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Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
45	N86	-6	2.375	3.919792	
46	N87	-6	-5.625	3.919792	
47	N88	-6	0.25	3.666667	
48	N89	-6	0.25	3.919792	
49	N90	-6	-3.5	3.666667	
50	N91	-6	-3.5	3.919792	
51	N94	6.5	0.25	3.666667	
52	N95	6.5	-3.5	3.666667	
53	N97	-3.5	-3.5	3.666667	
54	N98	-3.5	0.25	3.666667	
55	N99	3.5	-3.5	3.666667	
56	N100	3.5	0.25	3.666667	
57	N64	-2.045208	0.083333	1.878708	
58	N71	-2.045208	-3.666667	1.878708	
59	N80	-2.236719	0.083333	1.718011	
60	N85	-2.236719	-3.666667	1.718011	
61	N101	-2.236719	0.208333	1.718011	
62	N102	-2.236719	-3.791667	1.718011	
63	N93	6.339274	0.25	-14.511283	
64	N103	-13.594617	-2.5	-7.255941	
65	N104	-7.255343	0.25	-20.850557	
66	N105	-6	-2.5	3.919792	
67	N106	-6.25	-2.5	3.919792	

Node Boundary Conditions

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot [k-ft/rad]	Z Rot [k-ft/rad]
1	N6	Reaction	Reaction	Reaction	Reaction	Reaction
2	N5	Reaction	Reaction	Reaction	Reaction	Reaction
3	N103	Reaction	Reaction	Reaction		

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e ⁻⁶ F ⁻¹]	Density [k/ft ³]	Yield [ksi]	Ry	Fu [ksi]	Rt
1	A36 Gr.36	29000	11154	0.3	0.65	0.49	36	1.5	58	1.2
2	A572 Gr.50	29000	11154	0.3	0.65	0.49	50	1.1	58	1.2
3	A992	29000	11154	0.3	0.65	0.49	50	1.1	58	1.2
4	A500 Gr.42	29000	11154	0.3	0.65	0.49	42	1.3	58	1.1
5	A500 Gr.46	29000	11154	0.3	0.65	0.49	46	1.2	58	1.1
6	A53-b	29000	11154	0.3	0.65	0.49	35	1.5	58	1.2
7	Q235	29000	11154	0.3	0.65	0.49	35	1.5	58	1.2
8	a53-b gr 50	29000	11154	0.3	0.65	0.49	50	1.5	65	1.2

