



MDG #: 5000121020

Site Name: UNCASVILLE 2 CT

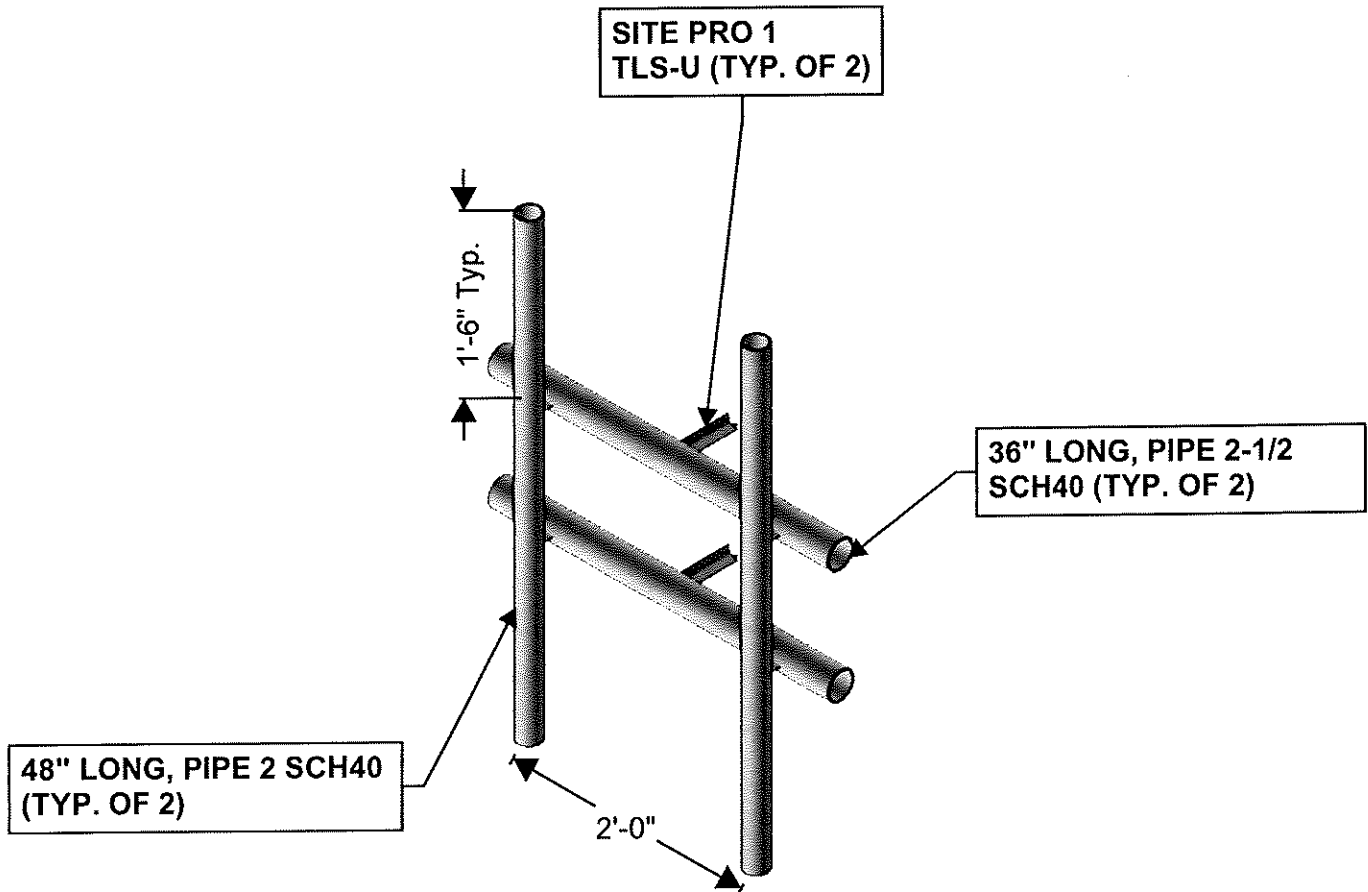
Fuze ID #: 17037883

Colliers Engineering & Design Project #: 26777098

PMI INSTRUCTIONS:

1. Contractor shall remove existing mount and associated hardware.
2. Contractor shall install (2) proposed Universal Tower Leg Supports (Site Pro 1 Part #: TLS-U) in accordance with manufacturer specifications and the Replacement Mount Sketch. Contact EOR if these documents are not available.
3. Contractor shall install (2) 36" long PIPE 2-1/2 SCH40 horizontal pipes to Universal Tower Leg Supports. Refer to placement diagrams and Mount Replacement Sketch. Contact EOR if these documents are not available.
4. Contractor shall install (2) 48" long PIPE 2 SCH40 mount pipes. Connect to face horizontal pipes with new crossover kits (Site Pro 1 Part #: SCX2-K). Refer to placement diagrams and Mount Replacement Sketch. Contact EOR if these documents are not available.
5. Threaded rod from proposed kits shall be trimmed to extend no more than 3" beyond the lock nut.
6. Contractor shall inspect climbing facilities and safety climb and ensure they are in good condition and install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel.
7. Treat all damaged or cut mount and tower steel with (2) coats of zinga or zinc kote as needed

