

**Hot Rolled Steel Design Parameters (Continued)**

Label	Shape	Length	Lxoz	Lcomp	Lcomp	Lcomp	Kxx	Kyy	Ch	Function
97	M98	CHANNEL	942							Lateral
98	M99	CHANNEL	942							Lateral
99	M100	CHANNEL	942							Lateral
100	M101	CHANNEL	942							Lateral
101	M102	CHANNEL	942							Lateral
102	M103	CHANNEL	942							Lateral
103	M104	CHANNEL	942							Lateral
104	M105	CHANNEL	942							Lateral
105	M106	CHANNEL	942							Lateral
106	M107	CHANNEL	942							Lateral
107	M108	CHANNEL	942							Lateral
108	M109	CHANNEL	942							Lateral
109	M110	CHANNEL	942							Lateral
110	M111	CHANNEL	942							Lateral
111	M112	CHANNEL	942							Lateral
112	M113	CHANNEL	942							Lateral
113	M114	CHANNEL	942							Lateral
114	M115	CHANNEL	942							Lateral
115	M116	CHANNEL	439							Lateral
116	M117	CHANNEL	439							Lateral
117	M118	CHANNEL	3939							Lateral
118	M119	CHANNEL	3484							Lateral
119	M120	CHANNEL	3939							Lateral
120	M121	CHANNEL	3484							Lateral
121	M122	CHANNEL	1626							Lateral
122	M123	CHANNEL	1626							Lateral
123	M124	CHANNEL	1626							Lateral
124	M125	PIPE	15.5	Segment	Segment	Segment				Lateral
125	M126	PIPE	15.5	Segment	Segment	Segment				Lateral
126	M127	BRACE	14.26	Segment	Segment	Segment				Lateral
127	M128	BRACE	14.26	Segment	Segment	Segment				Lateral
128	M129	BRACE	13.772	Segment	Segment	Segment				Lateral
129	M130	BRACE	13.772	Segment	Segment	Segment				Lateral
130	M131	BRACE	13.772	Segment	Segment	Segment				Lateral
131	M132	BRACE	13.772	Segment	Segment	Segment				Lateral
132	M133	BRACE	13.772	Segment	Segment	Segment				Lateral
133	M134	CHANNEL	1626							Lateral
134	M135	CHANNEL	1626							Lateral
135	M136	CHANNEL	1626							Lateral
136	M137	CHANNEL	1626							Lateral
137	M138	CHANNEL	1626							Lateral
138	M139	PIPE	15.5	Segment	Segment	Segment				Lateral
139	M140	PIPE	15.5	Segment	Segment	Segment				Lateral
140	M141	PIPE	15.5	Segment	Segment	Segment				Lateral
141	M142	BRACE	10.5	Segment	Segment	Segment				Lateral
142	M143	BRACE	10.5	Segment	Segment	Segment				Lateral
143	M144	CHANNEL	1974							Lateral
144	M145	CHANNEL	1834							Lateral
145	M146	CHANNEL	1514							Lateral
146	M147	CHANNEL	1974							Lateral

**Joint Coordinates and Temperatures**

Label	X(ft)	Y(ft)	Z(ft)	Temp(F)	Detach From
1					
2					
3					
4					
5					
6					
7					

**Joint Coordinates and Temperatures (Continued)**

Label	X(ft)	Y(ft)	Z(ft)	Temp(F)	Detach From
8					
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**Joint Coordinates and Temperatures (Continued)**

Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Dia.
N65	14.397607	15.5	19.518119	0	
N66	13.601946	15.5	20.023061	0	
N67	12.875845	15.5	20.623744	0	
N68	12.230733	15.5	21.310695	0	
N69	11.67685	15.5	22.07308	0	
N70	11.223865	15.5	22.893876	0	
N71	10.879359	15.5	23.775061	0	
N72	10.641603	15.5	24.687815	0	
N73	10.523494	15.5	25.622744	0	
N74	10.523494	15.5	26.565104	0	
N75	10.641603	15.5	27.500034	0	
N76	10.879359	15.5	28.412783	0	
N77	11.223865	15.5	29.289872	0	
N78	11.67685	15.5	30.114789	0	
N79	12.230733	15.5	30.877154	0	
N80	12.875845	15.5	31.564105	0	
N81	13.601946	15.5	32.164788	0	
N82	14.397607	15.5	32.66973	0	
N83	15.25028	15.5	33.070967	0	
N84	16.163516	15.5	33.362172	0	
N85	17.072186	15.5	33.538753	0	
N86	18.002697	15.5	33.597924	0	
N87	18.933187	15.5	33.538753	0	
N88	19.878856	15.5	33.362172	0	
N89	20.775093	15.5	33.070967	0	
N90	21.672766	15.5	32.66973	0	
N91	22.423427	15.5	32.164788	0	
N92	23.149528	15.5	31.564105	0	
N93	23.746118	15.5	30.877154	0	
N94	24.243427	15.5	30.114789	0	
N95	24.687815	15.5	29.289872	0	
N96	25.00034	15.5	28.412783	0	
N97	25.164788	15.5	27.500034	0	
N98	25.164788	15.5	26.565104	0	
N99	25.00034	15.5	25.622744	0	
N100	24.687815	15.5	24.687815	0	
N101	24.243427	15.5	23.775061	0	
N102	23.746118	15.5	22.893876	0	
N103	23.149528	15.5	22.07308	0	
N104	22.423427	15.5	21.310695	0	
N105	21.672766	15.5	20.623744	0	
N106	20.879359	15.5	20.023061	0	
N107	20.07308	15.5	19.518119	0	
N108	19.275093	15.5	19.18119	0	
N109	18.493876	15.5	18.933187	0	
N110	17.75093	15.5	18.67856	0	
N111	17.072766	15.5	18.523494	0	
N112	16.44157	15.5	18.493876	0	
N113	15.879359	15.5	18.523494	0	
N114	15.37766	15.5	18.67856	0	
N115	14.933187	15.5	18.933187	0	
N116	14.54105	15.5	19.289872	0	
N117	14.200733	15.5	19.687815	0	
N118	13.914789	15.5	20.114789	0	
N119	13.683313	15.5	20.565104	0	
N120	13.493876	15.5	21.023061	0	
N121	13.353876	15.5	21.493876	0	
N122	13.250034	15.5	21.965104	0	
N123	13.18119	15.5	22.423427	0	
N124	13.14157	15.5	22.893876	0	
N125	13.122386	15.5	23.362172	0	
N126	13.122386	15.5	23.822414	0	
N127	13.122386	15.5	24.282656	0	
N128	13.122386	15.5	24.742898	0	
N129	13.122386	15.5	25.20314	0	
N130	13.122386	15.5	25.663382	0	

**Joint Coordinates and Temperatures (Continued)**

Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Dia.
N131	14.264803	15.5	19.602393	0	
N132	15.077822	0	21.010586	0	
N133	15.077822	0	21.470828	0	
N134	15.077822	5.5	21.010586	0	
N135	15.077822	15.5	21.010586	0	
N136	15.077822	5.5	21.470828	0	
N137	15.077822	15.5	21.470828	0	
N138	14.199612	15.5	19.64377	0	
N139	23.882414	15.5	27.693919	0	
N140	23.882414	15.5	27.693919	0	
N141	23.882414	15.5	27.693919	0	
N142	23.882414	15.5	27.693919	0	
N143	23.882414	15.5	27.693919	0	
N144	23.882414	15.5	27.693919	0	
N145	23.882414	15.5	27.693919	0	
N146	23.882414	15.5	27.693919	0	
N147	20.94755	5.5	28.85303	0	
N148	18.012686	5.5	30.016142	0	
N149	18.012686	5.5	22.17687	0	
N150	20.94755	5.5	23.32808	0	
N151	20.94755	15.5	23.32808	0	
N152	20.94755	15.5	23.32808	0	
N153	18.012686	15.5	28.85303	0	
N154	15.077822	10.5	30.016142	0	
N155	19.480118	10.5	22.752283	0	
N156	19.480118	10.5	25.436586	0	
N157	23.882414	10.5	26.093919	0	

