3:COMBINATIC	Max -ve	0.000	0.050	0.001	0.270
				Max +ve	0.001	-0.316		
25	13	0.001	1:LOAD CASE	Max -ve	0.001	0.243	0.001	0.286
				Max +ve	0.000	-0.051	0.000	-0.051
			2:LOAD CASE	Max -ve	0.000	0.016	0.001	0.566
				Max +ve	0.001	-0.187		
			3:COMBINATIC	Max -ve	0.001	0.042	0.001	0.639
				Max +ve	0.000	-0.026	0.000	-0.022
26	14	0.001	1:LOAD CASE	Max -ve	0.001	0.222	0.000	0.051
				Max +ve	0.000	-0.051	0.001	-0.245
			2:LOAD CASE	Max -ve	0.001	0.199	0.001	0.582
				Max +ve	0.000	-0.015		
			3:COMBINATIC	Max -ve	0.001	0.316	0.001	0.253
				Max +ve	0.000	-0.050		
27	16	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	1.245
				Max +ve	0.000	-0.000	0.000	-0.159
			2:LOAD CASE	Max -ve	0.001	0.869	0.001	1.008
				Max +ve	0.000	-0.007		
			3:COMBINATIC	Max -ve	0.001	0.652	0.001	1.689
				Max +ve	0.000	-0.005	0.000	-0.022
28	15	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.429
				Max +ve	0.001	-0.000	0.001	-0.116
			2:LOAD CASE	Max -ve	0.001	0.004		
				Max +ve	0.000	-1.038	0.000	-1.158
			3:COMBINATIC	Max -ve	0.001	0.003	0.000	0.203
				Max +ve	0.000	-0.778	0.001	-0.363

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)	
29	18	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	1.260	
				Max +ve	0.001	-0.000	0.000	-0.155	
				2:LOAD CASE	Max -ve	0.001	9.800	0.001	0.013
					Max +ve	0.000	-1.847	0.000	-0.000
				3:COMBINATIC	Max -ve	0.001	7.349	0.001	0.955
					Max +ve	0.000	-1.385	0.000	-0.114
30	15	0.001	1:LOAD CASE	Max -ve	0.001	0.000	0.000	1.446	
				Max +ve	0.000	-0.001	0.001	-0.114	
				2:LOAD CASE	Max -ve	0.000	9.814	0.000	0.018
					Max +ve	0.001	-1.770	0.001	-0.000
				3:COMBINATIC	Max -ve	0.000	7.360	0.000	1.098
					Max +ve	0.001	-1.328	0.001	-0.083
31	16	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	0.473	
				Max +ve	0.001	-0.002	0.000	-0.644	
				2:LOAD CASE	Max -ve	0.000	1.266	0.000	0.286
					Max +ve	0.001	-0.599	0.001	-0.218
				3:COMBINATIC	Max -ve	0.000	0.951	0.001	0.191
					Max +ve	0.001	-0.451	0.000	-0.268
32	17	0.001	1:LOAD CASE	Max -ve	0.001	0.002	0.001	0.436	
				Max +ve	0.000	-0.002	0.000	-0.590	
				2:LOAD CASE	Max -ve	0.000	1.265	0.001	0.249
					Max +ve	0.001	-0.555	0.000	-0.330
				3:COMBINATIC	Max -ve	0.000	0.947	0.001	0.513
					Max +ve	0.001	-0.415	0.000	-0.690
33	16	0.001	1:LOAD CASE	Max -ve	0.001	0.002	0.001	0.473	
				Max +ve	0.000	-0.002	0.000	-0.644	
				2:LOAD CASE	Max -ve	0.001	0.601	0.000	0.286
					Max +ve	0.000	-1.259	0.001	-0.218
				3:COMBINATIC	Max -ve	0.001	0.452	0.001	0.192
					Max +ve	0.000	-0.946	0.000	-0.268
34	17	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	0.436	
				Max +ve	0.001	-0.001	0.000	-0.590	
				2:LOAD CASE	Max -ve	0.001	0.561	0.001	0.249
					Max +ve	0.000	-1.261	0.000	-0.330
				3:COMBINATIC	Max -ve	0.001	0.420	0.001	0.514
					Max +ve	0.000	-0.944	0.000	-0.690
35	22	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	0.573	
				Max +ve	0.001	-0.002	0.001	-0.584	
				2:LOAD CASE	Max -ve	0.000	0.517		
					Max +ve	0.001	-0.824	0.000	-0.225
				3:COMBINATIC	Max -ve	0.000	0.389	0.000	0.261
					Max +ve	0.001	-0.619	0.001	-0.443
36	18	0.001	1:LOAD CASE	Max -ve	0.001	0.002	0.001	0.476	
				Max +ve	0.000	-0.002	0.000	-0.585	
				2:LOAD CASE	Max -ve	0.000	1.023	0.001	0.198
					Max +ve	0.001	-0.471	0.000	-0.007
				3:COMBINATIC	Max -ve	0.000	0.766	0.001	0.506
					Max +ve	0.001	-0.352	0.000	-0.444
37	20	0.001	1:LOAD CASE	Max -ve	0.001	0.002	0.000	0.526	
				Max +ve	0.000	-0.002	0.001	-0.535	
				2:LOAD CASE	Max -ve	0.001	0.792		
					Max +ve	0.000	-0.515	0.000	-0.226
				3:COMBINATIC	Max -ve	0.001	0.595	0.000	0.225
					Max +ve	0.000	-0.388	0.001	-0.405
38	19	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	0.438	
				Max +ve	0.001	-0.002	0.000	-0.535	

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			2:LOAD CASE	Max -ve	0.001	0.469	0.001	0.198
				Max +ve	0.000	-0.978	0.000	-0.006
			3:COMBINATIC	Max -ve	0.001	0.350	0.001	0.477
				Max +ve	0.000	-0.732	0.000	-0.406
39	24	0.001	1:LOAD CASE	Max -ve	0.001	0.219	0.001	0.223
				Max +ve				
			2:LOAD CASE	Max -ve	0.001	1.151	0.001	1.74E+3
				Max +ve				
			3:COMBINATIC	Max -ve	0.001	1.027	0.001	1.31E+3
				Max +ve				
44	20	0.002	1:LOAD CASE	Max -ve	0.000	0.289	0.002	0.263
				Max +ve	0.002	-0.237	0.000	-0.316
			2:LOAD CASE	Max -ve	0.002	0.033	0.000	0.811
				Max +ve	0.000	-0.028		
			3:COMBINATIC	Max -ve	0.000	0.196	0.002	0.538
				Max +ve	0.002	-0.154		
45	21	0.002	1:LOAD CASE	Max -ve	0.000	0.264	0.000	0.266
				Max +ve	0.002	-0.221	0.002	-0.219
			2:LOAD CASE	Max -ve	0.000	0.044	0.000	0.798
				Max +ve	0.002	-0.037		
			3:COMBINATIC	Max -ve	0.000	0.231	0.000	0.798
				Max +ve	0.002	-0.194		
46	22	0.002	1:LOAD CASE	Max -ve	0.002	0.237	0.002	0.280
				Max +ve	0.000	-0.288	0.000	-0.341
			2:LOAD CASE	Max -ve	0.000	0.025	0.000	0.807
				Max +ve	0.002	-0.033		
			3:COMBINATIC	Max -ve	0.002	0.154	0.002	0.552
				Max +ve	0.000	-0.197		
47	23	0.002	1:LOAD CASE	Max -ve	0.002	0.221	0.000	0.291
				Max +ve	0.000	-0.264	0.002	-0.239
			2:LOAD CASE	Max -ve	0.002	0.036	0.000	0.794
				Max +ve	0.000	-0.039		
			3:COMBINATIC	Max -ve	0.002	0.193	0.000	0.813
				Max +ve	0.000	-0.227		
48	25	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	1.251
				Max +ve	0.000	-0.000	0.000	-0.158
			2:LOAD CASE	Max -ve	0.001	0.856	0.001	0.460
				Max +ve			0.000	-0.004
			3:COMBINATIC	Max -ve	0.001	0.643	0.001	1.283
				Max +ve			0.000	-0.056
49	24	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.437
				Max +ve	0.001	-0.000	0.001	-0.115
			2:LOAD CASE	Max -ve			0.001	0.004
				Max +ve	0.000	-1.002	0.000	-0.530
			3:COMBINATIC	Max -ve			0.000	0.680
				Max +ve	0.000	-0.750	0.001	-0.183
50	27	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	1.266
				Max +ve	0.001	-0.001	0.000	-0.154
			2:LOAD CASE	Max -ve	0.001	13.634	0.001	0.012
				Max +ve	0.000	-2.727	0.000	-0.000
			3:COMBINATIC	Max -ve	0.001	10.225	0.001	0.959
				Max +ve	0.000	-2.045	0.000	-0.113
51	24	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.000	1.453
				Max +ve	0.000	-0.001	0.001	-0.113
			2:LOAD CASE	Max -ve	0.000	14.425	0.000	0.015
				Max +ve	0.001	-2.606	0.001	-0.000

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			3:COMBINATIC	Max -ve	0.000	10.818	0.000	1.102
				Max +ve	0.001	-1.954	0.001	-0.083
52	25	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	0.471
				Max +ve	0.001	-0.002	0.000	-0.643
			2:LOAD CASE	Max -ve	0.000	1.801	0.000	0.139
				Max +ve	0.001	-0.883	0.001	-0.093
			3:COMBINATIC	Max -ve	0.000	1.352	0.001	0.283
				Max +ve	0.001	-0.663	0.000	-0.378
53	26	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.432
				Max +ve	0.000	-0.002	0.000	-0.589
			2:LOAD CASE	Max -ve	0.000	1.797	0.001	0.108
				Max +ve	0.001	-0.816	0.000	-0.159
			3:COMBINATIC	Max -ve	0.000	1.346	0.001	0.405
				Max +ve	0.001	-0.611	0.000	-0.561
54	25	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.471
				Max +ve	0.000	-0.001	0.000	-0.643
			2:LOAD CASE	Max -ve	0.001	0.888	0.000	0.139
				Max +ve	0.000	-1.804	0.001	-0.094
			3:COMBINATIC	Max -ve	0.001	0.667	0.001	0.283
				Max +ve	0.000	-1.354	0.000	-0.378
55	26	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	0.433
				Max +ve	0.001	-0.001	0.000	-0.589
			2:LOAD CASE	Max -ve	0.001	0.831	0.001	0.109
				Max +ve	0.000	-1.806	0.000	-0.159
			3:COMBINATIC	Max -ve	0.001	0.623	0.001	0.406
				Max +ve	0.000	-1.354	0.000	-0.561
56	31	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.571
				Max +ve	0.001	-0.001	0.001	-0.583
			2:LOAD CASE	Max -ve	0.000	0.766		
				Max +ve	0.001	-1.216	0.000	-0.215
			3:COMBINATIC	Max -ve	0.000	0.576	0.000	0.267
				Max +ve	0.001	-0.913	0.001	-0.442
57	27	0.001	1:LOAD CASE	Max -ve	0.001	0.002	0.001	0.474
				Max +ve	0.000	-0.002	0.000	-0.584
			2:LOAD CASE	Max -ve	0.000	1.511	0.001	0.191
				Max +ve	0.001	-0.695	0.000	-0.006
			3:COMBINATIC	Max -ve	0.000	1.132	0.001	0.499
				Max +ve	0.001	-0.520	0.000	-0.442
58	29	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.000	0.522
				Max +ve	0.000	-0.001	0.001	-0.534
			2:LOAD CASE	Max -ve	0.001	1.166		
				Max +ve	0.000	-0.755	0.000	-0.215
			3:COMBINATIC	Max -ve	0.001	0.876	0.000	0.230
				Max +ve	0.000	-0.567	0.001	-0.404
59	28	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	0.436
				Max +ve	0.001	-0.002	0.000	-0.534
			2:LOAD CASE	Max -ve	0.001	0.686	0.001	0.190
				Max +ve	0.000	-1.440	0.000	-0.005
			3:COMBINATIC	Max -ve	0.001	0.513	0.001	0.470
				Max +ve	0.000	-1.078	0.000	-0.404
60	33	0.002	1:LOAD CASE	Max -ve	0.002	0.243	0.002	0.247
				Max +ve				
			2:LOAD CASE	Max -ve	0.002	1.187	0.002	2.2E+3
				Max +ve				
			3:COMBINATIC	Max -ve	0.002	1.072	0.002	1.65E+3
				Max +ve				

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
65	29	0.001	1:LOAD CASE	Max -ve	0.000	0.293	0.001	0.263
				Max +ve	0.001	-0.238	0.000	-0.325
			2:LOAD CASE	Max -ve	0.001	0.012	0.000	0.698
				Max +ve	0.000	-0.055		
			3:COMBINATIC	Max -ve	0.000	0.178	0.001	0.479
				Max +ve	0.001	-0.169		
66	30	0.001	1:LOAD CASE	Max -ve	0.000	0.273	0.000	0.270
				Max +ve	0.001	-0.221	0.001	-0.219
			2:LOAD CASE	Max -ve	0.000	0.059	0.000	0.676
				Max +ve	0.001	-0.012		
			3:COMBINATIC	Max -ve	0.000	0.249	0.000	0.709
				Max +ve	0.001	-0.175		
67	31	0.001	1:LOAD CASE	Max -ve	0.001	0.237	0.001	0.280
				Max +ve	0.000	-0.292	0.000	-0.345
			2:LOAD CASE	Max -ve	0.000	0.050	0.000	0.691
				Max +ve	0.001	-0.012		
			3:COMBINATIC	Max -ve	0.001	0.169	0.001	0.493
				Max +ve	0.000	-0.182		
68	32	0.001	1:LOAD CASE	Max -ve	0.001	0.221	0.000	0.295
				Max +ve	0.000	-0.272	0.001	-0.239
			2:LOAD CASE	Max -ve	0.001	0.011	0.000	0.673
				Max +ve	0.000	-0.054		
			3:COMBINATIC	Max -ve	0.001	0.174	0.000	0.726
				Max +ve	0.000	-0.244		
69	34	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	1.255
				Max +ve	0.000	-0.000	0.000	-0.157
			2:LOAD CASE	Max -ve	0.001	0.832	0.001	0.118
				Max +ve			0.000	-0.007
			3:COMBINATIC	Max -ve	0.001	0.625	0.001	1.030
				Max +ve			0.000	-0.100
70	33	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.443
				Max +ve	0.001	-0.000	0.001	-0.114
			2:LOAD CASE	Max -ve			0.001	0.007
				Max +ve	0.000	-0.956	0.000	-0.137
			3:COMBINATIC	Max -ve			0.000	0.979
				Max +ve	0.000	-0.716	0.001	-0.103
71	36	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	1.271
				Max +ve	0.001	-0.001	0.000	-0.152
			2:LOAD CASE	Max -ve	0.001	13.375	0.001	0.011
				Max +ve	0.000	-2.692	0.000	-0.000
			3:COMBINATIC	Max -ve	0.001	10.031	0.001	0.961
				Max +ve	0.000	-2.019	0.000	-0.112
72	33	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.000	1.458
				Max +ve	0.000	-0.001	0.001	-0.112
			2:LOAD CASE	Max -ve	0.000	14.003	0.000	0.014
				Max +ve	0.001	-2.540	0.001	-0.000
			3:COMBINATIC	Max -ve	0.000	10.501	0.000	1.104
				Max +ve	0.001	-1.905	0.001	-0.082
73	34	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	0.470
				Max +ve	0.001	-0.002	0.000	-0.641
			2:LOAD CASE	Max -ve	0.000	1.751	0.000	0.039
				Max +ve	0.001	-0.860	0.001	-0.023
			3:COMBINATIC	Max -ve	0.000	1.314	0.001	0.335
				Max +ve	0.001	-0.646	0.000	-0.452
74	35	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.431
				Max +ve	0.000	-0.002	0.000	-0.587

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			2:LOAD CASE	Max -ve	0.000	1.745	0.001	0.027
				Max +ve	0.001	-0.794	0.000	-0.044
			3:COMBINATIC	Max -ve	0.000	1.308	0.001	0.344
				Max +ve	0.001	-0.595	0.000	-0.474
75	34	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.470
				Max +ve	0.000	-0.001	0.000	-0.641
			2:LOAD CASE	Max -ve	0.001	0.874	0.000	0.039
				Max +ve	0.000	-1.769	0.001	-0.024
			3:COMBINATIC	Max -ve	0.001	0.657	0.001	0.334
				Max +ve	0.000	-1.328	0.000	-0.452
76	35	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	0.432
				Max +ve	0.001	-0.001	0.000	-0.587
			2:LOAD CASE	Max -ve	0.001	0.819	0.001	0.029
				Max +ve	0.000	-1.773	0.000	-0.044
			3:COMBINATIC	Max -ve	0.001	0.614	0.001	0.345
				Max +ve	0.000	-1.329	0.000	-0.474
77	40	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.570
				Max +ve	0.001	-0.001	0.001	-0.582
			2:LOAD CASE	Max -ve	0.000	0.758		
				Max +ve	0.001	-1.199	0.000	-0.199
			3:COMBINATIC	Max -ve	0.000	0.569	0.000	0.278
				Max +ve	0.001	-0.900	0.001	-0.441
78	36	0.001	1:LOAD CASE	Max -ve	0.001	0.002	0.001	0.473
				Max +ve	0.000	-0.002	0.000	-0.582
			2:LOAD CASE	Max -ve	0.000	1.493	0.001	0.177
				Max +ve	0.001	-0.688	0.000	-0.006
			3:COMBINATIC	Max -ve	0.000	1.118	0.001	0.487
				Max +ve	0.001	-0.515	0.000	-0.441
79	38	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.000	0.521
				Max +ve	0.000	-0.001	0.001	-0.533
			2:LOAD CASE	Max -ve	0.001	1.138		
				Max +ve	0.000	-0.738	0.000	-0.199
			3:COMBINATIC	Max -ve	0.001	0.854	0.000	0.241
				Max +ve	0.000	-0.554	0.001	-0.403
80	37	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	0.435
				Max +ve	0.001	-0.002	0.000	-0.533
			2:LOAD CASE	Max -ve	0.001	0.670	0.001	0.176
				Max +ve	0.000	-1.402	0.000	-0.005
			3:COMBINATIC	Max -ve	0.001	0.501	0.001	0.458
				Max +ve	0.000	-1.050	0.000	-0.403
81	42	0.000	1:LOAD CASE	Max -ve	0.000	0.084	0.000	0.088
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	1.185	0.000	2.25E+3
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.946	0.000	1.69E+3
				Max +ve				
86	38	0.002	1:LOAD CASE	Max -ve	0.000	0.291	0.002	0.254
				Max +ve	0.002	-0.228	0.000	-0.323
			2:LOAD CASE	Max -ve			0.000	0.603
				Max +ve	0.000	-0.010		
			3:COMBINATIC	Max -ve	0.000	0.211	0.002	0.419
				Max +ve	0.002	-0.177		
87	39	0.002	1:LOAD CASE	Max -ve	0.000	0.272	0.000	0.269
				Max +ve	0.002	-0.216	0.002	-0.213
			2:LOAD CASE	Max -ve	0.002	0.011	0.000	0.584
				Max +ve				

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			3:COMBINATIC	Max -ve	0.000	0.210	0.000	0.639
				Max +ve	0.002	-0.154		
88	40	0.002	1:LOAD CASE	Max -ve	0.002	0.228	0.002	0.270
				Max +ve	0.000	-0.291	0.000	-0.344
			2:LOAD CASE	Max -ve	0.002	0.007	0.000	0.597
				Max +ve				
			3:COMBINATIC	Max -ve	0.002	0.176	0.002	0.431
				Max +ve	0.000	-0.215		
89	41	0.002	1:LOAD CASE	Max -ve	0.002	0.216	0.000	0.294
				Max +ve	0.000	-0.271	0.002	-0.230
			2:LOAD CASE	Max -ve			0.000	0.581
				Max +ve	0.002	-0.009		
			3:COMBINATIC	Max -ve	0.002	0.155	0.000	0.656
				Max +ve	0.000	-0.206		
90	43	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	1.257
				Max +ve	0.000	-0.000	0.000	-0.156
			2:LOAD CASE	Max -ve	0.001	0.796		
				Max +ve			0.001	-0.054
			3:COMBINATIC	Max -ve	0.001	0.598	0.001	0.902
				Max +ve			0.000	-0.132
91	42	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.445
				Max +ve	0.001	-0.000	0.001	-0.114
			2:LOAD CASE	Max -ve			0.000	0.060
				Max +ve	0.000	-0.902		
			3:COMBINATIC	Max -ve			0.000	1.129
				Max +ve	0.000	-0.675	0.001	-0.073
92	45	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	1.271
				Max +ve	0.001	-0.001	0.000	-0.152
			2:LOAD CASE	Max -ve	0.001	10.807	0.001	0.011
				Max +ve	0.000	-2.151	0.000	-0.000
			3:COMBINATIC	Max -ve	0.001	8.104	0.001	0.962
				Max +ve	0.000	-1.613	0.000	-0.112
93	42	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.000	1.460
				Max +ve	0.000	-0.001	0.001	-0.111
			2:LOAD CASE	Max -ve	0.000	10.723	0.000	0.013
				Max +ve	0.001	-1.972	0.001	-0.000
			3:COMBINATIC	Max -ve	0.000	8.041	0.000	1.105
				Max +ve	0.001	-1.479	0.001	-0.082
94	43	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.471
				Max +ve	0.001	-0.002	0.000	-0.639
			2:LOAD CASE	Max -ve	0.000	1.367	0.001	0.013
				Max +ve	0.001	-0.670	0.000	-0.011
			3:COMBINATIC	Max -ve	0.000	1.026	0.001	0.363
				Max +ve	0.001	-0.504	0.000	-0.488
95	44	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.432
				Max +ve	0.000	-0.002	0.000	-0.586
			2:LOAD CASE	Max -ve	0.000	1.362	0.000	0.013
				Max +ve	0.001	-0.622	0.001	-0.013
			3:COMBINATIC	Max -ve	0.000	1.020	0.001	0.314
				Max +ve	0.001	-0.466	0.000	-0.429
96	43	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.471
				Max +ve	0.000	-0.001	0.000	-0.639
			2:LOAD CASE	Max -ve	0.001	0.697	0.001	0.011
				Max +ve	0.000	-1.408	0.000	-0.011
			3:COMBINATIC	Max -ve	0.001	0.524	0.001	0.362
				Max +ve	0.000	-1.057	0.000	-0.488

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
97	44	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.432
				Max +ve	0.001	-0.001	0.000	-0.586
			2:LOAD CASE	Max -ve	0.001	0.656	0.000	0.013
				Max +ve	0.000	-1.413	0.001	-0.012
			3:COMBINATIC	Max -ve	0.001	0.491	0.001	0.315
				Max +ve	0.000	-1.059	0.000	-0.429
98	49	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.572
				Max +ve	0.001	-0.001	0.001	-0.580
			2:LOAD CASE	Max -ve	0.000	0.605		
				Max +ve	0.001	-0.957	0.000	-0.185
			3:COMBINATIC	Max -ve	0.000	0.454	0.000	0.291
				Max +ve	0.001	-0.719	0.001	-0.439
99	45	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.474
				Max +ve	0.000	-0.001	0.000	-0.580
			2:LOAD CASE	Max -ve	0.000	1.194	0.001	0.163
				Max +ve	0.001	-0.549	0.000	-0.005
			3:COMBINATIC	Max -ve	0.000	0.894	0.001	0.478
				Max +ve	0.001	-0.411	0.000	-0.439
100	47	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.000	0.523
				Max +ve	0.000	-0.001	0.001	-0.531
			2:LOAD CASE	Max -ve	0.001	0.885		
				Max +ve	0.000	-0.573	0.000	-0.185
			3:COMBINATIC	Max -ve	0.001	0.664	0.000	0.254
				Max +ve	0.000	-0.430	0.001	-0.401
101	46	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	0.435
				Max +ve	0.001	-0.002	0.000	-0.531
			2:LOAD CASE	Max -ve	0.001	0.515	0.001	0.163
				Max +ve	0.000	-1.087	0.000	-0.005
			3:COMBINATIC	Max -ve	0.001	0.385	0.001	0.449
				Max +ve	0.000	-0.814	0.000	-0.401
102	51	0.001	1:LOAD CASE	Max -ve	0.001	0.290	0.001	0.293
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	1.128	0.001	2.93E+3
				Max +ve				
			3:COMBINATIC	Max -ve	0.001	0.968	0.001	2.2E+3
				Max +ve				
103	60	0.002	1:LOAD CASE	Max -ve	0.002	0.326	0.002	0.329
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	1.000	0.002	3.28E+3
				Max +ve				
			3:COMBINATIC	Max -ve	0.002	0.864	0.002	2.46E+3
				Max +ve				
104	69	0.002	1:LOAD CASE	Max -ve	0.002	0.354	0.002	0.356
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.826	0.002	3.6E+3
				Max +ve				
			3:COMBINATIC	Max -ve	0.002	0.738	0.002	2.7E+3
				Max +ve				
105	78	0.000	1:LOAD CASE	Max -ve	0.000	0.218	0.000	0.220
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.631	0.000	3.68E+3
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.598	0.000	2.76E+3
				Max +ve				
111	47	0.001	1:LOAD CASE	Max -ve	0.000	0.302	0.001	0.270
				Max +ve	0.001	-0.247	0.000	-0.335

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			2:LOAD CASE	Max -ve	0.000	0.004	0.000	0.519
				Max +ve	0.001	-0.013		
			3:COMBINATIC	Max -ve	0.000	0.230	0.001	0.388
				Max +ve	0.001	-0.195		
112	48	0.001	1:LOAD CASE	Max -ve	0.000	0.285	0.000	0.282
				Max +ve	0.001	-0.226	0.001	-0.227
			2:LOAD CASE	Max -ve	0.001	0.013	0.000	0.503
				Max +ve	0.000	-0.009		
			3:COMBINATIC	Max -ve	0.000	0.208	0.000	0.589
				Max +ve	0.001	-0.160		
113	49	0.001	1:LOAD CASE	Max -ve	0.001	0.247	0.001	0.292
				Max +ve	0.000	-0.301	0.000	-0.356
			2:LOAD CASE	Max -ve	0.001	0.011	0.000	0.513
				Max +ve	0.000	-0.009		
			3:COMBINATIC	Max -ve	0.001	0.193	0.001	0.402
				Max +ve	0.000	-0.233		
114	50	0.001	1:LOAD CASE	Max -ve	0.001	0.226	0.000	0.303
				Max +ve	0.000	-0.285	0.001	-0.249
			2:LOAD CASE	Max -ve	0.000	0.011	0.000	0.500
				Max +ve	0.001	-0.012		
			3:COMBINATIC	Max -ve	0.001	0.160	0.000	0.602
				Max +ve	0.000	-0.205		
115	52	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	1.260
				Max +ve	0.000	-0.000	0.000	-0.155
			2:LOAD CASE	Max -ve	0.001	0.752		
				Max +ve			0.001	-0.078
			3:COMBINATIC	Max -ve	0.001	0.564	0.001	0.887
				Max +ve			0.000	-0.135
116	51	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.447
				Max +ve	0.001	-0.000	0.001	-0.113
			2:LOAD CASE	Max -ve			0.000	0.087
				Max +ve	0.000	-0.843		
			3:COMBINATIC	Max -ve			0.000	1.150
				Max +ve	0.000	-0.631	0.001	-0.069
117	54	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	1.275
				Max +ve	0.001	-0.001	0.000	-0.151
			2:LOAD CASE	Max -ve	0.001	7.766	0.001	0.010
				Max +ve	0.000	-1.503	0.000	-0.000
			3:COMBINATIC	Max -ve	0.001	5.824	0.001	0.964
				Max +ve	0.000	-1.127	0.000	-0.112
118	51	0.001	1:LOAD CASE	Max -ve	0.001	0.000	0.000	1.463
				Max +ve	0.000	-0.001	0.001	-0.111
			2:LOAD CASE	Max -ve	0.000	6.840	0.000	0.012
				Max +ve	0.001	-1.292	0.001	-0.000
			3:COMBINATIC	Max -ve	0.000	5.129	0.000	1.106
				Max +ve	0.001	-0.969	0.001	-0.082
119	52	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.470
				Max +ve	0.001	-0.001	0.000	-0.638
			2:LOAD CASE	Max -ve	0.000	0.913	0.001	0.017
				Max +ve	0.001	-0.438	0.000	-0.019
			3:COMBINATIC	Max -ve	0.000	0.685	0.001	0.365
				Max +ve	0.001	-0.329	0.000	-0.493
120	53	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.433
				Max +ve	0.000	-0.001	0.000	-0.584
			2:LOAD CASE	Max -ve	0.000	0.908	0.000	0.021
				Max +ve	0.001	-0.403	0.001	-0.019

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			3:COMBINATIC	Max -ve	0.000	0.680	0.001	0.310
				Max +ve	0.001	-0.301	0.000	-0.422
121	52	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.470
				Max +ve	0.000	-0.001	0.000	-0.638
			2:LOAD CASE	Max -ve	0.001	0.482	0.001	0.016
				Max +ve	0.000	-0.980	0.000	-0.019
			3:COMBINATIC	Max -ve	0.001	0.362	0.001	0.365
				Max +ve	0.000	-0.736	0.000	-0.493
122	53	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.433
				Max +ve	0.001	-0.001	0.000	-0.584
			2:LOAD CASE	Max -ve	0.001	0.452	0.000	0.021
				Max +ve	0.000	-0.985	0.001	-0.017
			3:COMBINATIC	Max -ve	0.001	0.339	0.001	0.312
				Max +ve	0.000	-0.738	0.000	-0.422
123	58	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.571
				Max +ve	0.001	-0.001	0.001	-0.579
			2:LOAD CASE	Max -ve	0.000	0.424		
				Max +ve	0.001	-0.667	0.000	-0.172
			3:COMBINATIC	Max -ve	0.000	0.319	0.000	0.299
				Max +ve	0.001	-0.501	0.001	-0.438
124	54	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.473
				Max +ve	0.000	-0.001	0.000	-0.580
			2:LOAD CASE	Max -ve	0.000	0.835	0.001	0.151
				Max +ve	0.001	-0.390	0.000	-0.005
			3:COMBINATIC	Max -ve	0.000	0.626	0.001	0.469
				Max +ve	0.001	-0.291	0.000	-0.438
125	56	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.000	0.523
				Max +ve	0.000	-0.001	0.001	-0.529
			2:LOAD CASE	Max -ve	0.001	0.581		
				Max +ve	0.000	-0.380	0.000	-0.172
			3:COMBINATIC	Max -ve	0.001	0.436	0.000	0.263
				Max +ve	0.000	-0.285	0.001	-0.401
126	55	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.435
				Max +ve	0.001	-0.001	0.000	-0.530
			2:LOAD CASE	Max -ve	0.001	0.343	0.001	0.151
				Max +ve	0.000	-0.711	0.000	-0.005
			3:COMBINATIC	Max -ve	0.001	0.256	0.001	0.440
				Max +ve	0.000	-0.532	0.000	-0.401
131	56	0.001	1:LOAD CASE	Max -ve	0.000	0.283	0.001	0.263
				Max +ve	0.001	-0.238	0.000	-0.309
			2:LOAD CASE	Max -ve	0.000	0.005	0.000	0.440
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.216	0.001	0.330
				Max +ve	0.001	-0.177		
132	57	0.001	1:LOAD CASE	Max -ve	0.000	0.258	0.000	0.260
				Max +ve	0.001	-0.221	0.001	-0.219
			2:LOAD CASE	Max -ve			0.000	0.426
				Max +ve	0.000	-0.006		
			3:COMBINATIC	Max -ve	0.000	0.189	0.000	0.514
				Max +ve	0.001	-0.167	0.001	-0.022
133	58	0.001	1:LOAD CASE	Max -ve	0.001	0.238	0.001	0.281
				Max +ve	0.000	-0.282	0.000	-0.333
			2:LOAD CASE	Max -ve			0.000	0.434
				Max +ve	0.000	-0.008		
			3:COMBINATIC	Max -ve	0.001	0.175	0.001	0.342
				Max +ve	0.000	-0.218		

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
134	59	0.001	1:LOAD CASE	Max -ve	0.001	0.221	0.000	0.285
				Max +ve	0.000	-0.258	0.001	-0.240
			2:LOAD CASE	Max -ve	0.000	0.010	0.000	0.421
				Max +ve				
			3:COMBINATIC	Max -ve	0.001	0.168	0.000	0.530
				Max +ve	0.000	-0.186	0.001	-0.040
135	61	0.001	1:LOAD CASE	Max -ve	0.001	0.000	0.001	1.265
				Max +ve	0.000	-0.000	0.000	-0.154
			2:LOAD CASE	Max -ve	0.001	0.691	0.001	0.036
				Max +ve			0.000	-0.006
			3:COMBINATIC	Max -ve	0.001	0.518	0.001	0.975
				Max +ve			0.000	-0.112
136	60	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.000	1.453
				Max +ve	0.001	-0.000	0.001	-0.113
			2:LOAD CASE	Max -ve			0.001	0.006
				Max +ve	0.000	-0.769	0.000	-0.045
			3:COMBINATIC	Max -ve			0.000	1.056
				Max +ve	0.000	-0.577	0.001	-0.086
137	63	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	1.280
				Max +ve	0.001	-0.000	0.000	-0.150
			2:LOAD CASE	Max -ve	0.001	5.077	0.001	0.009
				Max +ve	0.000	-0.929	0.000	-0.000
			3:COMBINATIC	Max -ve	0.001	3.807	0.001	0.967
				Max +ve	0.000	-0.697	0.000	-0.111
138	60	0.001	1:LOAD CASE	Max -ve	0.001	0.000	0.000	1.469
				Max +ve	0.000	-0.001	0.001	-0.110
			2:LOAD CASE	Max -ve	0.000	3.318	0.000	0.010
				Max +ve	0.001	-0.668	0.001	-0.000
			3:COMBINATIC	Max -ve	0.000	2.488	0.000	1.109
				Max +ve	0.001	-0.501	0.001	-0.082
139	61	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.468
				Max +ve	0.001	-0.001	0.000	-0.639
			2:LOAD CASE	Max -ve	0.000	0.498	0.000	0.014
				Max +ve	0.001	-0.227	0.001	-0.006
			3:COMBINATIC	Max -ve	0.000	0.374	0.001	0.346
				Max +ve	0.001	-0.171	0.000	-0.469
140	62	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.429
				Max +ve	0.000	-0.001	0.000	-0.584
			2:LOAD CASE	Max -ve	0.000	0.497	0.001	0.008
				Max +ve	0.001	-0.208	0.000	-0.016
			3:COMBINATIC	Max -ve	0.000	0.372	0.001	0.328
				Max +ve	0.001	-0.156	0.000	-0.450
141	61	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.468
				Max +ve	0.000	-0.001	0.000	-0.639
			2:LOAD CASE	Max -ve	0.001	0.291	0.000	0.014
				Max +ve	0.000	-0.601	0.001	-0.008
			3:COMBINATIC	Max -ve	0.001	0.219	0.001	0.345
				Max +ve	0.000	-0.452	0.000	-0.469
142	62	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.429
				Max +ve	0.001	-0.000	0.000	-0.584
			2:LOAD CASE	Max -ve	0.001	0.275	0.001	0.010
				Max +ve	0.000	-0.609	0.000	-0.016
			3:COMBINATIC	Max -ve	0.001	0.206	0.001	0.329
				Max +ve	0.000	-0.456	0.000	-0.450
143	67	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.567
				Max +ve	0.001	-0.001	0.001	-0.580