New/Replacement Mount Sketch



MOUNT ISOMETRIC VIEW
N.T.S

Structure: 5000121020-VZW - UNCASVILLE 2 CT

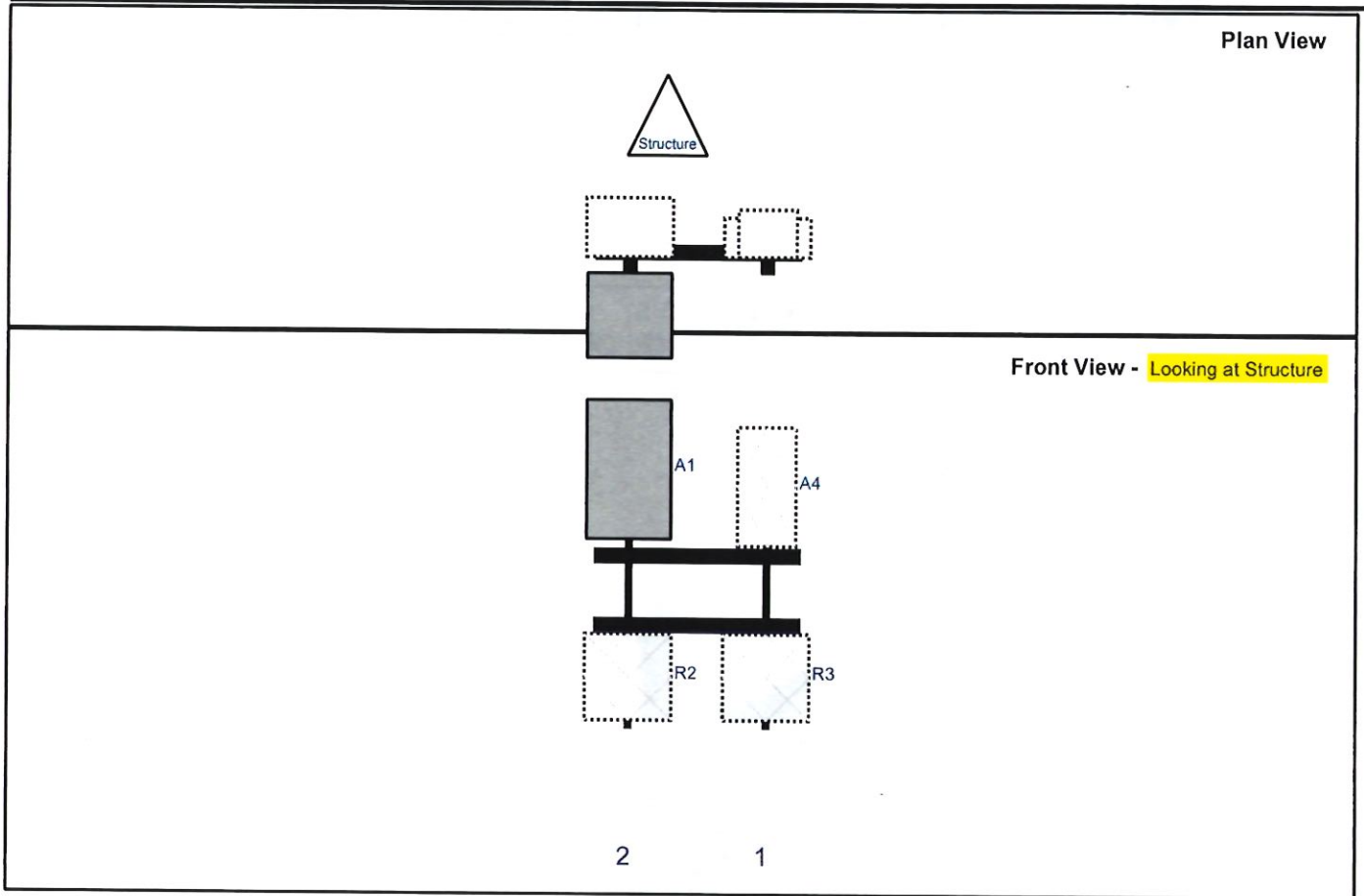
Sector: **A**
 Structure Type: Self Support
 Mount Elev: 68.00