**Basic Load Cases**

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area (Me.)	Surface (P)
1 Dead Load	DL							
2 Panel Dead Load	DL							
3 Wind Load	WL						100	100
4 Antennas and Mounts	DL				12			
5 Wind Load Z	WLZ						100	100

**Load Combinations**

Description	Solve PD	SR	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor
1 Dead Load	Y		DL	1						
2 Dead + Wind	Y		DL	1		WL	1			
3 0.6 Dead + ...	Y		DL	6		WL	1			
4 Wind	Y		WL			WL	1			
5 Dead + Wind	Y		DL	1		WL	-1			
6 0.6 Dead + ...	Y		DL	6		WL	-1			
7 Dead + Wind Z	Y		DL	1		WLZ	1			
8 -0.6 Dead + ...	Y		DL	6		WLZ	1			
9 Wind Z	Y		WLZ			WLZ	1			
10 Neg. Wind Z	Y		WLZ	6		WLZ	-1			
11 Neg. Wind	Y		WL			WL	-1			
12 Dead + Neg.	Y		DL	1		WLZ	-1			
13 0.6 Dead + Ne.	Y		DL	6		WLZ	-1			

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**Member Distributed Loads (BLC 2 : Panel Dead Load)**

Member Label	Direction	Start Magnitude(k/ft.)	End Magnitude(k/ft.)	Start Location(ft.)	End Location(ft.)
1	Y	-0.1	-0.1	0	0
2	Y	-0.1	-0.1	0	0
3	Y	-0.1	-0.1	0	0
4	Y	-0.1	-0.1	0	0
5	Y	-0.1	-0.1	0	0
6	Y	-0.1	-0.1	0	0
7	Y	-0.1	-0.1	0	0
8	Y	-0.1	-0.1	0	0
9	Y	-0.1	-0.1	0	0
10	Y	-0.1	-0.1	0	0
11	Y	-0.1	-0.1	0	0
12	Y	-0.1	-0.1	0	0
13	Y	-0.1	-0.1	0	0
14	Y	-0.1	-0.1	0	0
15	Y	-0.1	-0.1	0	0
16	Y	-0.1	-0.1	0	0
17	Y	-0.1	-0.1	0	0
18	Y	-0.1	-0.1	0	0
19	Y	-0.1	-0.1	0	0
20	Y	-0.1	-0.1	0	0
21	Y	-0.1	-0.1	0	0
22	Y	-0.1	-0.1	0	0
23	Y	-0.1	-0.1	0	0
24	Y	-0.1	-0.1	0	0
25	Y	-0.1	-0.1	0	0
26	Y	-0.1	-0.1	0	0
27	Y	-0.1	-0.1	0	0
28	Y	-0.1	-0.1	0	0
29	Y	-0.1	-0.1	0	0
30	Y	-0.1	-0.1	0	0
31	Y	-0.1	-0.1	0	0
32	Y	-0.1	-0.1	0	0
33	Y	-0.1	-0.1	0	0
34	Y	-0.1	-0.1	0	0
35	Y	-0.1	-0.1	0	0
36	Y	-0.1	-0.1	0	0
37	Y	-0.1	-0.1	0	0
38	Y	-0.1	-0.1	0	0
39	Y	-0.1	-0.1	0	0
40	Y	-0.1	-0.1	0	0
41	Y	-0.1	-0.1	0	0
42	Y	-0.1	-0.1	0	0
43	Y	-0.1	-0.1	0	0
44	Y	-0.1	-0.1	0	0
45	Y	-0.1	-0.1	0	0
46	Y	-0.1	-0.1	0	0
47	Y	-0.1	-0.1	0	0
48	Y	-0.1	-0.1	0	0
49	Y	-0.1	-0.1	0	0
50	Y	-0.1	-0.1	0	0
51	Y	-0.15	-0.15	0	0
52	Y	-0.15	-0.15	0	0
53	Y	-0.15	-0.15	0	0
54	Y	-0.15	-0.15	0	0
55	Y	-0.15	-0.15	0	0
56	Y	-0.15	-0.15	0	0