Member Primary Data

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
1	M2	FP1-3	N1	90	Connection Plate	Beam	RECT	Q235	Typical
2	M4	FP2-3	N4	90	Connection Plate	Beam	RECT	Q235	Typical
3	M6	FP2-2	N7	90	Connection Plate	Beam	RECT	Q235	Typical
4	M8	FP1-2	N10	90	Connection Plate	Beam	RECT	Q235	Typical
5	XDARM1-1	N1	N2		Standoff Horizontal	Beam	Pipe	A53-b	Typical
6	XDARM1-2	N4	N3		Standoff Horizontal	Beam	Pipe	A53-b	Typical
7	XDARM2-2	N7	N8		Standoff Horizontal	Beam	Pipe	A53-b	Typical
8	XDARM2-1	N10	N9		Standoff Horizontal	Beam	Pipe	A53-b	Typical
9	VB1-1	N50	N51		Vertical Standoff Bracing	Beam	BAR	Q235	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
10	VB1-2	N54A	N55A		Vertical Standoff Bracing	Beam	BAR	Q235	Typical
11	VB2-2	N57A	N56A		Vertical Standoff Bracing	Beam	BAR	Q235	Typical
12	VB2-1	N53	N52		Vertical Standoff Bracing	Beam	BAR	Q235	Typical
13	DB2-2	N57A	N52		Diagonal Standoff Bracing	Beam	BAR	Q235	Typical
14	DB2-1	N56A	N53		Diagonal Standoff Bracing	Beam	BAR	Q235	Typical
15	DB1-1	N51	N54A		Diagonal Standoff Bracing	Beam	BAR	Q235	Typical
16	DB1-2	N50	N55A		Diagonal Standoff Bracing	Beam	BAR	Q235	Typical
17	M37	N2	N59	90	Connection Plate	Beam	RECT	Q235	Typical
18	M38	N59	N9	90	Connection Plate	Beam	RECT	Q235	Typical
19	M39	N3	N60	90	Connection Plate	Beam	RECT	Q235	Typical
20	M40	N60	N8	90	Connection Plate	Beam	RECT	Q235	Typical
21	M41	N59	N6		RIGID	None	None	RIGID	Typical
22	M42	N60	N5		RIGID	None	None	RIGID	Typical
23	M44	N61	N94		Face Horizontal	Beam	Pipe	A53-b	Typical
24	M45	N62	N95		Face Horizontal	Beam	Pipe	A53-b	Typical
25	MP1A	N65	N66		Mount Pipes	Beam	HSS Pipe	A53-b	Typical
26	M48	N67	N68		RIGID	None	None	RIGID	Typical
27	LM1	N69	N70		RIGID	None	None	RIGID	Typical
28	MP2A	N72	N73		Mount Pipes	Beam	HSS Pipe	A53-b	Typical
29	M52	N74	N75		RIGID	None	None	RIGID	Typical
30	LM2	N76	N77		RIGID	None	None	RIGID	Typical
31	MP3A	N78	N79		Mount Pipes	Beam	HSS Pipe	A53-b	Typical
32	M56	N81	N82		RIGID	None	None	RIGID	Typical
33	M57	N83	N84		RIGID	None	None	RIGID	Typical
34	MP4A	N86	N87		Mount Pipes	Beam	HSS Pipe	A53-b	Typical
35	M60	N88	N89		RIGID	None	None	RIGID	Typical
36	M61	N90	N91		RIGID	None	None	RIGID	Typical
37	M49	FP1-3	N98		RIGID	None	None	RIGID	Typical
38	M53	FP2-3	N97		RIGID	None	None	RIGID	Typical
39	M59	FP2-2	N99		RIGID	None	None	RIGID	Typical
40	M62	FP1-2	N100		RIGID	None	None	RIGID	Typical
41	OVP	N101	N102		Mount Pipes	Beam	HSS Pipe	A53-b	Typical
42	M64	N64	N80		RIGID	None	None	RIGID	Typical
43	M65	N71	N85		RIGID	None	None	RIGID	Typical
44	M46	N106	N103		Tiebacks	Beam	Pipe	A53-b	Typical
45	M47	N105	N106		RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
1	M2				Yes	Default	None
2	M4				Yes	Default	None
3	M6				Yes	Default	None
4	M8				Yes	Default	None
5	XDARM1-1				Yes	Default	None
6	XDARM1-2				Yes	Default	None
7	XDARM2-2				Yes	Default	None
8	XDARM2-1				Yes	Default	None
9	VB1-1	BenPIN	BenPIN		Yes	Default	None
10	VB1-2	BenPIN	BenPIN		Yes	Default	None
11	VB2-2	BenPIN	BenPIN		Yes	Default	None
12	VB2-1	BenPIN	BenPIN		Yes	Default	None
13	DB2-2	BenPIN	BenPIN		Yes	Default	None
14	DB2-1	BenPIN	BenPIN		Yes	Default	None
15	DB1-1	BenPIN	BenPIN		Yes	Default	None
16	DB1-2	BenPIN	BenPIN		Yes	Default	None



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Member Advanced Data (Continued)

	Label	I Release	J Release	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
17	M37				Yes	Default	None
18	M38				Yes	Default	None
19	M39				Yes	Default	None
20	M40				Yes	Default	None
21	M41				Yes	** NA **	None
22	M42				Yes	** NA **	None
23	M44				Yes	Default	None
24	M45				Yes	Default	None
25	MP1A				Yes	Default	None
26	M48				Yes	** NA **	None
27	LM1				Yes	** NA **	None
28	MP2A				Yes	Default	None
29	M52				Yes	** NA **	None
30	LM2				Yes	** NA **	None
31	MP3A				Yes	Default	None
32	M56				Yes	** NA **	None
33	M57				Yes	** NA **	None
34	MP4A				Yes	Default	None
35	M60				Yes	** NA **	None
36	M61				Yes	** NA **	None
37	M49		OOOXOX		Yes	** NA **	None
38	M53		OOOXOX		Yes	** NA **	None
39	M59		OOOXOX		Yes	** NA **	None
40	M62		OOOXOX		Yes	** NA **	None
41	OVP				Yes	Default	None
42	M64		OOOXOX		Yes	** NA **	None
43	M65		OOOXOX		Yes	** NA **	None
44	M46	BenPIN			Yes	Default	None
45	M47				Yes	** NA **	None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	Y	-33.5	1.5
2	MP1A	My	-0.017	1.5
3	MP1A	Mz	-0.022	1.5
4	MP1A	Y	-33.5	6.5
5	MP1A	My	-0.017	6.5
6	MP1A	Mz	-0.022	6.5
7	MP1A	Y	-33.5	1.5
8	MP1A	My	-0.017	1.5
9	MP1A	Mz	0.022	1.5
10	MP1A	Y	-33.5	6.5
11	MP1A	My	-0.017	6.5
12	MP1A	Mz	0.022	6.5
13	MP2A	Y	-28.65	3
14	MP2A	My	-0.014	3
15	MP2A	Mz	0	3
16	MP2A	Y	-28.65	5
17	MP2A	My	-0.014	5
18	MP2A	Mz	0	5
19	MP2A	Y	-87.9	1
20	MP2A	My	0.044	1
21	MP2A	Mz	0	1
22	MP1A	Y	-79.1	1
23	MP1A	My	0.04	1

