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Job No

Sheet No

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Part

Job Title

Ref

By Group D-6

Date 23-Oct-14

Chd Engr. M.L.

Client

File Hangar Truss.std

Date/Time 24-Oct-2014 03:11

Beam Maximum Axial Forces

Distances to maxima are given from beam end A.

Beam	Node A	Length (m)	L/C		d (m)	Max Fx (kN)
1	1	1.334	6:DL+WL1	Max +ve		
				Max -ve	0.000	-230.407
2	3	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-223.821
3	5	3.500	6:DL+WL1	Max +ve	3.500	30.896
				Max -ve		
4	7	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-12.115
5	9	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-195.928
6	11	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-17.668
7	13	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-161.037
8	15	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-16.524
9	17	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-129.485
10	19	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-16.128
11	21	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-101.700
12	23	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-14.889
13	25	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-77.855
14	27	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-16.293
15	29	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-58.981
16	31	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-13.344
17	33	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-39.237
18	35	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-12.951
19	37	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-23.302
20	39	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-11.840
21	41	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-7.301
22	43	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-12.471
23	45	3.500	6:DL+WL1	Max +ve	3.500	7.117
				Max -ve		
24	47	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-12.295



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Job Title

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By Group D-6

Date 23-Oct-14

Chd Engr. M.L.

Client

File Hangar Truss.std

Date/Time 24-Oct-2014 03:11

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (m)	L/C		d (m)	Max Fx (kN)
25	49	3.500	6:DL+WL1	Max +ve	3.500	21.498
				Max -ve		
26	51	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-12.124
27	53	3.500	6:DL+WL1	Max +ve	3.500	34.164
				Max -ve		
28	1	3.283	6:DL+WL1	Max +ve	3.283	202.166
				Max -ve		
29	3	2.929	6:DL+WL1	Max +ve	2.929	173.723
				Max -ve		
30	9	1.688	6:DL+WL1	Max +ve	1.688	187.614
				Max -ve		
31	13	1.741	6:DL+WL1	Max +ve	1.741	167.375
				Max -ve		
32	17	1.794	6:DL+WL1	Max +ve	1.794	148.654
				Max -ve		
33	21	1.846	6:DL+WL1	Max +ve	1.846	130.576
				Max -ve		
34	25	1.904	6:DL+WL1	Max +ve	1.904	115.169
				Max -ve		
35	34	1.947	6:DL+WL1	Max +ve	0.000	90.578
				Max -ve		
36	33	1.997	6:DL+WL1	Max +ve	1.997	82.158
				Max -ve		
37	37	2.045	6:DL+WL1	Max +ve	2.045	66.354
				Max -ve		
38	41	2.094	6:DL+WL1	Max +ve	2.094	51.627
				Max -ve		
39	45	2.143	6:DL+WL1	Max +ve	2.143	36.253
				Max -ve		
40	49	2.192	6:DL+WL1	Max +ve	2.192	20.633
				Max -ve		
41	53	2.242	6:DL+WL1	Max +ve	2.242	4.624
				Max -ve		
42	5	2.291	6:DL+WL1	Max +ve	2.291	7.466
				Max -ve		
43	53	2.342	6:DL+WL1	Max +ve	2.342	7.647
				Max -ve		
44	49	2.394	6:DL+WL1	Max +ve	2.394	7.946
				Max -ve		
45	45	2.447	6:DL+WL1	Max +ve	2.447	8.256
				Max -ve		
46	41	2.503	6:DL+WL1	Max +ve	2.503	8.021
				Max -ve		
47	37	2.560	6:DL+WL1	Max +ve	2.560	9.000
				Max -ve		
48	33	2.621	6:DL+WL1	Max +ve	2.621	9.517
				Max -ve		
49	29	2.685	6:DL+WL1	Max +ve	2.685	12.430



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Job Title

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By Group D-6

Date 23-Oct-14

Chd Engr. M.L.