Nominal Mount Azimuth: **310.00°**
 10353409

7/15/2026



Page: 1

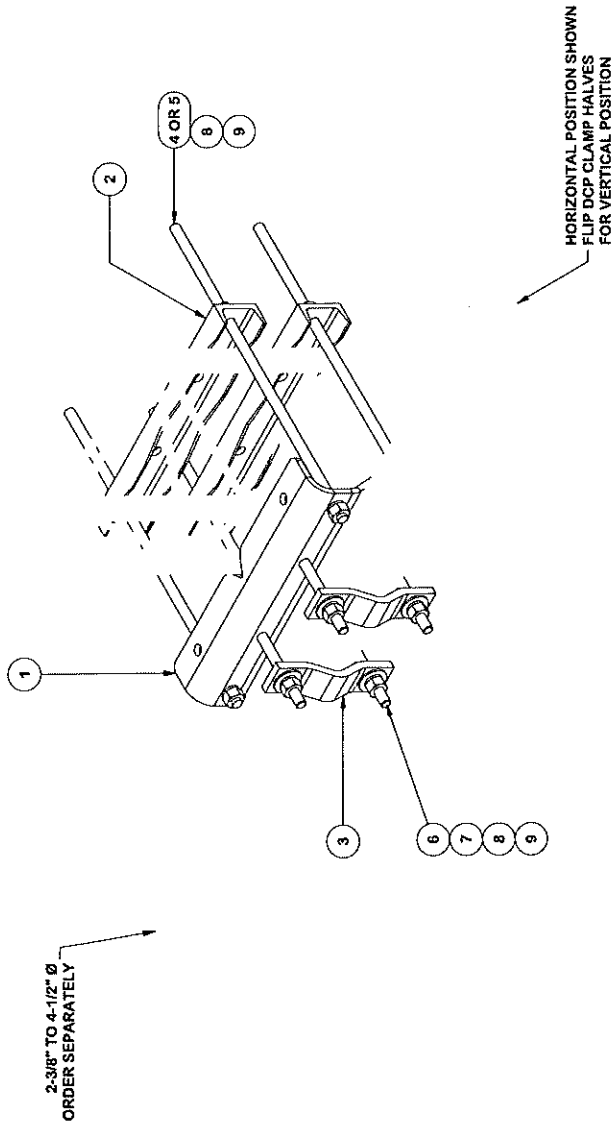


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R3	RT-8808-77A	15	15	30	1	a	Behind	39	0	Added	
A4	RRFDC-1064-PF-48	20.6	10.15	30	1	a	Behind	6	0	Retained	
A1	NNVVS4-360S-BF2	24	14.6	6	2	a	Front	3	0	Added	
R2	RF4461d-13A	15	15	6	2	a	Behind	39	0	Added	

*The Nominal Mount Azimuth provided on this document is intended for guidance and planning purposes only and may deviate from the Actual Mount Azimuth due to several real-world factors, including but not limited to Magnetic vs. True North.

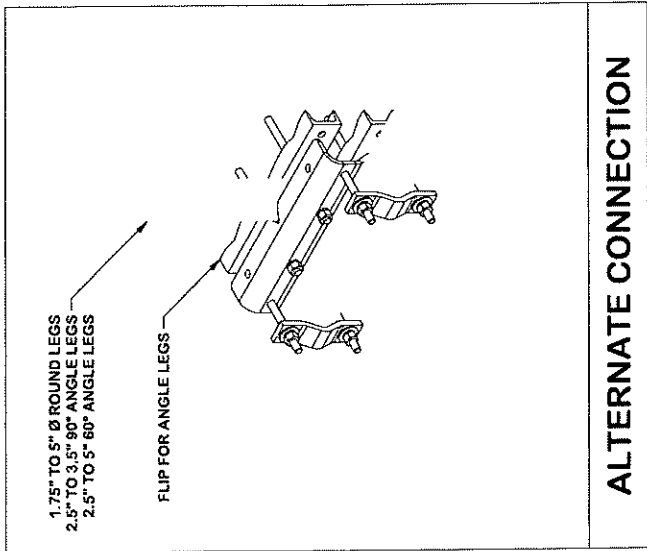
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.
1	1	X-TLC-8PL	TOWER LEG CLAMP BENT PLATE	17 1/4 in	28.58
2	2	X-TLC-CB	TOWER LEG CLAMP CHANNEL BRACKET	17 1/4 in	8.74
3	2	DCP	1/2" THICK, 5-3/4" CENTER TO CENTER CLAMP HALF	8 1/8 in	2.36
4	4	G58R-24	5/8" x 24" THREADED ROD (HDG.)		2.09
5	4	G58R-12	5/8" x 12" THREADED ROD (HDG.)		1.05
6	4	G5806	5/8" x 6" HDG HEX BOLT GRS FULL THREAD	6 in	0.62
7	4	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07
8	12	G58LW	5/8" HDG LOCKWASHER		0.03
9	12	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13
TOTAL WT. #					67.96