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			2:LOAD CASE	Max -ve	0.000	0.265		
				Max +ve	0.001	-0.411	0.000	-0.158
			3:COMBINATIC	Max -ve	0.000	0.200	0.000	0.307
				Max +ve	0.001	-0.309	0.001	-0.438
144	63	0.001	1:LOAD CASE	Max -ve	0.001	0.002	0.001	0.471
				Max +ve	0.000	-0.001	0.000	-0.580
			2:LOAD CASE	Max -ve	0.000	0.518	0.001	0.139
				Max +ve	0.001	-0.246	0.000	-0.005
			3:COMBINATIC	Max -ve	0.000	0.388	0.001	0.457
				Max +ve	0.001	-0.183	0.000	-0.439
145	65	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.000	0.518
				Max +ve	0.000	-0.000	0.001	-0.530
			2:LOAD CASE	Max -ve	0.001	0.302		
				Max +ve	0.000	-0.199	0.000	-0.158
			3:COMBINATIC	Max -ve	0.001	0.227	0.000	0.270
				Max +ve	0.000	-0.150	0.001	-0.401
146	64	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.433
				Max +ve	0.001	-0.001	0.000	-0.530
			2:LOAD CASE	Max -ve	0.001	0.180	0.001	0.140
				Max +ve	0.000	-0.366	0.000	-0.004
			3:COMBINATIC	Max -ve	0.001	0.134	0.001	0.429
				Max +ve	0.000	-0.273	0.000	-0.401
151	65	0.002	1:LOAD CASE	Max -ve	0.000	0.289	0.002	0.260
				Max +ve	0.002	-0.235	0.000	-0.320
			2:LOAD CASE	Max -ve	0.002	0.021	0.000	0.355
				Max +ve	0.000	-0.004		
			3:COMBINATIC	Max -ve	0.000	0.214	0.002	0.286
				Max +ve	0.002	-0.160		
152	66	0.002	1:LOAD CASE	Max -ve	0.000	0.269	0.000	0.266
				Max +ve	0.002	-0.219	0.002	-0.216
			2:LOAD CASE	Max -ve	0.000	0.004	0.000	0.344
				Max +ve	0.002	-0.024		
			3:COMBINATIC	Max -ve	0.000	0.205	0.000	0.457
				Max +ve	0.002	-0.182	0.002	-0.064
153	67	0.002	1:LOAD CASE	Max -ve	0.002	0.235	0.002	0.277
				Max +ve	0.000	-0.289	0.000	-0.341
			2:LOAD CASE	Max -ve	0.000	0.000	0.000	0.347
				Max +ve	0.002	-0.023		
			3:COMBINATIC	Max -ve	0.002	0.159	0.002	0.298
				Max +ve	0.000	-0.217		
154	68	0.002	1:LOAD CASE	Max -ve	0.002	0.218	0.000	0.291
				Max +ve	0.000	-0.269	0.002	-0.236
			2:LOAD CASE	Max -ve	0.002	0.026	0.000	0.338
				Max +ve				
			3:COMBINATIC	Max -ve	0.002	0.183	0.000	0.472
				Max +ve	0.000	-0.201	0.002	-0.082
155	70	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	1.266
				Max +ve	0.001	-0.001	0.000	-0.154
			2:LOAD CASE	Max -ve	0.001	0.615	0.001	0.285
				Max +ve			0.000	-0.003
			3:COMBINATIC	Max -ve	0.001	0.461	0.001	1.163
				Max +ve			0.000	-0.076
156	69	0.001	1:LOAD CASE	Max -ve	0.001	0.000	0.000	1.455
				Max +ve	0.000	-0.001	0.001	-0.112
			2:LOAD CASE	Max -ve			0.001	0.003
				Max +ve	0.000	-0.682	0.000	-0.331

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			3:COMBINATIC	Max -ve			0.000	0.843
				Max +ve	0.000	-0.512	0.001	-0.139
157	72	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	1.282
				Max +ve	0.000	-0.000	0.000	-0.150
			2:LOAD CASE	Max -ve	0.001	4.408	0.001	0.008
				Max +ve	0.000	-0.810	0.000	-0.000
			3:COMBINATIC	Max -ve	0.001	3.307	0.001	0.967
				Max +ve	0.000	-0.607	0.000	-0.111
158	69	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.471
				Max +ve			0.001	-0.110
			2:LOAD CASE	Max -ve	0.000	2.195	0.000	0.008
				Max +ve	0.001	-0.468	0.001	-0.000
			3:COMBINATIC	Max -ve	0.000	1.647	0.000	1.109
				Max +ve	0.001	-0.351	0.001	-0.082
159	70	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.467
				Max +ve	0.001	-0.001	0.000	-0.638
			2:LOAD CASE	Max -ve	0.000	0.362	0.000	0.086
				Max +ve	0.001	-0.159	0.001	-0.057
			3:COMBINATIC	Max -ve	0.000	0.272	0.001	0.308
				Max +ve	0.001	-0.120	0.000	-0.414
160	71	0.001	1:LOAD CASE	Max -ve	0.001	0.000	0.001	0.429
				Max +ve	0.000	-0.001	0.000	-0.584
			2:LOAD CASE	Max -ve	0.000	0.363	0.001	0.067
				Max +ve	0.001	-0.145	0.000	-0.099
			3:COMBINATIC	Max -ve	0.000	0.271	0.001	0.372
				Max +ve	0.001	-0.109	0.000	-0.512
161	70	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.467
				Max +ve	0.000	-0.001	0.000	-0.638
			2:LOAD CASE	Max -ve	0.001	0.250	0.000	0.086
				Max +ve	0.000	-0.512	0.001	-0.059
			3:COMBINATIC	Max -ve	0.001	0.188	0.001	0.306
				Max +ve	0.000	-0.385	0.000	-0.414
162	71	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.429
				Max +ve			0.000	-0.584
			2:LOAD CASE	Max -ve	0.001	0.236	0.001	0.069
				Max +ve	0.000	-0.519	0.000	-0.099
			3:COMBINATIC	Max -ve	0.001	0.177	0.001	0.373
				Max +ve	0.000	-0.389	0.000	-0.512
163	76	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.567
				Max +ve	0.001	-0.001	0.001	-0.579
			2:LOAD CASE	Max -ve	0.000	0.234		
				Max +ve	0.001	-0.358	0.000	-0.142
			3:COMBINATIC	Max -ve	0.000	0.176	0.000	0.318
				Max +ve	0.001	-0.269	0.001	-0.438
164	72	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.470
				Max +ve	0.000	-0.001	0.000	-0.580
			2:LOAD CASE	Max -ve	0.000	0.452	0.001	0.126
				Max +ve	0.001	-0.218	0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	0.338	0.001	0.447
				Max +ve	0.001	-0.162	0.000	-0.438
165	74	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.000	0.518
				Max +ve	0.000	-0.000	0.001	-0.529
			2:LOAD CASE	Max -ve	0.001	0.212		
				Max +ve	0.000	-0.141	0.000	-0.143
			3:COMBINATIC	Max -ve	0.001	0.160	0.000	0.281
				Max +ve	0.000	-0.106	0.001	-0.400

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)	
166	73	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.432	
				Max +ve	0.001	-0.001	0.000	-0.530	
				2:LOAD CASE	Max -ve	0.001	0.127	0.001	0.127
					Max +ve	0.000	-0.255	0.000	-0.004
				3:COMBINATIC	Max -ve	0.001	0.095	0.001	0.420
					Max +ve	0.000	-0.191	0.000	-0.400
171	74	0.002	1:LOAD CASE	Max -ve	0.000	0.292	0.002	0.253	
				Max +ve	0.002	-0.228	0.000	-0.323	
				2:LOAD CASE	Max -ve	0.002	0.049	0.000	0.281
					Max +ve	0.000	-0.033		
				3:COMBINATIC	Max -ve	0.000	0.194	0.002	0.242
					Max +ve	0.002	-0.134	0.000	-0.031
172	75	0.002	1:LOAD CASE	Max -ve	0.000	0.272	0.000	0.269	
				Max +ve	0.002	-0.216	0.002	-0.213	
				2:LOAD CASE	Max -ve	0.000	0.037	0.000	0.269
					Max +ve	0.002	-0.056		
				3:COMBINATIC	Max -ve	0.000	0.232	0.000	0.404
					Max +ve	0.002	-0.204	0.002	-0.102
173	76	0.002	1:LOAD CASE	Max -ve	0.002	0.228	0.002	0.270	
				Max +ve	0.000	-0.292	0.000	-0.344	
				2:LOAD CASE	Max -ve	0.000	0.029	0.000	0.273
					Max +ve	0.002	-0.051		
				3:COMBINATIC	Max -ve	0.002	0.133	0.002	0.254
					Max +ve	0.000	-0.197	0.000	-0.054
174	77	0.002	1:LOAD CASE	Max -ve	0.002	0.216	0.000	0.294	
				Max +ve	0.000	-0.271	0.002	-0.230	
				2:LOAD CASE	Max -ve	0.002	0.059	0.000	0.263
					Max +ve	0.000	-0.033		
				3:COMBINATIC	Max -ve	0.002	0.206	0.000	0.418
					Max +ve	0.000	-0.228	0.002	-0.116
175	79	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	1.265	
				Max +ve	0.001	-0.002	0.000	-0.154	
				2:LOAD CASE	Max -ve	0.001	0.525	0.001	0.654
					Max +ve				
				3:COMBINATIC	Max -ve	0.001	0.392	0.001	1.439
					Max +ve			0.000	-0.037
176	78	0.001	1:LOAD CASE	Max -ve	0.001	0.000	0.000	1.455	
				Max +ve	0.000	-0.002	0.001	-0.112	
				2:LOAD CASE	Max -ve				
					Max +ve	0.000	-0.583	0.000	-0.756
				3:COMBINATIC	Max -ve			0.000	0.524
					Max +ve	0.000	-0.439	0.001	-0.238
177	81	0.001	1:LOAD CASE	Max -ve	0.001	0.002	0.001	1.280	
				Max +ve	0.000	-0.000	0.000	-0.150	
				2:LOAD CASE	Max -ve	0.001	7.048	0.001	0.006
					Max +ve	0.000	-1.425	0.000	-0.000
				3:COMBINATIC	Max -ve	0.001	5.288	0.001	0.965
					Max +ve	0.000	-1.069	0.000	-0.112
178	78	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	1.469	
				Max +ve	0.001	-0.000	0.001	-0.110	
				2:LOAD CASE	Max -ve	0.000	5.047	0.000	0.006
					Max +ve	0.001	-0.966	0.001	-0.000
				3:COMBINATIC	Max -ve	0.000	3.787	0.000	1.107
					Max +ve	0.001	-0.725	0.001	-0.082
179	79	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.470	
				Max +ve	0.001	-0.001	0.000	-0.637	

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			2:LOAD CASE	Max -ve	0.000	0.687	0.000	0.191
				Max +ve	0.001	-0.328	0.001	-0.134
			3:COMBINATIC	Max -ve	0.000	0.516	0.001	0.252
				Max +ve	0.001	-0.246	0.000	-0.334
180	80	0.001	1:LOAD CASE	Max -ve			0.001	0.430
				Max +ve	0.000	-0.000	0.000	-0.583
			2:LOAD CASE	Max -ve	0.000	0.689	0.001	0.155
				Max +ve	0.001	-0.304	0.000	-0.221
			3:COMBINATIC	Max -ve	0.000	0.517	0.001	0.439
				Max +ve	0.001	-0.228	0.000	-0.603
181	79	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.470
				Max +ve	0.000	-0.001	0.000	-0.637
			2:LOAD CASE	Max -ve	0.001	0.450	0.000	0.191
				Max +ve	0.000	-0.894	0.001	-0.136
			3:COMBINATIC	Max -ve	0.001	0.338	0.001	0.250
				Max +ve	0.000	-0.671	0.000	-0.334
182	80	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.430
				Max +ve	0.001	-0.000	0.000	-0.583
			2:LOAD CASE	Max -ve	0.001	0.422	0.001	0.157
				Max +ve	0.000	-0.897	0.000	-0.221
			3:COMBINATIC	Max -ve	0.001	0.317	0.001	0.440
				Max +ve	0.000	-0.673	0.000	-0.603
183	85	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.570
				Max +ve	0.001	-0.001	0.001	-0.578
			2:LOAD CASE	Max -ve	0.000	0.410		
				Max +ve	0.001	-0.633	0.000	-0.127
			3:COMBINATIC	Max -ve	0.000	0.308	0.000	0.332
				Max +ve	0.001	-0.476	0.001	-0.436
184	81	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.473
				Max +ve	0.000	-0.001	0.000	-0.578
			2:LOAD CASE	Max -ve	0.000	0.791	0.001	0.112
				Max +ve	0.001	-0.375	0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	0.593	0.001	0.439
				Max +ve	0.001	-0.281	0.000	-0.437
185	83	0.001	1:LOAD CASE	Max -ve	0.001	0.000	0.000	0.521
				Max +ve	0.000	-0.000	0.001	-0.528
			2:LOAD CASE	Max -ve	0.001	0.435		
				Max +ve	0.000	-0.284	0.000	-0.128
			3:COMBINATIC	Max -ve	0.001	0.326	0.000	0.294
				Max +ve	0.000	-0.213	0.001	-0.399
186	82	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	0.433
				Max +ve	0.001	-0.001	0.000	-0.528
			2:LOAD CASE	Max -ve	0.001	0.255	0.001	0.114
				Max +ve	0.000	-0.532	0.000	-0.004
			3:COMBINATIC	Max -ve	0.001	0.191	0.001	0.410
				Max +ve	0.000	-0.399	0.000	-0.400
187	87	0.002	1:LOAD CASE	Max -ve	0.002	0.346	0.002	0.347
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.448	0.002	4.1E+3
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.460	0.002	3.07E+3
				Max +ve				
188	96	0.002	1:LOAD CASE	Max -ve	0.002	0.298	0.002	0.298
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.266	0.002	4.17E+3
				Max +ve				

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			3:COMBINATIC	Max -ve	0.000	0.317	0.002	3.12E+3
				Max +ve				
189	105	0.002	1:LOAD CASE	Max -ve	0.002	0.191	0.002	0.191
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.110	0.000	4.17E+3
				Max +ve	0.002	-0.002		
			3:COMBINATIC	Max -ve	0.000	0.165	0.000	3.13E+3
				Max +ve				
190	114	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.001	-0.000	0.001	-0.000
			2:LOAD CASE	Max -ve	0.001	0.000	0.000	3.96E+3
				Max +ve	0.000	-0.000		
			3:COMBINATIC	Max -ve	0.001	-0.000	0.000	2.97E+3
				Max +ve	0.000	-0.000		
196	83	0.001	1:LOAD CASE	Max -ve	0.000	0.300	0.001	0.269
				Max +ve	0.001	-0.246	0.000	-0.332
			2:LOAD CASE	Max -ve	0.001	0.103	0.000	0.212
				Max +ve	0.000	-0.077		
			3:COMBINATIC	Max -ve	0.000	0.167	0.001	0.219
				Max +ve	0.001	-0.107	0.000	-0.090
197	84	0.001	1:LOAD CASE	Max -ve	0.000	0.283	0.000	0.280
				Max +ve	0.001	-0.225	0.001	-0.226
			2:LOAD CASE	Max -ve	0.000	0.087	0.000	0.202
				Max +ve	0.001	-0.122		
			3:COMBINATIC	Max -ve	0.000	0.278	0.000	0.361
				Max +ve	0.001	-0.260	0.001	-0.146
198	85	0.001	1:LOAD CASE	Max -ve	0.001	0.245	0.001	0.290
				Max +ve	0.000	-0.299	0.000	-0.354
			2:LOAD CASE	Max -ve	0.000	0.072	0.000	0.203
				Max +ve	0.001	-0.105		
			3:COMBINATIC	Max -ve	0.001	0.105	0.001	0.235
				Max +ve	0.000	-0.171	0.000	-0.113
199	86	0.001	1:LOAD CASE	Max -ve	0.001	0.224	0.000	0.301
				Max +ve	0.000	-0.283	0.001	-0.247
			2:LOAD CASE	Max -ve	0.001	0.122	0.000	0.194
				Max +ve	0.000	-0.083		
			3:COMBINATIC	Max -ve	0.001	0.260	0.000	0.372
				Max +ve	0.000	-0.274	0.001	-0.162
200	88	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	1.265
				Max +ve	0.001	-0.004	0.000	-0.154
			2:LOAD CASE	Max -ve	0.001	0.434	0.001	1.233
				Max +ve				
			3:COMBINATIC	Max -ve	0.001	0.322	0.001	1.873
				Max +ve			0.000	-0.017
201	87	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.000	1.452
				Max +ve	0.000	-0.005	0.001	-0.113
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.482	0.000	-1.423
			3:COMBINATIC	Max -ve			0.000	0.022
				Max +ve	0.000	-0.365	0.000	-0.451
202	90	0.001	1:LOAD CASE	Max -ve	0.001	0.004	0.001	1.280
				Max +ve	0.000	-0.001	0.000	-0.150
			2:LOAD CASE	Max -ve	0.001	13.958	0.001	0.005
				Max +ve	0.000	-2.982	0.000	-0.000
			3:COMBINATIC	Max -ve	0.001	10.472	0.001	0.963
				Max +ve	0.000	-2.237	0.000	-0.112

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
203	87	0.001	1:LOAD CASE	Max -ve	0.000	0.004	0.000	1.468
				Max +ve	0.001	-0.001	0.001	-0.110
			2:LOAD CASE	Max -ve	0.000	13.067	0.000	0.004
				Max +ve	0.001	-2.374	0.001	-0.000
			3:COMBINATIC	Max -ve	0.000	9.804	0.000	1.104
				Max +ve	0.001	-1.781	0.001	-0.082
204	88	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.469
				Max +ve	0.001	-0.000	0.000	-0.637
			2:LOAD CASE	Max -ve	0.000	1.613	0.000	0.358
				Max +ve	0.001	-0.798	0.001	-0.254
			3:COMBINATIC	Max -ve	0.000	1.210	0.001	0.161
				Max +ve	0.001	-0.599	0.000	-0.211
205	89	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	0.431
				Max +ve	0.001	-0.000	0.000	-0.583
			2:LOAD CASE	Max -ve	0.000	1.615	0.001	0.292
				Max +ve	0.001	-0.735	0.000	-0.413
			3:COMBINATIC	Max -ve	0.000	1.211	0.001	0.543
				Max +ve	0.001	-0.551	0.000	-0.747
206	88	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.469
				Max +ve	0.000	-0.002	0.000	-0.637
			2:LOAD CASE	Max -ve	0.001	0.956	0.000	0.358
				Max +ve	0.000	-1.881	0.001	-0.256
			3:COMBINATIC	Max -ve	0.001	0.718	0.001	0.160
				Max +ve	0.000	-1.412	0.000	-0.211
207	89	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	0.432
				Max +ve	0.001	-0.000	0.000	-0.583
			2:LOAD CASE	Max -ve	0.001	0.889	0.001	0.295
				Max +ve	0.000	-1.880	0.000	-0.413
			3:COMBINATIC	Max -ve	0.001	0.667	0.001	0.545
				Max +ve	0.000	-1.409	0.000	-0.747
208	94	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.569
				Max +ve	0.001	-0.001	0.001	-0.578
			2:LOAD CASE	Max -ve	0.000	0.855		
				Max +ve	0.001	-1.329	0.000	-0.110
			3:COMBINATIC	Max -ve	0.000	0.642	0.000	0.345
				Max +ve	0.001	-0.998	0.001	-0.436
209	90	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.472
				Max +ve	0.000	-0.001	0.000	-0.578
			2:LOAD CASE	Max -ve	0.000	1.652	0.001	0.098
				Max +ve	0.001	-0.780	0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	1.239	0.001	0.428
				Max +ve	0.001	-0.584	0.000	-0.437
210	92	0.001	1:LOAD CASE	Max -ve	0.001	0.000	0.000	0.522
				Max +ve	0.000	-0.000	0.001	-0.528
			2:LOAD CASE	Max -ve	0.001	1.063		
				Max +ve	0.000	-0.693	0.000	-0.112
			3:COMBINATIC	Max -ve	0.001	0.797	0.000	0.307
				Max +ve	0.000	-0.520	0.001	-0.398
211	91	0.001	1:LOAD CASE	Max -ve	0.001	0.000	0.001	0.434
				Max +ve	0.000	-0.000	0.000	-0.528
			2:LOAD CASE	Max -ve	0.001	0.633	0.001	0.101
				Max +ve	0.000	-1.311	0.000	-0.004
			3:COMBINATIC	Max -ve	0.001	0.475	0.001	0.401
				Max +ve	0.000	-0.984	0.000	-0.400
216	92	0.002	1:LOAD CASE	Max -ve	0.000	0.283	0.002	0.262
				Max +ve	0.002	-0.236	0.000	-0.309

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			2:LOAD CASE	Max -ve	0.002	0.170	0.000	0.145
				Max +ve	0.000	-0.133	0.002	-0.020
			3:COMBINATIC	Max -ve	0.000	0.113	0.002	0.181
				Max +ve	0.002	-0.050	0.000	-0.123
217	93	0.002	1:LOAD CASE	Max -ve	0.000	0.259	0.000	0.260
				Max +ve	0.002	-0.220	0.002	-0.217
			2:LOAD CASE	Max -ve	0.000	0.156	0.000	0.134
				Max +ve	0.002	-0.197	0.002	-0.004
			3:COMBINATIC	Max -ve	0.000	0.311	0.000	0.296
				Max +ve	0.002	-0.313	0.002	-0.166
218	94	0.002	1:LOAD CASE	Max -ve	0.002	0.236	0.002	0.279
				Max +ve	0.000	-0.282	0.000	-0.334
			2:LOAD CASE	Max -ve	0.000	0.129	0.000	0.137
				Max +ve	0.002	-0.167	0.002	-0.018
			3:COMBINATIC	Max -ve	0.002	0.052	0.002	0.196
				Max +ve	0.000	-0.115	0.000	-0.147
219	95	0.002	1:LOAD CASE	Max -ve	0.002	0.219	0.000	0.285
				Max +ve	0.000	-0.258	0.002	-0.238
			2:LOAD CASE	Max -ve	0.002	0.193	0.000	0.128
				Max +ve	0.000	-0.150	0.002	-0.004
			3:COMBINATIC	Max -ve	0.002	0.309	0.000	0.310
				Max +ve	0.000	-0.306	0.002	-0.181
220	97	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	1.264
				Max +ve	0.001	-0.007	0.000	-0.154
			2:LOAD CASE	Max -ve	0.000	0.341	0.001	2.015
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.257	0.001	2.460
				Max +ve			0.000	-0.011
221	96	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.000	1.453
				Max +ve	0.000	-0.008	0.001	-0.113
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.365	0.000	-2.322
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.279	0.000	-0.845
222	99	0.001	1:LOAD CASE	Max -ve	0.001	0.007	0.001	1.280
				Max +ve	0.000	-0.001	0.000	-0.150
			2:LOAD CASE	Max -ve	0.001	28.558	0.001	0.002
				Max +ve	0.000	-6.241	0.000	-0.000
			3:COMBINATIC	Max -ve	0.001	21.423	0.001	0.961
				Max +ve	0.000	-4.682	0.000	-0.112
223	96	0.001	1:LOAD CASE	Max -ve	0.000	0.007	0.000	1.468
				Max +ve	0.001	-0.001	0.001	-0.110
			2:LOAD CASE	Max -ve	0.000	30.388	0.000	0.001
				Max +ve	0.001	-5.416	0.001	-0.000
			3:COMBINATIC	Max -ve	0.000	22.797	0.000	1.102
				Max +ve	0.001	-4.063	0.001	-0.083
224	97	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	0.468
				Max +ve	0.001	-0.001	0.000	-0.638
			2:LOAD CASE	Max -ve	0.000	3.619	0.000	0.584
				Max +ve	0.001	-1.823	0.001	-0.414
			3:COMBINATIC	Max -ve	0.000	2.714	0.001	0.041
				Max +ve	0.001	-1.367	0.000	-0.109
225	98	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.001	0.429
				Max +ve	0.001	-0.001	0.000	-0.584
			2:LOAD CASE	Max -ve	0.000	3.619	0.001	0.477
				Max +ve	0.001	-1.683	0.000	-0.673

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			3:COMBINATIC	Max -ve	0.000	2.715	0.001	0.680
				Max +ve	0.001	-1.263	0.000	-0.943
226	97	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.468
				Max +ve	0.000	-0.002	0.000	-0.638
			2:LOAD CASE	Max -ve	0.001	2.018	0.000	0.584
				Max +ve	0.000	-3.960	0.001	-0.417
			3:COMBINATIC	Max -ve	0.001	1.515	0.001	0.038
				Max +ve	0.000	-2.971	0.000	-0.110
227	98	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.429
				Max +ve			0.000	-0.584
			2:LOAD CASE	Max -ve	0.001	1.878	0.001	0.481
				Max +ve	0.000	-3.951	0.000	-0.673
			3:COMBINATIC	Max -ve	0.001	1.409	0.001	0.683
				Max +ve	0.000	-2.963	0.000	-0.943
228	103	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.567
				Max +ve	0.001	-0.002	0.001	-0.580
			2:LOAD CASE	Max -ve	0.000	1.782		
				Max +ve	0.001	-2.786	0.000	-0.089
			3:COMBINATIC	Max -ve	0.000	1.337	0.000	0.359
				Max +ve	0.001	-2.091	0.001	-0.436
229	99	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.471
				Max +ve	0.000	-0.000	0.000	-0.580
			2:LOAD CASE	Max -ve	0.000	3.455	0.001	0.081
				Max +ve	0.001	-1.614	0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	2.591	0.001	0.414
				Max +ve	0.001	-1.210	0.000	-0.438
230	101	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.000	0.518
				Max +ve			0.001	-0.530
			2:LOAD CASE	Max -ve	0.001	2.421		
				Max +ve	0.000	-1.570	0.000	-0.091
			3:COMBINATIC	Max -ve	0.001	1.816	0.000	0.321
				Max +ve	0.000	-1.178	0.001	-0.398
231	100	0.001	1:LOAD CASE	Max -ve	0.001	0.000	0.001	0.433
				Max +ve	0.000	-0.001	0.000	-0.530
			2:LOAD CASE	Max -ve	0.001	1.433	0.001	0.084
				Max +ve	0.000	-2.995	0.000	-0.004
			3:COMBINATIC	Max -ve	0.001	1.075	0.001	0.388
				Max +ve	0.000	-2.247	0.000	-0.401
236	101	0.002	1:LOAD CASE	Max -ve	0.000	0.291	0.002	0.258
				Max +ve	0.002	-0.232	0.000	-0.322
			2:LOAD CASE	Max -ve	0.002	0.232	0.000	0.080
				Max +ve	0.000	-0.221	0.002	-0.059
			3:COMBINATIC	Max -ve	0.000	0.052	0.002	0.149
				Max +ve	0.002	-0.000	0.000	-0.182
237	102	0.002	1:LOAD CASE	Max -ve	0.000	0.271	0.000	0.268
				Max +ve	0.002	-0.216	0.002	-0.214
			2:LOAD CASE	Max -ve	0.000	0.255	0.000	0.059
				Max +ve	0.002	-0.270	0.002	-0.038
			3:COMBINATIC	Max -ve	0.000	0.395	0.000	0.245
				Max +ve	0.002	-0.365	0.002	-0.189
238	103	0.002	1:LOAD CASE	Max -ve	0.002	0.232	0.002	0.274
				Max +ve	0.000	-0.291	0.000	-0.343
			2:LOAD CASE	Max -ve	0.000	0.212	0.000	0.073
				Max +ve	0.002	-0.224	0.002	-0.055
			3:COMBINATIC	Max -ve	0.002	0.006	0.002	0.165
				Max +ve	0.000	-0.059	0.000	-0.203

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg'm)	d (km)	Max Mz (kg'm)
239	104	0.002	1:LOAD CASE	Max -ve	0.002	0.216	0.000	0.293
				Max +ve	0.000	-0.270	0.002	-0.234
			2:LOAD CASE	Max -ve	0.002	0.260	0.000	0.055
				Max +ve	0.000	-0.245	0.002	-0.035
			3:COMBINATIC	Max -ve	0.002	0.357	0.000	0.261
				Max +ve	0.000	-0.387	0.002	-0.202
240	106	0.001	1:LOAD CASE	Max -ve	0.000	0.003	0.001	1.261
				Max +ve	0.001	-0.010	0.000	-0.155
			2:LOAD CASE	Max -ve	0.000	0.419	0.001	2.877
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.317	0.001	3.103
				Max +ve			0.000	-0.003
241	105	0.001	1:LOAD CASE	Max -ve	0.001	0.002	0.000	1.448
				Max +ve	0.000	-0.012	0.001	-0.113
			2:LOAD CASE	Max -ve				
				Max +ve	0.001	-0.406	0.000	-3.314
			3:COMBINATIC	Max -ve				
				Max +ve	0.001	-0.303	0.000	-1.423
242	108	0.001	1:LOAD CASE	Max -ve	0.001	0.010	0.001	1.276
				Max +ve	0.000	-0.002	0.000	-0.151
			2:LOAD CASE	Max -ve	0.001	51.698		
				Max +ve	0.000	-11.393	0.001	-0.001
			3:COMBINATIC	Max -ve	0.001	38.781	0.001	0.956
				Max +ve	0.000	-8.546	0.000	-0.114
243	105	0.001	1:LOAD CASE	Max -ve	0.000	0.011	0.000	1.464
				Max +ve	0.001	-0.002	0.001	-0.111
			2:LOAD CASE	Max -ve	0.000	58.120		
				Max +ve	0.001	-10.291	0.000	-0.003
			3:COMBINATIC	Max -ve	0.000	43.598	0.000	1.095
				Max +ve	0.001	-7.720	0.001	-0.084
244	106	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	0.470
				Max +ve	0.001	-0.001	0.000	-0.639
			2:LOAD CASE	Max -ve	0.000	6.833	0.000	0.830
				Max +ve	0.001	-3.461	0.001	-0.594
			3:COMBINATIC	Max -ve	0.000	5.125	0.000	0.143
				Max +ve	0.001	-2.596	0.001	-0.113
245	107	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.001	0.431
				Max +ve	0.001	-0.001	0.000	-0.585
			2:LOAD CASE	Max -ve	0.000	6.828	0.001	0.684
				Max +ve	0.001	-3.198	0.000	-0.956
			3:COMBINATIC	Max -ve	0.000	5.123	0.001	0.836
				Max +ve	0.001	-2.399	0.000	-1.155
246	106	0.001	1:LOAD CASE	Max -ve	0.001	0.002	0.001	0.470
				Max +ve	0.000	-0.003	0.000	-0.639
			2:LOAD CASE	Max -ve	0.001	3.698	0.000	0.830
				Max +ve	0.000	-7.252	0.001	-0.598
			3:COMBINATIC	Max -ve	0.001	2.775	0.000	0.143
				Max +ve	0.000	-5.441	0.001	-0.115
247	107	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.431
				Max +ve	0.000	-0.000	0.000	-0.585
			2:LOAD CASE	Max -ve	0.001	3.440	0.001	0.689
				Max +ve	0.000	-7.234	0.000	-0.956
			3:COMBINATIC	Max -ve	0.001	2.580	0.001	0.840
				Max +ve	0.000	-5.425	0.000	-1.155
248	112	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	0.570
				Max +ve	0.001	-0.002	0.001	-0.580

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			2:LOAD CASE	Max -ve	0.000	3.246	0.001	0.001
				Max +ve	0.001	-5.089	0.000	-0.059
			3:COMBINATIC	Max -ve	0.000	2.436	0.000	0.383
				Max +ve	0.001	-3.818	0.001	-0.434
249	108	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.473
				Max +ve	0.000	-0.000	0.000	-0.580
			2:LOAD CASE	Max -ve	0.000	6.304	0.001	0.057
				Max +ve	0.001	-2.936	0.000	-0.003
			3:COMBINATIC	Max -ve	0.000	4.728	0.001	0.397
				Max +ve	0.001	-2.202	0.000	-0.438
250	110	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.000	0.521
				Max +ve	0.001	-0.000	0.001	-0.530
			2:LOAD CASE	Max -ve	0.001	4.597	0.001	0.000
				Max +ve	0.000	-2.981	0.000	-0.060
			3:COMBINATIC	Max -ve	0.001	3.448	0.000	0.346
				Max +ve	0.000	-2.235	0.001	-0.398
251	109	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.435
				Max +ve	0.000	-0.002	0.000	-0.530
			2:LOAD CASE	Max -ve	0.001	2.720	0.001	0.059
				Max +ve	0.000	-5.694	0.000	-0.004
			3:COMBINATIC	Max -ve	0.001	2.040	0.001	0.371
				Max +ve	0.000	-4.272	0.000	-0.401
256	110	0.002	1:LOAD CASE	Max -ve	0.000	0.297	0.002	0.467
				Max +ve	0.002	-0.427	0.000	-0.330
			2:LOAD CASE	Max -ve	0.002	0.796	0.002	0.067
				Max +ve	0.000	-0.331		
			3:COMBINATIC	Max -ve	0.002	0.277	0.002	0.401
				Max +ve	0.000	-0.025	0.000	-0.240
257	111	0.002	1:LOAD CASE	Max -ve	0.000	0.277	0.000	0.274
				Max +ve	0.002	-0.400	0.002	-0.399
			2:LOAD CASE	Max -ve	0.000	0.381	0.002	0.123
				Max +ve	0.002	-0.874	0.000	-0.022
			3:COMBINATIC	Max -ve	0.000	0.494	0.000	0.189
				Max +ve	0.002	-0.956	0.002	-0.207
258	112	0.002	1:LOAD CASE	Max -ve	0.002	0.427	0.002	0.502
				Max +ve	0.000	-0.297	0.000	-0.351
			2:LOAD CASE	Max -ve	0.000	0.317	0.002	0.064
				Max +ve	0.002	-0.778		
			3:COMBINATIC	Max -ve	0.000	0.015	0.002	0.425
				Max +ve	0.002	-0.263	0.000	-0.259
259	113	0.002	1:LOAD CASE	Max -ve	0.002	0.400	0.000	0.300
				Max +ve	0.000	-0.277	0.002	-0.433
			2:LOAD CASE	Max -ve	0.002	0.880	0.002	0.118
				Max +ve	0.000	-0.366	0.000	-0.023
			3:COMBINATIC	Max -ve	0.002	0.959	0.000	0.207
				Max +ve	0.000	-0.482	0.002	-0.236
260	115	0.001	1:LOAD CASE	Max -ve	0.000	0.003	0.001	1.307
				Max +ve	0.001	-0.014	0.000	-0.148
			2:LOAD CASE	Max -ve	0.000	0.499	0.001	3.624
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.377	0.001	3.698
				Max +ve				
261	114	0.001	1:LOAD CASE	Max -ve	0.001	0.003	0.000	1.498
				Max +ve	0.000	-0.016	0.001	-0.109
			2:LOAD CASE	Max -ve				
				Max +ve	0.001	-0.479	0.000	-4.161