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
24	MP1A	Mz	0	1
25	OVP	Y	-32	1
26	OVP	My	0	1
27	OVP	Mz	0	1
28	MP3A	Y	-15.9	4
29	MP3A	My	0.005	4
30	MP3A	Mz	-0.006	4

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	Y	-63.81	1.5
2	MP1A	My	-0.032	1.5
3	MP1A	Mz	-0.043	1.5
4	MP1A	Y	-63.81	6.5
5	MP1A	My	-0.032	6.5
6	MP1A	Mz	-0.043	6.5
7	MP1A	Y	-63.81	1.5
8	MP1A	My	-0.032	1.5
9	MP1A	Mz	0.043	1.5
10	MP1A	Y	-63.81	6.5
11	MP1A	My	-0.032	6.5
12	MP1A	Mz	0.043	6.5
13	MP2A	Y	-30.272	3
14	MP2A	My	-0.015	3
15	MP2A	Mz	0	3
16	MP2A	Y	-30.272	5
17	MP2A	My	-0.015	5
18	MP2A	Mz	0	5
19	MP2A	Y	-56.673	1
20	MP2A	My	0.028	1
21	MP2A	Mz	0	1
22	MP1A	Y	-46.133	1
23	MP1A	My	0.023	1
24	MP1A	Mz	0	1
25	OVP	Y	-89.334	1
26	OVP	My	0	1
27	OVP	Mz	0	1
28	MP3A	Y	-32.53	4
29	MP3A	My	0.01	4
30	MP3A	Mz	-0.012	4

Member Point Loads (BLC 3 : Antenna Wo (0 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	0	1.5
2	MP1A	Z	-103.995	1.5
3	MP1A	Mx	0.069	1.5
4	MP1A	X	0	6.5
5	MP1A	Z	-103.995	6.5
6	MP1A	Mx	0.069	6.5
7	MP1A	X	0	1.5
8	MP1A	Z	-103.995	1.5
9	MP1A	Mx	-0.069	1.5
10	MP1A	X	0	6.5



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Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
11	MP1A	Z	-103.995	6.5
12	MP1A	Mx	-0.069	6.5
13	MP2A	X	0	3
14	MP2A	Z	-59.75	3
15	MP2A	Mx	0	3
16	MP2A	X	0	5
17	MP2A	Z	-59.75	5
18	MP2A	Mx	0	5
19	MP2A	X	0	1
20	MP2A	Z	-118.744	1
21	MP2A	Mx	0	1
22	MP1A	X	0	1
23	MP1A	Z	-70.717	1
24	MP1A	Mx	0	1
25	OVP	X	0	1
26	OVP	Z	-103.013	1
27	OVP	Mx	0	1
28	MP3A	X	0	4
29	MP3A	Z	-46.961	4
30	MP3A	Mx	0.018	4

Member Point Loads (BLC 4 : Antenna Wo (30 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	45.143	1.5
2	MP1A	Z	-78.191	1.5
3	MP1A	Mx	0.03	1.5
4	MP1A	X	45.143	6.5
5	MP1A	Z	-78.191	6.5
6	MP1A	Mx	0.03	6.5
7	MP1A	X	45.143	1.5
8	MP1A	Z	-78.191	1.5
9	MP1A	Mx	-0.075	1.5
10	MP1A	X	45.143	6.5
11	MP1A	Z	-78.191	6.5
12	MP1A	Mx	-0.075	6.5
13	MP2A	X	25.03	3
14	MP2A	Z	-43.353	3
15	MP2A	Mx	-0.013	3
16	MP2A	X	25.03	5
17	MP2A	Z	-43.353	5
18	MP2A	Mx	-0.013	5
19	MP2A	X	50.833	1
20	MP2A	Z	-88.045	1
21	MP2A	Mx	0.025	1
22	MP1A	X	32.546	1
23	MP1A	Z	-56.371	1
24	MP1A	Mx	0.016	1
25	OVP	X	46.002	1
26	OVP	Z	-79.678	1
27	OVP	Mx	0	1
28	MP3A	X	18.566	4
29	MP3A	Z	-32.157	4
30	MP3A	Mx	0.018	4