1.75" TO 14" Ø ROUND LEGS
2.5" TO 10" 90° ANGLE LEGS
2.5" TO 14" 60° ANGLE LEGS
#12 BREAKDOWN LEGS (12" C-C)



2-3/8" TO 4-1/2" Ø
ORDER SEPARATELY

HORIZONTAL POSITION SHOWN
FLIP DCP CLAMP HALVES
FOR VERTICAL POSITION



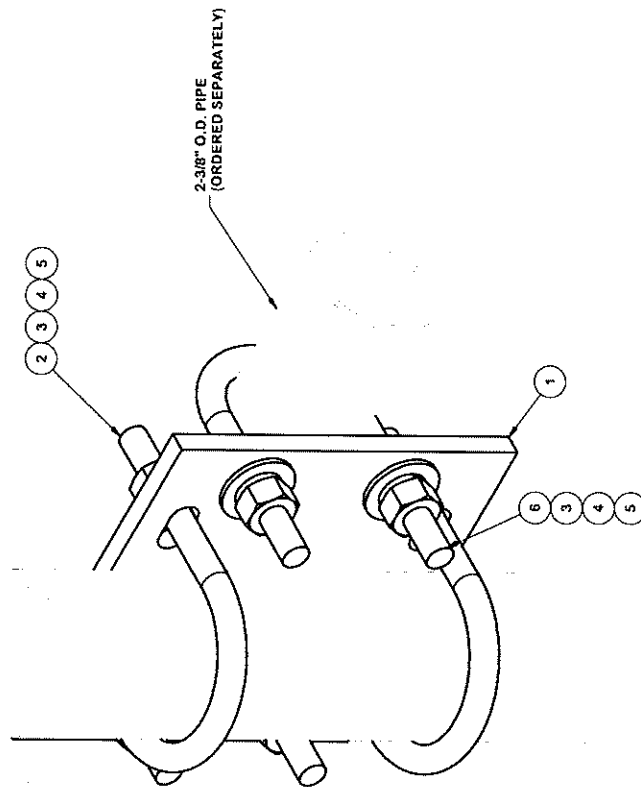
ALTERNATE CONNECTION

FINISH:
HOT DIP GALVANIZED.

TOLERANCE NOTES TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$) DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES BENDS AND ANGLES ARE $\pm 1/2$ DEGREE ALL OTHER MACHINING ($\pm 0.030"$) ALL OTHER ASSEMBLY ($\pm 0.060"$) PROPRIETARY NOTE: DIMENSIONS CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.		DESCRIPTION UNIVERSAL TOWER LEG SUPPORT		Engineering Support Team: 1-888-753-7446	
		SITE PRO 1 A valmont COMPANY		PART NO. TLS-U DWG. NO. TLS-U	
CPD NO. CMFL 6/21/2023 DRAWN BY CUSTOMER		ENG. APPROVAL 8/18/2023 CHECKED BY JET 8/18/2023		PAGE 1 OF 1	

PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.
1	1	SCX2	CROSSOVER PLATE	7 in	4.80
2	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.86
3	8	G12FW	1/2" HDG USS FLATWASHER		0.03
4	8	G12LW	1/2" HDG LOCKWASHER		0.01
5	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07
6	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63
TOTAL WT. #					8.39

2-7/8" O.D. ANTENNA PIPE
(ORDERED SEPARATELY)



2-3/8" O.D. PIPE
(ORDERED SEPARATELY)

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWED, SHEARED AND GAS CUT EDGES (± 0.0307)
 DRILLED AND GAS CUT HOLES (± 0.0307) - NO CONING OF HOLES
 LASER CUT EDGES AND HOLES (± 0.0107) - NO CONING OF HOLES
 BENDS ARE $\pm 1/2$ DEGREE
 ALL OTHER MACHINING (± 0.0307)
 ALL OTHER ASSEMBLY (± 0.0607)

PROPERTY NOTE:
 THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS PROHIBITED.