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			3:COMBINATIC	Max -ve				
				Max +ve	0.001	-0.357	0.000	-1.997
262	117	0.001	1:LOAD CASE	Max -ve	0.001	0.014	0.001	1.334
				Max +ve	0.000	-0.003	0.000	-0.140
			2:LOAD CASE	Max -ve	0.001	84.009		
				Max +ve	0.000	-18.588	0.001	-0.004
			3:COMBINATIC	Max -ve	0.001	63.017	0.001	0.997
				Max +ve	0.000	-13.943	0.000	-0.106
263	114	0.001	1:LOAD CASE	Max -ve	0.000	0.016	0.000	1.525
				Max +ve	0.001	-0.003	0.001	-0.104
			2:LOAD CASE	Max -ve	0.000	97.080		
				Max +ve	0.001	-17.152	0.000	-0.007
			3:COMBINATIC	Max -ve	0.000	72.822	0.000	1.139
				Max +ve	0.001	-12.866	0.001	-0.080
264	115	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.001	0.420
				Max +ve	0.001	-0.000	0.000	-0.663
			2:LOAD CASE	Max -ve	0.000	11.341	0.000	1.141
				Max +ve	0.001	-5.632	0.001	-0.649
			3:COMBINATIC	Max -ve	0.000	8.505	0.000	0.358
				Max +ve	0.001	-4.224	0.001	-0.172
265	116	0.001	1:LOAD CASE	Max -ve	0.000	0.003	0.001	0.383
				Max +ve	0.001	-0.002	0.000	-0.606
			2:LOAD CASE	Max -ve	0.000	11.330	0.001	0.756
				Max +ve	0.001	-5.209	0.000	-1.305
			3:COMBINATIC	Max -ve	0.000	8.500	0.001	0.854
				Max +ve	0.001	-3.909	0.000	-1.433
266	115	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.420
				Max +ve	0.000	-0.004	0.000	-0.663
			2:LOAD CASE	Max -ve	0.001	5.910	0.000	1.141
				Max +ve	0.000	-11.840	0.001	-0.657
			3:COMBINATIC	Max -ve	0.001	4.434	0.000	0.358
				Max +ve	0.000	-8.883	0.001	-0.178
267	116	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.383
				Max +ve	0.000	-0.000	0.000	-0.606
			2:LOAD CASE	Max -ve	0.001	5.480	0.001	0.755
				Max +ve	0.000	-11.809	0.000	-1.305
			3:COMBINATIC	Max -ve	0.001	4.111	0.001	0.853
				Max +ve	0.000	-8.857	0.000	-1.433
268	121	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	0.499
				Max +ve	0.001	-0.003	0.001	-0.607
			2:LOAD CASE	Max -ve	0.000	5.446	0.001	0.002
				Max +ve	0.001	-8.305	0.000	-0.084
			3:COMBINATIC	Max -ve	0.000	4.086	0.000	0.311
				Max +ve	0.001	-6.231	0.001	-0.453
269	117	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.427
				Max +ve	0.000	-0.000	0.000	-0.607
			2:LOAD CASE	Max -ve	0.000	10.284	0.001	0.087
				Max +ve	0.001	-4.917	0.000	-0.003
			3:COMBINATIC	Max -ve	0.000	7.713	0.001	0.385
				Max +ve	0.001	-3.687	0.000	-0.457
270	119	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.454
				Max +ve	0.001	-0.000	0.001	-0.553
			2:LOAD CASE	Max -ve	0.001	7.663	0.001	0.002
				Max +ve	0.000	-5.125	0.000	-0.088
			3:COMBINATIC	Max -ve	0.001	5.747	0.000	0.274
				Max +ve	0.000	-3.843	0.001	-0.414

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)		
271	118	0.001	1:LOAD CASE	Max -ve	0.001	0.001	0.001	0.390		
				Max +ve	0.000	-0.003	0.000	-0.553		
					2:LOAD CASE	Max -ve	0.001	4.644	0.001	0.092
						Max +ve	0.000	-9.490	0.000	-0.004
					3:COMBINATIC	Max -ve	0.001	3.483	0.001	0.362
						Max +ve	0.000	-7.120	0.000	-0.418
272	11	0.002	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.051		
				Max +ve	0.002	-0.004	0.001	-0.375		
				2:LOAD CASE	Max -ve	0.002	0.029	0.002	0.029	
					Max +ve	0.000	-0.011	0.000	-0.015	
				3:COMBINATIC	Max -ve	0.002	0.019	0.002	0.047	
					Max +ve	0.000	-0.007	0.001	-0.276	
273	12	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.051		
				Max +ve	0.000	-0.001	0.001	-0.376		
				2:LOAD CASE	Max -ve	0.002	0.027	0.000	0.015	
					Max +ve	0.000	-0.012	0.002	-0.029	
				3:COMBINATIC	Max -ve	0.002	0.023	0.000	0.049	
					Max +ve	0.000	-0.010	0.001	-0.287	
274	13	0.002	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.051		
				Max +ve	0.002	-0.005	0.001	-0.376		
				2:LOAD CASE	Max -ve	0.002	0.019	0.002	0.016	
					Max +ve			0.000	-0.023	
				3:COMBINATIC	Max -ve	0.002	0.010	0.002	0.037	
					Max +ve			0.001	-0.284	
275	11	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.051		
				Max +ve	0.000	-0.001	0.001	-0.376		
				2:LOAD CASE	Max -ve			0.002	0.016	
					Max +ve	0.002	-0.019	0.000	-0.023	
				3:COMBINATIC	Max -ve			0.002	0.037	
					Max +ve	0.000	-0.010	0.001	-0.284	
276	13	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.051		
				Max +ve	0.000	-0.001	0.001	-0.376		
				2:LOAD CASE	Max -ve	0.000	0.011	0.002	0.029	
					Max +ve	0.002	-0.029	0.000	-0.015	
				3:COMBINATIC	Max -ve	0.000	0.008	0.002	0.047	
					Max +ve	0.002	-0.019	0.001	-0.276	
277	14	0.002	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.051		
				Max +ve	0.002	-0.004	0.001	-0.376		
				2:LOAD CASE	Max -ve	0.000	0.012	0.000	0.015	
					Max +ve	0.002	-0.027	0.002	-0.029	
				3:COMBINATIC	Max -ve	0.000	0.010	0.000	0.049	
					Max +ve	0.002	-0.023	0.001	-0.287	
278	14	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.051		
				Max +ve	0.000	-0.001	0.001	-0.375		
				2:LOAD CASE	Max -ve	0.002	0.021	0.000	0.023	
					Max +ve			0.002	-0.016	
				3:COMBINATIC	Max -ve	0.002	0.019	0.000	0.056	
					Max +ve			0.001	-0.279	
279	12	0.002	1:LOAD CASE	Max -ve	0.000	0.001	0.000	0.051		
				Max +ve	0.002	-0.004	0.001	-0.375		
				2:LOAD CASE	Max -ve			0.000	0.023	
					Max +ve	0.002	-0.021	0.002	-0.017	
				3:COMBINATIC	Max -ve			0.000	0.056	
					Max +ve	0.002	-0.019	0.001	-0.279	
280	29	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044		
				Max +ve	0.000	-0.006	0.001	-0.391		

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			2:LOAD CASE	Max -ve	0.002	0.029		
				Max +ve	0.000	-0.042	0.000	-0.031
			3:COMBINATIC	Max -ve	0.002	0.025	0.002	0.021
				Max +ve	0.000	-0.036	0.001	-0.307
281	20	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.045
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.038	0.002	0.025
				Max +ve	0.000	-0.033		
			3:COMBINATIC	Max -ve	0.002	0.025	0.002	0.045
				Max +ve	0.000	-0.020	0.001	-0.279
282	32	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.045
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.000	0.038	0.002	0.012
				Max +ve			0.000	-0.019
			3:COMBINATIC	Max -ve	0.000	0.033	0.002	0.037
				Max +ve			0.001	-0.295
283	30	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045
				Max +ve	0.000	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve			0.002	0.013
				Max +ve	0.000	-0.039	0.000	-0.019
			3:COMBINATIC	Max -ve			0.002	0.037
				Max +ve	0.000	-0.033	0.001	-0.295
284	23	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.045
				Max +ve	0.002	-0.005	0.001	-0.391
			2:LOAD CASE	Max -ve	0.000	0.036		
				Max +ve	0.002	-0.034	0.002	-0.024
			3:COMBINATIC	Max -ve	0.000	0.031	0.000	0.026
				Max +ve	0.002	-0.029	0.001	-0.306
285	22	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.006	0.001	-0.391
			2:LOAD CASE	Max -ve	0.000	0.033	0.002	0.025
				Max +ve	0.002	-0.038		
			3:COMBINATIC	Max -ve	0.000	0.021	0.002	0.045
				Max +ve	0.002	-0.025	0.001	-0.280
286	20	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045
				Max +ve	0.000	-0.006	0.001	-0.390
			2:LOAD CASE	Max -ve			0.002	0.016
				Max +ve	0.002	-0.027	0.000	-0.016
			3:COMBINATIC	Max -ve			0.002	0.038
				Max +ve	0.000	-0.017	0.001	-0.293
287	22	0.002	1:LOAD CASE	Max -ve	0.000	0.007	0.000	0.045
				Max +ve	0.002	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.027	0.002	0.016
				Max +ve			0.000	-0.016
			3:COMBINATIC	Max -ve	0.000	0.017	0.002	0.038
				Max +ve			0.001	-0.293
288	38	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.006	0.001	-0.391
			2:LOAD CASE	Max -ve	0.002	0.041		
				Max +ve	0.000	-0.043	0.000	-0.027
			3:COMBINATIC	Max -ve	0.002	0.034	0.002	0.023
				Max +ve	0.000	-0.036	0.001	-0.305
289	29	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.044
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.039	0.002	0.022
				Max +ve	0.000	-0.046		

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			3:COMBINATIC	Max -ve	0.002	0.026	0.002	0.043
				Max +ve	0.000	-0.030	0.001	-0.282
290	41	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.045
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.000	0.038	0.002	0.010
				Max +ve			0.000	-0.016
			3:COMBINATIC	Max -ve	0.000	0.033	0.002	0.035
				Max +ve			0.001	-0.294
291	39	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045
				Max +ve	0.000	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve			0.002	0.010
				Max +ve	0.000	-0.039	0.000	-0.016
			3:COMBINATIC	Max -ve			0.002	0.035
				Max +ve	0.000	-0.033	0.001	-0.294
292	32	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.045
				Max +ve	0.002	-0.005	0.001	-0.391
			2:LOAD CASE	Max -ve	0.000	0.052		
				Max +ve	0.002	-0.036	0.002	-0.021
			3:COMBINATIC	Max -ve	0.000	0.043	0.000	0.028
				Max +ve	0.002	-0.030	0.001	-0.304
293	31	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.006	0.001	-0.391
			2:LOAD CASE	Max -ve	0.000	0.047	0.002	0.022
				Max +ve	0.002	-0.039		
			3:COMBINATIC	Max -ve	0.000	0.031	0.002	0.043
				Max +ve	0.002	-0.026	0.001	-0.282
294	29	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045
				Max +ve	0.000	-0.006	0.001	-0.390
			2:LOAD CASE	Max -ve			0.002	0.013
				Max +ve	0.000	-0.032	0.000	-0.013
			3:COMBINATIC	Max -ve			0.002	0.036
				Max +ve	0.000	-0.029	0.001	-0.293
295	31	0.002	1:LOAD CASE	Max -ve	0.000	0.007	0.000	0.045
				Max +ve	0.002	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve	0.000	0.031	0.002	0.013
				Max +ve			0.000	-0.013
			3:COMBINATIC	Max -ve	0.000	0.028	0.002	0.036
				Max +ve			0.001	-0.293
296	47	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.039		
				Max +ve	0.000	-0.034	0.000	-0.023
			3:COMBINATIC	Max -ve	0.002	0.032	0.002	0.024
				Max +ve	0.000	-0.029	0.001	-0.303
297	38	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.044
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.030	0.002	0.019
				Max +ve	0.000	-0.043		
			3:COMBINATIC	Max -ve	0.002	0.020	0.002	0.041
				Max +ve	0.000	-0.028	0.001	-0.283
298	50	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.045
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.031	0.002	0.009
				Max +ve			0.000	-0.013
			3:COMBINATIC	Max -ve	0.000	0.025	0.002	0.034
				Max +ve			0.001	-0.294

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)	
299	48	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045	
				Max +ve	0.000	-0.005	0.001	-0.390	
			2:LOAD CASE	Max -ve			0.002		0.010
				Max +ve	0.000	-0.030	0.000		-0.013
			3:COMBINATIC	Max -ve			0.002		0.034
				Max +ve	0.000	-0.026	0.001		-0.294
300	41	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.045	
				Max +ve	0.002	-0.004	0.001	-0.391	
			2:LOAD CASE	Max -ve	0.000	0.050			
				Max +ve	0.002	-0.029	0.002		-0.019
			3:COMBINATIC	Max -ve	0.000	0.041	0.000		0.030
				Max +ve	0.002	-0.025	0.001		-0.302
301	40	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044	
				Max +ve	0.000	-0.006	0.001	-0.391	
			2:LOAD CASE	Max -ve	0.000	0.046	0.002		0.019
				Max +ve	0.002	-0.031			
			3:COMBINATIC	Max -ve	0.000	0.030	0.002		0.041
				Max +ve	0.002	-0.020	0.001		-0.284
302	38	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045	
				Max +ve	0.000	-0.006	0.001	-0.390	
			2:LOAD CASE	Max -ve			0.002		0.010
				Max +ve	0.000	-0.033	0.000		-0.012
			3:COMBINATIC	Max -ve			0.002		0.034
				Max +ve	0.000	-0.030	0.001		-0.293
303	40	0.002	1:LOAD CASE	Max -ve	0.000	0.007	0.000	0.045	
				Max +ve	0.002	-0.005	0.001	-0.390	
			2:LOAD CASE	Max -ve	0.000	0.031	0.002		0.010
				Max +ve			0.000		-0.012
			3:COMBINATIC	Max -ve	0.000	0.029	0.002		0.034
				Max +ve			0.001		-0.293
304	47	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.043	
				Max +ve	0.002	-0.004	0.001	-0.379	
			2:LOAD CASE	Max -ve	0.002	0.022	0.002		0.017
				Max +ve	0.000	-0.035			
			3:COMBINATIC	Max -ve	0.002	0.014	0.002		0.039
				Max +ve	0.000	-0.022	0.001		-0.277
305	48	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044	
				Max +ve	0.000	-0.005	0.001	-0.379	
			2:LOAD CASE	Max -ve	0.002	0.020			
				Max +ve	0.000	-0.039	0.002		-0.017
			3:COMBINATIC	Max -ve	0.002	0.018	0.000		0.031
				Max +ve	0.000	-0.033	0.001		-0.291
306	49	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.044	
				Max +ve	0.002	-0.005	0.001	-0.379	
			2:LOAD CASE	Max -ve	0.000	0.026	0.002		0.009
				Max +ve			0.000		-0.010
			3:COMBINATIC	Max -ve	0.000	0.024	0.002		0.032
				Max +ve			0.001		-0.285
307	47	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.044	
				Max +ve	0.000	-0.006	0.001	-0.379	
			2:LOAD CASE	Max -ve			0.002		0.009
				Max +ve	0.000	-0.029	0.000		-0.010
			3:COMBINATIC	Max -ve			0.002		0.032
				Max +ve	0.000	-0.026	0.001		-0.285
308	49	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.042	
				Max +ve	0.000	-0.005	0.001	-0.380	

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			2:LOAD CASE	Max -ve	0.000	0.038	0.002	0.017
				Max +ve	0.002	-0.024		
			3:COMBINATIC	Max -ve	0.000	0.025	0.002	0.038
				Max +ve	0.002	-0.015	0.001	-0.277
309	50	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.044
				Max +ve	0.002	-0.004	0.001	-0.380
			2:LOAD CASE	Max -ve	0.000	0.042		
				Max +ve	0.002	-0.022	0.002	-0.017
			3:COMBINATIC	Max -ve	0.000	0.035	0.000	0.031
				Max +ve	0.002	-0.019	0.001	-0.292
310	50	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.005	0.001	-0.378
			2:LOAD CASE	Max -ve	0.000	0.030	0.000	0.010
				Max +ve			0.002	-0.009
			3:COMBINATIC	Max -ve	0.000	0.018	0.000	0.041
				Max +ve			0.001	-0.283
311	48	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.044
				Max +ve	0.002	-0.004	0.001	-0.378
			2:LOAD CASE	Max -ve			0.000	0.010
				Max +ve	0.000	-0.034	0.002	-0.009
			3:COMBINATIC	Max -ve			0.000	0.041
				Max +ve	0.000	-0.021	0.001	-0.283
312	65	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.006	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.019		
				Max +ve	0.000	-0.012	0.000	-0.017
			3:COMBINATIC	Max -ve	0.002	0.018	0.002	0.026
				Max +ve	0.000	-0.013	0.001	-0.300
313	56	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.045
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.011	0.002	0.014
				Max +ve	0.000	-0.021		
			3:COMBINATIC	Max -ve	0.002	0.005	0.002	0.037
				Max +ve	0.000	-0.012	0.001	-0.286
314	68	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.045
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.017	0.002	0.007
				Max +ve			0.000	-0.009
			3:COMBINATIC	Max -ve	0.000	0.011	0.002	0.032
				Max +ve			0.001	-0.293
315	66	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.045
				Max +ve	0.000	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve			0.002	0.007
				Max +ve	0.002	-0.013	0.000	-0.009
			3:COMBINATIC	Max -ve			0.002	0.032
				Max +ve	0.000	-0.013	0.001	-0.293
316	59	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.045
				Max +ve	0.002	-0.005	0.001	-0.391
			2:LOAD CASE	Max -ve	0.000	0.028		
				Max +ve	0.002	-0.013	0.002	-0.014
			3:COMBINATIC	Max -ve	0.000	0.025	0.000	0.032
				Max +ve	0.002	-0.013	0.001	-0.299
317	58	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.005	0.001	-0.391
			2:LOAD CASE	Max -ve	0.000	0.026	0.002	0.014
				Max +ve	0.002	-0.014		

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			3:COMBINATIC	Max -ve	0.000	0.015	0.002	0.037
				Max +ve	0.002	-0.007	0.001	-0.287
318	56	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045
				Max +ve	0.000	-0.006	0.001	-0.390
			2:LOAD CASE	Max -ve			0.002	0.007
				Max +ve	0.000	-0.018	0.000	-0.008
			3:COMBINATIC	Max -ve			0.002	0.032
				Max +ve	0.000	-0.018	0.001	-0.293
319	58	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.045
				Max +ve	0.002	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve	0.000	0.014	0.002	0.007
				Max +ve			0.000	-0.009
			3:COMBINATIC	Max -ve	0.000	0.015	0.002	0.032
				Max +ve			0.001	-0.293
320	74	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.006	0.001	-0.393
			2:LOAD CASE	Max -ve	0.002	0.010		
				Max +ve	0.000	-0.008	0.000	-0.014
			3:COMBINATIC	Max -ve	0.002	0.011	0.002	0.027
				Max +ve	0.000	-0.010	0.001	-0.300
321	65	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.044
				Max +ve	0.002	-0.004	0.001	-0.393
			2:LOAD CASE	Max -ve	0.002	0.007	0.002	0.012
				Max +ve	0.000	-0.011		
			3:COMBINATIC	Max -ve	0.002	0.002	0.002	0.036
				Max +ve	0.000	-0.004	0.001	-0.290
322	77	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.046
				Max +ve	0.002	-0.004	0.001	-0.392
			2:LOAD CASE	Max -ve	0.002	0.010	0.002	0.005
				Max +ve			0.000	-0.008
			3:COMBINATIC	Max -ve	0.000	0.009	0.002	0.031
				Max +ve			0.001	-0.295
323	75	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.046
				Max +ve	0.000	-0.005	0.001	-0.392
			2:LOAD CASE	Max -ve			0.002	0.005
				Max +ve	0.000	-0.012	0.000	-0.008
			3:COMBINATIC	Max -ve			0.002	0.031
				Max +ve	0.000	-0.013	0.001	-0.295
324	68	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.045
				Max +ve	0.002	-0.005	0.001	-0.393
			2:LOAD CASE	Max -ve	0.000	0.018		
				Max +ve	0.002	-0.010	0.002	-0.011
			3:COMBINATIC	Max -ve	0.000	0.018	0.000	0.033
				Max +ve	0.002	-0.011	0.001	-0.299
325	67	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.006	0.001	-0.393
			2:LOAD CASE	Max -ve	0.000	0.017	0.002	0.011
				Max +ve	0.002	-0.011		
			3:COMBINATIC	Max -ve	0.000	0.008	0.002	0.035
				Max +ve	0.002	-0.005	0.001	-0.290
326	65	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045
				Max +ve	0.000	-0.006	0.001	-0.392
			2:LOAD CASE	Max -ve			0.002	0.006
				Max +ve	0.000	-0.011	0.000	-0.006
			3:COMBINATIC	Max -ve	0.002	0.001	0.002	0.031
				Max +ve	0.000	-0.013	0.001	-0.294

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
327	67	0.002	1:LOAD CASE	Max -ve	0.000	0.007	0.000	0.045
				Max +ve	0.002	-0.005	0.001	-0.392
			2:LOAD CASE	Max -ve	0.002	0.008	0.002	0.006
				Max +ve			0.000	-0.006
			3:COMBINATIC	Max -ve	0.000	0.008	0.002	0.031
				Max +ve			0.001	-0.294
328	83	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.008	0.002	0.001
				Max +ve	0.000	-0.015	0.000	-0.011
			3:COMBINATIC	Max -ve	0.002	0.009	0.002	0.027
				Max +ve	0.000	-0.016	0.001	-0.297
329	74	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.044
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.014	0.002	0.009
				Max +ve	0.000	-0.009	0.000	-0.000
			3:COMBINATIC	Max -ve	0.002	0.007	0.002	0.034
				Max +ve	0.000	-0.002	0.001	-0.289
330	86	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.045
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.000	0.017	0.002	0.003
				Max +ve			0.000	-0.007
			3:COMBINATIC	Max -ve	0.000	0.017	0.002	0.029
				Max +ve			0.001	-0.294
331	84	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045
				Max +ve	0.000	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve			0.002	0.003
				Max +ve	0.000	-0.023	0.000	-0.007
			3:COMBINATIC	Max -ve	0.002	0.002	0.002	0.029
				Max +ve	0.000	-0.021	0.001	-0.294
332	77	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.045
				Max +ve	0.002	-0.004	0.001	-0.391
			2:LOAD CASE	Max -ve	0.000	0.018	0.000	0.001
				Max +ve	0.002	-0.017	0.002	-0.009
			3:COMBINATIC	Max -ve	0.000	0.017	0.000	0.034
				Max +ve	0.002	-0.016	0.001	-0.296
333	76	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.006	0.001	-0.391
			2:LOAD CASE	Max -ve	0.000	0.016	0.002	0.009
				Max +ve	0.002	-0.019	0.000	-0.001
			3:COMBINATIC	Max -ve	0.000	0.008	0.002	0.034
				Max +ve	0.002	-0.011	0.001	-0.290
334	74	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045
				Max +ve	0.000	-0.006	0.001	-0.390
			2:LOAD CASE	Max -ve			0.002	0.006
				Max +ve	0.002	-0.012	0.000	-0.004
			3:COMBINATIC	Max -ve			0.000	0.031
				Max +ve	0.000	-0.012	0.001	-0.292
335	76	0.002	1:LOAD CASE	Max -ve	0.000	0.007	0.000	0.045
				Max +ve	0.002	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.017	0.002	0.006
				Max +ve			0.000	-0.004
			3:COMBINATIC	Max -ve	0.002	0.009	0.002	0.031
				Max +ve			0.001	-0.292
336	83	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.043
				Max +ve	0.002	-0.004	0.001	-0.380

Beam Maximum Moments Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			2:LOAD CASE	Max -ve	0.002	0.036	0.002	0.008
				Max +ve	0.000	-0.019	0.000	-0.002
			3:COMBINATIC	Max -ve	0.002	0.024	0.002	0.032
				Max +ve	0.000	-0.011	0.001	-0.283
337	84	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.005	0.001	-0.380
			2:LOAD CASE	Max -ve	0.002	0.032	0.000	0.002
				Max +ve	0.000	-0.022	0.002	-0.007
			3:COMBINATIC	Max -ve	0.002	0.027	0.000	0.035
				Max +ve	0.000	-0.020	0.001	-0.287
338	85	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.044
				Max +ve	0.002	-0.005	0.001	-0.380
			2:LOAD CASE	Max -ve	0.002	0.040	0.002	0.006
				Max +ve			0.000	-0.002
			3:COMBINATIC	Max -ve	0.002	0.026	0.000	0.032
				Max +ve			0.001	-0.283
339	83	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.044
				Max +ve	0.000	-0.006	0.001	-0.380
			2:LOAD CASE	Max -ve			0.002	0.006
				Max +ve	0.002	-0.032	0.000	-0.001
			3:COMBINATIC	Max -ve			0.000	0.032
				Max +ve	0.000	-0.021	0.001	-0.283
340	85	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.042
				Max +ve	0.000	-0.005	0.001	-0.381
			2:LOAD CASE	Max -ve	0.000	0.030	0.002	0.008
				Max +ve	0.002	-0.043	0.000	-0.002
			3:COMBINATIC	Max -ve	0.000	0.018	0.002	0.031
				Max +ve	0.002	-0.029	0.001	-0.284
341	86	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.044
				Max +ve	0.002	-0.004	0.001	-0.381
			2:LOAD CASE	Max -ve	0.000	0.032	0.000	0.002
				Max +ve	0.002	-0.039	0.002	-0.007
			3:COMBINATIC	Max -ve	0.000	0.028	0.000	0.035
				Max +ve	0.002	-0.032	0.001	-0.287
342	86	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.005	0.001	-0.379
			2:LOAD CASE	Max -ve	0.002	0.044	0.000	0.001
				Max +ve			0.002	-0.006
			3:COMBINATIC	Max -ve	0.002	0.036	0.000	0.034
				Max +ve			0.001	-0.287
343	84	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.044
				Max +ve	0.002	-0.004	0.001	-0.379
			2:LOAD CASE	Max -ve			0.000	0.001
				Max +ve	0.002	-0.036	0.002	-0.006
			3:COMBINATIC	Max -ve			0.000	0.034
				Max +ve	0.002	-0.030	0.001	-0.287
344	101	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.006	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.041	0.002	0.002
				Max +ve	0.000	-0.087	0.000	-0.006
			3:COMBINATIC	Max -ve	0.002	0.034	0.002	0.029
				Max +ve	0.000	-0.069	0.001	-0.294
345	92	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.044
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.078	0.002	0.005
				Max +ve	0.000	-0.045	0.000	-0.003

Beam Maximum Moments Cont...

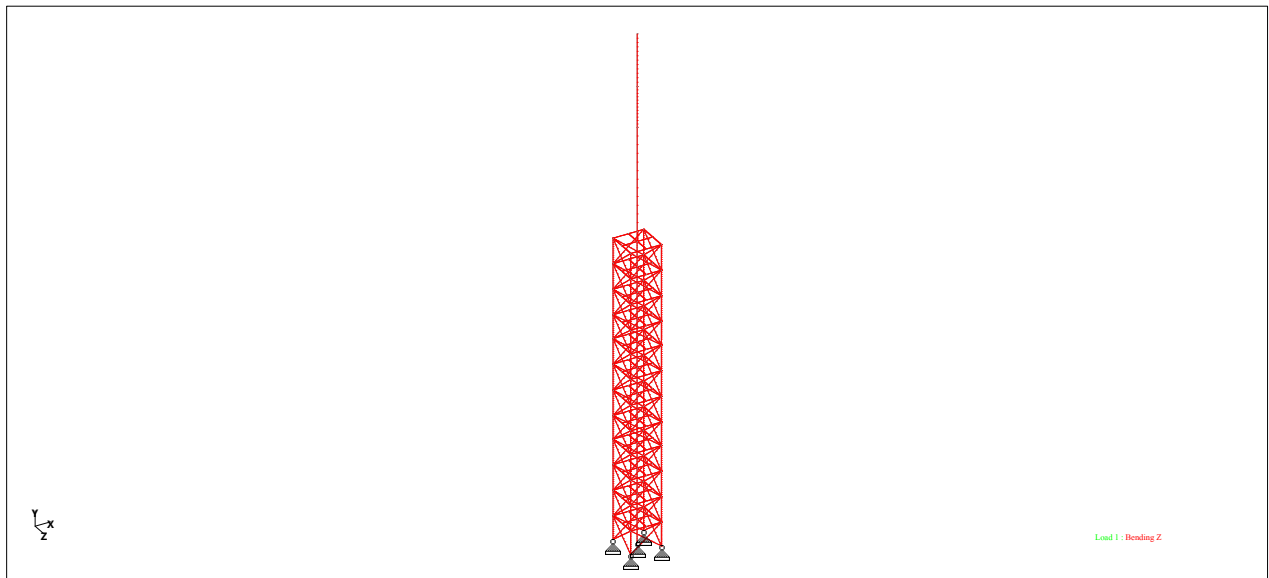
Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			3:COMBINATIC	Max -ve	0.002	0.055	0.000	0.031
				Max +ve	0.000	-0.030	0.001	-0.292
346	104	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.045
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.000	0.097		
				Max +ve			0.000	-0.009
			3:COMBINATIC	Max -ve	0.000	0.077	0.000	0.027
				Max +ve			0.001	-0.296
347	102	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.045
				Max +ve	0.000	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.108	0.000	-0.009
			3:COMBINATIC	Max -ve			0.000	0.027
				Max +ve	0.000	-0.085	0.001	-0.296
348	95	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.045
				Max +ve	0.002	-0.004	0.001	-0.391
			2:LOAD CASE	Max -ve	0.000	0.062	0.000	0.003
				Max +ve	0.002	-0.078	0.002	-0.005
			3:COMBINATIC	Max -ve	0.000	0.051	0.000	0.036
				Max +ve	0.002	-0.062	0.001	-0.294
349	94	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.005	0.001	-0.391
			2:LOAD CASE	Max -ve	0.000	0.057	0.002	0.005
				Max +ve	0.002	-0.086	0.000	-0.003
			3:COMBINATIC	Max -ve	0.000	0.039	0.000	0.031
				Max +ve	0.002	-0.062	0.001	-0.292
350	92	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045
				Max +ve	0.000	-0.006	0.001	-0.390
			2:LOAD CASE	Max -ve			0.002	0.007
				Max +ve	0.002	-0.069		
			3:COMBINATIC	Max -ve			0.000	0.035
				Max +ve	0.002	-0.047	0.001	-0.290
351	94	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.045
				Max +ve	0.002	-0.005	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.078	0.002	0.007
				Max +ve				
			3:COMBINATIC	Max -ve	0.002	0.055	0.000	0.035
				Max +ve			0.001	-0.290
352	110	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.044
				Max +ve	0.000	-0.006	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.090	0.002	0.003
				Max +ve	0.000	-0.168	0.000	-0.003
			3:COMBINATIC	Max -ve	0.002	0.071	0.000	0.031
				Max +ve	0.000	-0.130	0.001	-0.293
353	101	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.044
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.002	0.150	0.002	0.003
				Max +ve	0.000	-0.100	0.000	-0.003
			3:COMBINATIC	Max -ve	0.002	0.109	0.000	0.031
				Max +ve	0.000	-0.071	0.001	-0.293
354	113	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.046
				Max +ve	0.002	-0.004	0.001	-0.390
			2:LOAD CASE	Max -ve	0.000	0.183		
				Max +ve			0.000	-0.010
			3:COMBINATIC	Max -ve	0.000	0.141	0.000	0.027
				Max +ve			0.001	-0.298

Beam Maximum Moments Cont...