Client

File Hangar Truss.std

Date/Time 24-Oct-2014 03:11

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (m)	L/C		d (m)	Max Fx (kN)
				Max -ve		
50	25	2.752	6:DL+WL1	Max +ve	2.752	11.233
				Max -ve		
51	21	2.825	6:DL+WL1	Max +ve	2.825	12.477
				Max -ve		
52	17	2.903	6:DL+WL1	Max +ve	2.903	13.236
				Max -ve		
53	13	2.990	6:DL+WL1	Max +ve	2.990	14.624
				Max -ve		
54	4	3.000	6:DL+WL1	Max +ve	0.000	21.999
				Max -ve		
55	55	1.334	6:DL+WL1	Max +ve		
				Max -ve	0.000	-186.915
56	57	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-168.271
57	59	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-12.113
58	61	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-155.137
59	63	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-10.187
60	65	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-135.812
61	67	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-9.476
62	69	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-120.106
63	71	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-9.345
64	73	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-106.379
65	75	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-8.451
66	77	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-95.872
67	79	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-13.883
68	81	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-80.070
69	83	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-13.385
70	85	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-60.863
71	87	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-12.988
72	89	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-43.386
73	91	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-13.464



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By Group D-6	Date 23-Oct-14	Chd Engr. M.L.
Client	File Hangar Truss.std	Date/Time 24-Oct-2014 03:11

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (m)	L/C		d (m)	Max Fx (kN)
74	93	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-28.230
75	95	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-12.469
76	97	3.500	6:DL+WL1	Max +ve		
				Max -ve	0.000	-12.888
77	99	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-12.294
78	101	3.500	6:DL+WL1	Max +ve	3.500	2.977
				Max -ve		
79	103	1.750	6:DL+WL1	Max +ve		
				Max -ve	0.000	-12.124
80	105	3.500	6:DL+WL1	Max +ve	3.500	16.304
				Max -ve		
81	55	3.283	6:DL+WL1	Max +ve	3.283	164.287
				Max -ve		
82	57	2.929	6:DL+WL1	Max +ve	2.929	135.931
				Max -ve		
83	61	1.688	6:DL+WL1	Max +ve	1.688	152.635
				Max -ve		
84	65	1.741	6:DL+WL1	Max +ve	1.741	147.018
				Max -ve		
85	69	1.794	6:DL+WL1	Max +ve	1.794	142.540
				Max -ve		
86	73	1.846	6:DL+WL1	Max +ve	1.846	138.581
				Max -ve		
87	77	1.896	6:DL+WL1	Max +ve	1.896	132.150
				Max -ve		
88	86	1.947	6:DL+WL1	Max +ve	0.000	109.818
				Max -ve		
89	85	1.997	6:DL+WL1	Max +ve	1.997	101.913
				Max -ve		
90	89	2.052	6:DL+WL1	Max +ve	2.052	87.780
				Max -ve		
91	93	2.094	6:DL+WL1	Max +ve	2.094	72.239
				Max -ve		
92	97	2.143	6:DL+WL1	Max +ve	2.143	57.340
				Max -ve		
93	101	2.192	6:DL+WL1	Max +ve	2.192	42.206
				Max -ve		
94	105	2.242	6:DL+WL1	Max +ve	2.242	26.682
				Max -ve		
95	5	2.291	6:DL+WL1	Max +ve	2.291	7.465
				Max -ve		
96	105	2.342	6:DL+WL1	Max +ve	2.342	7.647
				Max -ve		
97	101	2.394	6:DL+WL1	Max +ve	2.394	7.946
				Max -ve		
98	97	2.447	6:DL+WL1	Max +ve	2.447	8.256



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Job No	Sheet No 5	Rev
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By Group D-6	Date 23-Oct-14	Chd Engr. M.L.
Client	File Hangar Truss.std	Date/Time 24-Oct-2014 03:11