Member Point Loads (BLC 5 : Antenna Wo (60 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	54.447	1.5
2	MP1A	Z	-31.435	1.5
3	MP1A	Mx	-0.006	1.5
4	MP1A	X	54.447	6.5
5	MP1A	Z	-31.435	6.5
6	MP1A	Mx	-0.006	6.5
7	MP1A	X	54.447	1.5
8	MP1A	Z	-31.435	1.5
9	MP1A	Mx	-0.048	1.5
10	MP1A	X	54.447	6.5
11	MP1A	Z	-31.435	6.5
12	MP1A	Mx	-0.048	6.5
13	MP2A	X	26.568	3
14	MP2A	Z	-15.339	3
15	MP2A	Mx	-0.013	3
16	MP2A	X	26.568	5
17	MP2A	Z	-15.339	5
18	MP2A	Mx	-0.013	5
19	MP2A	X	58.465	1
20	MP2A	Z	-33.755	1
21	MP2A	Mx	0.029	1
22	MP1A	X	46.628	1
23	MP1A	Z	-26.921	1
24	MP1A	Mx	0.023	1
25	OVP	X	81.839	1
26	OVP	Z	-47.25	1
27	OVP	Mx	0	1
28	MP3A	X	34.087	4
29	MP3A	Z	-19.68	4
30	MP3A	Mx	0.018	4

Member Point Loads (BLC 6 : Antenna Wo (90 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	49.161	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-0.025	1.5
4	MP1A	X	49.161	6.5
5	MP1A	Z	0	6.5
6	MP1A	Mx	-0.025	6.5
7	MP1A	X	49.161	1.5
8	MP1A	Z	0	1.5
9	MP1A	Mx	-0.025	1.5
10	MP1A	X	49.161	6.5
11	MP1A	Z	0	6.5
12	MP1A	Mx	-0.025	6.5
13	MP2A	X	20.988	3
14	MP2A	Z	0	3
15	MP2A	Mx	-0.01	3
16	MP2A	X	20.988	5
17	MP2A	Z	0	5
18	MP2A	Mx	-0.01	5
19	MP2A	X	50.431	1
20	MP2A	Z	0	1
21	MP2A	Mx	0.025	1



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Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
22	MP1A	X	48.216	1
23	MP1A	Z	0	1
24	MP1A	Mx	0.024	1
25	OVP	X	108.003	1
26	OVP	Z	0	1
27	OVP	Mx	0	1
28	MP3A	X	51.417	4
29	MP3A	Z	0	4
30	MP3A	Mx	0.017	4

Member Point Loads (BLC 7 : Antenna Wo (120 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	54.447	1.5
2	MP1A	Z	31.435	1.5
3	MP1A	Mx	-0.048	1.5
4	MP1A	X	54.447	6.5
5	MP1A	Z	31.435	6.5
6	MP1A	Mx	-0.048	6.5
7	MP1A	X	54.447	1.5
8	MP1A	Z	31.435	1.5
9	MP1A	Mx	-0.006	1.5
10	MP1A	X	54.447	6.5
11	MP1A	Z	31.435	6.5
12	MP1A	Mx	-0.006	6.5
13	MP2A	X	26.568	3
14	MP2A	Z	15.339	3
15	MP2A	Mx	-0.013	3
16	MP2A	X	26.568	5
17	MP2A	Z	15.339	5
18	MP2A	Mx	-0.013	5
19	MP2A	X	58.465	1
20	MP2A	Z	33.755	1
21	MP2A	Mx	0.029	1
22	MP1A	X	46.628	1
23	MP1A	Z	26.921	1
24	MP1A	Mx	0.023	1
25	OVP	X	103.067	1
26	OVP	Z	59.506	1
27	OVP	Mx	0	1
28	MP3A	X	53.04	4
29	MP3A	Z	30.623	4
30	MP3A	Mx	0.005	4

Member Point Loads (BLC 8 : Antenna Wo (150 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	45.143	1.5
2	MP1A	Z	78.191	1.5
3	MP1A	Mx	-0.075	1.5
4	MP1A	X	45.143	6.5
5	MP1A	Z	78.191	6.5
6	MP1A	Mx	-0.075	6.5
7	MP1A	X	45.143	1.5
8	MP1A	Z	78.191	1.5

Member Point Loads (BLC 8 : Antenna Wo (150 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
9	MP1A	Mx	0.03	1.5
10	MP1A	X	45.143	6.5
11	MP1A	Z	78.191	6.5
12	MP1A	Mx	0.03	6.5
13	MP2A	X	25.03	3
14	MP2A	Z	43.353	3
15	MP2A	Mx	-0.013	3
16	MP2A	X	25.03	5
17	MP2A	Z	43.353	5
18	MP2A	Mx	-0.013	5
19	MP2A	X	50.833	1
20	MP2A	Z	88.045	1
21	MP2A	Mx	0.025	1
22	MP1A	X	32.546	1
23	MP1A	Z	56.371	1
24	MP1A	Mx	0.016	1
25	OVP	X	58.258	1
26	OVP	Z	100.906	1
27	OVP	Mx	0	1
28	MP3A	X	29.509	4
29	MP3A	Z	51.111	4
30	MP3A	Mx	-0.01	4