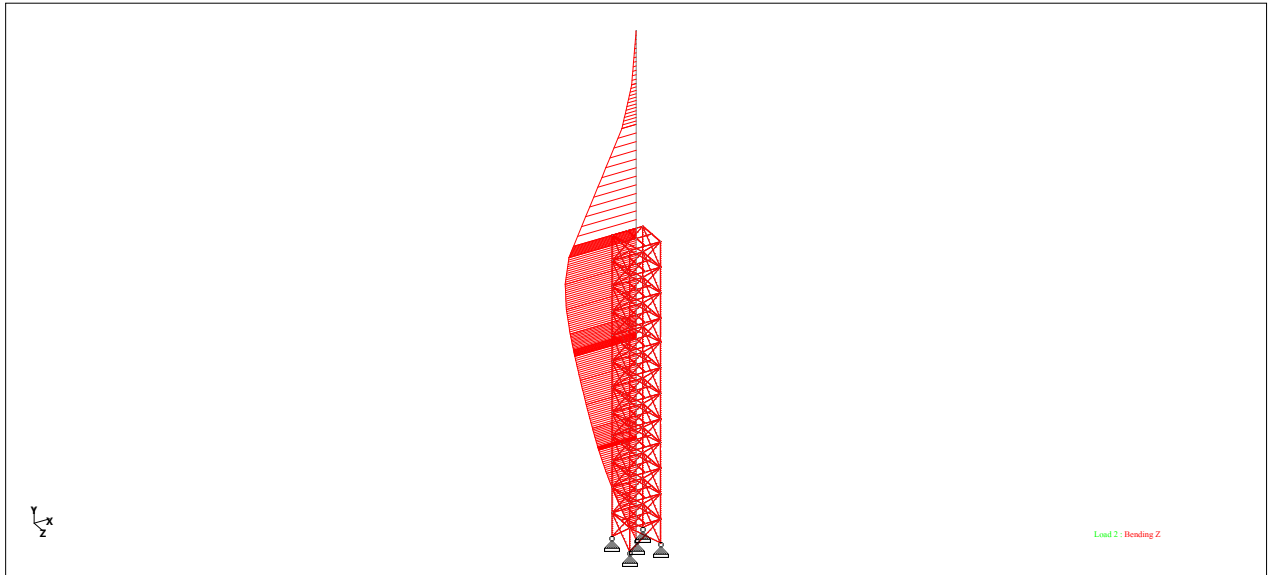
Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)		
355	111	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.046		
				Max +ve	0.000	-0.005	0.001	-0.390		
			2:LOAD CASE	Max -ve						
				Max +ve	0.000	-0.197	0.000	-0.011		
			3:COMBINATIC	Max -ve			0.000	0.026		
				Max +ve	0.000	-0.152	0.001	-0.298		
356	104	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.045		
				Max +ve	0.002	-0.004	0.001	-0.391		
			2:LOAD CASE	Max -ve	0.000	0.126	0.000	0.003		
				Max +ve	0.002	-0.145	0.002	-0.002		
			3:COMBINATIC	Max -ve	0.000	0.098	0.000	0.036		
				Max +ve	0.002	-0.112	0.001	-0.293		
357	103	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.000	0.043		
				Max +ve	0.000	-0.006	0.001	-0.391		
			2:LOAD CASE	Max -ve	0.000	0.115	0.002	0.003		
				Max +ve	0.002	-0.160	0.000	-0.003		
			3:COMBINATIC	Max -ve	0.000	0.082	0.000	0.030		
				Max +ve	0.002	-0.117	0.001	-0.293		
358	101	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.045		
				Max +ve	0.000	-0.006	0.001	-0.390		
			2:LOAD CASE	Max -ve			0.002	0.007		
				Max +ve	0.002	-0.130				
			3:COMBINATIC	Max -ve			0.000	0.037		
				Max +ve	0.002	-0.093	0.001	-0.288		
359	103	0.002	1:LOAD CASE	Max -ve	0.000	0.007	0.000	0.045		
				Max +ve	0.002	-0.005	0.001	-0.390		
			2:LOAD CASE	Max -ve	0.002	0.141	0.002	0.007		
				Max +ve						
			3:COMBINATIC	Max -ve	0.002	0.102	0.000	0.037		
				Max +ve			0.001	-0.288		
360	119	0.002	1:LOAD CASE	Max -ve	0.002	0.004	0.002	0.036		
				Max +ve	0.000	-0.010	0.001	-0.394		
			2:LOAD CASE	Max -ve	0.002	0.167	0.002	0.003		
				Max +ve	0.000	-0.280	0.000	-0.006		
			3:COMBINATIC	Max -ve	0.002	0.129	0.002	0.030		
				Max +ve	0.000	-0.218	0.001	-0.297		
361	110	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.045		
				Max +ve	0.002	-0.008	0.001	-0.393		
			2:LOAD CASE	Max -ve	0.002	0.249	0.002	0.006		
				Max +ve	0.000	-0.186	0.000	-0.003		
			3:COMBINATIC	Max -ve	0.002	0.181	0.000	0.031		
				Max +ve	0.000	-0.136	0.001	-0.294		
362	122	0.002	1:LOAD CASE	Max -ve	0.000	0.010	0.000	0.039		
				Max +ve	0.002	-0.004	0.001	-0.393		
			2:LOAD CASE	Max -ve	0.000	0.308				
				Max +ve			0.000	-0.032		
			3:COMBINATIC	Max -ve	0.000	0.239	0.002	0.023		
				Max +ve			0.001	-0.309		
363	120	0.002	1:LOAD CASE	Max -ve	0.002	0.005	0.000	0.039		
				Max +ve	0.000	-0.009	0.001	-0.393		
			2:LOAD CASE	Max -ve						
				Max +ve	0.000	-0.325	0.000	-0.032		
			3:COMBINATIC	Max -ve			0.002	0.023		
				Max +ve	0.000	-0.251	0.001	-0.309		
364	113	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.046		
				Max +ve	0.002	-0.008	0.001	-0.394		

Beam Maximum Moments Cont...

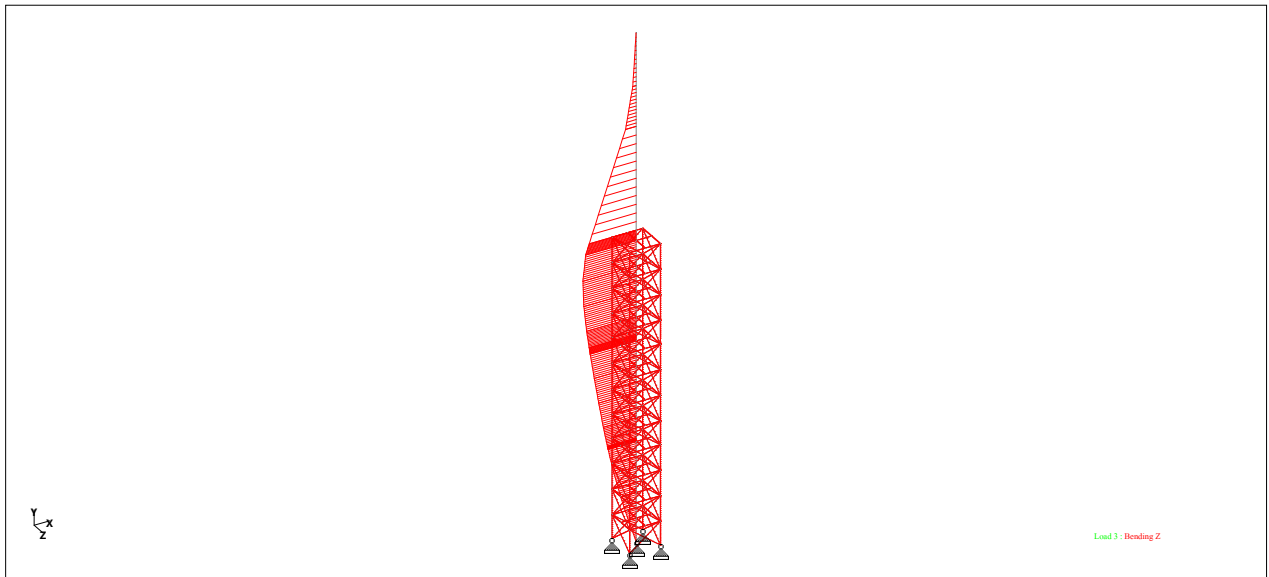
Beam	Node A	Length (km)	L/C		d (km)	Max My (kg·m)	d (km)	Max Mz (kg·m)
			2:LOAD CASE	Max -ve	0.000	0.223	0.000	0.003
				Max +ve	0.002	-0.239	0.002	-0.004
			3:COMBINATIC	Max -ve	0.000	0.172	0.000	0.037
				Max +ve	0.002	-0.185	0.001	-0.296
365	112	0.002	1:LOAD CASE	Max -ve	0.002	0.008	0.000	0.044
				Max +ve	0.000	-0.006	0.001	-0.394
			2:LOAD CASE	Max -ve	0.000	0.204	0.002	0.006
				Max +ve	0.002	-0.262	0.000	-0.003
			3:COMBINATIC	Max -ve	0.000	0.149	0.000	0.031
				Max +ve	0.002	-0.191	0.001	-0.294
366	110	0.002	1:LOAD CASE	Max -ve	0.002	0.010	0.000	0.045
				Max +ve	0.000	-0.006	0.001	-0.393
			2:LOAD CASE	Max -ve			0.002	0.023
				Max +ve	0.002	-0.219		
			3:COMBINATIC	Max -ve			0.002	0.039
				Max +ve	0.002	-0.157	0.001	-0.284
367	112	0.002	1:LOAD CASE	Max -ve	0.000	0.007	0.000	0.045
				Max +ve	0.002	-0.009	0.001	-0.393
			2:LOAD CASE	Max -ve	0.002	0.234	0.002	0.023
				Max +ve				
			3:COMBINATIC	Max -ve	0.002	0.168	0.002	0.040
				Max +ve			0.001	-0.284
368	6	0.003	1:LOAD CASE	Max -ve	0.003	0.000	0.003	0.000
				Max +ve	0.003	-0.000	0.003	-0.000
			2:LOAD CASE	Max -ve	0.003	0.000	0.000	263.655
				Max +ve	0.003	-0.000		
			3:COMBINATIC	Max -ve	0.003	0.000	0.000	197.741
				Max +ve	0.003	-0.000		



moment dl (Input data was modified after picture taken)



bending wI (Input data was modified after picture taken)



bending dI+wI (Input data was modified after picture taken)

Beam Maximum Shear Forces

Distances to maxima are given from beam end A.

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
1	1	0.001	1:LOAD CASE	Max -ve	0.000	0.133		
				Max +ve			0.000	-0.133
			2:LOAD CASE	Max -ve	0.000	0.426		
				Max +ve			0.000	-435.587
			3:COMBINATIC	Max -ve	0.000	0.419		
				Max +ve			0.000	-326.791
2	2	0.001	1:LOAD CASE	Max -ve	0.000	0.145		
				Max +ve			0.000	-0.144
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.039	0.000	-267.298
			3:COMBINATIC	Max -ve	0.000	0.079		
				Max +ve			0.000	-200.582
3	3	0.001	1:LOAD CASE	Max -ve	0.000	0.136		
				Max +ve			0.000	-0.135
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.131	0.000	-194.247

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			3:COMBINATIC	Max -ve	0.000	0.004		
				Max +ve			0.000	-145.786
4	4	0.006	1:LOAD CASE	Max -ve	0.000	0.000		
				Max +ve			0.000	-0.000
			2:LOAD CASE	Max -ve			0.000	466.560
				Max +ve	0.000	-0.000		
			3:COMBINATIC	Max -ve	0.000	0.000	0.000	349.920
				Max +ve				
5	5	0.002	1:LOAD CASE	Max -ve	0.000	0.000	0.000	0.000
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.000	0.000	235.980
				Max +ve	0.000	0.000		
			3:COMBINATIC	Max -ve	0.000	0.000	0.000	176.985
				Max +ve				
18	15	0.002	1:LOAD CASE	Max -ve	0.000	0.134		
				Max +ve			0.000	-0.135
			2:LOAD CASE	Max -ve	0.000	0.255		
				Max +ve			0.000	-401.590
			3:COMBINATIC	Max -ve	0.000	0.292		
				Max +ve			0.000	-301.294
23	11	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.211	0.000	-0.228
			2:LOAD CASE	Max -ve	0.000	0.144		
				Max +ve			0.000	-0.393
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.050	0.000	-0.466
24	12	0.001	1:LOAD CASE	Max -ve			0.000	0.198
				Max +ve	0.000	-0.197		
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.154	0.000	-0.404
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.263	0.000	-0.155
25	13	0.001	1:LOAD CASE	Max -ve	0.000	0.211		
				Max +ve			0.000	-0.242
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.146	0.000	-0.392
			3:COMBINATIC	Max -ve	0.000	0.049		
				Max +ve			0.000	-0.476
26	14	0.001	1:LOAD CASE	Max -ve	0.000	0.196	0.000	0.213
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.154		
				Max +ve			0.000	-0.403
			3:COMBINATIC	Max -ve	0.000	0.263		
				Max +ve			0.000	-0.143
27	16	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.237
				Max +ve			0.001	-4.069
			2:LOAD CASE	Max -ve	0.000	0.973		
				Max +ve			0.000	-1.119
			3:COMBINATIC	Max -ve	0.000	0.730	0.000	0.089
				Max +ve			0.001	-3.891
28	15	0.001	1:LOAD CASE	Max -ve			0.000	4.272
				Max +ve	0.000	-0.001	0.001	-1.035
			2:LOAD CASE	Max -ve	0.000	1.158		
				Max +ve			0.000	-1.285
			3:COMBINATIC	Max -ve	0.000	0.868	0.000	2.240
				Max +ve			0.001	-1.740

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)	
29	18	0.001	1:LOAD CASE	Max -ve			0.000	1.221	
				Max +ve	0.000	-0.001	0.001	-4.086	
			2:LOAD CASE	Max -ve	0.000	12.940			
				Max +ve			0.000		-0.015
			3:COMBINATIC	Max -ve	0.000	9.704	0.000		0.904
				Max +ve			0.001		-3.076
30	15	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	4.290	
				Max +ve			0.001	-1.016	
			2:LOAD CASE	Max -ve			0.000		0.020
				Max +ve	0.000	-12.872			
			3:COMBINATIC	Max -ve			0.000		3.233
				Max +ve	0.000	-9.653	0.001		-0.747
31	16	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.004	0.001	-1.863	
			2:LOAD CASE	Max -ve			0.000		0.560
				Max +ve	0.000	-2.072			
			3:COMBINATIC	Max -ve					
				Max +ve	0.000	-1.557	0.001		-0.977
32	17	0.001	1:LOAD CASE	Max -ve	0.000	0.004			
				Max +ve			0.001	-1.762	
			2:LOAD CASE	Max -ve					
				Max +ve	0.000	-2.022	0.000		-0.642
			3:COMBINATIC	Max -ve					
				Max +ve	0.000	-1.513	0.001		-1.803
33	16	0.001	1:LOAD CASE	Max -ve	0.000	0.004			
				Max +ve			0.001	-1.863	
			2:LOAD CASE	Max -ve	0.000	2.067	0.000		0.559
				Max +ve					
			3:COMBINATIC	Max -ve	0.000	1.553			
				Max +ve				0.001	-0.978
34	17	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.004	0.001	-1.762	
			2:LOAD CASE	Max -ve	0.000	2.025			
				Max +ve			0.000		-0.643
			3:COMBINATIC	Max -ve	0.000	1.516			
				Max +ve				0.001	-1.803
35	22	0.001	1:LOAD CASE	Max -ve			0.000	1.909	
				Max +ve	0.000	-0.004			
			2:LOAD CASE	Max -ve					
				Max +ve	0.000	-1.490	0.000		-0.244
			3:COMBINATIC	Max -ve				0.000	1.249
				Max +ve	0.000	-1.120			
36	18	0.001	1:LOAD CASE	Max -ve	0.000	0.004			
				Max +ve			0.001	-1.800	
			2:LOAD CASE	Max -ve					
				Max +ve	0.000	-1.660	0.000		-0.228
			3:COMBINATIC	Max -ve					
				Max +ve	0.000	-1.242	0.001		-1.522
37	20	0.001	1:LOAD CASE	Max -ve	0.000	0.004	0.000	1.801	
				Max +ve					
			2:LOAD CASE	Max -ve	0.000	1.452			
				Max +ve				0.000	-0.246
			3:COMBINATIC	Max -ve	0.000	1.092	0.000		1.166
				Max +ve					
38	19	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.004	0.001	-1.703	

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			2:LOAD CASE	Max -ve	0.000	1.608		
				Max +ve			0.000	-0.226
			3:COMBINATIC	Max -ve	0.000	1.203		
				Max +ve			0.001	-1.447
39	24	0.001	1:LOAD CASE	Max -ve	0.000	0.137		
				Max +ve			0.000	-0.137
			2:LOAD CASE	Max -ve	0.000	0.123		
				Max +ve			0.000	-352.681
			3:COMBINATIC	Max -ve	0.000	0.195		
				Max +ve			0.000	-264.614
44	20	0.002	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.351	0.000	-0.386
			2:LOAD CASE	Max -ve	0.000	0.040	0.000	0.238
				Max +ve				
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.233	0.000	-0.111
45	21	0.002	1:LOAD CASE	Max -ve			0.000	0.323
				Max +ve	0.000	-0.324		
			2:LOAD CASE	Max -ve			0.000	0.218
				Max +ve	0.000	-0.054		
			3:COMBINATIC	Max -ve			0.000	0.406
				Max +ve	0.000	-0.283		
46	22	0.002	1:LOAD CASE	Max -ve	0.000	0.350		
				Max +ve			0.000	-0.414
			2:LOAD CASE	Max -ve			0.000	0.234
				Max +ve	0.000	-0.038		
			3:COMBINATIC	Max -ve	0.000	0.234		
				Max +ve			0.000	-0.135
47	23	0.002	1:LOAD CASE	Max -ve	0.000	0.323	0.000	0.353
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.050	0.000	0.216
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.280	0.000	0.427
				Max +ve				
48	25	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.230
				Max +ve			0.001	-4.076
			2:LOAD CASE	Max -ve	0.000	0.948		
				Max +ve			0.000	-0.516
			3:COMBINATIC	Max -ve	0.000	0.712	0.000	0.536
				Max +ve			0.001	-3.444
49	24	0.001	1:LOAD CASE	Max -ve			0.000	4.281
				Max +ve	0.000	-0.002	0.001	-1.026
			2:LOAD CASE	Max -ve	0.000	1.102		
				Max +ve			0.000	-0.593
			3:COMBINATIC	Max -ve	0.000	0.826	0.000	2.766
				Max +ve			0.001	-1.214
50	27	0.001	1:LOAD CASE	Max -ve			0.000	1.213
				Max +ve	0.000	-0.002	0.001	-4.093
			2:LOAD CASE	Max -ve	0.000	18.179		
				Max +ve			0.000	-0.014
			3:COMBINATIC	Max -ve	0.000	13.633	0.000	0.900
				Max +ve			0.001	-3.080
51	24	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	4.299
				Max +ve			0.001	-1.008
			2:LOAD CASE	Max -ve			0.000	0.017
				Max +ve	0.000	-18.923		

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			3:COMBINATIC	Max -ve			0.000	3.237
				Max +ve	0.000	-14.191	0.001	-0.743
52	25	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.004	0.001	-1.859
			2:LOAD CASE	Max -ve			0.000	0.257
				Max +ve	0.000	-2.982		
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-2.240	0.001	-1.201
53	26	0.001	1:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.001	-1.757
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-2.903	0.000	-0.296
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-2.175	0.001	-1.540
54	25	0.001	1:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.001	-1.859
			2:LOAD CASE	Max -ve	0.000	2.992	0.000	0.258
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	2.246		
				Max +ve			0.001	-1.201
55	26	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.003	0.001	-1.757
			2:LOAD CASE	Max -ve	0.000	2.931		
				Max +ve			0.000	-0.297
			3:COMBINATIC	Max -ve	0.000	2.196		
				Max +ve			0.001	-1.541
56	31	0.001	1:LOAD CASE	Max -ve			0.000	1.905
				Max +ve	0.000	-0.003		
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-2.202	0.000	-0.233
			3:COMBINATIC	Max -ve			0.000	1.254
				Max +ve	0.000	-1.654		
57	27	0.001	1:LOAD CASE	Max -ve	0.000	0.004		
				Max +ve			0.001	-1.797
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-2.452	0.000	-0.219
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-1.835	0.001	-1.512
58	29	0.001	1:LOAD CASE	Max -ve	0.000	0.003	0.000	1.796
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	2.135		
				Max +ve			0.000	-0.234
			3:COMBINATIC	Max -ve	0.000	1.603	0.000	1.171
				Max +ve				
59	28	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.004	0.001	-1.700
			2:LOAD CASE	Max -ve	0.000	2.362		
				Max +ve			0.000	-0.217
			3:COMBINATIC	Max -ve	0.000	1.768		
				Max +ve			0.001	-1.438
60	33	0.002	1:LOAD CASE	Max -ve	0.000	0.141		
				Max +ve			0.000	-0.141
			2:LOAD CASE	Max -ve	0.000	0.026		
				Max +ve			0.000	-304.908
			3:COMBINATIC	Max -ve	0.000	0.125		
				Max +ve			0.000	-228.786

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)			
65	29	0.001	1:LOAD CASE	Max -ve							
				Max +ve	0.000	-0.353	0.000	-0.392			
						2:LOAD CASE	Max -ve	0.000	0.045	0.000	0.214
							Max +ve				
						3:COMBINATIC	Max -ve				
							Max +ve	0.000	-0.232	0.000	-0.133
66	30	0.001	1:LOAD CASE	Max -ve			0.000	0.326			
				Max +ve	0.000	-0.330					
						2:LOAD CASE	Max -ve			0.000	0.189
							Max +ve	0.000	-0.047		
						3:COMBINATIC	Max -ve			0.000	0.386
							Max +ve	0.000	-0.283		
67	31	0.001	1:LOAD CASE	Max -ve	0.000	0.353					
				Max +ve			0.000	-0.417			
						2:LOAD CASE	Max -ve			0.000	0.210
							Max +ve	0.000	-0.041		
						3:COMBINATIC	Max -ve	0.000	0.234		
							Max +ve			0.000	-0.156
68	32	0.001	1:LOAD CASE	Max -ve	0.000	0.329	0.000	0.356			
				Max +ve							
						2:LOAD CASE	Max -ve	0.000	0.044	0.000	0.188
							Max +ve				
						3:COMBINATIC	Max -ve	0.000	0.279	0.000	0.408
							Max +ve				
69	34	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	1.225			
				Max +ve			0.001	-4.081			
						2:LOAD CASE	Max -ve	0.000	0.904		
							Max +ve			0.000	-0.139
						3:COMBINATIC	Max -ve	0.000	0.680	0.000	0.815
							Max +ve			0.001	-3.165
70	33	0.001	1:LOAD CASE	Max -ve			0.000	4.287			
				Max +ve	0.000	-0.002	0.001	-1.020			
						2:LOAD CASE	Max -ve	0.000	1.032		
							Max +ve			0.000	-0.160
						3:COMBINATIC	Max -ve	0.000	0.772	0.000	3.095
							Max +ve			0.001	-0.885
71	36	0.001	1:LOAD CASE	Max -ve			0.000	1.208			
				Max +ve	0.000	-0.002	0.001	-4.098			
						2:LOAD CASE	Max -ve	0.000	17.853		
							Max +ve			0.000	-0.013
						3:COMBINATIC	Max -ve	0.000	13.388	0.000	0.897
							Max +ve			0.001	-3.083
72	33	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	4.305			
				Max +ve			0.001	-1.002			
						2:LOAD CASE	Max -ve			0.000	0.015
							Max +ve	0.000	-18.381		
						3:COMBINATIC	Max -ve			0.000	3.240
							Max +ve	0.000	-13.784	0.001	-0.740
73	34	0.001	1:LOAD CASE	Max -ve							
				Max +ve	0.000	-0.004	0.001	-1.857			
						2:LOAD CASE	Max -ve			0.000	0.069
							Max +ve	0.000	-2.901		
						3:COMBINATIC	Max -ve				
							Max +ve	0.000	-2.178	0.001	-1.341
74	35	0.001	1:LOAD CASE	Max -ve	0.000	0.003					
				Max +ve			0.001	-1.754			

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-2.821	0.000	-0.079
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-2.114	0.001	-1.375
75	34	0.001	1:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.001	-1.857
			2:LOAD CASE	Max -ve	0.000	2.937	0.000	0.070
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	2.205		
				Max +ve			0.001	-1.340
76	35	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.002	0.001	-1.754
			2:LOAD CASE	Max -ve	0.000	2.880		
				Max +ve			0.000	-0.081
			3:COMBINATIC	Max -ve	0.000	2.158		
				Max +ve			0.001	-1.376
77	40	0.001	1:LOAD CASE	Max -ve			0.000	1.902
				Max +ve	0.000	-0.002		
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-2.175	0.000	-0.215
			3:COMBINATIC	Max -ve			0.000	1.265
				Max +ve	0.000	-1.633		
78	36	0.001	1:LOAD CASE	Max -ve	0.000	0.004		
				Max +ve			0.001	-1.795
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-2.423	0.000	-0.203
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-1.815	0.001	-1.498
79	38	0.001	1:LOAD CASE	Max -ve	0.000	0.003	0.000	1.793
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	2.084		
				Max +ve			0.000	-0.216
			3:COMBINATIC	Max -ve	0.000	1.565	0.000	1.182
				Max +ve				
80	37	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.004	0.001	-1.698
			2:LOAD CASE	Max -ve	0.000	2.302		
				Max +ve			0.000	-0.201
			3:COMBINATIC	Max -ve	0.000	1.724		
				Max +ve			0.001	-1.424
81	42	0.000	1:LOAD CASE	Max -ve	0.000	0.145		
				Max +ve			0.000	-0.144
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.039	0.000	-267.298
			3:COMBINATIC	Max -ve	0.000	0.079		
				Max +ve			0.000	-200.582
86	38	0.002	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.346	0.000	-0.384
			2:LOAD CASE	Max -ve	0.000	0.001	0.000	0.199
				Max +ve				
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.259	0.000	-0.139
87	39	0.002	1:LOAD CASE	Max -ve			0.000	0.321
				Max +ve	0.000	-0.325		
			2:LOAD CASE	Max -ve	0.000	0.001	0.000	0.177
				Max +ve				

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			3:COMBINATIC	Max -ve			0.000	0.374
				Max +ve	0.000	-0.243		
88	40	0.002	1:LOAD CASE	Max -ve	0.000	0.346		
				Max +ve			0.000	-0.409
			2:LOAD CASE	Max -ve	0.000	0.002	0.000	0.195
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.261		
				Max +ve			0.000	-0.161
89	41	0.002	1:LOAD CASE	Max -ve	0.000	0.325	0.000	0.349
				Max +ve				
			2:LOAD CASE	Max -ve			0.000	0.177
				Max +ve	0.000	-0.003		
			3:COMBINATIC	Max -ve	0.000	0.241	0.000	0.394
				Max +ve				
90	43	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	1.224
				Max +ve			0.001	-4.083
			2:LOAD CASE	Max -ve	0.000	0.840	0.000	0.051
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.631	0.000	0.956
				Max +ve			0.001	-3.024
91	42	0.001	1:LOAD CASE	Max -ve			0.000	4.290
				Max +ve	0.000	-0.002	0.001	-1.017
			2:LOAD CASE	Max -ve	0.000	0.946	0.000	0.057
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.708	0.000	3.260
				Max +ve			0.001	-0.720
92	45	0.001	1:LOAD CASE	Max -ve			0.000	1.208
				Max +ve	0.000	-0.002	0.001	-4.099
			2:LOAD CASE	Max -ve	0.000	14.398		
				Max +ve			0.000	-0.012
			3:COMBINATIC	Max -ve	0.000	10.797	0.000	0.897
				Max +ve			0.001	-3.083
93	42	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	4.307
				Max +ve			0.001	-1.000
			2:LOAD CASE	Max -ve			0.000	0.014
				Max +ve	0.000	-14.106		
			3:COMBINATIC	Max -ve			0.000	3.241
				Max +ve	0.000	-10.578	0.001	-0.739
94	43	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.003	0.001	-1.856
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-2.264	0.000	-0.026
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-1.700	0.001	-1.412
95	44	0.001	1:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.001	-1.753
			2:LOAD CASE	Max -ve			0.000	0.029
				Max +ve	0.000	-2.205		
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-1.652	0.001	-1.293
96	43	0.001	1:LOAD CASE	Max -ve	0.000	0.002		
				Max +ve			0.001	-1.856
			2:LOAD CASE	Max -ve	0.000	2.339		
				Max +ve			0.000	-0.025
			3:COMBINATIC	Max -ve	0.000	1.756		
				Max +ve			0.001	-1.411

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)	
97	44	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.002	0.001	-1.753	
				2:LOAD CASE	Max -ve	0.000	2.298	0.000	0.028
					Max +ve				
				3:COMBINATIC	Max -ve	0.000	1.722		
					Max +ve			0.001	-1.293
98	49	0.001	1:LOAD CASE	Max -ve			0.000	1.902	
				Max +ve	0.000	-0.002			
				2:LOAD CASE	Max -ve				
					Max +ve	0.000	-1.735	0.000	-0.199
				3:COMBINATIC	Max -ve			0.000	1.277
					Max +ve	0.000	-1.303		
99	45	0.001	1:LOAD CASE	Max -ve	0.000	0.003			
				Max +ve			0.001	-1.794	
				2:LOAD CASE	Max -ve				
					Max +ve	0.000	-1.937	0.000	-0.187
				3:COMBINATIC	Max -ve				
					Max +ve	0.000	-1.450	0.001	-1.486
100	47	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	1.793	
				Max +ve					
				2:LOAD CASE	Max -ve	0.000	1.619		
					Max +ve			0.000	-0.200
				3:COMBINATIC	Max -ve	0.000	1.216	0.000	1.195
					Max +ve				
101	46	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.004	0.001	-1.695	
				2:LOAD CASE	Max -ve	0.000	1.780		
					Max +ve			0.000	-0.186
				3:COMBINATIC	Max -ve	0.000	1.332		
					Max +ve			0.001	-1.411
102	51	0.001	1:LOAD CASE	Max -ve	0.000	0.148			
				Max +ve			0.000	-0.148	
				2:LOAD CASE	Max -ve				
					Max +ve	0.000	-0.085	0.000	-241.786
				3:COMBINATIC	Max -ve	0.000	0.047		
					Max +ve			0.000	-181.450
103	60	0.002	1:LOAD CASE	Max -ve	0.000	0.148			
				Max +ve			0.000	-0.148	
				2:LOAD CASE	Max -ve				
					Max +ve	0.000	-0.115	0.000	-227.120
				3:COMBINATIC	Max -ve	0.000	0.025		
					Max +ve			0.000	-170.451
104	69	0.002	1:LOAD CASE	Max -ve	0.000	0.145			
				Max +ve			0.000	-0.144	
				2:LOAD CASE	Max -ve				
					Max +ve	0.000	-0.130	0.000	-215.533
				3:COMBINATIC	Max -ve	0.000	0.011		
					Max +ve			0.000	-161.758
105	78	0.000	1:LOAD CASE	Max -ve	0.000	0.136			
				Max +ve			0.000	-0.135	
				2:LOAD CASE	Max -ve				
					Max +ve	0.000	-0.131	0.000	-194.247
				3:COMBINATIC	Max -ve	0.000	0.004		
					Max +ve			0.000	-145.786
111	47	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.395	0.000	-0.435	

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			2:LOAD CASE	Max -ve			0.000	0.196
				Max +ve	0.000	-0.012		
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.305	0.000	-0.179
112	48	0.001	1:LOAD CASE	Max -ve			0.000	0.366
				Max +ve	0.000	-0.368		
			2:LOAD CASE	Max -ve	0.000	0.016	0.000	0.178
				Max +ve				
			3:COMBINATIC	Max -ve			0.000	0.409
				Max +ve	0.000	-0.264		
113	49	0.001	1:LOAD CASE	Max -ve	0.000	0.394		
				Max +ve			0.000	-0.466
			2:LOAD CASE	Max -ve	0.000	0.014	0.000	0.193
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.306		
				Max +ve			0.000	-0.205
114	50	0.001	1:LOAD CASE	Max -ve	0.000	0.367	0.000	0.397
				Max +ve				
			2:LOAD CASE	Max -ve			0.000	0.178
				Max +ve	0.000	-0.017		
			3:COMBINATIC	Max -ve	0.000	0.263	0.000	0.431
				Max +ve				
115	52	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.220
				Max +ve			0.001	-4.087
			2:LOAD CASE	Max -ve	0.000	0.761	0.000	0.078
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.571	0.000	0.973
				Max +ve			0.001	-3.007
116	51	0.001	1:LOAD CASE	Max -ve			0.000	4.292
				Max +ve	0.000	-0.002	0.001	-1.015
			2:LOAD CASE	Max -ve	0.000	0.851	0.000	0.088
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.637	0.000	3.285
				Max +ve			0.001	-0.695
117	54	0.001	1:LOAD CASE	Max -ve			0.000	1.204
				Max +ve	0.000	-0.001	0.001	-4.103
			2:LOAD CASE	Max -ve	0.000	10.299		
				Max +ve			0.000	-0.011
			3:COMBINATIC	Max -ve	0.000	7.723	0.000	0.894
				Max +ve			0.001	-3.086
118	51	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	4.310
				Max +ve			0.001	-0.997
			2:LOAD CASE	Max -ve			0.000	0.013
				Max +ve	0.000	-9.035		
			3:COMBINATIC	Max -ve			0.000	3.242
				Max +ve	0.000	-6.775	0.001	-0.738
119	52	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.002	0.001	-1.854
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-1.501	0.000	-0.039
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-1.127	0.001	-1.420
120	53	0.001	1:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.001	-1.752
			2:LOAD CASE	Max -ve			0.000	0.045
				Max +ve	0.000	-1.456		

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-1.090	0.001	-1.280
121	52	0.001	1:LOAD CASE	Max -ve	0.000	0.002		
				Max +ve			0.001	-1.854
			2:LOAD CASE	Max -ve	0.000	1.624		
				Max +ve			0.000	-0.038
			3:COMBINATIC	Max -ve	0.000	1.220		
				Max +ve			0.001	-1.419
122	53	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.002	0.001	-1.752
			2:LOAD CASE	Max -ve	0.000	1.597	0.000	0.043
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	1.196		
				Max +ve			0.001	-1.282
123	58	0.001	1:LOAD CASE	Max -ve			0.000	1.900
				Max +ve	0.000	-0.002		
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-1.213	0.000	-0.185
			3:COMBINATIC	Max -ve			0.000	1.286
				Max +ve	0.000	-0.911		
124	54	0.001	1:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.001	-1.792
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-1.361	0.000	-0.174
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-1.019	0.001	-1.474
125	56	0.001	1:LOAD CASE	Max -ve	0.000	0.002	0.000	1.792
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	1.067		
				Max +ve			0.000	-0.186
			3:COMBINATIC	Max -ve	0.000	0.802	0.000	1.204
				Max +ve				
126	55	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.003	0.001	-1.694
			2:LOAD CASE	Max -ve	0.000	1.171		
				Max +ve			0.000	-0.173
			3:COMBINATIC	Max -ve	0.000	0.876		
				Max +ve			0.001	-1.400
131	56	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.347	0.000	-0.381
			2:LOAD CASE	Max -ve			0.000	0.176
				Max +ve	0.000	-0.002		
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.262	0.000	-0.154
132	57	0.001	1:LOAD CASE	Max -ve			0.000	0.319
				Max +ve	0.000	-0.320		
			2:LOAD CASE	Max -ve	0.000	0.003	0.000	0.158
				Max +ve				
			3:COMBINATIC	Max -ve			0.000	0.358
				Max +ve	0.000	-0.238		
133	58	0.001	1:LOAD CASE	Max -ve	0.000	0.346		
				Max +ve			0.000	-0.409
			2:LOAD CASE	Max -ve	0.000	0.002	0.000	0.173
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.262		
				Max +ve			0.000	-0.177