**Member Distributed Loads (BLC 2 : Panel Dead Load) (Continued)**

Member Label	Direction	Start Magnitude(k/ft.)	End Magnitude(k/ft.)	Start Location(ft.)	End Location(ft.)
57	Y	-0.15	-0.15	0	0
58	Y	-0.15	-0.15	0	0
59	Y	-0.15	-0.15	0	0
60	Y	-0.15	-0.15	0	0
61	Y	-0.15	-0.15	0	0
62	Y	-0.15	-0.15	0	0
63	Y	-0.15	-0.15	0	0
64	Y	-0.15	-0.15	0	0
65	Y	-0.15	-0.15	0	0
66	Y	-0.15	-0.15	0	0
67	Y	-0.15	-0.15	0	0
68	Y	-0.15	-0.15	0	0
69	Y	-0.15	-0.15	0	0
70	Y	-0.15	-0.15	0	0
71	Y	-0.15	-0.15	0	0
72	Y	-0.15	-0.15	0	0
73	Y	-0.15	-0.15	0	0
74	Y	-0.15	-0.15	0	0
75	Y	-0.15	-0.15	0	0
76	Y	-0.15	-0.15	0	0
77	Y	-0.15	-0.15	0	0
78	Y	-0.15	-0.15	0	0
79	Y	-0.15	-0.15	0	0
80	Y	-0.15	-0.15	0	0
81	Y	-0.15	-0.15	0	0
82	Y	-0.15	-0.15	0	0
83	Y	-0.15	-0.15	0	0
84	Y	-0.15	-0.15	0	0
85	Y	-0.15	-0.15	0	0
86	Y	-0.15	-0.15	0	0
87	Y	-0.15	-0.15	0	0
88	Y	-0.15	-0.15	0	0
89	Y	-0.15	-0.15	0	0
90	Y	-0.15	-0.15	0	0
91	Y	-0.15	-0.15	0	0
92	Y	-0.15	-0.15	0	0
93	Y	-0.15	-0.15	0	0
94	Y	-0.15	-0.15	0	0
95	Y	-0.15	-0.15	0	0
96	Y	-0.15	-0.15	0	0
97	Y	-0.15	-0.15	0	0
98	Y	-0.15	-0.15	0	0
99	Y	-0.15	-0.15	0	0
100	Y	-0.15	-0.15	0	0

**Member Distributed Loads (BLC 3 : Wind Load)**

Member Label	Direction	Start Magnitude(k/ft.)	End Magnitude(k/ft.)	Start Location(ft.)	End Location(ft.)
1	L	-0.7	-0.7	0	0
2	L	-0.7	-0.7	0	0
3	L	-0.7	-0.7	0	0
4	L	-0.7	-0.7	0	0
5	L	-0.7	-0.7	0	0
6	L	-0.7	-0.7	0	0
7	L	-0.7	-0.7	0	0
8	L	-0.7	-0.7	0	0
9	L	-0.7	-0.7	0	0
10	L	-0.7	-0.7	0	0

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**Member Distributed Loads (BLC 3 : Wind Load) (Continued)**