Member Point Loads (BLC 9 : Antenna Wo (180 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	0	1.5
2	MP1A	Z	103.995	1.5
3	MP1A	Mx	-0.069	1.5
4	MP1A	X	0	6.5
5	MP1A	Z	103.995	6.5
6	MP1A	Mx	-0.069	6.5
7	MP1A	X	0	1.5
8	MP1A	Z	103.995	1.5
9	MP1A	Mx	0.069	1.5
10	MP1A	X	0	6.5
11	MP1A	Z	103.995	6.5
12	MP1A	Mx	0.069	6.5
13	MP2A	X	0	3
14	MP2A	Z	59.75	3
15	MP2A	Mx	0	3
16	MP2A	X	0	5
17	MP2A	Z	59.75	5
18	MP2A	Mx	0	5
19	MP2A	X	0	1
20	MP2A	Z	118.744	1
21	MP2A	Mx	0	1
22	MP1A	X	0	1
23	MP1A	Z	70.717	1
24	MP1A	Mx	0	1
25	OVP	X	0	1
26	OVP	Z	103.013	1
27	OVP	Mx	0	1
28	MP3A	X	0	4
29	MP3A	Z	46.961	4
30	MP3A	Mx	-0.018	4



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Member Point Loads (BLC 10 : Antenna Wo (210 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-45.143	1.5
2	MP1A	Z	78.191	1.5
3	MP1A	Mx	-0.03	1.5
4	MP1A	X	-45.143	6.5
5	MP1A	Z	78.191	6.5
6	MP1A	Mx	-0.03	6.5
7	MP1A	X	-45.143	1.5
8	MP1A	Z	78.191	1.5
9	MP1A	Mx	0.075	1.5
10	MP1A	X	-45.143	6.5
11	MP1A	Z	78.191	6.5
12	MP1A	Mx	0.075	6.5
13	MP2A	X	-25.03	3
14	MP2A	Z	43.353	3
15	MP2A	Mx	0.013	3
16	MP2A	X	-25.03	5
17	MP2A	Z	43.353	5
18	MP2A	Mx	0.013	5
19	MP2A	X	-50.833	1
20	MP2A	Z	88.045	1
21	MP2A	Mx	-0.025	1
22	MP1A	X	-32.546	1
23	MP1A	Z	56.371	1
24	MP1A	Mx	-0.016	1
25	OVP	X	-46.002	1
26	OVP	Z	79.678	1
27	OVP	Mx	0	1
28	MP3A	X	-18.566	4
29	MP3A	Z	32.157	4
30	MP3A	Mx	-0.018	4

Member Point Loads (BLC 11 : Antenna Wo (240 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-54.447	1.5
2	MP1A	Z	31.435	1.5
3	MP1A	Mx	0.006	1.5
4	MP1A	X	-54.447	6.5
5	MP1A	Z	31.435	6.5
6	MP1A	Mx	0.006	6.5
7	MP1A	X	-54.447	1.5
8	MP1A	Z	31.435	1.5
9	MP1A	Mx	0.048	1.5
10	MP1A	X	-54.447	6.5
11	MP1A	Z	31.435	6.5
12	MP1A	Mx	0.048	6.5
13	MP2A	X	-26.568	3
14	MP2A	Z	15.339	3
15	MP2A	Mx	0.013	3
16	MP2A	X	-26.568	5
17	MP2A	Z	15.339	5
18	MP2A	Mx	0.013	5
19	MP2A	X	-58.465	1
20	MP2A	Z	33.755	1
21	MP2A	Mx	-0.029	1

Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
22	MP1A	X	-46.628	1
23	MP1A	Z	26.921	1
24	MP1A	Mx	-0.023	1
25	OVP	X	-81.839	1
26	OVP	Z	47.25	1
27	OVP	Mx	0	1
28	MP3A	X	-34.087	4
29	MP3A	Z	19.68	4
30	MP3A	Mx	-0.018	4

Member Point Loads (BLC 12 : Antenna Wo (270 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-49.161	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0.025	1.5
4	MP1A	X	-49.161	6.5
5	MP1A	Z	0	6.5
6	MP1A	Mx	0.025	6.5
7	MP1A	X	-49.161	1.5
8	MP1A	Z	0	1.5
9	MP1A	Mx	0.025	1.5
10	MP1A	X	-49.161	6.5
11	MP1A	Z	0	6.5
12	MP1A	Mx	0.025	6.5
13	MP2A	X	-20.988	3
14	MP2A	Z	0	3
15	MP2A	Mx	0.01	3
16	MP2A	X	-20.988	5
17	MP2A	Z	0	5
18	MP2A	Mx	0.01	5
19	MP2A	X	-50.431	1
20	MP2A	Z	0	1
21	MP2A	Mx	-0.025	1
22	MP1A	X	-48.216	1
23	MP1A	Z	0	1
24	MP1A	Mx	-0.024	1
25	OVP	X	-108.003	1
26	OVP	Z	0	1
27	OVP	Mx	0	1
28	MP3A	X	-51.417	4
29	MP3A	Z	0	4
30	MP3A	Mx	-0.017	4