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)	
134	59	0.001	1:LOAD CASE	Max -ve	0.000	0.319	0.000	0.349	
				Max +ve					
			2:LOAD CASE	Max -ve			0.000		0.157
				Max +ve	0.000	-0.004			
			3:COMBINATIC	Max -ve	0.000	0.236	0.000		0.380
				Max +ve					
135	61	0.001	1:LOAD CASE	Max -ve	0.000	0.000	0.000	1.214	
				Max +ve			0.001	-4.092	
			2:LOAD CASE	Max -ve	0.000	0.652			
				Max +ve			0.000		-0.047
			3:COMBINATIC	Max -ve	0.000	0.490	0.000		0.876
				Max +ve			0.001		-3.104
136	60	0.001	1:LOAD CASE	Max -ve			0.000	4.299	
				Max +ve	0.000	-0.001	0.001	-1.008	
			2:LOAD CASE	Max -ve	0.000	0.730			
				Max +ve			0.000		-0.056
			3:COMBINATIC	Max -ve	0.000	0.547	0.000		3.182
				Max +ve			0.001		-0.798
137	63	0.001	1:LOAD CASE	Max -ve			0.000	1.198	
				Max +ve	0.000	-0.001	0.001	-4.109	
			2:LOAD CASE	Max -ve	0.000	6.673			
				Max +ve			0.000		-0.010
			3:COMBINATIC	Max -ve	0.000	5.005	0.000		0.891
				Max +ve			0.001		-3.089
138	60	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	4.317	
				Max +ve			0.001	-0.990	
			2:LOAD CASE	Max -ve			0.000		0.011
				Max +ve	0.000	-4.428			
			3:COMBINATIC	Max -ve			0.000		3.246
				Max +ve	0.000	-3.321	0.001		-0.734
139	61	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.003	0.001	-1.851	
			2:LOAD CASE	Max -ve			0.000		0.022
				Max +ve	0.000	-0.805			
			3:COMBINATIC	Max -ve					
				Max +ve	0.000	-0.606	0.001		-1.372
140	62	0.001	1:LOAD CASE	Max -ve	0.000	0.002			
				Max +ve			0.001	-1.748	
			2:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.783	0.000		-0.027
			3:COMBINATIC	Max -ve					
				Max +ve	0.000	-0.586	0.001		-1.331
141	61	0.001	1:LOAD CASE	Max -ve	0.000	0.002			
				Max +ve			0.001	-1.851	
			2:LOAD CASE	Max -ve	0.000	0.992	0.000		0.024
				Max +ve					
			3:COMBINATIC	Max -ve	0.000	0.746			
				Max +ve			0.001		-1.370
142	62	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.001	0.001	-1.748	
			2:LOAD CASE	Max -ve	0.000	0.983			
				Max +ve			0.000		-0.029
			3:COMBINATIC	Max -ve	0.000	0.736			
				Max +ve			0.001		-1.333
143	67	0.001	1:LOAD CASE	Max -ve			0.000	1.896	
				Max +ve	0.000	-0.002			

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.752	0.000	-0.170
			3:COMBINATIC	Max -ve			0.000	1.295
				Max +ve	0.000	-0.565		
144	63	0.001	1:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.001	-1.790
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.849	0.000	-0.160
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.635	0.001	-1.462
145	65	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.786
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.557		
				Max +ve			0.000	-0.171
			3:COMBINATIC	Max -ve	0.000	0.419	0.000	1.212
				Max +ve				
146	64	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.003	0.001	-1.692
			2:LOAD CASE	Max -ve	0.000	0.606		
				Max +ve			0.000	-0.160
			3:COMBINATIC	Max -ve	0.000	0.452		
				Max +ve			0.001	-1.389
151	65	0.002	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.345	0.000	-0.382
			2:LOAD CASE	Max -ve	0.000	0.016	0.000	0.154
				Max +ve				
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.246	0.000	-0.171
152	66	0.002	1:LOAD CASE	Max -ve			0.000	0.317
				Max +ve	0.000	-0.321		
			2:LOAD CASE	Max -ve			0.000	0.140
				Max +ve	0.000	-0.018		
			3:COMBINATIC	Max -ve			0.000	0.343
				Max +ve	0.000	-0.254		
153	67	0.002	1:LOAD CASE	Max -ve	0.000	0.344		
				Max +ve			0.000	-0.407
			2:LOAD CASE	Max -ve			0.000	0.150
				Max +ve	0.000	-0.015		
			3:COMBINATIC	Max -ve	0.000	0.247		
				Max +ve			0.000	-0.193
154	68	0.002	1:LOAD CASE	Max -ve	0.000	0.320	0.000	0.347
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.017	0.000	0.139
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.253	0.000	0.364
				Max +ve				
155	70	0.001	1:LOAD CASE	Max -ve			0.000	1.213
				Max +ve	0.000	-0.001	0.001	-4.094
			2:LOAD CASE	Max -ve	0.000	0.516		
				Max +ve			0.000	-0.320
			3:COMBINATIC	Max -ve	0.000	0.386	0.000	0.670
				Max +ve			0.001	-3.310
156	69	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	4.301
				Max +ve			0.001	-1.006
			2:LOAD CASE	Max -ve	0.000	0.585		
				Max +ve			0.000	-0.371

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			3:COMBINATIC	Max -ve	0.000	0.439	0.000	2.947
				Max +ve			0.001	-1.033
157	72	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.196
				Max +ve			0.001	-4.111
			2:LOAD CASE	Max -ve	0.000	5.798		
				Max +ve			0.000	-0.009
			3:COMBINATIC	Max -ve	0.000	4.349	0.000	0.890
				Max +ve			0.001	-3.090
158	69	0.001	1:LOAD CASE	Max -ve			0.000	4.319
				Max +ve	0.000	-0.001	0.001	-0.988
			2:LOAD CASE	Max -ve			0.000	0.009
				Max +ve	0.000	-2.959		
			3:COMBINATIC	Max -ve			0.000	3.246
				Max +ve	0.000	-2.220	0.001	-0.734
159	70	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.002	0.001	-1.850
			2:LOAD CASE	Max -ve			0.000	0.159
				Max +ve	0.000	-0.579		
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.436	0.001	-1.269
160	71	0.001	1:LOAD CASE	Max -ve	0.000	0.001		
				Max +ve			0.001	-1.747
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.565	0.000	-0.184
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.423	0.001	-1.449
161	70	0.001	1:LOAD CASE	Max -ve	0.000	0.002		
				Max +ve			0.001	-1.851
			2:LOAD CASE	Max -ve	0.000	0.847	0.000	0.161
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.637		
				Max +ve			0.001	-1.267
162	71	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.001	0.001	-1.747
			2:LOAD CASE	Max -ve	0.000	0.839		
				Max +ve			0.000	-0.187
			3:COMBINATIC	Max -ve	0.000	0.629		
				Max +ve			0.001	-1.450
163	76	0.001	1:LOAD CASE	Max -ve			0.000	1.895
				Max +ve	0.000	-0.002		
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.658	0.000	-0.153
			3:COMBINATIC	Max -ve			0.000	1.307
				Max +ve	0.000	-0.495		
164	72	0.001	1:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.001	-1.789
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.744	0.000	-0.145
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.556	0.001	-1.450
165	74	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.785
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.393		
				Max +ve			0.000	-0.155
			3:COMBINATIC	Max -ve	0.000	0.296	0.000	1.223
				Max +ve				

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)	
166	73	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.002	0.001	-1.691	
			2:LOAD CASE	Max -ve	0.000	0.425			
				Max +ve			0.000		-0.146
			3:COMBINATIC	Max -ve	0.000	0.318			
				Max +ve			0.001		-1.378
171	74	0.002	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.347	0.000	-0.384	
			2:LOAD CASE	Max -ve	0.000	0.055	0.000		0.142
				Max +ve					
			3:COMBINATIC	Max -ve					
				Max +ve	0.000	-0.219	0.000		-0.182
172	75	0.002	1:LOAD CASE	Max -ve			0.000	0.321	
				Max +ve	0.000	-0.325			
			2:LOAD CASE	Max -ve			0.000		0.128
				Max +ve	0.000	-0.062			
			3:COMBINATIC	Max -ve			0.000		0.337
				Max +ve	0.000	-0.291			
173	76	0.002	1:LOAD CASE	Max -ve	0.000	0.347			
				Max +ve			0.000	-0.409	
			2:LOAD CASE	Max -ve			0.000		0.136
				Max +ve	0.000	-0.053			
			3:COMBINATIC	Max -ve	0.000	0.220			
				Max +ve			0.000		-0.205
174	77	0.002	1:LOAD CASE	Max -ve	0.000	0.325	0.000	0.349	
				Max +ve					
			2:LOAD CASE	Max -ve	0.000	0.061	0.000		0.125
				Max +ve					
			3:COMBINATIC	Max -ve	0.000	0.289	0.000		0.356
				Max +ve					
175	79	0.001	1:LOAD CASE	Max -ve			0.000	1.214	
				Max +ve	0.000	-0.003	0.001	-4.092	
			2:LOAD CASE	Max -ve	0.000	0.354			
				Max +ve			0.000		-0.725
			3:COMBINATIC	Max -ve	0.000	0.263	0.000		0.367
				Max +ve			0.001		-3.613
176	78	0.001	1:LOAD CASE	Max -ve	0.000	0.003	0.000	4.300	
				Max +ve			0.001	-1.006	
			2:LOAD CASE	Max -ve	0.000	0.416			
				Max +ve			0.000		-0.838
			3:COMBINATIC	Max -ve	0.000	0.314	0.000		2.597
				Max +ve			0.001		-1.383
177	81	0.001	1:LOAD CASE	Max -ve	0.000	0.003	0.000	1.198	
				Max +ve			0.001	-4.108	
			2:LOAD CASE	Max -ve	0.000	9.414			
				Max +ve			0.000		-0.007
			3:COMBINATIC	Max -ve	0.000	7.063	0.000		0.893
				Max +ve			0.001		-3.087
178	78	0.001	1:LOAD CASE	Max -ve			0.000	4.317	
				Max +ve	0.000	-0.003	0.001	-0.990	
			2:LOAD CASE	Max -ve			0.000		0.007
				Max +ve	0.000	-6.682			
			3:COMBINATIC	Max -ve			0.000		3.243
				Max +ve	0.000	-5.014	0.001		-0.737
179	79	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.002	0.001	-1.851	

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			2:LOAD CASE	Max -ve			0.000	0.361
				Max +ve	0.000	-1.127		
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.847	0.001	-1.118
180	80	0.001	1:LOAD CASE	Max -ve	0.000	0.000		
				Max +ve			0.001	-1.747
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-1.104	0.000	-0.418
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.828	0.001	-1.624
181	79	0.001	1:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.001	-1.851
			2:LOAD CASE	Max -ve	0.000	1.493	0.000	0.363
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	1.122		
				Max +ve			0.001	-1.116
182	80	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.001	0.001	-1.747
			2:LOAD CASE	Max -ve	0.000	1.467		
				Max +ve			0.000	-0.420
			3:COMBINATIC	Max -ve	0.000	1.099		
				Max +ve			0.001	-1.626
183	85	0.001	1:LOAD CASE	Max -ve			0.000	1.897
				Max +ve	0.000	-0.002		
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-1.159	0.000	-0.137
			3:COMBINATIC	Max -ve			0.000	1.320
				Max +ve	0.000	-0.871		
184	81	0.001	1:LOAD CASE	Max -ve	0.000	0.002		
				Max +ve			0.001	-1.789
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-1.296	0.000	-0.130
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.971	0.001	-1.439
185	83	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.788
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.798		
				Max +ve			0.000	-0.139
			3:COMBINATIC	Max -ve	0.000	0.599	0.000	1.237
				Max +ve				
186	82	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.001	0.001	-1.690
			2:LOAD CASE	Max -ve	0.000	0.874		
				Max +ve			0.000	-0.132
			3:COMBINATIC	Max -ve	0.000	0.655		
				Max +ve			0.001	-1.367
187	87	0.002	1:LOAD CASE	Max -ve	0.000	0.120		
				Max +ve			0.000	-0.119
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.122	0.000	-146.751
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.002	0.000	-110.152
188	96	0.002	1:LOAD CASE	Max -ve	0.000	0.094		
				Max +ve			0.000	-0.093
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.105	0.000	-43.247

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.009	0.000	-32.505
189	105	0.002	1:LOAD CASE	Max -ve	0.000	0.054		
				Max +ve			0.000	-0.054
			2:LOAD CASE	Max -ve			0.000	149.471
				Max +ve	0.000	-0.075		
			3:COMBINATIC	Max -ve			0.000	112.063
				Max +ve	0.000	-0.015		
190	114	0.001	1:LOAD CASE	Max -ve			0.000	0.000
				Max +ve	0.000	-0.000		
			2:LOAD CASE	Max -ve	0.000	0.000	0.000	466.560
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.000	0.000	349.920
				Max +ve				
196	83	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.389	0.000	-0.429
			2:LOAD CASE	Max -ve	0.000	0.128	0.000	0.135
				Max +ve				
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.196	0.000	-0.221
197	84	0.001	1:LOAD CASE	Max -ve			0.000	0.361
				Max +ve	0.000	-0.363		
			2:LOAD CASE	Max -ve			0.000	0.121
				Max +ve	0.000	-0.149		
			3:COMBINATIC	Max -ve			0.000	0.362
				Max +ve	0.000	-0.384		
198	85	0.001	1:LOAD CASE	Max -ve	0.000	0.389		
				Max +ve			0.000	-0.460
			2:LOAD CASE	Max -ve			0.000	0.129
				Max +ve	0.000	-0.126		
			3:COMBINATIC	Max -ve	0.000	0.197		
				Max +ve			0.000	-0.248
199	86	0.001	1:LOAD CASE	Max -ve	0.000	0.362	0.000	0.392
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.146	0.000	0.117
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.381	0.000	0.382
				Max +ve				
200	88	0.001	1:LOAD CASE	Max -ve			0.000	1.215
				Max +ve	0.000	-0.006	0.001	-4.092
			2:LOAD CASE	Max -ve	0.000	0.184		
				Max +ve			0.000	-1.362
			3:COMBINATIC	Max -ve	0.000	0.134		
				Max +ve			0.001	-4.090
201	87	0.001	1:LOAD CASE	Max -ve	0.000	0.006	0.000	4.297
				Max +ve			0.001	-1.009
			2:LOAD CASE	Max -ve	0.000	0.241		
				Max +ve			0.000	-1.570
			3:COMBINATIC	Max -ve	0.000	0.186	0.000	2.045
				Max +ve			0.001	-1.935
202	90	0.001	1:LOAD CASE	Max -ve	0.000	0.005	0.000	1.198
				Max +ve			0.001	-4.108
			2:LOAD CASE	Max -ve	0.000	18.822		
				Max +ve			0.000	-0.006
			3:COMBINATIC	Max -ve	0.000	14.121	0.000	0.895
				Max +ve			0.001	-3.085

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)	
203	87	0.001	1:LOAD CASE	Max -ve			0.000	4.315	
				Max +ve	0.000	-0.006	0.001	-0.991	
			2:LOAD CASE	Max -ve			0.000		0.005
				Max +ve	0.000	-17.156			
			3:COMBINATIC	Max -ve			0.000		3.240
				Max +ve	0.000	-12.872	0.001		-0.740
204	88	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.001	0.001	-1.851	
			2:LOAD CASE	Max -ve			0.000		0.680
				Max +ve	0.000	-2.679			
			3:COMBINATIC	Max -ve			0.000		0.054
				Max +ve	0.000	-2.010	0.001		-0.879
205	89	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.001	0.001	-1.749	
			2:LOAD CASE	Max -ve					
				Max +ve	0.000	-2.611	0.000		-0.784
			3:COMBINATIC	Max -ve					
				Max +ve	0.000	-1.958	0.001		-1.899
206	88	0.001	1:LOAD CASE	Max -ve	0.000	0.003			
				Max +ve			0.001	-1.852	
			2:LOAD CASE	Max -ve	0.000	3.152	0.000		0.682
				Max +ve					
			3:COMBINATIC	Max -ve	0.000	2.366	0.000		0.056
				Max +ve				0.001	-0.877
207	89	0.001	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.000	0.001	-1.749	
			2:LOAD CASE	Max -ve	0.000	3.076			
				Max +ve			0.000		-0.787
			3:COMBINATIC	Max -ve	0.000	2.307			
				Max +ve				0.001	-1.902
208	94	0.001	1:LOAD CASE	Max -ve			0.000	1.897	
				Max +ve	0.000	-0.003			
			2:LOAD CASE	Max -ve					
				Max +ve	0.000	-2.427	0.000		-0.119
			3:COMBINATIC	Max -ve				0.000	1.333
				Max +ve	0.000	-1.822			
209	90	0.001	1:LOAD CASE	Max -ve	0.000	0.001			
				Max +ve			0.001	-1.790	
			2:LOAD CASE	Max -ve					
				Max +ve	0.000	-2.702	0.000		-0.114
			3:COMBINATIC	Max -ve					
				Max +ve	0.000	-2.026	0.001		-1.427
210	92	0.001	1:LOAD CASE	Max -ve	0.000	0.001	0.000	1.789	
				Max +ve					
			2:LOAD CASE	Max -ve	0.000	1.951			
				Max +ve			0.000		-0.122
			3:COMBINATIC	Max -ve	0.000	1.464	0.000		1.250
				Max +ve					
211	91	0.001	1:LOAD CASE	Max -ve	0.000	0.001			
				Max +ve			0.001	-1.691	
			2:LOAD CASE	Max -ve	0.000	2.160			
				Max +ve			0.000		-0.117
			3:COMBINATIC	Max -ve	0.000	1.621			
				Max +ve				0.001	-1.356
216	92	0.002	1:LOAD CASE	Max -ve					
				Max +ve	0.000	-0.346	0.000	-0.381	

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			2:LOAD CASE	Max -ve	0.000	0.202	0.000	0.110
				Max +ve				
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.108	0.000	-0.203
217	93	0.002	1:LOAD CASE	Max -ve			0.000	0.318
				Max +ve	0.000	-0.319		
			2:LOAD CASE	Max -ve			0.000	0.092
				Max +ve	0.000	-0.235		
			3:COMBINATIC	Max -ve			0.000	0.308
				Max +ve	0.000	-0.416		
218	94	0.002	1:LOAD CASE	Max -ve	0.000	0.346		
				Max +ve			0.000	-0.408
			2:LOAD CASE	Max -ve			0.000	0.103
				Max +ve	0.000	-0.197		
			3:COMBINATIC	Max -ve	0.000	0.111		
				Max +ve			0.000	-0.229
219	95	0.002	1:LOAD CASE	Max -ve	0.000	0.318	0.000	0.349
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.228	0.000	0.088
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.410	0.000	0.327
				Max +ve				
220	97	0.001	1:LOAD CASE	Max -ve			0.000	1.215
				Max +ve	0.000	-0.010	0.001	-4.092
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.018	0.000	-2.221
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.021	0.001	-4.735
221	96	0.001	1:LOAD CASE	Max -ve	0.000	0.010	0.000	4.298
				Max +ve			0.001	-1.009
			2:LOAD CASE	Max -ve	0.000	0.035		
				Max +ve			0.000	-2.559
			3:COMBINATIC	Max -ve	0.000	0.034	0.000	1.304
				Max +ve			0.001	-2.676
222	99	0.001	1:LOAD CASE	Max -ve	0.000	0.009	0.000	1.198
				Max +ve			0.001	-4.109
			2:LOAD CASE	Max -ve	0.000	38.665		
				Max +ve			0.000	-0.002
			3:COMBINATIC	Max -ve	0.000	29.006	0.000	0.897
				Max +ve			0.001	-3.083
223	96	0.001	1:LOAD CASE	Max -ve			0.000	4.316
				Max +ve	0.000	-0.010	0.001	-0.991
			2:LOAD CASE	Max -ve			0.000	0.001
				Max +ve	0.000	-39.783		
			3:COMBINATIC	Max -ve			0.000	3.238
				Max +ve	0.000	-29.844	0.001	-0.742
224	97	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.001	0.001	-1.852
			2:LOAD CASE	Max -ve			0.000	1.109
				Max +ve	0.000	-6.046		
			3:COMBINATIC	Max -ve			0.000	0.376
				Max +ve	0.000	-4.535	0.001	-0.557
225	98	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.002	0.001	-1.748
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-5.891	0.000	-1.278

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-4.420	0.001	-2.270
226	97	0.001	1:LOAD CASE	Max -ve	0.000	0.004		
				Max +ve			0.001	-1.852
			2:LOAD CASE	Max -ve	0.000	6.642	0.000	1.112
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	4.985	0.000	0.379
				Max +ve			0.001	-0.554
227	98	0.001	1:LOAD CASE	Max -ve	0.000	0.000		
				Max +ve			0.001	-1.749
			2:LOAD CASE	Max -ve	0.000	6.477		
				Max +ve			0.000	-1.282
			3:COMBINATIC	Max -ve	0.000	4.858		
				Max +ve			0.001	-2.273
228	103	0.001	1:LOAD CASE	Max -ve			0.000	1.897
				Max +ve	0.000	-0.003		
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-5.076	0.000	-0.097
			3:COMBINATIC	Max -ve			0.000	1.350
				Max +ve	0.000	-3.809		
229	99	0.001	1:LOAD CASE	Max -ve	0.000	0.002		
				Max +ve			0.001	-1.790
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-5.633	0.000	-0.095
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-4.223	0.001	-1.413
230	101	0.001	1:LOAD CASE	Max -ve			0.000	1.787
				Max +ve	0.000	-0.000		
			2:LOAD CASE	Max -ve	0.000	4.434		
				Max +ve			0.000	-0.099
			3:COMBINATIC	Max -ve	0.000	3.326	0.000	1.266
				Max +ve				
231	100	0.001	1:LOAD CASE	Max -ve	0.000	0.002		
				Max +ve			0.001	-1.692
			2:LOAD CASE	Max -ve	0.000	4.921		
				Max +ve			0.000	-0.098
			3:COMBINATIC	Max -ve	0.000	3.692		
				Max +ve			0.001	-1.343
236	101	0.002	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.349	0.000	-0.387
			2:LOAD CASE	Max -ve	0.000	0.302	0.000	0.093
				Max +ve				
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.035	0.000	-0.220
237	102	0.002	1:LOAD CASE	Max -ve			0.000	0.321
				Max +ve	0.000	-0.325		
			2:LOAD CASE	Max -ve			0.000	0.065
				Max +ve	0.000	-0.350		
			3:COMBINATIC	Max -ve			0.000	0.289
				Max +ve	0.000	-0.506		
238	103	0.002	1:LOAD CASE	Max -ve	0.000	0.348		
				Max +ve			0.000	-0.412
			2:LOAD CASE	Max -ve			0.000	0.085
				Max +ve	0.000	-0.291		
			3:COMBINATIC	Max -ve	0.000	0.043		
				Max +ve			0.000	-0.245

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
239	104	0.002	1:LOAD CASE	Max -ve	0.000	0.324	0.000	0.351
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.337	0.000	0.060
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.496	0.000	0.308
				Max +ve				
240	106	0.001	1:LOAD CASE	Max -ve			0.000	1.219
				Max +ve	0.000	-0.014	0.001	-4.088
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.243	0.000	-3.168
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.193	0.001	-5.442
241	105	0.001	1:LOAD CASE	Max -ve	0.000	0.015	0.000	4.293
				Max +ve			0.001	-1.014
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.194	0.000	-3.649
			3:COMBINATIC	Max -ve				0.483
				Max +ve	0.000	-0.134	0.001	-3.497
242	108	0.001	1:LOAD CASE	Max -ve	0.000	0.013	0.000	1.203
				Max +ve			0.001	-4.104
			2:LOAD CASE	Max -ve	0.000	70.102	0.000	0.001
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	52.586	0.000	0.903
				Max +ve			0.001	-3.077
243	105	0.001	1:LOAD CASE	Max -ve			0.000	4.311
				Max +ve	0.000	-0.015	0.001	-0.996
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-76.012	0.000	-0.003
			3:COMBINATIC	Max -ve				3.231
				Max +ve	0.000	-57.020	0.001	-0.749
244	106	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.001	0.001	-1.854
			2:LOAD CASE	Max -ve				1.582
				Max +ve	0.000	-11.438		
			3:COMBINATIC	Max -ve				0.729
				Max +ve	0.000	-8.579	0.001	-0.204
245	107	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.004	0.001	-1.751
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-11.140	0.000	-1.822
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-8.358	0.001	-2.680
246	106	0.001	1:LOAD CASE	Max -ve	0.000	0.005		
				Max +ve			0.001	-1.854
			2:LOAD CASE	Max -ve	0.000	12.167	0.000	1.586
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	9.129	0.000	0.733
				Max +ve			0.001	-0.200
247	107	0.001	1:LOAD CASE	Max -ve	0.000	0.001		
				Max +ve			0.001	-1.751
			2:LOAD CASE	Max -ve	0.000	11.859		
				Max +ve			0.000	-1.828
			3:COMBINATIC	Max -ve	0.000	8.895		
				Max +ve			0.001	-2.684
248	112	0.001	1:LOAD CASE	Max -ve			0.000	1.899
				Max +ve	0.000	-0.004		

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-9.261	0.000	-0.066
			3:COMBINATIC	Max -ve			0.000	1.375
				Max +ve	0.000	-6.949		
249	108	0.001	1:LOAD CASE	Max -ve	0.000	0.001		
				Max +ve			0.001	-1.792
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-10.268	0.000	-0.067
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-7.700	0.001	-1.394
250	110	0.001	1:LOAD CASE	Max -ve			0.000	1.790
				Max +ve	0.000	-0.001		
			2:LOAD CASE	Max -ve	0.000	8.420		
				Max +ve			0.000	-0.067
			3:COMBINATIC	Max -ve	0.000	6.315	0.000	1.292
				Max +ve				
251	109	0.001	1:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.001	-1.694
			2:LOAD CASE	Max -ve	0.000	9.348		
				Max +ve			0.000	-0.070
			3:COMBINATIC	Max -ve	0.000	7.014		
				Max +ve			0.001	-1.324
256	110	0.002	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.483	0.000	-0.531
			2:LOAD CASE	Max -ve	0.000	0.751		
				Max +ve			0.000	-0.039
			3:COMBINATIC	Max -ve	0.000	0.201		
				Max +ve			0.000	-0.427
257	111	0.002	1:LOAD CASE	Max -ve			0.000	0.448
				Max +ve	0.000	-0.452		
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.836	0.000	-0.097
			3:COMBINATIC	Max -ve			0.000	0.264
				Max +ve	0.000	-0.966		
258	112	0.002	1:LOAD CASE	Max -ve	0.000	0.483		
				Max +ve			0.000	-0.569
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.730	0.000	-0.039
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.185	0.000	-0.456
259	113	0.002	1:LOAD CASE	Max -ve	0.000	0.451	0.000	0.489
				Max +ve				
			2:LOAD CASE	Max -ve	0.000	0.831		
				Max +ve			0.000	-0.094
			3:COMBINATIC	Max -ve	0.000	0.961	0.000	0.296
				Max +ve				
260	115	0.001	1:LOAD CASE	Max -ve			0.000	1.162
				Max +ve	0.000	-0.020	0.001	-4.144
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.490	0.000	-3.987
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.382	0.001	-6.098
261	114	0.001	1:LOAD CASE	Max -ve	0.000	0.021	0.000	4.353
				Max +ve			0.001	-0.953
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.449	0.000	-4.578

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-0.321	0.001	-4.148
262	117	0.001	1:LOAD CASE	Max -ve	0.000	0.019	0.000	1.133
				Max +ve			0.001	-4.174
			2:LOAD CASE	Max -ve	0.000	113.998	0.000	0.004
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	85.512	0.000	0.853
				Max +ve			0.001	-3.127
263	114	0.001	1:LOAD CASE	Max -ve			0.000	4.384
				Max +ve	0.000	-0.021	0.001	-0.923
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-126.925	0.000	-0.007
			3:COMBINATIC	Max -ve			0.000	3.283
				Max +ve	0.000	-95.209	0.001	-0.697
264	115	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.001	0.001	-1.825
			2:LOAD CASE	Max -ve			0.000	1.989
				Max +ve	0.000	-18.858		
			3:COMBINATIC	Max -ve			0.000	1.056
				Max +ve	0.000	-14.144		
265	116	0.001	1:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.006	0.001	-1.721
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-18.376	0.000	-2.290
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-13.787	0.001	-3.008
266	115	0.001	1:LOAD CASE	Max -ve	0.000	0.006		
				Max +ve			0.001	-1.825
			2:LOAD CASE	Max -ve	0.000	19.723	0.000	1.998
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	14.796	0.000	1.062
				Max +ve				
267	116	0.001	1:LOAD CASE	Max -ve	0.000	0.002		
				Max +ve			0.001	-1.721
			2:LOAD CASE	Max -ve	0.000	19.210		
				Max +ve			0.000	-2.288
			3:COMBINATIC	Max -ve	0.000	14.409		
				Max +ve			0.001	-3.007
268	121	0.001	1:LOAD CASE	Max -ve			0.000	1.851
				Max +ve	0.000	-0.006		
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-15.278	0.000	-0.096
			3:COMBINATIC	Max -ve			0.000	1.316
				Max +ve	0.000	-11.463		
269	117	0.001	1:LOAD CASE	Max -ve	0.000	0.001		
				Max +ve			0.001	-1.770
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-16.889	0.000	-0.100
			3:COMBINATIC	Max -ve				
				Max +ve	0.000	-12.666	0.001	-1.403
270	119	0.001	1:LOAD CASE	Max -ve			0.000	1.741
				Max +ve	0.000	-0.001		
			2:LOAD CASE	Max -ve	0.000	14.208		
				Max +ve			0.000	-0.100
			3:COMBINATIC	Max -ve	0.000	10.655	0.000	1.231
				Max +ve				

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)			
271	118	0.001	1:LOAD CASE	Max -ve	0.000	0.005					
				Max +ve			0.001	-1.670			
						2:LOAD CASE	Max -ve	0.000	15.704		
							Max +ve			0.000	-0.107
						3:COMBINATIC	Max -ve	0.000	11.781		
							Max +ve			0.001	-1.332
272	11	0.002	1:LOAD CASE	Max -ve			0.000	0.742			
				Max +ve	0.000	-0.002	0.002	-0.727			
					2:LOAD CASE	Max -ve	0.000	0.018			
						Max +ve			0.000	-0.019	
					3:COMBINATIC	Max -ve	0.000	0.012	0.000	0.542	
						Max +ve			0.002	-0.560	
273	12	0.002	1:LOAD CASE	Max -ve	0.000	0.002	0.000	0.743			
				Max +ve			0.002	-0.727			
					2:LOAD CASE	Max -ve	0.000	0.017	0.000	0.019	
						Max +ve					
					3:COMBINATIC	Max -ve	0.000	0.014	0.000	0.571	
						Max +ve			0.002	-0.531	
274	13	0.002	1:LOAD CASE	Max -ve			0.000	0.743			
				Max +ve	0.000	-0.002	0.002	-0.727			
					2:LOAD CASE	Max -ve	0.000	0.003			
						Max +ve			0.000	-0.017	
					3:COMBINATIC	Max -ve	0.000	0.000	0.000	0.544	
						Max +ve			0.002	-0.558	
275	11	0.002	1:LOAD CASE	Max -ve	0.000	0.003	0.000	0.743			
				Max +ve			0.002	-0.727			
					2:LOAD CASE	Max -ve					
						Max +ve	0.000	-0.003	0.000	-0.017	
					3:COMBINATIC	Max -ve	0.000	0.000	0.000	0.544	
						Max +ve			0.002	-0.558	
276	13	0.002	1:LOAD CASE	Max -ve	0.000	0.002	0.000	0.743			
				Max +ve			0.002	-0.727			
					2:LOAD CASE	Max -ve					
						Max +ve	0.000	-0.018	0.000	-0.019	
					3:COMBINATIC	Max -ve			0.000	0.543	
						Max +ve	0.000	-0.012	0.002	-0.560	
277	14	0.002	1:LOAD CASE	Max -ve			0.000	0.743			
				Max +ve	0.000	-0.002	0.002	-0.726			
					2:LOAD CASE	Max -ve			0.000	0.019	
						Max +ve	0.000	-0.017			
					3:COMBINATIC	Max -ve			0.000	0.572	
						Max +ve	0.000	-0.014	0.002	-0.531	
278	14	0.002	1:LOAD CASE	Max -ve	0.000	0.002	0.000	0.742			
				Max +ve			0.002	-0.727			
					2:LOAD CASE	Max -ve	0.000	0.003	0.000	0.017	
						Max +ve					
					3:COMBINATIC	Max -ve	0.000	0.004	0.000	0.570	
						Max +ve			0.002	-0.532	
279	12	0.002	1:LOAD CASE	Max -ve			0.000	0.742			
				Max +ve	0.000	-0.002	0.002	-0.727			
					2:LOAD CASE	Max -ve			0.000	0.017	
						Max +ve	0.000	-0.003			
					3:COMBINATIC	Max -ve			0.000	0.570	
						Max +ve	0.000	-0.004	0.002	-0.532	
280	29	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738			
				Max +ve			0.002	-0.732			