Member Label	Direction	Start Magnitude(k/ft.F)	End Magnitude(k/ft.F)	Start Location(ft.)	End Location(ft.)	Start Location(ft.%)	End Location(ft.%)
M76	L	-0.7	-0.7	0	0	0	0
M77	L	-0.7	-0.7	0	0	0	0
M78	L	-0.7	-0.7	0	0	0	0
M79	L	-0.7	-0.7	0	0	0	0
M80	L	-0.7	-0.7	0	0	0	0
M81	L	-0.7	-0.7	0	0	0	0
M82	L	-0.7	-0.7	0	0	0	0
M83	L	-0.7	-0.7	0	0	0	0
M84	L	-0.7	-0.7	0	0	0	0
M85	L	-0.7	-0.7	0	0	0	0
M86	L	-0.7	-0.7	0	0	0	0
M87	L	-0.7	-0.7	0	0	0	0
M88	L	-0.7	-0.7	0	0	0	0
M89	L	-0.7	-0.7	0	0	0	0
M90	L	-0.7	-0.7	0	0	0	0
M91	L	-0.7	-0.7	0	0	0	0
M92	L	-0.7	-0.7	0	0	0	0
M93	L	-0.7	-0.7	0	0	0	0
M94	L	-0.7	-0.7	0	0	0	0
M95	L	-0.7	-0.7	0	0	0	0
M96	L	-0.7	-0.7	0	0	0	0
M97	L	-0.7	-0.7	0	0	0	0
M98	L	-0.7	-0.7	0	0	0	0
M99	L	-0.7	-0.7	0	0	0	0
M100	L	-0.7	-0.7	0	0	0	0
M101	L	-0.7	-0.7	0	0	0	0
M102	L	-0.7	-0.7	0	0	0	0
M103	L	-0.7	-0.7	0	0	0	0
M104	L	-0.7	-0.7	0	0	0	0
M105	L	-0.7	-0.7	0	0	0	0
M106	L	-0.7	-0.7	0	0	0	0
M107	L	-0.7	-0.7	0	0	0	0
M108	L	-0.7	-0.7	0	0	0	0
M109	L	-0.7	-0.7	0	0	0	0
M110	L	-0.7	-0.7	0	0	0	0
M111	L	-0.7	-0.7	0	0	0	0
M112	L	-0.7	-0.7	0	0	0	0
M113	L	-0.7	-0.7	0	0	0	0
M114	L	-0.7	-0.7	0	0	0	0
M115	L	-0.7	-0.7	0	0	0	0
M4	L	-1.05	-1.05	0	0	0	0
M5	L	-1.05	-1.05	0	0	0	0
M6	L	-1.05	-1.05	0	0	0	0
M7	L	-1.05	-1.05	0	0	0	0
M8	L	-1.05	-1.05	0	0	0	0
M9	L	-1.05	-1.05	0	0	0	0
M10	L	-1.05	-1.05	0	0	0	0
M11	L	-1.05	-1.05	0	0	0	0
M12	L	-1.05	-1.05	0	0	0	0
M13	L	-1.05	-1.05	0	0	0	0
M14	L	-1.05	-1.05	0	0	0	0
M15	L	-1.05	-1.05	0	0	0	0
M16	L	-1.05	-1.05	0	0	0	0
M17	L	-1.05	-1.05	0	0	0	0
M18	L	-1.05	-1.05	0	0	0	0
M19	L	-1.05	-1.05	0	0	0	0
M20	L	-1.05	-1.05	0	0	0	0

**Member Distributed Loads (BLC 3 : Wind Load) (Continued)**

Member Label	Direction	Start Magnitude(k/ft.F)	End Magnitude(k/ft.F)	Start Location(ft.)	End Location(ft.)	Start Location(ft.%)	End Location(ft.%)
M21	L	-1.05	-1.05	0	0	0	0
M22	L	-1.05	-1.05	0	0	0	0
M23	L	-1.05	-1.05	0	0	0	0
M24	L	-1.05	-1.05	0	0	0	0
M25	L	-1.05	-1.05	0	0	0	0
M26	L	-1.05	-1.05	0	0	0	0
M27	L	-1.05	-1.05	0	0	0	0
M28	L	-1.05	-1.05	0	0	0	0
M29	L	-1.05	-1.05	0	0	0	0
M30	L	-1.05	-1.05	0	0	0	0
M31	L	-1.05	-1.05	0	0	0	0
M32	L	-1.05	-1.05	0	0	0	0
M33	L	-1.05	-1.05	0	0	0	0
M34	L	-1.05	-1.05	0	0	0	0
M35	L	-1.05	-1.05	0	0	0	0
M36	L	-1.05	-1.05	0	0	0	0
M37	L	-1.05	-1.05	0	0	0	0
M38	L	-1.05	-1.05	0	0	0	0
M39	L	-1.05	-1.05	0	0	0	0
M40	L	-1.05	-1.05	0	0	0	0
M41	L	-1.05	-1.05	0	0	0	0
M42	L	-1.05	-1.05	0	0	0	0
M43	L	-1.05	-1.05	0	0	0	0
M44	L	-1.05	-1.05	0	0	0	0
M45	L	-1.05	-1.05	0	0	0	0
M46	L	-1.05	-1.05	0	0	0	0
M47	L	-1.05	-1.05	0	0	0	0
M48	L	-1.05	-1.05	0	0	0	0
M49	L	-1.05	-1.05	0	0	0	0
M50	L	-1.05	-1.05	0	0	0	0
M51	L	-1.05	-1.05	0	0	0	0
M52	L	-1.05	-1.05	0	0	0	0
M53	L	-1.05	-1.05	0	0	0	0