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (m)	L/C		d (m)	Max Fx (kN)
				Max -ve		
99	93	2.503	6:DL+WL1	Max +ve	2.503	9.497
				Max -ve		
100	89	2.560	6:DL+WL1	Max +ve	2.560	9.033
				Max -ve		
101	85	2.621	6:DL+WL1	Max +ve	2.621	9.555
				Max -ve		
102	81	2.685	6:DL+WL1	Max +ve	2.685	10.180
				Max -ve		
103	77	2.752	6:DL+WL1	Max +ve	2.752	6.167
				Max -ve		
104	73	2.826	6:DL+WL1	Max +ve	2.826	7.005
				Max -ve		
105	69	2.903	6:DL+WL1	Max +ve	2.903	7.389
				Max -ve		
106	65	2.990	6:DL+WL1	Max +ve	2.990	8.232
				Max -ve		
107	58	3.000	6:DL+WL1	Max +ve		
				Max -ve	0.000	-4.326
108	1	3.700	6:DL+WL1	Max +ve		
				Max -ve	3.700	-238.261
109	3	1.725	6:DL+WL1	Max +ve		
				Max -ve	1.725	-352.354
110	9	1.682	6:DL+WL1	Max +ve		
				Max -ve	1.682	-541.854
111	11	1.682	6:DL+WL1	Max +ve		
				Max -ve	1.682	-552.622
112	13	1.633	6:DL+WL1	Max +ve		
				Max -ve	1.633	-695.249
113	15	1.633	6:DL+WL1	Max +ve		
				Max -ve	1.633	-704.506
114	17	1.593	6:DL+WL1	Max +ve		
				Max -ve	1.593	-819.890
115	19	1.593	6:DL+WL1	Max +ve		
				Max -ve	1.593	-828.077
116	21	1.558	6:DL+WL1	Max +ve		
				Max -ve	1.558	-920.447
117	23	1.558	6:DL+WL1	Max +ve		
				Max -ve	1.558	-927.272
118	27	1.539	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1E+3
119	27	1.530	6:DL+WL1	Max +ve		
				Max -ve	1.530	-1.01E+3
120	30	3.011	6:DL+WL1	Max +ve	0.000	905.642
				Max -ve		
121	4	1.725	6:DL+WL1	Max +ve	0.000	247.227
				Max -ve		
122	10	3.365	6:DL+WL1	Max +ve	0.000	341.306
				Max -ve		



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By Group D-6	Date 23-Oct-14	Chd Engr. M.L.
Client	File Hangar Truss.std	Date/Time 24-Oct-2014 03:11

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (m)	L/C		d (m)	Max Fx (kN)
123	14	3.267	6:DL+WL1	Max +ve	0.000	504.783
				Max -ve		
124	18	3.185	6:DL+WL1	Max +ve	0.000	637.840
				Max -ve		
125	22	3.116	6:DL+WL1	Max +ve	0.000	746.013
				Max -ve		
126	26	3.069	6:DL+WL1	Max +ve	0.000	833.823
				Max -ve		
127	29	1.506	6:DL+WL1	Max +ve		
				Max -ve	1.506	-1.07E+3
128	31	1.506	6:DL+WL1	Max +ve		
				Max -ve	1.506	-1.07E+3
129	33	1.486	6:DL+WL1	Max +ve		
				Max -ve	1.486	-1.12E+3
130	35	1.486	6:DL+WL1	Max +ve		
				Max -ve	1.486	-1.12E+3
131	34	2.972	6:DL+WL1	Max +ve	0.000	962.708
				Max -ve		
132	38	2.941	6:DL+WL1	Max +ve	0.000	1.01E+3
				Max -ve		
133	42	2.916	6:DL+WL1	Max +ve	0.000	1.04E+3
				Max -ve		
134	46	2.898	6:DL+WL1	Max +ve	0.000	1.07E+3
				Max -ve		
135	50	2.887	6:DL+WL1	Max +ve	0.000	1.08E+3
				Max -ve		
136	54	2.881	6:DL+WL1	Max +ve	0.000	1.09E+3
				Max -ve		
137	37	1.470	6:DL+WL1	Max +ve		
				Max -ve	1.470	-1.16E+3
138	39	1.470	6:DL+WL1	Max +ve		
				Max -ve	1.470	-1.16E+3
139	41	1.458	6:DL+WL1	Max +ve		
				Max -ve	1.458	-1.18E+3
140	43	1.458	6:DL+WL1	Max +ve		
				Max -ve	1.458	-1.19E+3
141	45	1.449	6:DL+WL1	Max +ve		
				Max -ve	1.449	-1.2E+3
142	47	1.449	6:DL+WL1	Max +ve		
				Max -ve	1.449	-1.2E+3
143	49	1.443	6:DL+WL1	Max +ve		
				Max -ve	1.443	-1.21E+3
144	51	1.443	6:DL+WL1	Max +ve		
				Max -ve	1.443	-1.21E+3
145	53	1.440	6:DL+WL1	Max +ve		
				Max -ve	1.440	-1.2E+3
146	7	1.440	6:DL+WL1	Max +ve		
				Max -ve	1.440	-1.2E+3
147	5	1.440	6:DL+WL1	Max +ve		