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			2:LOAD CASE	Max -ve	0.000	0.030		
				Max +ve			0.000	-0.010
			3:COMBINATIC	Max -ve	0.000	0.026	0.000	0.546
				Max +ve			0.002	-0.556
281	20	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.030		
				Max +ve			0.000	-0.006
			3:COMBINATIC	Max -ve	0.000	0.019	0.000	0.549
				Max +ve			0.002	-0.553
282	32	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.010	0.000	-0.014
			3:COMBINATIC	Max -ve			0.000	0.544
				Max +ve	0.000	-0.010	0.002	-0.559
283	30	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.010		
				Max +ve			0.000	-0.014
			3:COMBINATIC	Max -ve	0.000	0.011	0.000	0.544
				Max +ve			0.002	-0.559
284	23	0.002	1:LOAD CASE	Max -ve			0.000	0.740
				Max +ve	0.000	-0.004	0.002	-0.730
			2:LOAD CASE	Max -ve			0.000	0.006
				Max +ve	0.000	-0.030		
			3:COMBINATIC	Max -ve			0.000	0.559
				Max +ve	0.000	-0.026	0.002	-0.543
285	22	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.030	0.000	-0.006
			3:COMBINATIC	Max -ve			0.000	0.549
				Max +ve	0.000	-0.020	0.002	-0.553
286	20	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.739
				Max +ve			0.002	-0.730
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.004	0.000	-0.013
			3:COMBINATIC	Max -ve	0.000	0.000	0.000	0.544
				Max +ve			0.002	-0.558
287	22	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.005	0.002	-0.730
			2:LOAD CASE	Max -ve	0.000	0.005		
				Max +ve			0.000	-0.013
			3:COMBINATIC	Max -ve			0.000	0.544
				Max +ve	0.000	-0.000	0.002	-0.558
288	38	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.732
			2:LOAD CASE	Max -ve	0.000	0.036		
				Max +ve			0.000	-0.009
			3:COMBINATIC	Max -ve	0.000	0.030	0.000	0.547
				Max +ve			0.002	-0.555
289	29	0.002	1:LOAD CASE	Max -ve			0.000	0.738
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.036		
				Max +ve			0.000	-0.006

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			3:COMBINATIC	Max -ve	0.000	0.024	0.000	0.549
				Max +ve			0.002	-0.553
290	41	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.004	0.000	-0.011
			3:COMBINATIC	Max -ve			0.000	0.546
				Max +ve	0.000	-0.006	0.002	-0.556
291	39	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.005		
				Max +ve			0.000	-0.011
			3:COMBINATIC	Max -ve	0.000	0.007	0.000	0.546
				Max +ve			0.002	-0.557
292	32	0.002	1:LOAD CASE	Max -ve			0.000	0.740
				Max +ve	0.000	-0.004	0.002	-0.730
			2:LOAD CASE	Max -ve			0.000	0.006
				Max +ve	0.000	-0.037		
			3:COMBINATIC	Max -ve			0.000	0.559
				Max +ve	0.000	-0.031	0.002	-0.543
293	31	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.037	0.000	-0.006
			3:COMBINATIC	Max -ve			0.000	0.549
				Max +ve	0.000	-0.024	0.002	-0.553
294	29	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.002		
				Max +ve			0.000	-0.011
			3:COMBINATIC	Max -ve	0.000	0.005	0.000	0.546
				Max +ve			0.002	-0.556
295	31	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.005	0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.002	0.000	-0.011
			3:COMBINATIC	Max -ve			0.000	0.546
				Max +ve	0.000	-0.005	0.002	-0.556
296	47	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.031		
				Max +ve			0.000	-0.008
			3:COMBINATIC	Max -ve	0.000	0.026	0.000	0.548
				Max +ve			0.002	-0.555
297	38	0.002	1:LOAD CASE	Max -ve			0.000	0.738
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.032		
				Max +ve			0.000	-0.005
			3:COMBINATIC	Max -ve	0.000	0.021	0.000	0.550
				Max +ve			0.002	-0.553
298	50	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.001		
				Max +ve			0.000	-0.009
			3:COMBINATIC	Max -ve			0.000	0.547
				Max +ve	0.000	-0.002	0.002	-0.555

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
299	48	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.001		
				Max +ve			0.000	-0.009
			3:COMBINATIC	Max -ve	0.000	0.004	0.000	0.547
				Max +ve			0.002	-0.555
300	41	0.002	1:LOAD CASE	Max -ve			0.000	0.740
				Max +ve	0.000	-0.004	0.002	-0.730
			2:LOAD CASE	Max -ve			0.000	0.006
				Max +ve	0.000	-0.034		
			3:COMBINATIC	Max -ve			0.000	0.559
				Max +ve	0.000	-0.028	0.002	-0.543
301	40	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.033	0.000	-0.006
			3:COMBINATIC	Max -ve			0.000	0.550
				Max +ve	0.000	-0.021	0.002	-0.553
302	38	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.006		
				Max +ve			0.000	-0.009
			3:COMBINATIC	Max -ve	0.000	0.008	0.000	0.547
				Max +ve			0.002	-0.555
303	40	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.005	0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.004	0.000	-0.009
			3:COMBINATIC	Max -ve			0.000	0.547
				Max +ve	0.000	-0.007	0.002	-0.555
304	47	0.002	1:LOAD CASE	Max -ve			0.000	0.738
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.025		
				Max +ve			0.000	-0.006
			3:COMBINATIC	Max -ve	0.000	0.016	0.000	0.549
				Max +ve			0.002	-0.553
305	48	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.740
				Max +ve			0.002	-0.730
			2:LOAD CASE	Max -ve	0.000	0.026	0.000	0.006
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.022	0.000	0.559
				Max +ve			0.002	-0.543
306	49	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.005	0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.005	0.000	-0.008
			3:COMBINATIC	Max -ve			0.000	0.548
				Max +ve	0.000	-0.007	0.002	-0.554
307	47	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.007		
				Max +ve			0.000	-0.008
			3:COMBINATIC	Max -ve	0.000	0.009	0.000	0.548
				Max +ve			0.002	-0.554
308	49	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.731

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.027	0.000	-0.006
			3:COMBINATIC	Max -ve			0.000	0.549
				Max +ve	0.000	-0.017	0.002	-0.553
309	50	0.002	1:LOAD CASE	Max -ve			0.000	0.740
				Max +ve	0.000	-0.004	0.002	-0.730
			2:LOAD CASE	Max -ve			0.000	0.006
				Max +ve	0.000	-0.028		
			3:COMBINATIC	Max -ve			0.000	0.559
				Max +ve	0.000	-0.024	0.002	-0.543
310	50	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve			0.000	0.008
				Max +ve	0.000	-0.005		
			3:COMBINATIC	Max -ve			0.000	0.561
				Max +ve	0.000	-0.001	0.002	-0.542
311	48	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.008	0.000	0.008
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.003	0.000	0.561
				Max +ve			0.002	-0.542
312	65	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.732
			2:LOAD CASE	Max -ve	0.000	0.014		
				Max +ve			0.000	-0.007
			3:COMBINATIC	Max -ve	0.000	0.013	0.000	0.549
				Max +ve			0.002	-0.554
313	56	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.014		
				Max +ve			0.000	-0.005
			3:COMBINATIC	Max -ve	0.000	0.007	0.000	0.550
				Max +ve			0.002	-0.552
314	68	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.000	-0.007
			3:COMBINATIC	Max -ve			0.000	0.549
				Max +ve	0.000	-0.001	0.002	-0.553
315	66	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.000	0.000	-0.007
			3:COMBINATIC	Max -ve	0.000	0.003	0.000	0.549
				Max +ve			0.002	-0.553
316	59	0.002	1:LOAD CASE	Max -ve			0.000	0.740
				Max +ve	0.000	-0.004	0.002	-0.730
			2:LOAD CASE	Max -ve			0.000	0.005
				Max +ve	0.000	-0.017		
			3:COMBINATIC	Max -ve			0.000	0.558
				Max +ve	0.000	-0.016	0.002	-0.544
317	58	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.017	0.000	-0.005

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			3:COMBINATIC	Max -ve			0.000	0.550
				Max +ve	0.000	-0.009	0.002	-0.552
318	56	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.739
				Max +ve			0.002	-0.730
			2:LOAD CASE	Max -ve	0.000	0.005		
				Max +ve			0.000	-0.007
			3:COMBINATIC	Max -ve	0.000	0.007	0.000	0.549
				Max +ve			0.002	-0.553
319	58	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.005	0.002	-0.730
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.002	0.000	-0.007
			3:COMBINATIC	Max -ve			0.000	0.549
				Max +ve	0.000	-0.005	0.002	-0.553
320	74	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.732
			2:LOAD CASE	Max -ve	0.000	0.008		
				Max +ve			0.000	-0.006
			3:COMBINATIC	Max -ve	0.000	0.009	0.000	0.549
				Max +ve			0.002	-0.553
321	65	0.002	1:LOAD CASE	Max -ve			0.000	0.738
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.008		
				Max +ve			0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	0.003	0.000	0.550
				Max +ve			0.002	-0.552
322	77	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.001		
				Max +ve			0.000	-0.006
			3:COMBINATIC	Max -ve			0.000	0.550
				Max +ve	0.000	-0.002	0.002	-0.552
323	75	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.000	-0.006
			3:COMBINATIC	Max -ve	0.000	0.005	0.000	0.550
				Max +ve			0.002	-0.552
324	68	0.002	1:LOAD CASE	Max -ve			0.000	0.740
				Max +ve	0.000	-0.004	0.002	-0.730
			2:LOAD CASE	Max -ve			0.000	0.004
				Max +ve	0.000	-0.012		
			3:COMBINATIC	Max -ve			0.000	0.558
				Max +ve	0.000	-0.012	0.002	-0.544
325	67	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.012	0.000	-0.004
			3:COMBINATIC	Max -ve			0.000	0.550
				Max +ve	0.000	-0.006	0.002	-0.552
326	65	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.003		
				Max +ve			0.000	-0.005
			3:COMBINATIC	Max -ve	0.000	0.006	0.000	0.550
				Max +ve			0.002	-0.552

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
327	67	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.005	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.002		
				Max +ve			0.000	-0.005
			3:COMBINATIC	Max -ve		0.000	0.000	0.550
				Max +ve	0.000	-0.002	0.002	-0.552
328	83	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.010		
				Max +ve			0.000	-0.005
			3:COMBINATIC	Max -ve	0.000	0.011	0.000	0.550
				Max +ve			0.002	-0.552
329	74	0.002	1:LOAD CASE	Max -ve			0.000	0.738
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.010		
				Max +ve			0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	0.004	0.000	0.551
				Max +ve			0.002	-0.552
330	86	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.003	0.000	-0.004
			3:COMBINATIC	Max -ve			0.000	0.551
				Max +ve	0.000	-0.006	0.002	-0.551
331	84	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.009		
				Max +ve			0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	0.010	0.000	0.551
				Max +ve			0.002	-0.551
332	77	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.730
			2:LOAD CASE	Max -ve			0.000	0.004
				Max +ve	0.000	-0.015		
			3:COMBINATIC	Max -ve			0.000	0.558
				Max +ve	0.000	-0.014	0.002	-0.545
333	76	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.015	0.000	-0.004
			3:COMBINATIC	Max -ve			0.000	0.551
				Max +ve	0.000	-0.008	0.002	-0.552
334	74	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.001	0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	0.003	0.000	0.551
				Max +ve			0.002	-0.551
335	76	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.005	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.007		
				Max +ve			0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	0.001	0.000	0.551
				Max +ve			0.002	-0.551
336	83	0.002	1:LOAD CASE	Max -ve			0.000	0.738
				Max +ve	0.000	-0.004	0.002	-0.731

Beam Maximum Shear Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			2:LOAD CASE	Max -ve	0.000	0.024		
				Max +ve			0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	0.015	0.000	0.550
				Max +ve			0.002	-0.552
337	84	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.740
				Max +ve			0.002	-0.730
			2:LOAD CASE	Max -ve	0.000	0.024	0.000	0.004
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.021	0.000	0.558
				Max +ve			0.002	-0.544
338	85	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.005	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.013		
				Max +ve			0.000	-0.003
			3:COMBINATIC	Max -ve	0.000	0.006	0.000	0.552
				Max +ve			0.002	-0.550
339	83	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.004	0.000	-0.003
			3:COMBINATIC	Max -ve	0.000	0.000	0.000	0.552
				Max +ve			0.002	-0.550
340	85	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.032	0.000	-0.004
			3:COMBINATIC	Max -ve			0.000	0.550
				Max +ve	0.000	-0.021	0.002	-0.552
341	86	0.002	1:LOAD CASE	Max -ve			0.000	0.740
				Max +ve	0.000	-0.004	0.002	-0.730
			2:LOAD CASE	Max -ve			0.000	0.004
				Max +ve	0.000	-0.031		
			3:COMBINATIC	Max -ve			0.000	0.558
				Max +ve	0.000	-0.026	0.002	-0.544
342	86	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.014	0.000	0.003
				Max +ve				
			3:COMBINATIC	Max -ve	0.000	0.013	0.000	0.557
				Max +ve			0.002	-0.546
343	84	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve			0.000	0.003
				Max +ve	0.000	-0.005		
			3:COMBINATIC	Max -ve			0.000	0.557
				Max +ve	0.000	-0.007	0.002	-0.546
344	101	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.732
			2:LOAD CASE	Max -ve	0.000	0.055		
				Max +ve			0.000	-0.003
			3:COMBINATIC	Max -ve	0.000	0.044	0.000	0.551
				Max +ve			0.002	-0.551
345	92	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.052		
				Max +ve			0.000	-0.003

Beam Maximum Shear Forces Cont...

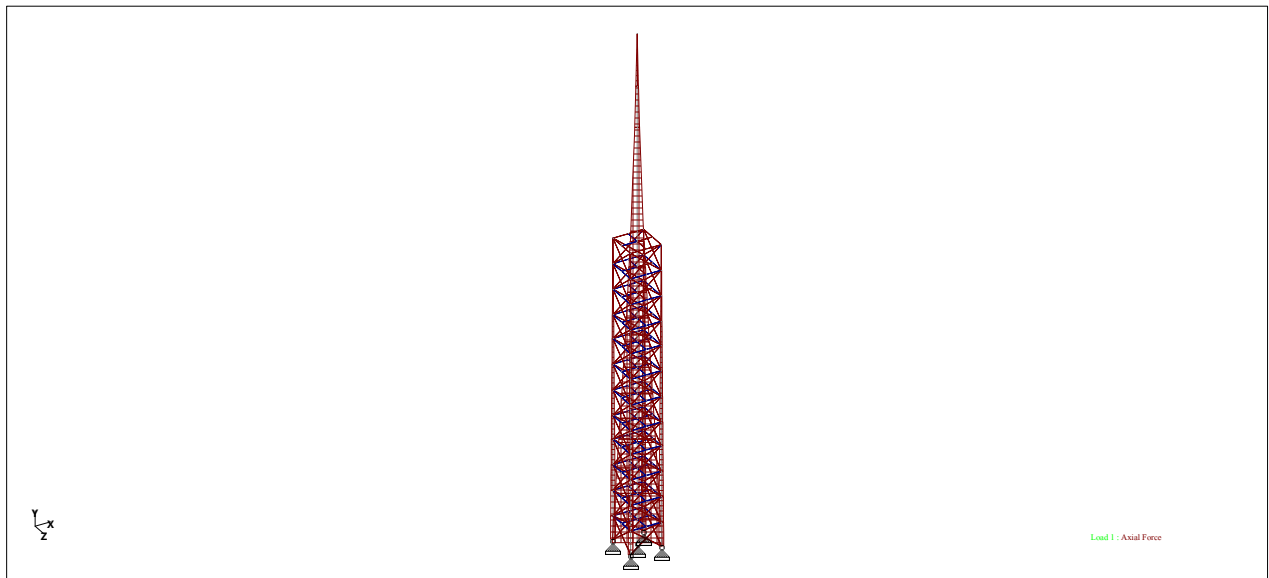
Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			3:COMBINATIC	Max -ve	0.000	0.036	0.000	0.551
				Max +ve			0.002	-0.551
346	104	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.025	0.000	-0.003
			3:COMBINATIC	Max -ve			0.000	0.552
				Max +ve	0.000	-0.022	0.002	-0.551
347	102	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.035		
				Max +ve			0.000	-0.003
			3:COMBINATIC	Max -ve	0.000	0.029	0.000	0.552
				Max +ve			0.002	-0.551
348	95	0.002	1:LOAD CASE	Max -ve			0.000	0.740
				Max +ve	0.000	-0.004	0.002	-0.730
			2:LOAD CASE	Max -ve			0.000	0.003
				Max +ve	0.000	-0.060		
			3:COMBINATIC	Max -ve			0.000	0.557
				Max +ve	0.000	-0.048	0.002	-0.545
349	94	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.061	0.000	-0.003
			3:COMBINATIC	Max -ve			0.000	0.551
				Max +ve	0.000	-0.043	0.002	-0.551
350	92	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.011	0.000	-0.002
			3:COMBINATIC	Max -ve			0.000	0.553
				Max +ve	0.000	-0.004	0.002	-0.550
351	94	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.005	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.021		
				Max +ve			0.000	-0.002
			3:COMBINATIC	Max -ve	0.000	0.012	0.000	0.553
				Max +ve			0.002	-0.550
352	110	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.110		
				Max +ve			0.000	-0.002
			3:COMBINATIC	Max -ve	0.000	0.086	0.000	0.552
				Max +ve			0.002	-0.550
353	101	0.002	1:LOAD CASE	Max -ve			0.000	0.738
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.107		
				Max +ve			0.000	-0.003
			3:COMBINATIC	Max -ve	0.000	0.077	0.000	0.552
				Max +ve			0.002	-0.551
354	113	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.044	0.000	-0.002
			3:COMBINATIC	Max -ve			0.000	0.552
				Max +ve	0.000	-0.036	0.002	-0.550

Beam Maximum Shear Forces Cont...

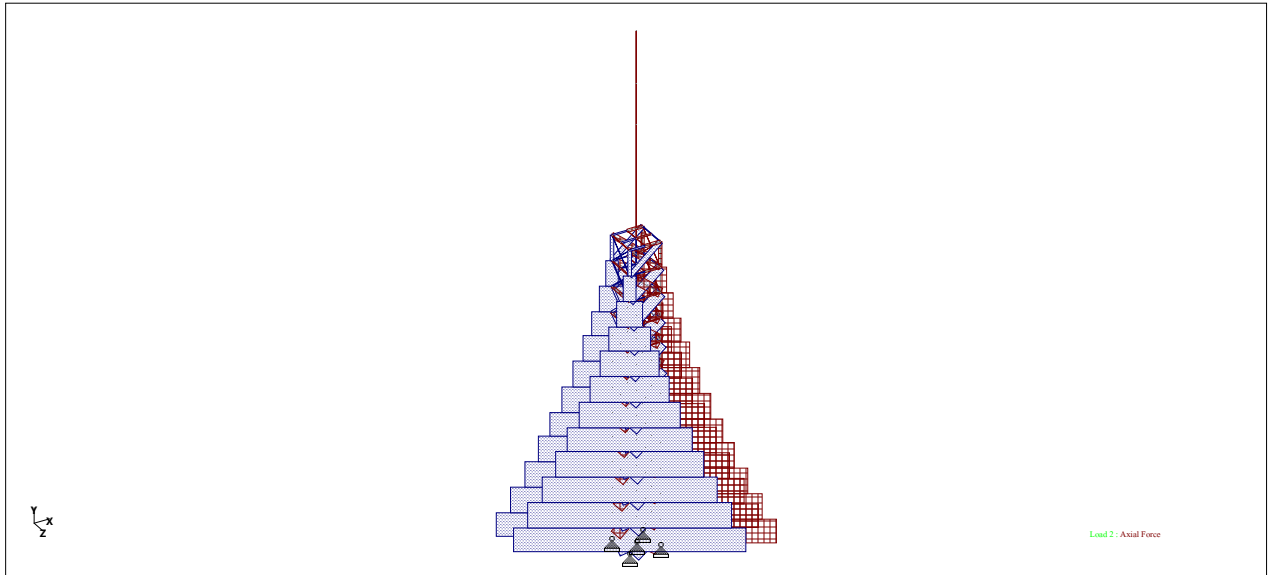
Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
355	111	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.056		
				Max +ve			0.000	-0.003
			3:COMBINATIC	Max -ve	0.000	0.045	0.000	0.552
				Max +ve			0.002	-0.550
356	104	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.004	0.002	-0.730
			2:LOAD CASE	Max -ve			0.000	0.002
				Max +ve	0.000	-0.116		
			3:COMBINATIC	Max -ve			0.000	0.556
				Max +ve	0.000	-0.090	0.002	-0.546
357	103	0.002	1:LOAD CASE	Max -ve	0.000	0.004	0.000	0.738
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.117	0.000	-0.003
			3:COMBINATIC	Max -ve			0.000	0.552
				Max +ve	0.000	-0.085	0.002	-0.551
358	101	0.002	1:LOAD CASE	Max -ve	0.000	0.005	0.000	0.739
				Max +ve			0.002	-0.731
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.016	0.000	-0.001
			3:COMBINATIC	Max -ve			0.000	0.553
				Max +ve	0.000	-0.008	0.002	-0.549
359	103	0.002	1:LOAD CASE	Max -ve			0.000	0.739
				Max +ve	0.000	-0.005	0.002	-0.731
			2:LOAD CASE	Max -ve	0.000	0.028		
				Max +ve			0.000	-0.001
			3:COMBINATIC	Max -ve	0.000	0.018	0.000	0.553
				Max +ve			0.002	-0.549
360	119	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.735
				Max +ve			0.002	-0.735
			2:LOAD CASE	Max -ve	0.000	0.191		
				Max +ve			0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	0.148	0.000	0.548
				Max +ve			0.002	-0.554
361	110	0.002	1:LOAD CASE	Max -ve			0.000	0.741
				Max +ve	0.000	-0.006	0.002	-0.729
			2:LOAD CASE	Max -ve	0.000	0.186		
				Max +ve			0.000	-0.004
			3:COMBINATIC	Max -ve	0.000	0.135	0.000	0.553
				Max +ve			0.002	-0.550
362	122	0.002	1:LOAD CASE	Max -ve			0.000	0.736
				Max +ve	0.000	-0.006	0.002	-0.734
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.069	0.000	-0.011
			3:COMBINATIC	Max -ve			0.000	0.543
				Max +ve	0.000	-0.056	0.002	-0.559
363	120	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.736
				Max +ve			0.002	-0.734
			2:LOAD CASE	Max -ve	0.000	0.083		
				Max +ve			0.000	-0.011
			3:COMBINATIC	Max -ve	0.000	0.067	0.000	0.543
				Max +ve			0.002	-0.559
364	113	0.002	1:LOAD CASE	Max -ve			0.000	0.743
				Max +ve	0.000	-0.006	0.002	-0.727

Beam Maximum Shear Forces Cont...

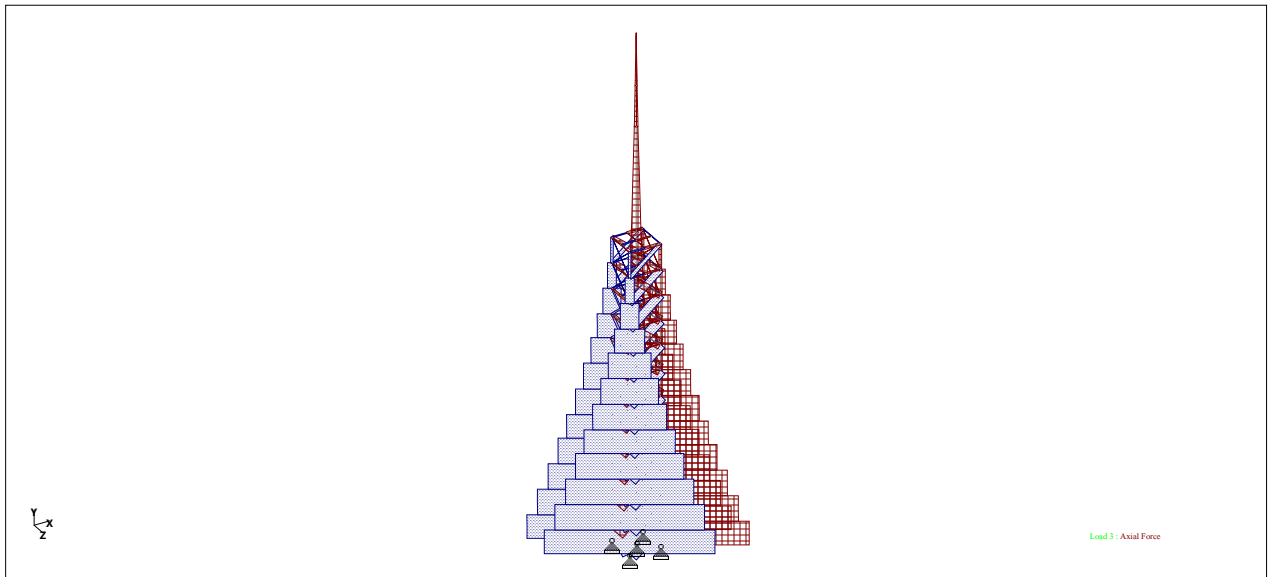
Beam	Node A	Length (km)	L/C		d (km)	Max Fz (kg)	d (km)	Max Fy (kg)
			2:LOAD CASE	Max -ve			0.000	0.003
				Max +ve	0.000	-0.197		
			3:COMBINATIC	Max -ve			0.000	0.559
				Max +ve	0.000	-0.152	0.002	-0.543
365	112	0.002	1:LOAD CASE	Max -ve	0.000	0.006	0.000	0.741
				Max +ve			0.002	-0.729
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.199	0.000	-0.004
			3:COMBINATIC	Max -ve			0.000	0.553
				Max +ve	0.000	-0.145	0.002	-0.549
366	110	0.002	1:LOAD CASE	Max -ve	0.000	0.007	0.000	0.742
				Max +ve			0.002	-0.728
			2:LOAD CASE	Max -ve				
				Max +ve	0.000	-0.022	0.000	-0.007
			3:COMBINATIC	Max -ve			0.000	0.551
				Max +ve	0.000	-0.011	0.002	-0.551
367	112	0.002	1:LOAD CASE	Max -ve			0.000	0.742
				Max +ve	0.000	-0.007	0.002	-0.728
			2:LOAD CASE	Max -ve	0.000	0.036		
				Max +ve			0.000	-0.007
			3:COMBINATIC	Max -ve	0.000	0.022	0.000	0.551
				Max +ve			0.002	-0.552
368	6	0.003	1:LOAD CASE	Max -ve			0.000	0.000
				Max +ve	0.000	-0.000		
			2:LOAD CASE	Max -ve			0.000	85.050
				Max +ve	0.000	-0.000		
			3:COMBINATIC	Max -ve			0.000	63.788
				Max +ve	0.000	-0.000		



axial dl (Input data was modified after picture taken)



axial wl (Input data was modified after picture taken)



axial dl+wl (Input data was modified after picture taken)

Beam Maximum Axial Forces

Distances to maxima are given from beam end A.

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
1	1	0.001	1:LOAD CASE	Max -ve	0.000	1.26E+3
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.847
			3:COMBINATIC	Max -ve	0.000	947.199
				Max +ve		
2	2	0.001	1:LOAD CASE	Max -ve	0.000	928.901
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.708
			3:COMBINATIC	Max -ve	0.000	695.394
				Max +ve		
3	3	0.001	1:LOAD CASE	Max -ve	0.000	592.789
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.621

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			3:COMBINATIC	Max -ve	0.000	443.376
				Max +ve		
4	4	0.006	1:LOAD CASE	Max -ve	0.000	323.411
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	0.000
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	242.559
				Max +ve		
5	5	0.002	1:LOAD CASE	Max -ve	0.000	121.512
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	0.000
				Max +ve	0.000	0.000
			3:COMBINATIC	Max -ve	0.000	91.134
				Max +ve		
18	15	0.002	1:LOAD CASE	Max -ve	0.000	1.19E+3
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.716
			3:COMBINATIC	Max -ve	0.000	888.810
				Max +ve		
23	11	0.001	1:LOAD CASE	Max -ve	0.000	121.844
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.91E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.001	-4.34E+3
24	12	0.001	1:LOAD CASE	Max -ve	0.000	121.779
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	5.91E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	4.52E+3
				Max +ve		
25	13	0.001	1:LOAD CASE	Max -ve	0.000	121.901
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.88E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.001	-4.33E+3
26	14	0.001	1:LOAD CASE	Max -ve	0.000	121.821
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	5.88E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	4.5E+3
				Max +ve		
27	16	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.009
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-4.139
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-3.110
28	15	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.008
			2:LOAD CASE	Max -ve	0.000	4.046
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	3.029
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
29	18	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.008
			2:LOAD CASE	Max -ve	0.000	0.170
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.121
				Max +ve		
30	15	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.008
			2:LOAD CASE	Max -ve	0.000	0.156
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.111
				Max +ve		
31	16	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-15.274
			2:LOAD CASE	Max -ve	0.000	731.871
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	537.447
				Max +ve		
32	17	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-15.260
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-731.543
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-560.102
33	16	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-15.274
			2:LOAD CASE	Max -ve	0.000	732.843
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	538.177
				Max +ve		
34	17	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-15.259
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-732.700
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-560.969
35	22	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-15.286
			2:LOAD CASE	Max -ve	0.000	5.835
				Max +ve		
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-7.088
36	18	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-15.287
			2:LOAD CASE	Max -ve	0.000	18.775
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	2.616
				Max +ve		
37	20	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-15.270
			2:LOAD CASE	Max -ve	0.000	5.908
				Max +ve		
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-7.021
38	19	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-15.271

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			2:LOAD CASE	Max -ve	0.000	18.780
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	2.632
				Max +ve		
39	24	0.001	1:LOAD CASE	Max -ve	0.000	1.1E+3
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.670
			3:COMBINATIC	Max -ve	0.000	826.697
				Max +ve		
44	20	0.002	1:LOAD CASE	Max -ve	0.000	112.541
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.19E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-3.81E+3
45	21	0.002	1:LOAD CASE	Max -ve	0.000	112.506
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	5.18E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	3.97E+3
				Max +ve		
46	22	0.002	1:LOAD CASE	Max -ve	0.000	112.599
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.16E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-3.79E+3
47	23	0.002	1:LOAD CASE	Max -ve	0.000	112.548
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	5.16E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	3.96E+3
				Max +ve		
48	25	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.007
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.974
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-4.486
49	24	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.006
			2:LOAD CASE	Max -ve	0.000	5.834
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	4.371
				Max +ve		
50	27	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.007
			2:LOAD CASE	Max -ve	0.000	0.249
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.182
				Max +ve		
51	24	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.007
			2:LOAD CASE	Max -ve	0.000	0.227
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			3:COMBINATIC	Max -ve	0.000	0.165
				Max +ve		
52	25	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-12.874
			2:LOAD CASE	Max -ve	0.000	588.911
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	432.028
				Max +ve		
53	26	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-12.878
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-588.507
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-451.038
54	25	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-12.873
			2:LOAD CASE	Max -ve	0.000	589.859
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	432.740
				Max +ve		
55	26	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-12.876
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-589.609
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-451.864
56	31	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-12.872
			2:LOAD CASE	Max -ve	0.000	2.097
				Max +ve		
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-8.081
57	27	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-12.873
			2:LOAD CASE	Max -ve	0.000	20.276
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	5.552
				Max +ve		
58	29	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-12.870
			2:LOAD CASE	Max -ve	0.000	1.795
				Max +ve		
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-8.306
59	28	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-12.872
			2:LOAD CASE	Max -ve	0.000	20.718
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	5.885
				Max +ve		
60	33	0.002	1:LOAD CASE	Max -ve	0.000	1.02E+3
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.676
			3:COMBINATIC	Max -ve	0.000	764.529
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
65	29	0.001	1:LOAD CASE	Max -ve	0.000	101.920
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-4.45E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.001	-3.27E+3
				Max +ve		
66	30	0.001	1:LOAD CASE	Max -ve	0.000	101.882
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	4.45E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	3.41E+3
				Max +ve		
67	31	0.001	1:LOAD CASE	Max -ve	0.000	101.988
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-4.43E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.001	-3.25E+3
				Max +ve		
68	32	0.001	1:LOAD CASE	Max -ve	0.000	101.927
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	4.43E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	3.4E+3
				Max +ve		
69	34	0.001	1:LOAD CASE	Max -ve	0.000	-0.007
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-5.838
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	-4.384
				Max +ve		
70	33	0.001	1:LOAD CASE	Max -ve	0.000	-0.006
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	5.701
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	4.272
				Max +ve		
71	36	0.001	1:LOAD CASE	Max -ve	0.000	-0.006
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	0.249
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.182
				Max +ve		
72	33	0.001	1:LOAD CASE	Max -ve	0.000	-0.007
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	0.219
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.159
				Max +ve		
73	34	0.001	1:LOAD CASE	Max -ve	0.000	-11.722
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	508.450
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	372.546
				Max +ve		
74	35	0.001	1:LOAD CASE	Max -ve	0.000	-11.724
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-508.083
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-389.855
75	34	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-11.721
			2:LOAD CASE	Max -ve	0.000	509.355
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	373.225
				Max +ve		
76	35	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-11.722
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-509.115
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-390.628
77	40	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-11.720
			2:LOAD CASE	Max -ve	0.000	2.377
				Max +ve		
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-7.007
78	36	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-11.722
			2:LOAD CASE	Max -ve	0.000	20.230
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	6.381
				Max +ve		
79	38	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-11.717
			2:LOAD CASE	Max -ve	0.000	2.196
				Max +ve		
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-7.141
80	37	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-11.719
			2:LOAD CASE	Max -ve	0.000	20.577
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	6.643
				Max +ve		
81	42	0.000	1:LOAD CASE	Max -ve	0.000	938.157
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.708
			3:COMBINATIC	Max -ve	0.000	702.336
				Max +ve		
86	38	0.002	1:LOAD CASE	Max -ve	0.000	91.440
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.77E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-2.76E+3
87	39	0.002	1:LOAD CASE	Max -ve	0.000	91.394
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	3.76E+3
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			3:COMBINATIC	Max -ve	0.000	2.89E+3
				Max +ve		
88	40	0.002	1:LOAD CASE	Max -ve	0.000	91.523
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.74E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-2.74E+3
89	41	0.002	1:LOAD CASE	Max -ve	0.000	91.449
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	3.74E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	2.87E+3
				Max +ve		
90	43	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.006
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-4.602
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-3.456
91	42	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.005
			2:LOAD CASE	Max -ve	0.000	4.503
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	3.374
				Max +ve		
92	45	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.005
			2:LOAD CASE	Max -ve	0.000	0.201
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.147
				Max +ve		
93	42	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.006
			2:LOAD CASE	Max -ve	0.000	0.161
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.116
				Max +ve		
94	43	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-10.034
			2:LOAD CASE	Max -ve	0.000	407.447
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	298.060
				Max +ve		
95	44	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-10.024
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-407.091
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-312.836
96	43	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-10.032
			2:LOAD CASE	Max -ve	0.000	408.287
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	298.691
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
97	44	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-10.022
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-408.037
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-313.544
98	49	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-10.037
			2:LOAD CASE	Max -ve	0.000	3.953
				Max +ve		
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-4.563
99	45	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-10.038
			2:LOAD CASE	Max -ve	0.000	18.351
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	6.234
				Max +ve		
100	47	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-10.025
			2:LOAD CASE	Max -ve	0.000	4.178
				Max +ve		
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-4.385
101	46	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-10.027
			2:LOAD CASE	Max -ve	0.000	18.284
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	6.193
				Max +ve		
102	51	0.001	1:LOAD CASE	Max -ve	0.000	860.101
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.743
			3:COMBINATIC	Max -ve	0.000	643.768
				Max +ve		
103	60	0.002	1:LOAD CASE	Max -ve	0.000	777.171
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.754
			3:COMBINATIC	Max -ve	0.000	581.562
				Max +ve		
104	69	0.002	1:LOAD CASE	Max -ve	0.000	693.351
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.720
			3:COMBINATIC	Max -ve	0.000	518.723
				Max +ve		
105	78	0.000	1:LOAD CASE	Max -ve	0.000	610.420
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.621
			3:COMBINATIC	Max -ve	0.000	456.599
				Max +ve		
111	47	0.001	1:LOAD CASE	Max -ve	0.000	82.425
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.18E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.001	-2.32E+3
112	48	0.001	1:LOAD CASE	Max -ve	0.000	82.360
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	3.17E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	2.44E+3
				Max +ve		
113	49	0.001	1:LOAD CASE	Max -ve	0.000	82.521
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.15E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.001	-2.31E+3
114	50	0.001	1:LOAD CASE	Max -ve	0.000	82.429
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	3.15E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	2.43E+3
				Max +ve		
115	52	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.005
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.125
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-2.347
116	51	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.005
			2:LOAD CASE	Max -ve	0.000	3.053
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	2.286
				Max +ve		
117	54	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.004
			2:LOAD CASE	Max -ve	0.000	0.148
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.108
				Max +ve		
118	51	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.005
			2:LOAD CASE	Max -ve	0.000	0.104
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.074
				Max +ve		
119	52	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-8.682
			2:LOAD CASE	Max -ve	0.000	333.526
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	243.633
				Max +ve		
120	53	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-8.675
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-333.066