**Member Distributed Loads (BLC 5 : Wind Load Z)**

Member Label	Direction	Start Magnitude(k/ft.F)	End Magnitude(k/ft.F)	Start Location(ft.)	End Location(ft.)	Start Location(ft.%)	End Location(ft.%)
M66	H	-0.7	-0.7	0	0	0	0
M67	H	-0.7	-0.7	0	0	0	0
M68	H	-0.7	-0.7	0	0	0	0
M69	H	-0.7	-0.7	0	0	0	0
M70	H	-0.7	-0.7	0	0	0	0
M71	H	-0.7	-0.7	0	0	0	0
M72	H	-0.7	-0.7	0	0	0	0
M73	H	-0.7	-0.7	0	0	0	0
M74	H	-0.7	-0.7	0	0	0	0
M75	H	-0.7	-0.7	0	0	0	0
M76	H	-0.7	-0.7	0	0	0	0
M77	H	-0.7	-0.7	0	0	0	0
M78	H	-0.7	-0.7	0	0	0	0
M79	H	-0.7	-0.7	0	0	0	0
M80	H	-0.7	-0.7	0	0	0	0
M81	H	-0.7	-0.7	0	0	0	0
M82	H	-0.7	-0.7	0	0	0	0
M83	H	-0.7	-0.7	0	0	0	0
M84	H	-0.7	-0.7	0	0	0	0
M85	H	-0.7	-0.7	0	0	0	0
M86	H	-0.7	-0.7	0	0	0	0

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**Member Distributed Loads (BLC 5 : Wind Load Z) (Continued)**

Member Label	Direction	Start Magnitude(k/ft-ft)	End Magnitude(k/ft-ft)	Start Location(ft-ft)	End Location(ft-ft)	End Location(ft-ft)
M87	H	-0.7	-0.7	0	0	0
M88	H	-0.7	-0.7	0	0	0
M89	H	-0.7	-0.7	0	0	0
M90	H	-0.7	-0.7	0	0	0
M91	H	-0.7	-0.7	0	0	0
M92	H	-0.7	-0.7	0	0	0
M93	H	-0.7	-0.7	0	0	0
M94	H	-0.7	-0.7	0	0	0
M95	H	-0.7	-0.7	0	0	0
M96	H	-0.7	-0.7	0	0	0
M97	H	-0.7	-0.7	0	0	0
M98	H	-0.7	-0.7	0	0	0
M99	H	-0.7	-0.7	0	0	0
M100	H	-0.7	-0.7	0	0	0
M101	H	-0.7	-0.7	0	0	0
M102	H	-0.7	-0.7	0	0	0
M103	H	-0.7	-0.7	0	0	0
M104	H	-0.7	-0.7	0	0	0
M105	H	-0.7	-0.7	0	0	0
M106	H	-0.7	-0.7	0	0	0
M107	H	-0.7	-0.7	0	0	0
M108	H	-0.7	-0.7	0	0	0
M109	H	-0.7	-0.7	0	0	0
M110	H	-0.7	-0.7	0	0	0
M111	H	-0.7	-0.7	0	0	0
M112	H	-0.7	-0.7	0	0	0
M113	H	-0.7	-0.7	0	0	0
M114	H	-0.7	-0.7	0	0	0
M115	H	-0.7	-0.7	0	0	0
M4	H	-1.05	-1.05	0	0	0
M5	H	-1.05	-1.05	0	0	0
M6	H	-1.05	-1.05	0	0	0
M7	H	-1.05	-1.05	0	0	0
M8	H	-1.05	-1.05	0	0	0
M9	H	-1.05	-1.05	0	0	0
M10	H	-1.05	-1.05	0	0	0
M11	H	-1.05	-1.05	0	0	0
M12	H	-1.05	-1.05	0	0	0
M13	H	-1.05	-1.05	0	0	0
M14	H	-1.05	-1.05	0	0	0
M15	H	-1.05	-1.05	0	0	0
M16	H	-1.05	-1.05	0	0	0
M17	H	-1.05	-1.05	0	0	0
M18	H	-1.05	-1.05	0	0	0
M19	H	-1.05	-1.05	0	0	0
M20	H	-1.05	-1.05	0	0	0
M21	H	-1.05	-1.05	0	0	0
M22	H	-1.05	-1.05	0	0	0
M23	H	-1.05	-1.05	0	0	0
M24	H	-1.05	-1.05	0	0	0
M25	H	-1.05	-1.05	0	0	0
M26	H	-1.05	-1.05	0	0	0
M27	H	-1.05	-1.05	0	0	0
M28	H	-1.05	-1.05	0	0	0
M29	H	-1.05	-1.05	0	0	0
M30	H	-1.05	-1.05	0	0	0
M31	H	-1.05	-1.05	0	0	0