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Job No	Sheet No 7	Rev
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Ref		
By Group D-6	Date 23-Oct-14	Chd Engr. M.L.
Client	File Hangar Truss.std	Date/Time 24-Oct-2014 03:11

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (m)	L/C		d (m)	Max Fx (kN)
				Max -ve	0.000	-1.2E+3
148	59	1.440	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1.2E+3
149	6	2.881	6:DL+WL1	Max +ve	2.881	1.07E+3
				Max -ve		
150	106	2.887	6:DL+WL1	Max +ve	2.887	1.05E+3
				Max -ve		
151	102	2.898	6:DL+WL1	Max +ve	2.898	1.02E+3
				Max -ve		
152	98	2.916	6:DL+WL1	Max +ve	2.916	984.311
				Max -ve		
153	105	1.443	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1.19E+3
154	103	1.443	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1.19E+3
155	101	1.449	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1.17E+3
156	99	1.449	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1.17E+3
157	97	1.458	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1.14E+3
158	95	1.458	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1.14E+3
159	93	1.470	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1.1E+3
160	91	1.480	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1.1E+3
161	89	1.486	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1.05E+3
162	87	1.486	6:DL+WL1	Max +ve		
				Max -ve	0.000	-1.04E+3
163	85	1.506	6:DL+WL1	Max +ve		
				Max -ve	0.000	-982.222
164	83	1.506	6:DL+WL1	Max +ve		
				Max -ve	0.000	-977.461
165	81	1.530	6:DL+WL1	Max +ve		
				Max -ve	0.000	-901.892
166	79	1.530	6:DL+WL1	Max +ve		
				Max -ve	0.000	-896.216
167	77	1.558	6:DL+WL1	Max +ve		
				Max -ve	0.000	-802.877
168	75	1.558	6:DL+WL1	Max +ve		
				Max -ve	0.000	-798.510
169	73	1.593	6:DL+WL1	Max +ve		
				Max -ve	0.000	-696.106
170	71	1.592	6:DL+WL1	Max +ve		
				Max -ve	0.000	-690.817
171	69	1.633	6:DL+WL1	Max +ve		
				Max -ve	0.000	-577.523



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Job No

Sheet No

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Rev

Part

Job Title

Ref

By Group D-6

Date 23-Oct-14

Chd Engr. M.L.