Member Point Loads (BLC 13 : Antenna Wo (300 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-54.447	1.5
2	MP1A	Z	-31.435	1.5
3	MP1A	Mx	0.048	1.5
4	MP1A	X	-54.447	6.5
5	MP1A	Z	-31.435	6.5
6	MP1A	Mx	0.048	6.5
7	MP1A	X	-54.447	1.5
8	MP1A	Z	-31.435	1.5



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Member Point Loads (BLC 13 : Antenna Wo (300 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
9	MP1A	Mx	0.006	1.5
10	MP1A	X	-54.447	6.5
11	MP1A	Z	-31.435	6.5
12	MP1A	Mx	0.006	6.5
13	MP2A	X	-26.568	3
14	MP2A	Z	-15.339	3
15	MP2A	Mx	0.013	3
16	MP2A	X	-26.568	5
17	MP2A	Z	-15.339	5
18	MP2A	Mx	0.013	5
19	MP2A	X	-58.465	1
20	MP2A	Z	-33.755	1
21	MP2A	Mx	-0.029	1
22	MP1A	X	-46.628	1
23	MP1A	Z	-26.921	1
24	MP1A	Mx	-0.023	1
25	OVP	X	-103.067	1
26	OVP	Z	-59.506	1
27	OVP	Mx	0	1
28	MP3A	X	-53.04	4
29	MP3A	Z	-30.623	4
30	MP3A	Mx	-0.005	4

Member Point Loads (BLC 14 : Antenna Wo (330 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-45.143	1.5
2	MP1A	Z	-78.191	1.5
3	MP1A	Mx	0.075	1.5
4	MP1A	X	-45.143	6.5
5	MP1A	Z	-78.191	6.5
6	MP1A	Mx	0.075	6.5
7	MP1A	X	-45.143	1.5
8	MP1A	Z	-78.191	1.5
9	MP1A	Mx	-0.03	1.5
10	MP1A	X	-45.143	6.5
11	MP1A	Z	-78.191	6.5
12	MP1A	Mx	-0.03	6.5
13	MP2A	X	-25.03	3
14	MP2A	Z	-43.353	3
15	MP2A	Mx	0.013	3
16	MP2A	X	-25.03	5
17	MP2A	Z	-43.353	5
18	MP2A	Mx	0.013	5
19	MP2A	X	-50.833	1
20	MP2A	Z	-88.045	1
21	MP2A	Mx	-0.025	1
22	MP1A	X	-32.546	1
23	MP1A	Z	-56.371	1
24	MP1A	Mx	-0.016	1
25	OVP	X	-58.258	1
26	OVP	Z	-100.906	1
27	OVP	Mx	0	1
28	MP3A	X	-29.509	4
29	MP3A	Z	-51.111	4
30	MP3A	Mx	0.01	4

Member Point Loads (BLC 15 : Antenna Wi (0 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	0	1.5
2	MP1A	Z	-27.516	1.5
3	MP1A	Mx	0.018	1.5
4	MP1A	X	0	6.5
5	MP1A	Z	-27.516	6.5
6	MP1A	Mx	0.018	6.5
7	MP1A	X	0	1.5
8	MP1A	Z	-27.516	1.5
9	MP1A	Mx	-0.018	1.5
10	MP1A	X	0	6.5
11	MP1A	Z	-27.516	6.5
12	MP1A	Mx	-0.018	6.5
13	MP2A	X	0	3
14	MP2A	Z	-13.132	3
15	MP2A	Mx	0	3
16	MP2A	X	0	5
17	MP2A	Z	-13.132	5
18	MP2A	Mx	0	5
19	MP2A	X	0	1
20	MP2A	Z	-21.871	1
21	MP2A	Mx	0	1
22	MP1A	X	0	1
23	MP1A	Z	-13.573	1
24	MP1A	Mx	0	1
25	OVP	X	0	1
26	OVP	Z	-24.311	1
27	OVP	Mx	0	1
28	MP3A	X	0	4
29	MP3A	Z	-9.512	4
30	MP3A	Mx	0.004	4