DESCRIPTION	CPD NO.	DRAWN BY	ENG. APPROVAL
CROSSOVER PLATE KIT	CEK	6/30/2011	

CLASS	SUB	DRAWING USAGE	CHECKED BY
		SHOP	BMC

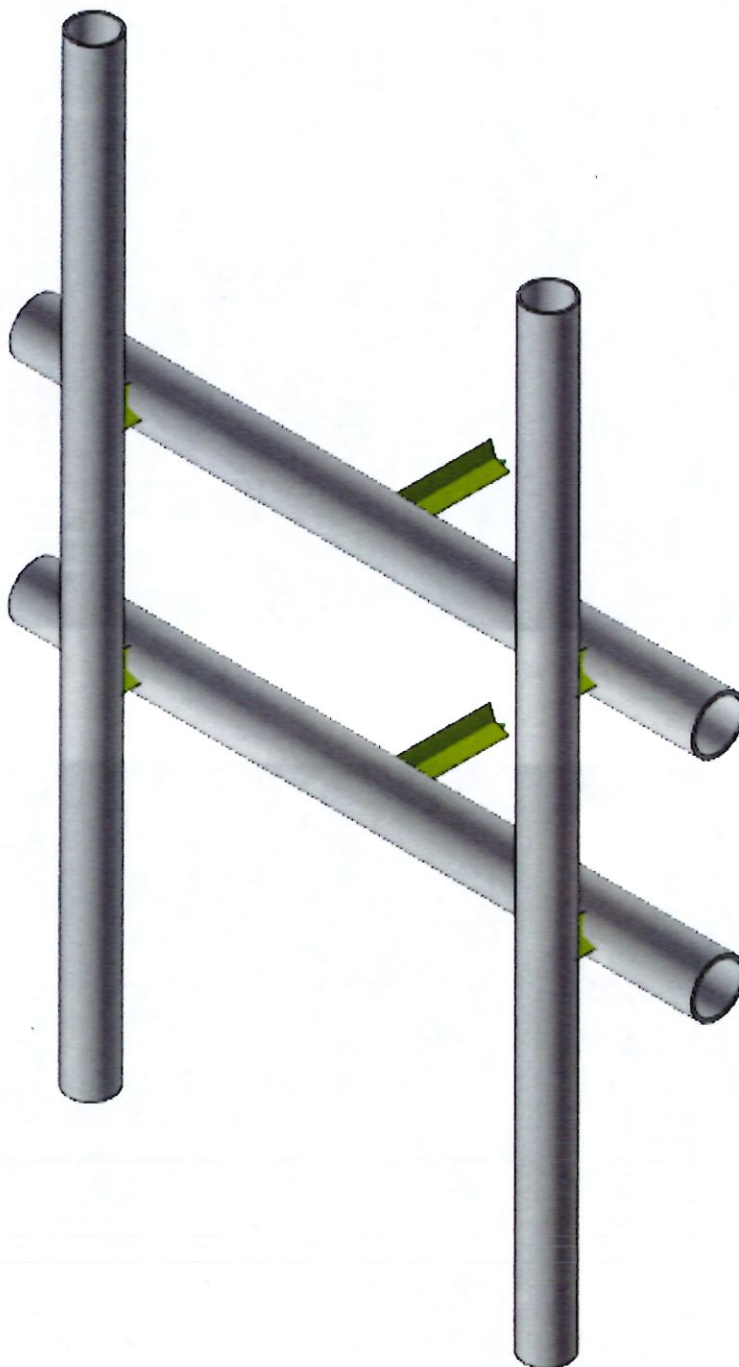
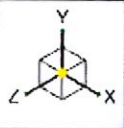
PART NO.	DWG. NO.	PAGE
SCX2-K	SCX2-K	1 OF 1

Valmont COMPANY

Locations:
 New York, NY
 Atlanta, GA
 Los Angeles, CA
 Plymouth, IN
 Salem, OR
 Dallas, TX