Client

File Hangar Truss.std

Date/Time 24-Oct-2014 03:11

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (m)	L/C		d (m)	Max Fx (kN)
172	67	1.633	6:DL+WL1	Max +ve		
				Max -ve	0.000	-571.593
173	65	1.682	6:DL+WL1	Max +ve		
				Max -ve	0.000	-444.975
174	63	1.682	6:DL+WL1	Max +ve		
				Max -ve	0.000	-438.075
175	61	1.725	6:DL+WL1	Max +ve		
				Max -ve	0.000	-285.862
176	57	3.700	6:DL+WL1	Max +ve		
				Max -ve	0.000	-200.003
177	94	2.951	6:DL+WL1	Max +ve	2.951	934.947
				Max -ve		
178	90	2.972	6:DL+WL1	Max +ve	2.972	874.612
				Max -ve		
179	86	3.011	6:DL+WL1	Max +ve	3.011	801.499
				Max -ve		
180	82	3.059	6:DL+WL1	Max +ve	3.059	713.652
				Max -ve		
181	78	3.116	6:DL+WL1	Max +ve	3.116	613.642
				Max -ve		
182	74	3.185	6:DL+WL1	Max +ve	3.185	504.876
				Max -ve		
183	70	3.267	6:DL+WL1	Max +ve	3.267	384.225
				Max -ve		
184	66	3.365	6:DL+WL1	Max +ve	3.365	248.407
				Max -ve		
185	62	1.725	6:DL+WL1	Max +ve	1.725	174.248
				Max -ve		
186	8	2.242	6:DL+WL1	Max +ve		
				Max -ve	0.000	-3.126
187	12	1.688	6:DL+WL1	Max +ve	1.688	179.401
				Max -ve		
188	16	1.741	6:DL+WL1	Max +ve	1.741	159.477
				Max -ve		
189	20	1.793	6:DL+WL1	Max +ve	1.793	140.721
				Max -ve		
190	24	1.846	6:DL+WL1	Max +ve	1.846	123.079
				Max -ve		
191	28	1.896	6:DL+WL1	Max +ve	1.896	106.769
				Max -ve		
192	32	1.947	6:DL+WL1	Max +ve	0.000	97.612
				Max -ve		
193	36	1.997	6:DL+WL1	Max +ve	1.997	75.175
				Max -ve		
194	40	2.046	6:DL+WL1	Max +ve	2.046	59.861
				Max -ve		
195	44	2.095	6:DL+WL1	Max +ve	2.095	44.605
				Max -ve		
196	48	2.143	6:DL+WL1	Max +ve	2.143	29.184



Software licensed to



Job No

Sheet No

9

Rev

Part

Job Title

Ref

By Group D-6

Date 23-Oct-14

Chd Engr. M.L.

Client

File Hangar Truss.std

Date/Time 24-Oct-2014 03:11

Beam Maximum Axial Forces Cont...

Beam	Node A	Length (m)	L/C		d (m)	Max Fx (kN)
				Max -ve		
197	52	2.192	6:DL+WL1	Max +ve	2.192	13.515
				Max -ve		
198	60	2.242	6:DL+WL1	Max +ve	2.242	19.419
				Max -ve		
199	64	1.688	6:DL+WL1	Max +ve	1.688	148.029
				Max -ve		
200	68	1.741	6:DL+WL1	Max +ve	1.741	142.626
				Max -ve		
201	72	1.793	6:DL+WL1	Max +ve	1.793	138.083
				Max -ve		
202	76	1.846	6:DL+WL1	Max +ve	1.846	134.478
				Max -ve		
203	80	1.896	6:DL+WL1	Max +ve	1.896	125.000
				Max -ve		
204	84	1.947	6:DL+WL1	Max +ve	0.000	116.874
				Max -ve		
205	88	1.997	6:DL+WL1	Max +ve	1.997	94.910
				Max -ve		
206	92	2.046	6:DL+WL1	Max +ve	2.046	80.394
				Max -ve		
207	96	2.094	6:DL+WL1	Max +ve	2.094	65.218
				Max -ve		
208	100	2.143	6:DL+WL1	Max +ve	2.143	50.272
				Max -ve		
209	104	2.192	6:DL+WL1	Max +ve	2.192	35.088
				Max -ve		