Member Point Loads (BLC 16 : Antenna Wi (30 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	12.739	1.5
2	MP1A	Z	-22.064	1.5
3	MP1A	Mx	0.008	1.5
4	MP1A	X	12.739	6.5
5	MP1A	Z	-22.064	6.5
6	MP1A	Mx	0.008	6.5
7	MP1A	X	12.739	1.5
8	MP1A	Z	-22.064	1.5
9	MP1A	Mx	-0.021	1.5
10	MP1A	X	12.739	6.5
11	MP1A	Z	-22.064	6.5
12	MP1A	Mx	-0.021	6.5
13	MP2A	X	5.619	3
14	MP2A	Z	-9.732	3
15	MP2A	Mx	-0.003	3
16	MP2A	X	5.619	5
17	MP2A	Z	-9.732	5
18	MP2A	Mx	-0.003	5
19	MP2A	X	9.462	1
20	MP2A	Z	-16.389	1
21	MP2A	Mx	0.005	1



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Member Point Loads (BLC 16 : Antenna Wi (30 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
22	MP1A	X	6.291	1
23	MP1A	Z	-10.897	1
24	MP1A	Mx	0.003	1
25	OVP	X	10.993	1
26	OVP	Z	-19.041	1
27	OVP	Mx	0	1
28	MP3A	X	3.874	4
29	MP3A	Z	-6.711	4
30	MP3A	Mx	0.004	4

Member Point Loads (BLC 17 : Antenna Wi (60 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	18.534	1.5
2	MP1A	Z	-10.701	1.5
3	MP1A	Mx	-0.002	1.5
4	MP1A	X	18.534	6.5
5	MP1A	Z	-10.701	6.5
6	MP1A	Mx	-0.002	6.5
7	MP1A	X	18.534	1.5
8	MP1A	Z	-10.701	1.5
9	MP1A	Mx	-0.016	1.5
10	MP1A	X	18.534	6.5
11	MP1A	Z	-10.701	6.5
12	MP1A	Mx	-0.016	6.5
13	MP2A	X	6.45	3
14	MP2A	Z	-3.724	3
15	MP2A	Mx	-0.003	3
16	MP2A	X	6.45	5
17	MP2A	Z	-3.724	5
18	MP2A	Mx	-0.003	5
19	MP2A	X	11.285	1
20	MP2A	Z	-6.515	1
21	MP2A	Mx	0.006	1
22	MP1A	X	9.182	1
23	MP1A	Z	-5.301	1
24	MP1A	Mx	0.005	1
25	OVP	X	19.497	1
26	OVP	Z	-11.257	1
27	OVP	Mx	0	1
28	MP3A	X	7.057	4
29	MP3A	Z	-4.074	4
30	MP3A	Mx	0.004	4

Member Point Loads (BLC 18 : Antenna Wi (90 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	19.363	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-0.01	1.5
4	MP1A	X	19.363	6.5
5	MP1A	Z	0	6.5
6	MP1A	Mx	-0.01	6.5
7	MP1A	X	19.363	1.5
8	MP1A	Z	0	1.5

Member Point Loads (BLC 18 : Antenna Wi (90 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
9	MP1A	Mx	-0.01	1.5
10	MP1A	X	19.363	6.5
11	MP1A	Z	0	6.5
12	MP1A	Mx	-0.01	6.5
13	MP2A	X	5.553	3
14	MP2A	Z	0	3
15	MP2A	Mx	-0.003	3
16	MP2A	X	5.553	5
17	MP2A	Z	0	5
18	MP2A	Mx	-0.003	5
19	MP2A	X	10.084	1
20	MP2A	Z	0	1
21	MP2A	Mx	0.005	1
22	MP1A	X	9.612	1
23	MP1A	Z	0	1
24	MP1A	Mx	0.005	1
25	OVP	X	25.365	1
26	OVP	Z	0	1
27	OVP	Mx	0	1
28	MP3A	X	10.311	4
29	MP3A	Z	0	4
30	MP3A	Mx	0.003	4

Member Point Loads (BLC 19 : Antenna Wi (120 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	18.534	1.5
2	MP1A	Z	10.701	1.5
3	MP1A	Mx	-0.016	1.5
4	MP1A	X	18.534	6.5
5	MP1A	Z	10.701	6.5
6	MP1A	Mx	-0.016	6.5
7	MP1A	X	18.534	1.5
8	MP1A	Z	10.701	1.5
9	MP1A	Mx	-0.002	1.5
10	MP1A	X	18.534	6.5
11	MP1A	Z	10.701	6.5
12	MP1A	Mx	-0.002	6.5
13	MP2A	X	6.45	3
14	MP2A	Z	3.724	3
15	MP2A	Mx	-0.003	3
16	MP2A	X	6.45	5
17	MP2A	Z	3.724	5
18	MP2A	Mx	-0.003	5
19	MP2A	X	11.285	1
20	MP2A	Z	6.515	1
21	MP2A	Mx	0.006	1
22	MP1A	X	9.182	1
23	MP1A	Z	5.301	1
24	MP1A	Mx	0.005	1
25	OVP	X	23.98	1
26	OVP	Z	13.845	1
27	OVP	Mx	0	1
28	MP3A	X	10.456	4
29	MP3A	Z	6.037	4
30	MP3A	Mx	0.001	4