Engineering
 Support Team:
 1-888-753-7446





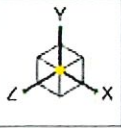
Envelope Only Solution



SK-1

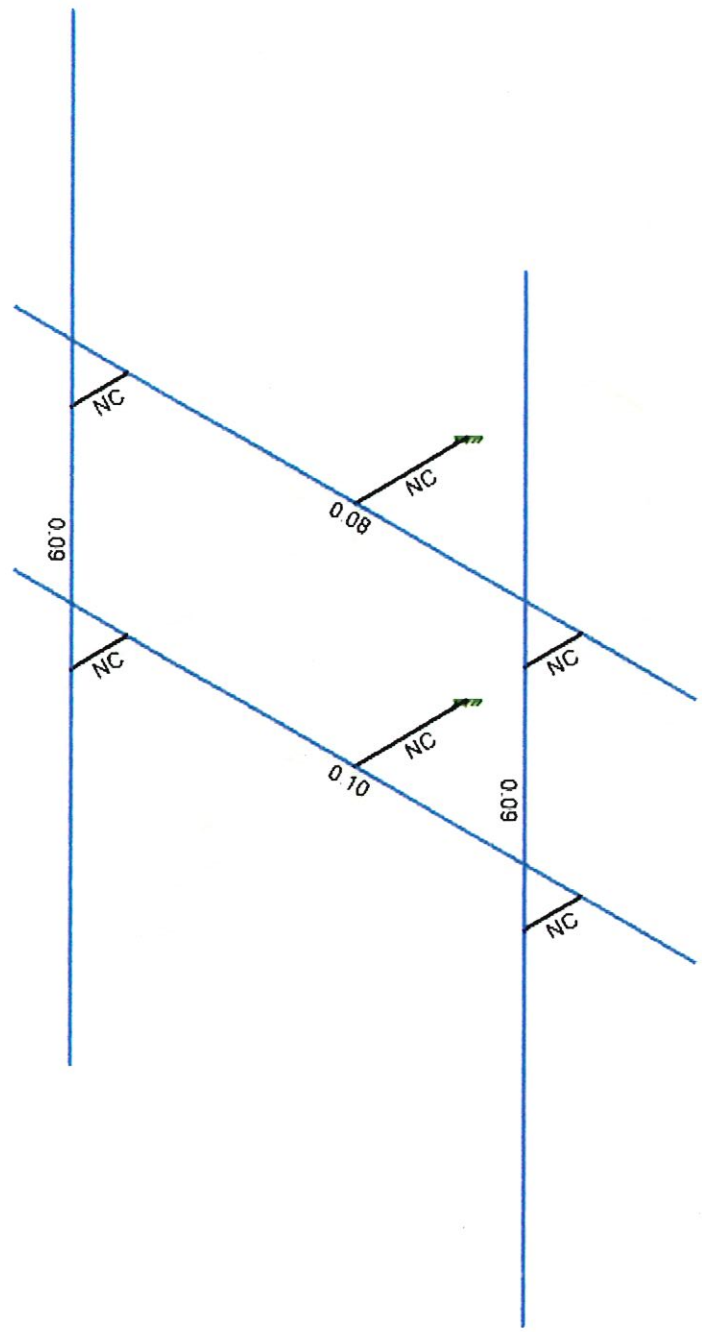
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5000121020-VZW_MT_LOT...



Code Check
(Env)

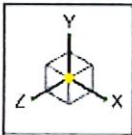
Black	No Calc
Red	> 1.0
Pink	.90-1.0
Green	.75-.90
Blue	.50-.75
Dark Blue	0-.50



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

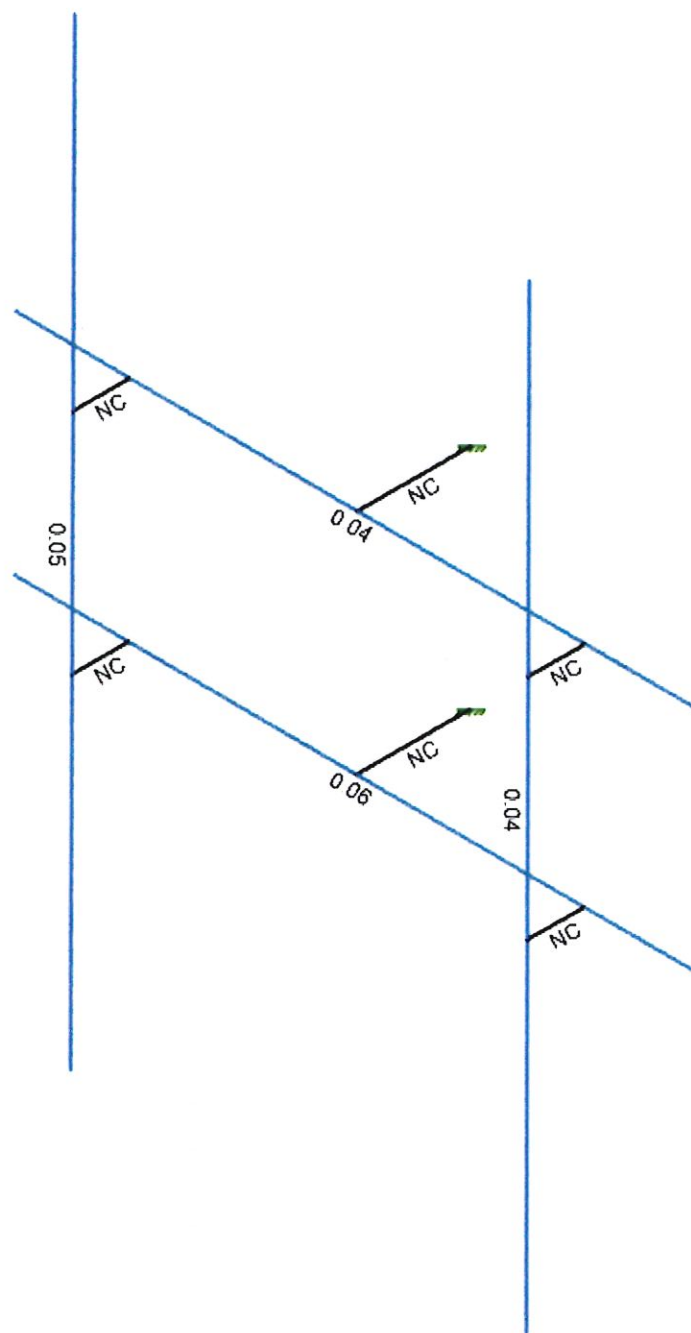


SK-2
Jul 15, 2026 at 01:45 PM
5000121020-VZW_MT_LOT...