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-256.306
121	52	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-8.681
			2:LOAD CASE	Max -ve	0.000	334.287
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	244.204
				Max +ve		
122	53	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-8.673
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-333.917
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-256.943
123	58	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-8.677
			2:LOAD CASE	Max -ve	0.000	5.153
				Max +ve		
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-2.643
124	54	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-8.678
			2:LOAD CASE	Max -ve	0.000	15.452
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	5.080
				Max +ve		
125	56	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-8.669
			2:LOAD CASE	Max -ve	0.000	5.860
				Max +ve		
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-2.107
126	55	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-8.671
			2:LOAD CASE	Max -ve	0.000	14.895
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	4.668
				Max +ve		
131	56	0.001	1:LOAD CASE	Max -ve	0.000	70.958
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.57E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.001	-1.88E+3
132	57	0.001	1:LOAD CASE	Max -ve	0.000	70.885
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	2.57E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	1.98E+3
				Max +ve		
133	58	0.001	1:LOAD CASE	Max -ve	0.000	71.061
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.55E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.001	-1.86E+3

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
134	59	0.001	1:LOAD CASE	Max -ve	0.000	70.963
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	2.54E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	1.96E+3
				Max +ve		
135	61	0.001	1:LOAD CASE	Max -ve	0.000	-0.005
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-1.797
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	-1.351
				Max +ve		
136	60	0.001	1:LOAD CASE	Max -ve	0.000	-0.003
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	1.767
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	1.323
				Max +ve		
137	63	0.001	1:LOAD CASE	Max -ve	0.000	-0.005
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	0.097
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.069
				Max +ve		
138	60	0.001	1:LOAD CASE	Max -ve	0.000	-0.004
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	0.049
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.034
				Max +ve		
139	61	0.001	1:LOAD CASE	Max -ve	0.000	-7.966
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	284.967
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	207.751
				Max +ve		
140	62	0.001	1:LOAD CASE	Max -ve	0.000	-7.963
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-284.248
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	-219.159
				Max +ve		
141	61	0.001	1:LOAD CASE	Max -ve	0.000	-7.966
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	285.620
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	208.240
				Max +ve		
142	62	0.001	1:LOAD CASE	Max -ve	0.000	-7.963
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-284.978
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	-219.706
				Max +ve		
143	67	0.001	1:LOAD CASE	Max -ve	0.000	-7.966
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			2:LOAD CASE	Max -ve	0.000	15.577
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	5.708
				Max +ve		
144	63	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-7.967
			2:LOAD CASE	Max -ve	0.000	22.251
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	10.713
				Max +ve		
145	65	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-7.958
			2:LOAD CASE	Max -ve	0.000	16.771
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	6.610
				Max +ve		
146	64	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-7.959
			2:LOAD CASE	Max -ve	0.000	21.199
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	9.931
				Max +ve		
151	65	0.002	1:LOAD CASE	Max -ve	0.000	60.442
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.01E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-1.47E+3
152	66	0.002	1:LOAD CASE	Max -ve	0.000	60.355
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	2E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	1.55E+3
				Max +ve		
153	67	0.002	1:LOAD CASE	Max -ve	0.000	60.563
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.98E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-1.45E+3
154	68	0.002	1:LOAD CASE	Max -ve	0.000	60.450
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	1.98E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	1.53E+3
				Max +ve		
155	70	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.005
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.426
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-1.073
156	69	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.002
			2:LOAD CASE	Max -ve	0.000	1.404
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			3:COMBINATIC	Max -ve	0.000	1.051
				Max +ve		
157	72	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.005
			2:LOAD CASE	Max -ve	0.000	0.085
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.061
				Max +ve		
158	69	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.003
			2:LOAD CASE	Max -ve	0.000	0.032
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.022
				Max +ve		
159	70	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-6.645
			2:LOAD CASE	Max -ve	0.000	216.960
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	157.736
				Max +ve		
160	71	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-6.640
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-216.156
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-167.097
161	70	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-6.647
			2:LOAD CASE	Max -ve	0.000	217.476
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	158.122
				Max +ve		
162	71	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-6.641
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-216.741
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-167.536
163	76	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-6.647
			2:LOAD CASE	Max -ve	0.000	15.194
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	6.411
				Max +ve		
164	72	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-6.646
			2:LOAD CASE	Max -ve	0.000	20.992
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	10.760
				Max +ve		
165	74	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-6.636
			2:LOAD CASE	Max -ve	0.000	16.670
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	7.525
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
166	73	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-6.636
			2:LOAD CASE	Max -ve	0.000	19.629
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	9.745
				Max +ve		
171	74	0.002	1:LOAD CASE	Max -ve	0.000	50.119
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.5E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-1.09E+3
172	75	0.002	1:LOAD CASE	Max -ve	0.000	50.015
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	1.49E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	1.16E+3
				Max +ve		
173	76	0.002	1:LOAD CASE	Max -ve	0.000	50.257
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.47E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-1.07E+3
174	77	0.002	1:LOAD CASE	Max -ve	0.000	50.128
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	1.47E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	1.14E+3
				Max +ve		
175	79	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.004
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.620
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-1.969
176	78	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.001
			2:LOAD CASE	Max -ve	0.000	2.570
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	1.927
				Max +ve		
177	81	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.004
			2:LOAD CASE	Max -ve	0.000	0.137
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.100
				Max +ve		
178	78	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.002
			2:LOAD CASE	Max -ve	0.000	0.076
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.056
				Max +ve		
179	79	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.158

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			2:LOAD CASE	Max -ve	0.000	150.183
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	108.769
				Max +ve		
180	80	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.142
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-149.472
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-115.960
181	79	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.161
			2:LOAD CASE	Max -ve	0.000	150.537
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	109.032
				Max +ve		
182	80	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.145
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-149.888
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-116.275
183	85	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.165
			2:LOAD CASE	Max -ve	0.000	13.090
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	5.944
				Max +ve		
184	81	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.162
			2:LOAD CASE	Max -ve	0.000	22.504
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	13.007
				Max +ve		
185	83	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.147
			2:LOAD CASE	Max -ve	0.000	14.495
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	7.010
				Max +ve		
186	82	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.145
			2:LOAD CASE	Max -ve	0.000	21.177
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	12.024
				Max +ve		
187	87	0.002	1:LOAD CASE	Max -ve	0.000	542.878
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.423
			3:COMBINATIC	Max -ve	0.000	406.092
				Max +ve		
188	96	0.002	1:LOAD CASE	Max -ve	0.000	476.416
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.088

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			3:COMBINATIC	Max -ve	0.000	356.496
				Max +ve		
189	105	0.002	1:LOAD CASE	Max -ve	0.000	409.973
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.602
			3:COMBINATIC	Max -ve	0.000	307.028
				Max +ve		
190	114	0.001	1:LOAD CASE	Max -ve	0.000	343.270
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	0.000
				Max +ve	0.000	0.000
			3:COMBINATIC	Max -ve	0.000	257.453
				Max +ve		
196	83	0.001	1:LOAD CASE	Max -ve	0.000	40.320
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.06E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.001	-768.981
197	84	0.001	1:LOAD CASE	Max -ve	0.000	40.196
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	1.06E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	821.442
				Max +ve		
198	85	0.001	1:LOAD CASE	Max -ve	0.000	40.466
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.04E+3
			3:COMBINATIC	Max -ve		
				Max +ve	0.001	-750.368
199	86	0.001	1:LOAD CASE	Max -ve	0.000	40.325
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	1.03E+3
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	803.464
				Max +ve		
200	88	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.004
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-5.831
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-4.376
201	87	0.001	1:LOAD CASE	Max -ve	0.000	0.000
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	5.687
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	4.265
				Max +ve		
202	90	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.004
			2:LOAD CASE	Max -ve	0.000	0.276
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.204
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
203	87	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.000
			2:LOAD CASE	Max -ve	0.000	0.210
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.157
				Max +ve		
204	88	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.822
			2:LOAD CASE	Max -ve	0.000	99.799
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	71.982
				Max +ve		
205	89	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.811
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-99.163
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-77.231
206	88	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.828
			2:LOAD CASE	Max -ve	0.000	99.983
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	72.116
				Max +ve		
207	89	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.817
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-99.405
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-77.416
208	94	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.825
			2:LOAD CASE	Max -ve	0.000	8.399
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	3.431
				Max +ve		
209	90	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.820
			2:LOAD CASE	Max -ve	0.000	27.221
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	17.551
				Max +ve		
210	92	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.813
			2:LOAD CASE	Max -ve	0.000	9.257
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	4.083
				Max +ve		
211	91	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-3.807
			2:LOAD CASE	Max -ve	0.000	26.413
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	16.954
				Max +ve		
216	92	0.002	1:LOAD CASE	Max -ve	0.000	29.603
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-660.945
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-476.558
217	93	0.002	1:LOAD CASE	Max -ve	0.000	29.484
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	654.323
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	512.855
				Max +ve		
218	94	0.002	1:LOAD CASE	Max -ve	0.000	29.738
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-642.086
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-462.313
219	95	0.002	1:LOAD CASE	Max -ve	0.000	29.610
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	635.832
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	499.081
				Max +ve		
220	97	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.005
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-12.688
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-9.520
221	96	0.001	1:LOAD CASE	Max -ve	0.000	0.003
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	12.368
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	9.278
				Max +ve		
222	99	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.005
			2:LOAD CASE	Max -ve	0.000	0.557
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.414
				Max +ve		
223	96	0.001	1:LOAD CASE	Max -ve	0.000	0.002
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	0.486
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.366
				Max +ve		
224	97	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.775
			2:LOAD CASE	Max -ve	0.000	62.954
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	45.135
				Max +ve		
225	98	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.772
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-62.472

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-48.933
226	97	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.784
			2:LOAD CASE	Max -ve	0.000	62.936
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	45.114
				Max +ve		
227	98	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.782
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-62.507
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-48.967
228	103	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.783
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.100
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-2.913
229	99	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.774
			2:LOAD CASE	Max -ve	0.000	37.565
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	26.093
				Max +ve		
230	101	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.775
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.645
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-3.315
231	100	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.766
			2:LOAD CASE	Max -ve	0.000	38.138
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	26.529
				Max +ve		
236	101	0.002	1:LOAD CASE	Max -ve	0.000	19.257
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-326.917
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-233.797
237	102	0.002	1:LOAD CASE	Max -ve	0.000	19.153
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	320.280
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	254.574
				Max +ve		
238	103	0.002	1:LOAD CASE	Max -ve	0.000	19.376
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-315.978
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-225.504

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
239	104	0.002	1:LOAD CASE	Max -ve	0.000	19.267
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	309.519
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	246.590
				Max +ve		
240	106	0.001	1:LOAD CASE	Max -ve	0.000	-0.006
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-23.605
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	-17.708
				Max +ve		
241	105	0.001	1:LOAD CASE	Max -ve	0.000	0.005
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	22.999
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	17.253
				Max +ve		
242	108	0.001	1:LOAD CASE	Max -ve	0.000	-0.006
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	1.007
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.751
				Max +ve		
243	105	0.001	1:LOAD CASE	Max -ve	0.000	0.004
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	0.928
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	0.699
				Max +ve		
244	106	0.001	1:LOAD CASE	Max -ve	0.000	-1.605
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	30.236
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	21.473
				Max +ve		
245	107	0.001	1:LOAD CASE	Max -ve	0.000	-1.592
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-29.937
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	-23.647
				Max +ve		
246	106	0.001	1:LOAD CASE	Max -ve	0.000	-1.619
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	29.993
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	21.280
				Max +ve		
247	107	0.001	1:LOAD CASE	Max -ve	0.000	-1.607
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-29.743
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	-23.513
				Max +ve		
248	112	0.001	1:LOAD CASE	Max -ve	0.000	-1.634
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-17.244
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-14.158
249	108	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.621
			2:LOAD CASE	Max -ve	0.000	52.858
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	38.428
				Max +ve		
250	110	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.615
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-20.195
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-16.358
251	109	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-1.601
			2:LOAD CASE	Max -ve	0.000	55.817
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	40.662
				Max +ve		
256	110	0.002	1:LOAD CASE	Max -ve	0.000	8.789
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-94.581
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-67.396
257	111	0.002	1:LOAD CASE	Max -ve	0.000	8.713
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	87.110
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	71.867
				Max +ve		
258	112	0.002	1:LOAD CASE	Max -ve	0.000	8.863
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-91.244
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-64.838
259	113	0.002	1:LOAD CASE	Max -ve	0.000	8.784
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	83.810
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	69.445
				Max +ve		
260	115	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.006
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-38.581
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-28.940
261	114	0.001	1:LOAD CASE	Max -ve	0.000	0.008
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	37.586
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			3:COMBINATIC	Max -ve	0.000	28.196
				Max +ve		
262	117	0.001	1:LOAD CASE	Max -ve		
				Max +ve	0.000	-0.007
			2:LOAD CASE	Max -ve	0.000	1.611
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	1.203
				Max +ve		
263	114	0.001	1:LOAD CASE	Max -ve	0.000	0.006
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	1.496
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	1.126
				Max +ve		
264	115	0.001	1:LOAD CASE	Max -ve	0.000	0.070
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	16.969
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	12.779
				Max +ve		
265	116	0.001	1:LOAD CASE	Max -ve	0.000	0.039
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-17.643
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-13.203
266	115	0.001	1:LOAD CASE	Max -ve	0.000	0.050
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	16.480
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	12.397
				Max +ve		
267	116	0.001	1:LOAD CASE	Max -ve	0.000	0.018
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-17.194
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-12.882
268	121	0.001	1:LOAD CASE	Max -ve	0.000	0.093
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-34.580
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-25.865
269	117	0.001	1:LOAD CASE	Max -ve	0.000	0.112
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	79.418
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	59.647
				Max +ve		
270	119	0.001	1:LOAD CASE	Max -ve	0.000	0.055
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-41.057
			3:COMBINATIC	Max -ve		
				Max +ve	0.000	-30.752

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
271	118	0.001	1:LOAD CASE	Max -ve	0.000	0.076
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	85.867
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	64.457
				Max +ve		
272	11	0.002	1:LOAD CASE	Max -ve	0.000	11.163
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-631.997
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-466.477
				Max +ve		
273	12	0.002	1:LOAD CASE	Max -ve	0.000	11.285
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	636.359
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	485.734
				Max +ve		
274	13	0.002	1:LOAD CASE	Max -ve	0.000	11.188
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-526.894
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-387.630
				Max +ve		
275	11	0.002	1:LOAD CASE	Max -ve	0.000	11.272
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-528.128
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-388.493
				Max +ve		
276	13	0.002	1:LOAD CASE	Max -ve	0.000	11.165
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-630.484
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-465.340
				Max +ve		
277	14	0.002	1:LOAD CASE	Max -ve	0.000	11.288
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	634.867
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	484.617
				Max +ve		
278	14	0.002	1:LOAD CASE	Max -ve	0.000	11.184
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	526.483
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	403.250
				Max +ve		
279	12	0.002	1:LOAD CASE	Max -ve	0.000	11.266
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	528.253
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	404.639
				Max +ve		
280	29	0.002	1:LOAD CASE	Max -ve	0.002	9.418
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			2:LOAD CASE	Max -ve	0.000	623.227
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	474.483
				Max +ve		
281	20	0.002	1:LOAD CASE	Max -ve	0.000	9.252
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-615.527
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-455.625
282	32	0.002	1:LOAD CASE	Max -ve	0.002	9.379
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	407.833
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	312.909
				Max +ve		
283	30	0.002	1:LOAD CASE	Max -ve	0.002	9.293
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	407.454
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	312.561
				Max +ve		
284	23	0.002	1:LOAD CASE	Max -ve	0.000	9.423
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	621.670
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	473.320
				Max +ve		
285	22	0.002	1:LOAD CASE	Max -ve	0.000	9.253
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-613.906
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-454.408
286	20	0.002	1:LOAD CASE	Max -ve	0.000	9.384
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-408.046
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-299.915
287	22	0.002	1:LOAD CASE	Max -ve	0.000	9.296
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-407.996
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-299.943
288	38	0.002	1:LOAD CASE	Max -ve	0.002	8.729
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	584.827
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	445.167
				Max +ve		
289	29	0.002	1:LOAD CASE	Max -ve	0.000	8.558
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-577.459

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-427.594
290	41	0.002	1:LOAD CASE	Max -ve	0.002	8.686
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	355.478
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	273.123
				Max +ve		
291	39	0.002	1:LOAD CASE	Max -ve	0.002	8.599
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	356.416
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	273.761
				Max +ve		
292	32	0.002	1:LOAD CASE	Max -ve	0.000	8.736
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	583.740
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	444.357
				Max +ve		
293	31	0.002	1:LOAD CASE	Max -ve	0.000	8.565
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-576.288
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-426.711
294	29	0.002	1:LOAD CASE	Max -ve	0.000	8.694
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-355.743
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-261.205
295	31	0.002	1:LOAD CASE	Max -ve	0.000	8.604
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-356.841
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-262.096
296	47	0.002	1:LOAD CASE	Max -ve	0.002	7.931
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	547.027
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	416.219
				Max +ve		
297	38	0.002	1:LOAD CASE	Max -ve	0.000	7.762
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-539.674
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-399.852
298	50	0.002	1:LOAD CASE	Max -ve	0.002	7.892
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	301.956
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	232.386
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
299	48	0.002	1:LOAD CASE	Max -ve	0.002	7.802
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	304.073
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	233.906
				Max +ve		
300	41	0.002	1:LOAD CASE	Max -ve	0.000	7.939
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	546.225
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	415.622
				Max +ve		
301	40	0.002	1:LOAD CASE	Max -ve	0.000	7.767
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-538.775
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-399.175
				Max +ve		
302	38	0.002	1:LOAD CASE	Max -ve	0.000	7.899
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-302.286
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-221.709
				Max +ve		
303	40	0.002	1:LOAD CASE	Max -ve	0.000	7.807
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-304.439
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-223.393
				Max +ve		
304	47	0.002	1:LOAD CASE	Max -ve	0.000	6.069
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-490.418
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-364.113
				Max +ve		
305	48	0.002	1:LOAD CASE	Max -ve	0.000	6.249
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	497.939
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	378.141
				Max +ve		
306	49	0.002	1:LOAD CASE	Max -ve	0.000	6.119
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-220.210
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-161.419
				Max +ve		
307	47	0.002	1:LOAD CASE	Max -ve	0.000	6.210
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-217.213
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-159.103
				Max +ve		
308	49	0.002	1:LOAD CASE	Max -ve	0.000	6.075
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-489.257
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-363.238
309	50	0.002	1:LOAD CASE	Max -ve	0.000	6.255
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	496.859
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	377.336
				Max +ve		
310	50	0.002	1:LOAD CASE	Max -ve	0.000	6.114
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	219.963
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	169.557
				Max +ve		
311	48	0.002	1:LOAD CASE	Max -ve	0.000	6.205
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	216.917
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	167.341
				Max +ve		
312	65	0.002	1:LOAD CASE	Max -ve	0.002	6.297
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	484.005
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	367.726
				Max +ve		
313	56	0.002	1:LOAD CASE	Max -ve	0.000	6.124
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-474.456
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-352.168
314	68	0.002	1:LOAD CASE	Max -ve	0.002	6.257
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	205.354
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	158.708
				Max +ve		
315	66	0.002	1:LOAD CASE	Max -ve	0.002	6.162
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	209.345
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	161.630
				Max +ve		
316	59	0.002	1:LOAD CASE	Max -ve	0.000	6.306
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	481.892
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	366.149
				Max +ve		
317	58	0.002	1:LOAD CASE	Max -ve	0.000	6.131
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-472.256

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-350.512
318	56	0.002	1:LOAD CASE	Max -ve	0.000	6.266
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-205.834
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-150.595
319	58	0.002	1:LOAD CASE	Max -ve	0.000	6.170
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-209.715
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-153.577
320	74	0.002	1:LOAD CASE	Max -ve	0.002	5.501
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	448.312
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	340.360
				Max +ve		
321	65	0.002	1:LOAD CASE	Max -ve	0.000	5.324
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-436.383
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-324.225
322	77	0.002	1:LOAD CASE	Max -ve	0.002	5.459
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	160.706
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	124.624
				Max +ve		
323	75	0.002	1:LOAD CASE	Max -ve	0.002	5.363
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	165.347
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	128.033
				Max +ve		
324	68	0.002	1:LOAD CASE	Max -ve	0.000	5.510
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	444.452
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	337.472
				Max +ve		
325	67	0.002	1:LOAD CASE	Max -ve	0.000	5.335
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-432.445
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-321.264
326	65	0.002	1:LOAD CASE	Max -ve	0.000	5.471
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-161.343
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-117.835

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
327	67	0.002	1:LOAD CASE	Max -ve	0.000	5.374
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-165.834
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-121.276
				Max +ve		
328	83	0.002	1:LOAD CASE	Max -ve	0.002	4.569
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	407.731
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	309.225
				Max +ve		
329	74	0.002	1:LOAD CASE	Max -ve	0.000	4.397
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-396.016
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-294.633
				Max +ve		
330	86	0.002	1:LOAD CASE	Max -ve	0.002	4.530
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	116.301
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	90.623
				Max +ve		
331	84	0.002	1:LOAD CASE	Max -ve	0.002	4.436
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	121.252
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	94.266
				Max +ve		
332	77	0.002	1:LOAD CASE	Max -ve	0.000	4.580
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	401.671
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	304.689
				Max +ve		
333	76	0.002	1:LOAD CASE	Max -ve	0.000	4.407
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-389.894
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-290.034
				Max +ve		
334	74	0.002	1:LOAD CASE	Max -ve	0.000	4.540
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-116.912
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-85.198
				Max +ve		
335	76	0.002	1:LOAD CASE	Max -ve	0.000	4.447
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-121.694
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-88.854
				Max +ve		
336	83	0.002	1:LOAD CASE	Max -ve	0.000	3.187
				Max +ve		

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-344.844
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-257.100
337	84	0.002	1:LOAD CASE	Max -ve	0.000	3.362
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	357.202
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	270.423
				Max +ve		
338	85	0.002	1:LOAD CASE	Max -ve	0.000	3.243
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-75.312
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-54.910
339	83	0.002	1:LOAD CASE	Max -ve	0.000	3.327
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-70.683
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-51.374
340	85	0.002	1:LOAD CASE	Max -ve	0.000	3.199
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-336.687
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-250.974
341	86	0.002	1:LOAD CASE	Max -ve	0.000	3.371
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	349.087
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	264.343
				Max +ve		
342	86	0.002	1:LOAD CASE	Max -ve	0.000	3.232
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	74.897
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	58.597
				Max +ve		
343	84	0.002	1:LOAD CASE	Max -ve	0.000	3.318
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	70.101
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	55.064
				Max +ve		
344	101	0.002	1:LOAD CASE	Max -ve	0.002	2.936
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	316.571
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	239.631
				Max +ve		
345	92	0.002	1:LOAD CASE	Max -ve	0.000	2.780
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-304.812

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-227.442
346	104	0.002	1:LOAD CASE	Max -ve	0.002	2.896
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	49.103
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	39.000
				Max +ve		
347	102	0.002	1:LOAD CASE	Max -ve	0.002	2.818
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	53.629
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	42.335
				Max +ve		
348	95	0.002	1:LOAD CASE	Max -ve	0.000	2.949
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	306.508
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	232.093
				Max +ve		
349	94	0.002	1:LOAD CASE	Max -ve	0.000	2.793
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-294.717
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-219.862
350	92	0.002	1:LOAD CASE	Max -ve	0.000	2.908
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-49.795
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-36.084
351	94	0.002	1:LOAD CASE	Max -ve	0.000	2.832
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-54.154
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-39.411
352	110	0.002	1:LOAD CASE	Max -ve	0.002	2.038
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	247.524
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	187.172
				Max +ve		
353	101	0.002	1:LOAD CASE	Max -ve	0.000	1.895
				Max +ve		
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-235.775
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-176.328
354	113	0.002	1:LOAD CASE	Max -ve	0.002	1.998
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	20.930
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	17.196
				Max +ve		

Beam Maximum Axial Forces Cont...

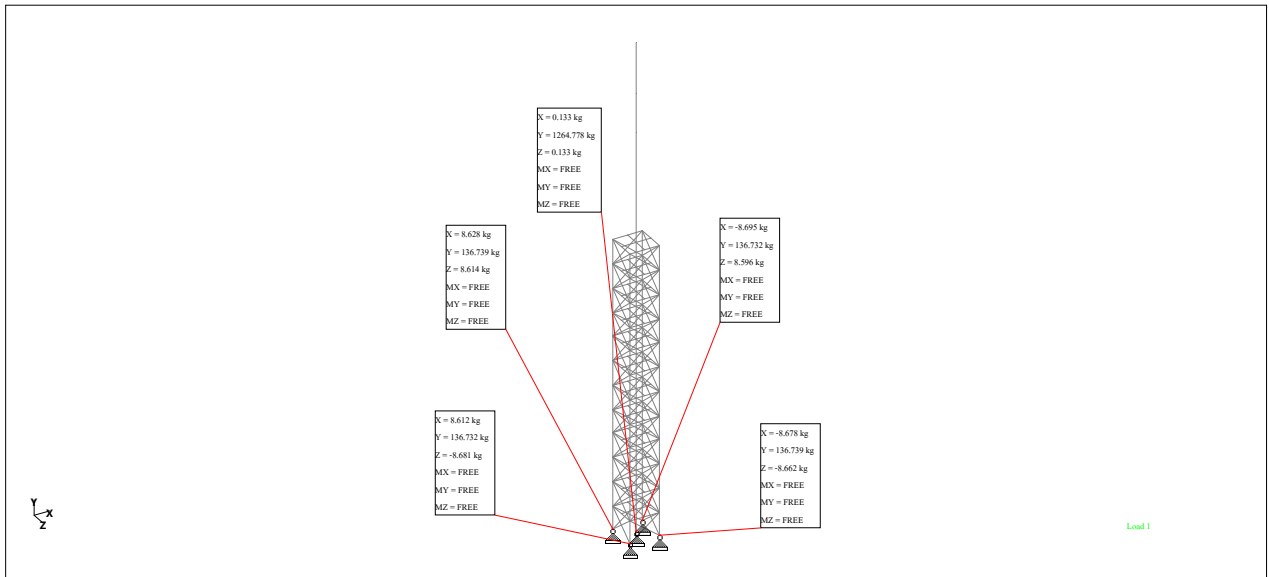
Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
355	111	0.002	1:LOAD CASE	Max -ve	0.002	1.937
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	24.564
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	19.876
				Max +ve		
356	104	0.002	1:LOAD CASE	Max -ve	0.000	2.046
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	237.382
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	179.571
				Max +ve		
357	103	0.002	1:LOAD CASE	Max -ve	0.000	1.907
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-225.617
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-168.701
				Max +ve		
358	101	0.002	1:LOAD CASE	Max -ve	0.000	2.008
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-21.683
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-15.675
				Max +ve		
359	103	0.002	1:LOAD CASE	Max -ve	0.000	1.949
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-25.171
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-18.335
				Max +ve		
360	119	0.002	1:LOAD CASE	Max -ve	0.002	1.242
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	148.811
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	112.540
				Max +ve		
361	110	0.002	1:LOAD CASE	Max -ve	0.000	1.102
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	-135.716
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	-101.879
				Max +ve		
362	122	0.002	1:LOAD CASE	Max -ve	0.002	1.184
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	1.228
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	1.809
				Max +ve		
363	120	0.002	1:LOAD CASE	Max -ve	0.002	1.149
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	3.381
				Max +ve		
			3:COMBINATIC	Max -ve	0.002	3.397
				Max +ve		
364	113	0.002	1:LOAD CASE	Max -ve	0.000	1.254
				Max +ve		

Beam Maximum Axial Forces Cont...