Member Point Loads (BLC 20 : Antenna Wi (150 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	12.739	1.5
2	MP1A	Z	22.064	1.5
3	MP1A	Mx	-0.021	1.5
4	MP1A	X	12.739	6.5
5	MP1A	Z	22.064	6.5
6	MP1A	Mx	-0.021	6.5
7	MP1A	X	12.739	1.5
8	MP1A	Z	22.064	1.5
9	MP1A	Mx	0.008	1.5
10	MP1A	X	12.739	6.5
11	MP1A	Z	22.064	6.5
12	MP1A	Mx	0.008	6.5
13	MP2A	X	5.619	3
14	MP2A	Z	9.732	3
15	MP2A	Mx	-0.003	3
16	MP2A	X	5.619	5
17	MP2A	Z	9.732	5
18	MP2A	Mx	-0.003	5
19	MP2A	X	9.462	1
20	MP2A	Z	16.389	1
21	MP2A	Mx	0.005	1
22	MP1A	X	6.291	1
23	MP1A	Z	10.897	1
24	MP1A	Mx	0.003	1
25	OVP	X	13.581	1
26	OVP	Z	23.524	1
27	OVP	Mx	0	1
28	MP3A	X	5.837	4
29	MP3A	Z	10.11	4
30	MP3A	Mx	-0.002	4

Member Point Loads (BLC 21 : Antenna Wi (180 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	0	1.5
2	MP1A	Z	27.516	1.5
3	MP1A	Mx	-0.018	1.5
4	MP1A	X	0	6.5
5	MP1A	Z	27.516	6.5
6	MP1A	Mx	-0.018	6.5
7	MP1A	X	0	1.5
8	MP1A	Z	27.516	1.5
9	MP1A	Mx	0.018	1.5
10	MP1A	X	0	6.5
11	MP1A	Z	27.516	6.5
12	MP1A	Mx	0.018	6.5
13	MP2A	X	0	3
14	MP2A	Z	13.132	3
15	MP2A	Mx	0	3
16	MP2A	X	0	5
17	MP2A	Z	13.132	5
18	MP2A	Mx	0	5
19	MP2A	X	0	1
20	MP2A	Z	21.871	1
21	MP2A	Mx	0	1

Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
22	MP1A	X	0	1
23	MP1A	Z	13.573	1
24	MP1A	Mx	0	1
25	OVP	X	0	1
26	OVP	Z	24.311	1
27	OVP	Mx	0	1
28	MP3A	X	0	4
29	MP3A	Z	9.512	4
30	MP3A	Mx	-0.004	4

Member Point Loads (BLC 22 : Antenna Wi (210 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-12.739	1.5
2	MP1A	Z	22.064	1.5
3	MP1A	Mx	-0.008	1.5
4	MP1A	X	-12.739	6.5
5	MP1A	Z	22.064	6.5
6	MP1A	Mx	-0.008	6.5
7	MP1A	X	-12.739	1.5
8	MP1A	Z	22.064	1.5
9	MP1A	Mx	0.021	1.5
10	MP1A	X	-12.739	6.5
11	MP1A	Z	22.064	6.5
12	MP1A	Mx	0.021	6.5
13	MP2A	X	-5.619	3
14	MP2A	Z	9.732	3
15	MP2A	Mx	0.003	3
16	MP2A	X	-5.619	5
17	MP2A	Z	9.732	5
18	MP2A	Mx	0.003	5
19	MP2A	X	-9.462	1
20	MP2A	Z	16.389	1
21	MP2A	Mx	-0.005	1
22	MP1A	X	-6.291	1
23	MP1A	Z	10.897	1
24	MP1A	Mx	-0.003	1
25	OVP	X	-10.993	1
26	OVP	Z	19.041	1
27	OVP	Mx	0	1
28	MP3A	X	-3.874	4
29	MP3A	Z	6.711	4
30	MP3A	Mx	-0.004	4

Member Point Loads (BLC 23 : Antenna Wi (240 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-18.534	1.5
2	MP1A	Z	10.701	1.5
3	MP1A	Mx	0.002	1.5
4	MP1A	X	-18.534	6.5
5	MP1A	Z	10.701	6.5
6	MP1A	Mx	0.002	6.5
7	MP1A	X	-18.534	1.5
8	MP1A	Z	10.701	1.5