Shear Check
(Env)

Black	No Calc
Red	> 1.0
Magenta	90-1.0
Green	75-90
Cyan	.50-.75
Blue	0-.50



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution



SK-3

Jul 15, 2026 at 01:46 PM

5000121020-VZW_MT_LOT...

Load Combinations

Description		Solve	P-Delta	BLCFactor	BLCFactor	BLCFactor	BLCFactor	BLCFactor	BLCFactor	BLCFactor	BLCFactor	BLCFactor	BLCFactor	BLCFactor	BLCFactor	BLCFactor	BLCFactor	BLCFactor
1	1.2D+1.0Wo (0 Deg)	Yes	Y	1	1.2	39	1.2	3	1	41	1							
2	1.2D+1.0Wo (30 Deg)	Yes	Y	1	1.2	39	1.2	4	1	42	1							
3	1.2D+1.0Wo (60 Deg)	Yes	Y	1	1.2	39	1.2	5	1	43	1							
4	1.2D+1.0Wo (90 Deg)	Yes	Y	1	1.2	39	1.2	6	1	44	1							
5	1.2D+1.0Wo (120 Deg)	Yes	Y	1	1.2	39	1.2	7	1	45	1							
6	1.2D+1.0Wo (150 Deg)	Yes	Y	1	1.2	39	1.2	8	1	46	1							
7	1.2D+1.0Wo (180 Deg)	Yes	Y	1	1.2	39	1.2	9	1	47	1							
8	1.2D+1.0Wo (210 Deg)	Yes	Y	1	1.2	39	1.2	10	1	48	1							
9	1.2D+1.0Wo (240 Deg)	Yes	Y	1	1.2	39	1.2	11	1	49	1							
10	1.2D+1.0Wo (270 Deg)	Yes	Y	1	1.2	39	1.2	12	1	50	1							
11	1.2D+1.0Wo (300 Deg)	Yes	Y	1	1.2	39	1.2	13	1	51	1							
12	1.2D+1.0Wo (330 Deg)	Yes	Y	1	1.2	39	1.2	14	1	52	1							
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	15	1	53	1			
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	16	1	54	1			
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	17	1	55	1			
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	18	1	56	1			
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	19	1	57	1			
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	20	1	58	1			
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	21	1	59	1			
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	22	1	60	1			
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	23	1	61	1			
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	24	1	62	1			
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	25	1	63	1			
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	26	1	64	1			
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	27	1	65	1					
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	28	1	66	1					
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	29	1	67	1					
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	30	1	68	1					
29	1.2D + 1.5Lm1 + 1.0Wm (120 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	31	1	69	1					
30	1.2D + 1.5Lm1 + 1.0Wm (150 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	32	1	70	1					
31	1.2D + 1.5Lm1 + 1.0Wm (180 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	33	1	71	1					
32	1.2D + 1.5Lm1 + 1.0Wm (210 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	34	1	72	1					
33	1.2D + 1.5Lm1 + 1.0Wm (240 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	35	1	73	1					
34	1.2D + 1.5Lm1 + 1.0Wm (270 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	36	1	74	1					
35	1.2D + 1.5Lm1 + 1.0Wm (300 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	37	1	75	1					
36	1.2D + 1.5Lm1 + 1.0Wm (330 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	38	1	76	1					
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	27	1	65	1					
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	28	1	66	1					
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	29	1	67	1					
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	30	1	68	1					
41	1.2D + 1.5Lm2 + 1.0Wm (120 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	31	1	69	1					
42	1.2D + 1.5Lm2 + 1.0Wm (150 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	32	1	70	1					
43	1.2D + 1.5Lm2 + 1.0Wm (180 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	33	1	71	1					
44	1.2D + 1.5Lm2 + 1.0Wm (210 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	34	1	72	1					
45	1.2D + 1.5Lm2 + 1.0Wm (240 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	35	1	73	1					
46	1.2D + 1.5Lm2 + 1.0Wm (270 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	36	1	74	1					
47	1.2D + 1.5Lm2 + 1.0Wm (300 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	37	1	75	1					
48	1.2D + 1.5Lm2 + 1.0Wm (330 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	38	1	76	1					
49	1.2D + 1.5Lv1	Yes	Y	1	1.2	39	1.2	79	1.5									
50	1.2D + 1.5Lv2	Yes	Y	1	1.2	39	1.2	80	1.5									
51	1.4D	Yes	Y	1	1.4	39	1.4											
52	1.2D + 1.0Ev + 1.0Eh (0 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX
53	1.2D + 1.0Ev + 1.0Eh (30 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.866	83		ELZ	0.866	ELX
54	1.2D + 1.0Ev + 1.0Eh (60 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.5	83	0.866	ELZ	0.5	ELX
55	1.2D + 1.0Ev + 1.0Eh (90 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor
56	1.2D + 1.0Ev + 1.0Eh (120 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.5	83	0.866	ELZ	-0.5	ELX	0.866
57	1.2D + 1.0Ev + 1.0Eh (150 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.866	83	0.5	ELZ	-0.866	ELX	0.5
58	1.2D + 1.0Ev + 1.0Eh (180 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX	
59	1.2D + 1.0Ev + 1.0Eh (210 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.866	83	-0.5	ELZ	-0.866	ELX	-0.5
60	1.2D + 1.0Ev + 1.0Eh (240 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.5	83	-0.866	ELZ	-0.5	ELX	-0.866
61	1.2D + 1.0Ev + 1.0Eh (270 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1
62	1.2D + 1.0Ev + 1.0Eh (300 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.5	83	-0.866	ELZ	0.5	ELX	-0.866
63	1.2D + 1.0Ev + 1.0Eh (330 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.866	83	-0.5	ELZ	0.866	ELX	-0.5
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX	
65	0.9D - 1.0Ev + 1.0Eh (30 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.866	83	0.5	ELZ	0.866	ELX	0.5
66	0.9D - 1.0Ev + 1.0Eh (60 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.5	83	0.866	ELZ	0.5	ELX	0.866
67	0.9D - 1.0Ev + 1.0Eh (90 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1
68	0.9D - 1.0Ev + 1.0Eh (120 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.5	83	0.866	ELZ	-0.5	ELX	0.866
69	0.9D - 1.0Ev + 1.0Eh (150 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.866	83	0.5	ELZ	-0.866	ELX	0.5
70	0.9D - 1.0Ev + 1.0Eh (180 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX	
71	0.9D - 1.0Ev + 1.0Eh (210 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.866	83	-0.5	ELZ	-0.866	ELX	-0.5
72	0.9D - 1.0Ev + 1.0Eh (240 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.5	83	-0.866	ELZ	-0.5	ELX	-0.866
73	0.9D - 1.0Ev + 1.0Eh (270 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1
74	0.9D - 1.0Ev + 1.0Eh (300 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.5	83	-0.866	ELZ	0.5	ELX	-0.866
75	0.9D - 1.0Ev + 1.0Eh (330 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.866	83	-0.5	ELZ	0.866	ELX	-0.5