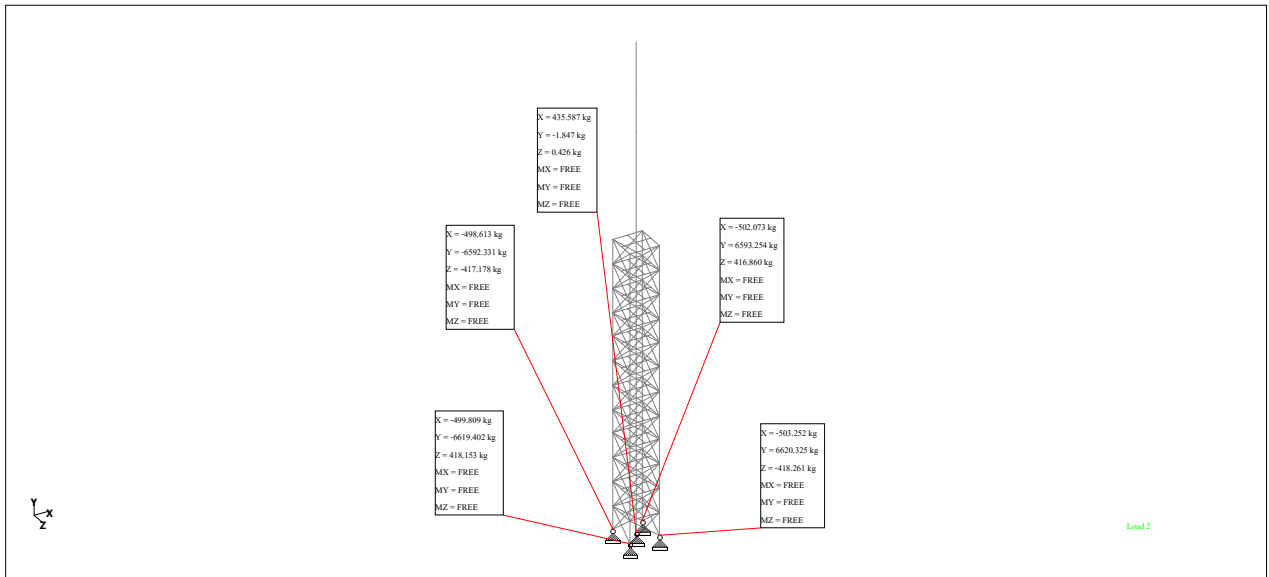
Beam	Node A	Length (km)	L/C		d (km)	Max Fx (kg)
			2:LOAD CASE	Max -ve	0.000	141.524
				Max +ve		
			3:COMBINATIC	Max -ve	0.000	107.084
				Max +ve		
365	112	0.002	1:LOAD CASE	Max -ve	0.000	1.114
				Max +ve	0.002	-0.111
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-128.421
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-96.399
366	110	0.002	1:LOAD CASE	Max -ve	0.000	1.197
				Max +ve	0.002	-0.028
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-2.263
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-1.718
367	112	0.002	1:LOAD CASE	Max -ve	0.000	1.162
				Max +ve	0.002	-0.063
			2:LOAD CASE	Max -ve		
				Max +ve	0.000	-4.330
			3:COMBINATIC	Max -ve		
				Max +ve	0.002	-3.295
368	6	0.003	1:LOAD CASE	Max -ve	0.000	68.489
				Max +ve		
			2:LOAD CASE	Max -ve	0.000	0.000
				Max +ve	0.000	0.000
			3:COMBINATIC	Max -ve	0.000	51.367
				Max +ve		

Reaction Summary

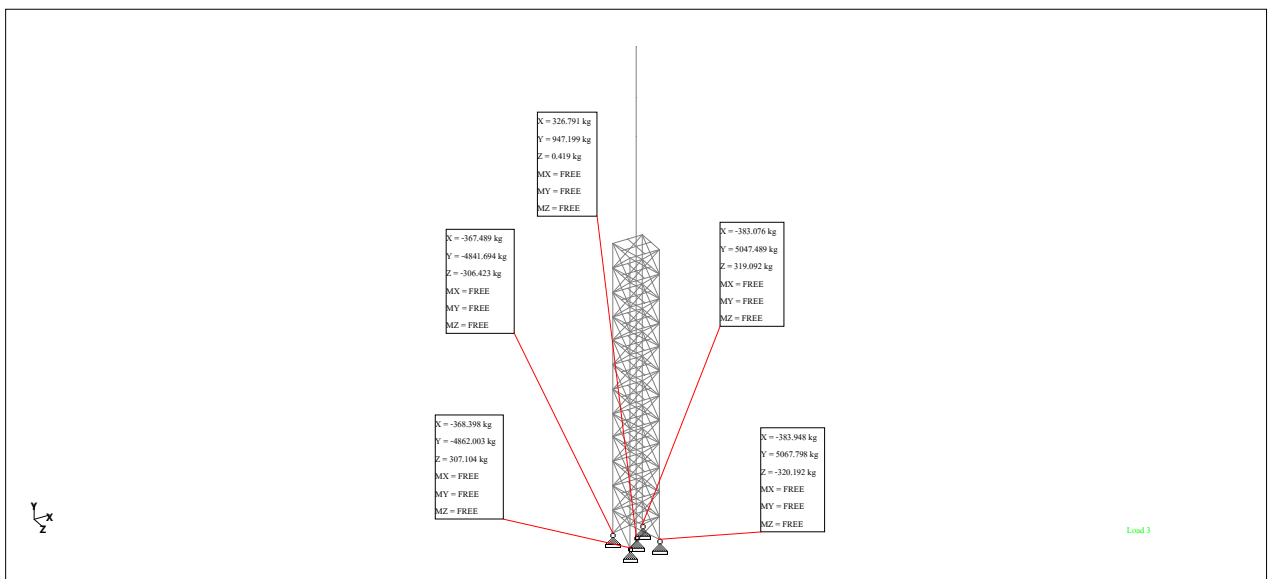
	Node	L/C	Horizontal	Vertical	Horizontal	Moment		
			FX (kg)	FY (kg)	FZ (kg)	MX (kg·m)	MY (kg·m)	MZ (kg·m)
Max FX	1	2:LOAD CASE	435.587	-1.847	0.426	0.000	0.000	0.000
Min FX	12	2:LOAD CASE	-503.252	6.62E+3	-418.261	0.000	0.000	0.000
Max FY	12	2:LOAD CASE	-503.252	6.62E+3	-418.261	0.000	0.000	0.000
Min FY	11	2:LOAD CASE	-499.809	-6.62E+3	418.153	0.000	0.000	0.000
Max FZ	11	2:LOAD CASE	-499.809	-6.62E+3	418.153	0.000	0.000	0.000
Min FZ	12	2:LOAD CASE	-503.252	6.62E+3	-418.261	0.000	0.000	0.000
Max MX	1	1:LOAD CASE	0.133	1.26E+3	0.133	0.000	0.000	0.000
Min MX	1	1:LOAD CASE	0.133	1.26E+3	0.133	0.000	0.000	0.000
Max MY	1	1:LOAD CASE	0.133	1.26E+3	0.133	0.000	0.000	0.000
Min MY	1	1:LOAD CASE	0.133	1.26E+3	0.133	0.000	0.000	0.000
Max MZ	1	1:LOAD CASE	0.133	1.26E+3	0.133	0.000	0.000	0.000
Min MZ	1	1:LOAD CASE	0.133	1.26E+3	0.133	0.000	0.000	0.000



reaction dl



reaction wl



reaction dl+w1

Beam Maximum Forces by Section Property

Section		Axial	Shear		Torsion	Bending	
		Max Fx (kg)	Max Fy (kg)	Max Fz (kg)	Max Mx (kg·m)	Max My (kg·m)	Max Mz (kg·m)
L65X65X6	Max +ve	37.586	4.384	113.998	0.005	97.080	3.698
	Max -ve	-38.581	-6.098	-126.925	-0.005	-18.588	-4.161
PIPE	Max +ve	732.843	1.998	19.723	0.028	11.341	1.141
	Max -ve	-732.700	-3.008	-18.858	-0.027	-11.840	-1.433
PIPE	Max +ve	5.91E+3	0.489	0.961	0.117	0.959	0.813
	Max -ve	-5.91E+3	-0.569	-0.966	-0.118	-0.956	-0.433
PIPE	Max +ve	636.359	0.743	0.191	0.009	0.308	0.056
	Max -ve	-631.997	-0.735	-0.199	-0.009	-0.325	-0.394
PIPE	Max +ve	1.26E+3		0.426	18.262	1.187	3.68E+3
	Max -ve	-1.847	-435.587	-0.131	-0.000	-0.001	0.000
PIPE	Max +ve	592.789	466.560	0.136	20.069	0.601	4.17E+3
	Max -ve	-1.621	-194.247	-0.131	-0.000	-0.002	-0.000
PIPE	Max +ve	121.512	235.980	0.000	0.000	0.000	830.007
	Max -ve	0.000		-0.000	0.000	-0.000	-0.000

Steel Chimney or Steel Stack Design

For Guyed-Supporting Chimneys

1

Location Stack 30 m. Amphur Banglane, Nakhon Pathom

Engineer Mr.Serpun Aimjaboak

Date 2 September 2011

1. DATAS FOR DESIGN

1.1 High Of Chimney	=	30.00	m.
1.2 Lining Thick.: Stainless (Grade 304H: Corrosion Resistance)	=	0.00	mm.
1.3 Flow Rate Of Air/Smoke	=	0.00	m. ³ /sec.
1.4 Temperature Of Air/Smoke [0 < 310 Not Reduce]	=	0.00	C ^o No Reduct. Coeff.
1.5 Local Mean Wind speed Above Ground 10.00 m.	=	25.00	m./sec.

2. PROPERTIES OF MATERIALS

2.1 Ultimate Compressive Strength Of Concrete	=	210.00	kg./cm. ²
2.2 Unite Weigth Of Reinforced Concrete	=	2,400.00	kg./m. ³
2.3 Yield Strength Of Steel	=	2,400.00	kg./cm. ²
2.4 Unite Weigth Of Steel	=	7,850.00	kg./m. ³
2.5 Yield Strength Of Stainless (304H: Corrosion Resistance)	=	0.00	kg./cm. ²
2.6 Unite Weigth Of Stainless (304H: Corrosion Resistance)	=	0.00	kg./m. ³
2.7 Yield Strength Of Bolt	=	2,400.00	kg./cm. ²
2.8 Tensil Strength Of Welding (For E60-xx Only)	=	4,200.00	kg./cm. ²

3. Allowable Stress For Design

3.1 Bending Stress Of Steel & Tensile	=	1,440.00	kg./cm. ²
3.2 Compressive Stress Of Steel [For Control Buckling]	=	1,150.00	kg./cm. ² [4.5,6 mm.]
3.3 Shearing Stress Of Steel	=	960.00	kg./cm. ²

Steel Chimney or Steel Stack Design

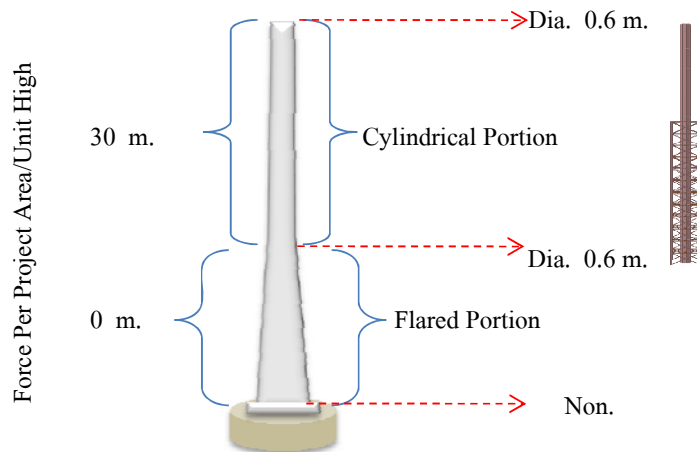
For Guyed-Supporting Chimneys

3. Allowable Stress For Design (Cont.)

3.4 Bending Stress Of Stainless & Tensile	=	0.00	kg./cm. ²
3.5 Compressive Stress Of Stainless	=	0.00	kg./cm. ²
3.6 Shearing Stress Of Stainless	=	0.00	kg./cm. ²
3.7 Shearing Stress Of Bolt	=	960.00	kg./cm. ²
3.8 Shearing Stress Of Welding	=	1,260.00	kg./cm. ²

4. Select Dimensions Of Steel Chimney

4.1 Total High Of Steel Chimney	=	30.00	m.
4.2 High Of Conical (Flared) Portion	=	0.00	m. [30]/3
4.3 High Of Cylindrical Portion	=	30.00	m.
4.4 Outside Diameter At Top Of Flared Portion	=	0.60	m.
4.5 Outside Diameter At Base Of Flared Portion	=		m. [1.60xD]
4.6 Outside Diameter At Top&Bott. Of Cylindrical Portion	=	0.60	m. [30]/20
4.7 Thickness Of Steel Chimney (Account For Corr. = 1/16")	=	6.00	mm. [4,5,6 mm.]



Steel Chimney or Steel Stack Design

For Guyed-Supporting Chimneys

3

Location Stack 30 m. Amphur Banglane, Nakhon Pathom

Engineer Mr.Serpun Aimjaboak

Date 2 September 2011

5. DESIGN LOAD

5.1 Dead Load Of Steel/Unit High = $3.14 \times \text{Dia.} \times 6 \times 7850$ kg./m.

5.2 Dead Load Of Stainless/Unit High = 0.00 kg./m.

5.3 Dead Load Of Platform/Access Ladder/Helical Strake = 0.00 /m.²/m. high

5.4 Live Load (For Personal) = 0.00 /m.²/m. high

5.5 Live Load (For Wind) [V = 25 m./sec.] = UBC Formula (18-1) Section 1618

$$P = C_e C_q q_s I \text{ -----} \rightarrow F = PA$$



Shape Factor (S.F.) = 0.70

F_{avg} (kg./m.)	H (m.)	C_e	C_q	q_s	I	S.F.	A (m. ² /m.)	F(kg./m.)
<u>15.69</u>	0 - 4.57	1.39	1.30	39.09	1	0.70	0.30	14.83
	4.57 - 6.10	1.45	1.30	39.09	1	0.70	0.30	15.47
	6.10 - 7.62	1.50	1.30	39.09	1	0.70	0.30	16.01
	7.62 - 9.14	1.54	1.30	39.09	1	0.70	0.30	16.43
<u>38.65</u>	9.14 - 12.19	1.62	1.30	39.09	1	0.70	0.60	34.58
	12.19 - 18.29	1.73	1.40	39.09	1	0.70	0.60	39.76
	18.29 - 24.38	1.81	1.40	39.09	1	0.70	0.60	41.60
<u>43.21</u>	24.38 - 30.48	1.88	1.40	39.09	1	0.70	0.60	43.21

Steel Chimney or Steel Stack Design

For Guyed-Supporting Chimneys

6. Analysis (Modal Analysis) And Result -----> No Check

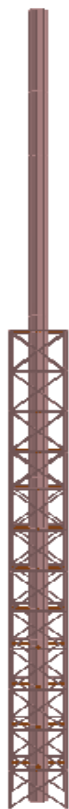
[A Steel Chimney Is Modeled As A Cantilevered, Thin Wall Steel Cylinder, Fixed Base With Free End]

6.1 Natural Frequency Of Steel Chimney (Dead Load Only)

Mode	Freq, Hz	Period, sec	Parti, X %	Parti, Y %	Parti, Z %

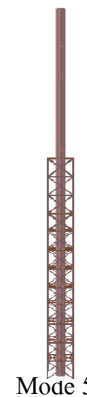
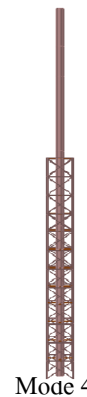
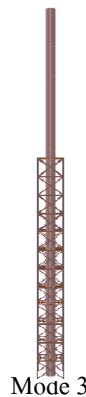
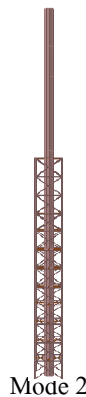
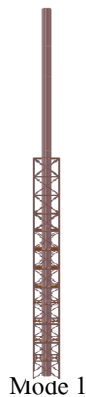
Run From STAAD Pro

6.2 Frequency Of Steel Chimney (When Wind Load Action+Dead Load)



Mode	Freq, Hz	Period, sec	Parti, X %	Parti, Y %	Parti, Z %
1					
2					
3					
4					
5					

Run From STAAD Pro



Steel Chimney or Steel Stack Design

For Guyed-Supporting Chimneys

5

Location Stack 30 m. Amphur Banglane, Nakhon Pathom

Engineer Mr.Sermpun Aimjaboak

Date 2 September 2011

6.3 Check Resonance & Vortex Shedding -----> No Check

Mode	From 6.1 (DL)		From 6.2 (DL+WL)	
	Mode 1	Mode 2	Mode 4	Mode 5
Freq, Hz	-	-	-	-
Period, sec	-	-	-	-

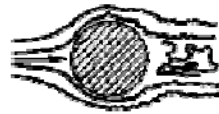
Vortex Shedding Frequency ($F_s = S \cdot V / \text{Dia.}$) = 0.00 $z \neq f_1(0 \text{ Hz})$

Strouhal Critical Velocity ($V_{cr} = f_1 \cdot \text{Dia.} / S$) = 0.00 m./sec. > 32.5 No Criti.

Reynold Number ($Re = V \cdot \text{Dia.} / \nu$) = 0.00E+00 < Transitional Range >



< Not Critical >



$3 \times 10^5 < Re < 3.5 \times 10^6$
LAMINAR BOUNDARY LAYER HAS UNDERGONE TURBULENT TRANSITION AND WAKE IS NARROWER AND DISORGANIZED

Result : -----> No Check

6.4 Support Reaction At Base (Use For Design Foundation Block) : For Hinge Support, $M_z = 0.00 \text{ kg.-m.}$

Axial Force $F_y = 1,264.77 \text{ kg. [Stack]}$

Shear Force $F_x = 503.25 \text{ kg. [Stack]}$

Bending Force $M_z = 0.00 \text{ kg.-m. [Stack]}$

6.5 Internal Forc At Any Level

At Level +6.10 m.

Result From Staad Pro. Analysis

Axial Force $F_y = 938.00 \text{ kg.}$

Shear Force $F_x = 267.00 \text{ kg.}$

Bending Force $M_z = 2,254.00 \text{ kg.-m.}$

Steel Chimney or Steel Stack Design

6

For Guyed-Supporting Chimneys

At Level +12.20 m.

Result From Staad Pro. Analysis

Axial Force	Fy	=	610.00	kg.
Shear Force	Fx	=	194.00	kg.
Bending Force	Mz	=	3,602.00	kg.-m.

At Level +17.72 m.

Result From Staad Pro. Analysis

Axial Force	Fy	=	410.00	kg.
Shear Force	Fx	=	149.00	kg.
Bending Force	Mz	=	4,172.00	kg.-m.

6.6 Check Design Of Chimney Shell Thickness

At Level	=	17.72	m.	Diameter	=	0.60	m.
Stress Due To Chimney Weight					=	9.64	kg./cm. ²
Stress Due To Weight Of Lining					=	0.00	kg./cm. ²
Stress Due To Wind					=	245.82	kg./cm. ²
Max. Compressive Stress					=	255.46	kg./cm. ² < 1,150.00
Max. Tension Stress					=	245.82	kg./cm. ² < 1,440.00
Allowable Bending Moment					=	4,193.71	kg.-m. > 4,172.00
At Level	=	12.20	m.	Diameter	=	0.60	m.
Stress Due To Chimney Weight					=	13.97	kg./cm. ²
Stress Due To Weight Of Lining					=	0.00	kg./cm. ²
Stress Due To Wind					=	212.24	kg./cm. ²
Max. Compressive Stress					=	226.21	kg./cm. ² < 1,150.00
Max. Tension Stress					=	212.24	kg./cm. ² < 1,440.00
Allowable Bending Moment					=	4,193.71	kg.-m. > 3,602.00

Steel Chimney or Steel Stack Design

For Guyed-Supporting Chimneys

7

Location Stack 30 m. Amphur Banglane, Nakhon Pathom

Engineer Mr.Serpun Aimjaboak

Date 2 September 2011

At Level	=	6.10	m.	Diameter	=	0.60	m.
Stress Due To Chimney Weight	=	18.76		kg./cm. ²			
Stress Due To Weight Of Lining	=	0.00		kg./cm. ²			
Stress Due To Wind	=	132.81		kg./cm. ²			
Max. Compressive Stress	=	151.57		kg./cm. ²	<	1,150.00	
Max. Tension Stress	=	132.81		kg./cm. ²	<	1,440.00	
Allowable Bending Moment	=	3,763.58		kg.-m.	>	2,254.00	

8. DESIGN BASE PLATE AND ANCHOR BOLTS ---> For Stack Base Only

8.1 Width Of Base Plate [Around Stack Base]

Max. Compressive Force/Unit Circumf. Length	=	6.71	kg./m.
Allowable Compressive Strength Of Foundation	=	52.50	kg./cm. ²
Req. Width Of Base Plate	=	0.13	cm./m.
Use Base Plate Width	=	10.00	cm.

8.2 Thickness Of Base Plate

Allowable Bending Stress Of Plate (0.75Fy)	=	1,800.00	kg./cm. ²
Req. Thickness Of Base Plate	=	1.48	cm.
Use Thickness Of Base Plate	=	1.50	cm.

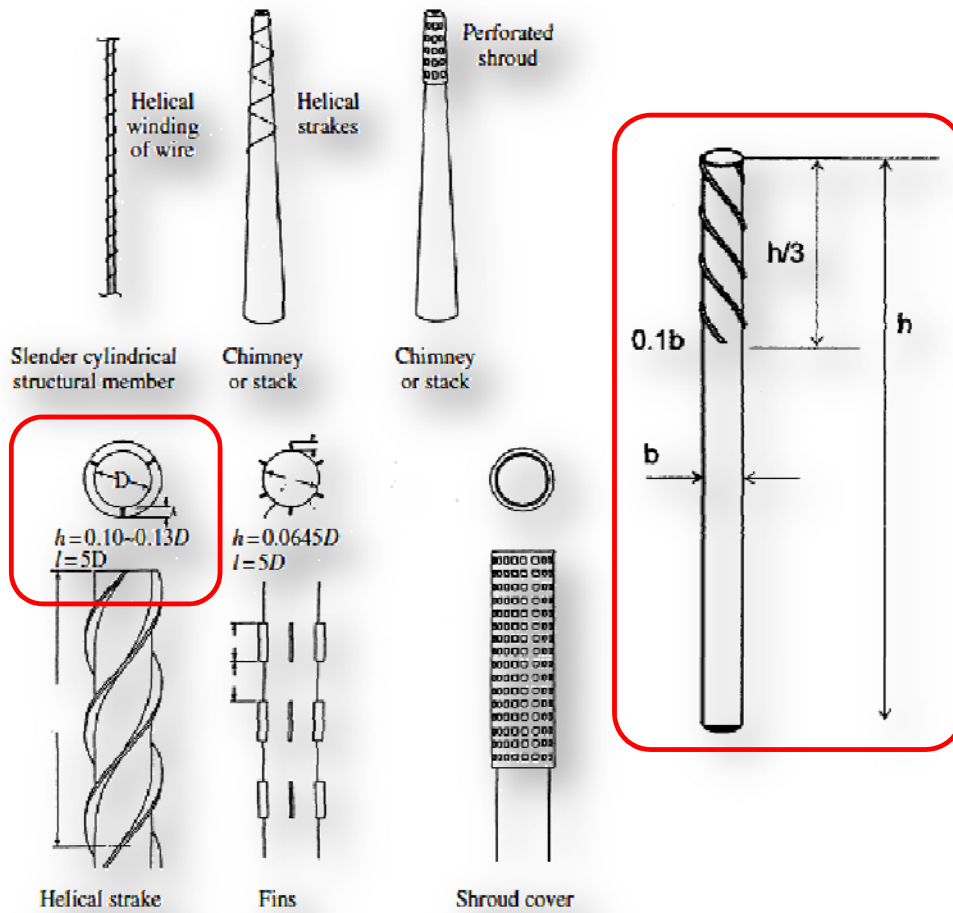
8.3 Anchor Bolts (For Overturning Moment = 0.00 kg.-m.)

			Use Dia.		22.00	mm.
So Spacing Of Bolts	=	30.00	→	20.00		cm.
Req. No. Of Bolts [DL : 0.00 cm./bolt]	=	0.00	→	10.00		bolts

Steel Chimney or Steel Stack Design

For Guyed-Supporting Chimneys

Vortex Shedding Control Method ----> **Not to use for this case**



Examples of countermeasure for vortex-excited vibration of a circular cylinder



NeoSteelDesign v.5

Project : Steel Stack 30 m.

Engineer : A.SERMPUN

Location : Amphur Banglane, Nakhon Pathom

Date : 2-11-2554

Owner :

Time : 11:33:18 PM

Design For Axially Compression Members : Bracing[Main Column]

[I.Datas For Design]

1.1.Design Load(P)	5,910	kg.
1.2.Length(L _{x-x})	1.30	m.
1.3.Length(L _{y-y})	1.30	m.
1.4.Max. Length	1.30	m.
1.5.Min. Value Of k	0.65	[fixed-fixed]
1.6.Use Value Of k	1.00	

[II.Properties Of Steel For Design]

2.1.Use Steel Grade	Fe-24
2.2.Modulus Of Elastic.	2,100,000 ksc.
2.3.Yield Strength	2,400 ksc.
2.4.Ultimate Strength	4,100 ksc.
2.5.All. Comp. Stress	1,440 ksc.
2.6.Use Allowable KL/r	200 For Main.

[III.Result Of Calculate]

3.1.Req. Min. Area	4.10	cm. ²
3.2.Value Of (λ) _c	131.42	****
3.3.Value Of (λ) _(KL/r)	64.04	OK!
3.5.Allowable Compressive Stress : F _a		
1.)Inelastic Range : λ _(kl / r) < λ _c		
F _{ai} =	1,152.67	ksc.
2.)Elastic Range : λ _(kl / r) > λ _c		
F _{ae} =	0.00	ksc.

<<--- Member Will To Fail By Yield --->>

O - 60.5*3.2 mm.(น้ำหนัก = 4.52 kg./m.)

[IV.Select Type & Section Of Steel]

4.1.Type Of Section	1	Pipe
4.2.Trial Section No.	11	O
4.3.Size Of Diameter	60.50	mm.
4.4.Thick. Web(t, tw)	3.20	mm.
4.5.Thick. Flange(tf)	3.20	mm.
4.6.Section Area(As)	5.76	cm.2
4.7.Weight Of Section	4.52	kg./m.
4.8.Sect. Modulus(Sx-x)	7.84	cm.3
4.9.Moment Of In.(Ix-x)	23.70	cm.4
4.10.Rad. Of Gyr.(rmin.)	2.03	cm.

[V.Recheck Design Section]

5.1.Status Of Sect. Area	: This Section OK.!	5.4.Actual Stress	1,026.10	ksc. OK.!
5.2.Load Resist By Sect.	6,639	kg. OK.!	5.5.Slenderness Ratio	64.04 < 200 OK.!
5.3.Safty Load	1.12	times	O - 60.5*3.2 mm.(น้ำหนัก = 4.52 kg./m.)	

Select To Use Section : O - 60.5*3.2 mm.(น้ำหนัก = 4.52 kg./m.)



Project : Steel Stack 30 m.

Engineer : A.SERMPUN

Location : Amphur Banglane, Nakhon Pathom

Date : 2-11-2554

Owner :

Time : 11:37:02 PM

Design For Axially Compression Members : Bracing[Main Boundary 4Side]

[I.Datas For Design]

1.1.Design Load(P)	733	kg.
1.2.Length(L _{x-x})	1.80	m.
1.3.Length(L _{y-y})	1.80	m.
1.4.Max. Length	1.80	m.
1.5.Min. Value Of k	0.65	[fixed-fixed]
1.6.Use Value Of k	1.00	

[II.Properties Of Steel For Design]

2.1.Use Steel Grade	Fe-24
2.2.Modulus Of Elastic.	2,100,000 ksc.
2.3.Yield Strength	2,400 ksc.
2.4.Ultimate Strength	4,100 ksc.
2.5.All. Comp. Stress	1,440 ksc.
2.6.Use Allowable KL/r	200 For Main.

[III.Result Of Calculate]

3.1.Req. Min. Area	0.51	cm. ²
3.2.Value Of (λ) _c	131.42	****
3.3.Value Of (λ) _(KL/r)	125.87	OK.!
3.5.Allowable Compressive Stress : F _a		
1.)Inelastic Range : λ _(kl / r) < λ _c		
F _{ai} =	678.07	ksc.
2.)Elastic Range : λ _(kl / r) > λ _c		
F _{ae} =	0.00	ksc.

[IV.Select Type & Section Of Steel]

4.1.Type Of Section	1	Pipe
4.2.Trial Section No.	5	O
4.3.Size Of Diameter	42.70	mm.
4.4.Thick. Web(t, tw)	2.30	mm.
4.5.Thick. Flange(tf)	2.30	mm.
4.6.Section Area(As)	2.92	cm.2
4.7.Weight Of Section	2.29	kg./m.
4.8.Sect. Modulus(Sx-x)	2.80	cm.3
4.9.Moment Of In.(Ix-x)	5.97	cm.4
4.10.Rad. Of Gyr.(rmin.)	1.43	cm.

<<--- Member Will To Fail By Yield --->>

O - 42.7*2.3 mm.(น้ำหนัก = 2.29 kg./m.)

[V.Recheck Design Section]

5.1.Status Of Sect. Area	: This Section OK.!	5.4.Actual Stress	251.06	ksc. OK.!
5.2.Load Resist By Sect.	1,979	kg. OK.!	5.5.Slenderness Ratio	125.87 < 200 OK.!
5.3.Safty Load	2.70	times	O - 42.7*2.3 mm.(น้ำหนัก = 2.29 kg./m.)	

Select To Use Section : O - 42.7*2.3 mm.(น้ำหนัก = 2.29 kg./m.)



NeoSteelDesign v.5

Project : Steel Stack 30 m.

Engineer : A.SERMPUN

Location : Amphur Banglane, Nakhon Pathom

Date : 2-11-2554

Owner :

Time : 11:42:54 PM

Design For Axially Compression Members : Bracing[Horizontal Diagonal]

[I.Datas For Design]

1.1.Design Load(P)	39	kg.
1.2.Length(L _{x-x})	1.80	m.
1.3.Length(L _{y-y})	1.80	m.
1.4.Max. Length	1.80	m.
1.5.Min. Value Of k	0.65	[fixed-fixed]
1.6.Use Value Of k	1.00	

[II.Properties Of Steel For Design]

2.1.Use Steel Grade	Fe-24
2.2.Modulus Of Elastic.	2,100,000 ksc.
2.3.Yield Strength	2,400 ksc.
2.4.Ultimate Strength	4,100 ksc.
2.5.All. Comp. Stress	1,440 ksc.
2.6.Use Allowable KL/r	200 For Main.

[III.Result Of Calculate]

3.1.Req. Min. Area	0.03	cm. ²
3.2.Value Of (λ) _c	131.42	****
3.3.Value Of (λ) _(KL/r)	183.67	OK.!
3.5.Allowable Compressive Stress : F _a		
1.)Inelastic Range : λ _(kl / r) < λ _c		
F _{ai} =	0.00	ksc.
2.)Elastic Range : λ _(kl / r) > λ _c		
F _{ae} =	320.54	ksc.

[IV.Select Type & Section Of Steel]

4.1.Type Of Section	3	Eq.-Angle
4.2.Trial Section No.	3	L
4.3.Size Of Section	50*50*4	mm.
4.4.Thick. Web(t, tw)	4.00	mm.
4.5.Thick. Flange(tf)	4.00	mm.
4.6.Section Area(As)	3.89	cm.2
4.7.Weight Of Section	3.06	kg./m.
4.8.Sect. Modulus(Sx-x)	2.46	cm.3
4.9.Moment Of In.(Ix-x)	8.97	cm.4
4.10.Rad. Of Gyr.(rmin.)	0.98	cm.

<<--- Member Will To Fail By Buckling --->>

L - 50*50*4 mm.(น้ำหนัก = 3.06 kg./m.)

[V.Recheck Design Section]

5.1.Status Of Sect. Area	: This Section OK.!	5.4.Actual Stress	9.92	ksc. OK.!
5.2.Load Resist By Sect.	1,247 kg. OK.!	5.5.Slenderness Ratio	183.67	< 200 OK.!
5.3.Safty Load	32.32 times			<u>L - 50*50*4 mm.(น้ำหนัก = 3.06 kg./m.)</u>

Select To Use Section : L - 50*50*4 mm.(น้ำหนัก = 3.06 kg./m.)



NeoSteelDesign v.5

Project : Steel Stack 30 m.

Engineer : A.SERMPUN

Location : Amphur Banglane, Nakhon Pathom

Date : 2-11-2554

Owner :

Time : 11:40:49 PM

Design For Axially Compression Members : Bracing[Vertical Diagonal]

[I.Datas For Design]

1.1.Design Load(P)	636	kg.
1.2.Length(L _{x-x})	2.00	m.
1.3.Length(L _{y-y})	2.00	m.
1.4.Max. Length	2.00	m.
1.5.Min. Value Of k	0.65	[fixed-fixed]
1.6.Use Value Of k	1.00	

[II.Properties Of Steel For Design]

2.1.Use Steel Grade	Fe-24
2.2.Modulus Of Elastic.	2,100,000 ksc.
2.3.Yield Strength	2,400 ksc.
2.4.Ultimate Strength	4,100 ksc.
2.5.All. Comp. Stress	1,440 ksc.
2.6.Use Allowable KL/r	200 For Main.

[III.Result Of Calculate]

3.1.Req. Min. Area	0.44	cm. ²
3.2.Value Of (λ) _c	131.42	****
3.3.Value Of (λ) _(KL/r)	178.57	OK!
3.5.Allowable Compressive Stress : F _a		
1.)Inelastic Range : λ _(kl / r) < λ _c		
F _{ai} =	0.00	ksc.
2.)Elastic Range : λ _(kl / r) > λ _c		
F _{ae} =	339.12	ksc.

[IV.Select Type & Section Of Steel]

4.1.Type Of Section	1	Pipe
4.2.Trial Section No.	4	O
4.3.Size Of Diameter	34.00	mm.
4.4.Thick. Web(t, tw)	2.30	mm.
4.5.Thick. Flange(tf)	2.30	mm.
4.6.Section Area(As)	2.29	cm.2
4.7.Weight Of Section	1.80	kg./m.
4.8.Sect. Modulus(Sx-x)	1.70	cm.3
4.9.Moment Of In.(Ix-x)	2.89	cm.4
4.10.Rad. Of Gyr.(rmin.)	1.12	cm.

<<--- Member Will To Fail By Buckling --->>

O - 34*2.3 mm.(น้ำหนัก = 1.8 kg./m.)

[V.Recheck Design Section]

5.1.Status Of Sect. Area	: This Section OK.!	5.4.Actual Stress	277.77	ksc. OK.!
5.2.Load Resist By Sect.	777	kg. OK.!	5.5.Slenderness Ratio	178.57 < 200 OK.!
5.3.Safty Load	1.22	times	<u>O - 34*2.3 mm.(น้ำหนัก = 1.8 kg./m.)</u>	

Select To Use Section : O - 34*2.3 mm.(น้ำหนัก = 1.8 kg./m.)

Project : Steel Stack 30 m.

Engineer : A.SERPUN

Location : Amphur Banglane, Nakhon Pathom

Date : 2-ก.ย.-2554

Owner :

Time : 11:49:01 PM

Design Column-Base For Axial-Force And Bending-Moment : 4-Column Base Plate

[I.Datas For Design]

1.1.Vertical Load	6,620	kg.
1.2.Bending Moment		kg.-m.
1.3.Type Of Column	1	Pipe O
1.4.Size Of Diameter	76.20	mm.
1.5.Size Of Diameter	76.20	mm.
1.6.Use Plate Wide(B)	300.00	mm. OK.!
1.7.Use Plate Long(L)	300.00	mm. OK.!
1.8.Range Of Bolt	50.00	mm.

[II.Properties Of Steel & Concrete]

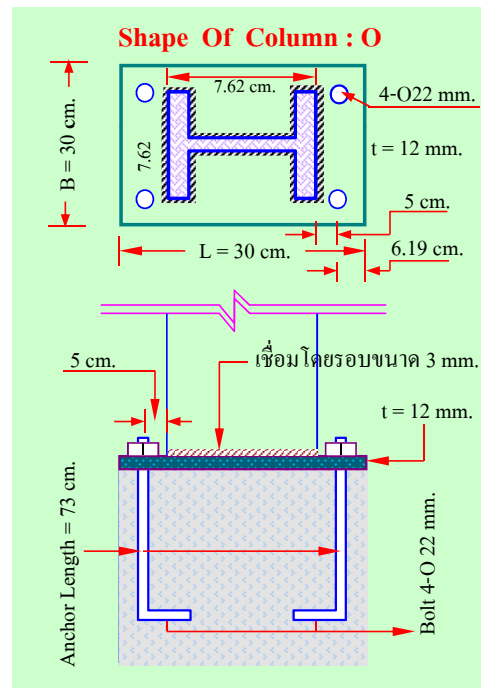
2.1.Use Steel Grade	Fe-30
2.2.Modulus Of Elastic.	2,100,000 ksc.
2.3.Yield Strength	3,000 ksc.
2.4.Ultimate Strength	5,000 ksc.
2.5.All. Bending Stress	2,250 ksc.(Plate)
2.6.Comp. Strength(fc')	240 ksc.(Conc.)
2.7.All. Comp. Stress	60.00 ksc.(Conc.)
2.8.All. Tension Stress	1,440 ksc.(Bolt)
2.9.All. Shear Stress	960 ksc.(Bolt)
2.10.All. Shear Stress	1,200 ksc.(Weld)

[III.Result Of Calculate]

3.1.Bearing $f_{p_{normal}}$	7.36	ksc. OK.!
3.2.Bearing $f_{p_{min}}$	*****	
3.3.Edge Bearing f_{p_e}	*****	
3.4.Bearing $f_{p_{max}}$	*****	
3.5.Edge Moment M_e	*****	kg.-m.
3.6.Force In Bolts	662.00	kg.(Shear)
3.7.Value Of m_{min}	11.38	cm.
3.8.Value Of n_{min}	11.95	cm.

[IV.Design Thick. Of Plate & Bolts]

5.1.Req. Thick. Of Plate	1.18	cm.
5.2.Use Thick. Of Plate	1.20	cm. OK.!
5.3.Req. Area Of Bolt	0.69	cm. ² /side
5.4.Use Dia. Of Bolt	22.00	mm.
5.5.Req. No. Of Bolts	2.00	per side
5.6.Anchor Length	73.00	cm.



Select To Use : Size Of Plate 30 x 30 x 1.2 cm. + Bolts 4 - Dia. 22 mm.(ระยะฝัง 73 ซม.)