**Member Distributed Loads (BLC 5 : Wind Load Z) (Continued)**

Member Label	Direction	Start Magnitude(k/ft-ft)	End Magnitude(k/ft-ft)	Start Location(ft-ft)	End Location(ft-ft)	End Location(ft-ft)
M32	H	-1.05	-1.05	0	0	0
M33	H	-1.05	-1.05	0	0	0
M34	H	-1.05	-1.05	0	0	0
M35	H	-1.05	-1.05	0	0	0
M36	H	-1.05	-1.05	0	0	0
M37	H	-1.05	-1.05	0	0	0
M38	H	-1.05	-1.05	0	0	0
M39	H	-1.05	-1.05	0	0	0
M40	H	-1.05	-1.05	0	0	0
M41	H	-1.05	-1.05	0	0	0
M42	H	-1.05	-1.05	0	0	0
M43	H	-1.05	-1.05	0	0	0
M44	H	-1.05	-1.05	0	0	0
M45	H	-1.05	-1.05	0	0	0
M46	H	-1.05	-1.05	0	0	0
M47	H	-1.05	-1.05	0	0	0
M48	H	-1.05	-1.05	0	0	0
M49	H	-1.05	-1.05	0	0	0
M50	H	-1.05	-1.05	0	0	0
M51	H	-1.05	-1.05	0	0	0
M52	H	-1.05	-1.05	0	0	0
M53	H	-1.05	-1.05	0	0	0

**Joint Loads and Enforced Displacements (BLC 4 : Antennas and Mounts)**

Joint Label	L.D.M	Direction	Magnitude(k-ft)	(in each) (k-in/ft)
1	N118	Y	-1	-1
2	N116	Y	-1	-1
3	N150	Y	-1	-1
4	N151	Y	-1	-1
5	N152	Y	-1	-1
6	N153	Y	-1	-1
7	N147	Y	-1	-1
8	N149A	Y	-1	-1
9	N149	Y	-1	-1
10	N148	Y	-1	-1
11	N51	Y	-1	-1
12	N53	Y	-1	-1

**Envelope Joint Reactions**

Joint	X(k)	Y(k)	Z(k)	LC	MX(k-ft)	LC	MY(k-ft)	LC	MZ(k-ft)	LC	
1	max	1.284	4	5.336	12	1.864	7	0	1	0	1
2	min	-1.371	11	-3.576	9	-1.711	10	0	1	0	1
3	max	1.274	4	5.348	7	1.704	9	0	1	0	1
4	min	-1.364	11	-3.589	11	-1.887	12	0	1	0	1
5	max	1.362	2	5.327	12	1.881	7	0	1	0	1
6	min	-1.272	5	-4.207	9	-1.76	10	0	1	0	1
7	max	1.344	2	5.285	7	1.801	9	0	1	0	1
8	min	-1.256	5	-3.639	10	-1.917	12	0	1	0	1
9	max	5.253	4	5.546	12	5.242	7	0	1	0	1
10	min	-5.253	11	0	4	-5.242	12	0	1	0	1

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