Node Coordinates

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
1	C1	0	0.5	0.90625	
2	N6	-1	0.5	1.65625	
3	N7	1.00002	0.5	1.65625	
4	N8	-1	2	1.65625	
5	N9	1.00002	2	1.65625	
6	N10	-1	-2	1.65625	
7	N11	1.00002	-2	1.65625	
8	N12	-1	0.5	1.40625	
9	N13	1.00002	0.5	1.40625	
10	N14	-1.5	0.5	1.40625	
11	N15	1.5	0.5	1.40625	
12	N16	0	0.5	1.40625	
13	N17	0	-0.5	0.90625	
14	N18	-1	-0.5	1.65625	
15	N19	1.00002	-0.5	1.65625	
16	N20	-1	-0.5	1.40625	
17	N21	1.00002	-0.5	1.40625	
18	N22	-1.5	-0.5	1.40625	
19	N23	1.5	-0.5	1.40625	
20	N24	0	-0.5	1.40625	

Node Boundary Conditions

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot [k-ft/rad]	Y Rot [k-ft/rad]	Z Rot [k-ft/rad]
1	C1	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N17	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	Mount Pipe	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	0.627	0.627	1.25
2	New Horizontal	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

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	A992	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	0.3	0.65	0.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	0.3	0.65	0.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	0.3	0.65	0.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	0.3	0.65	0.49	35	1.6	60	1.2
7	A1085	29000	11154	0.3	0.65	0.49	50	1.4	65	1.3
8	Q235	29000	11154	0.3	0.65	0.49	35	1.5	58	1.2

Member Primary Data

	Label	I Node	J Node	Section/Shape	Type	Design List	Material	Design Rule
1	M1	C1	N16	RIGID	None	None	RIGID	Typical
2	MP1A	N9	N11	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
3	MP2A	N8	N10	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
4	M4	N6	N12	RIGID	None	None	RIGID	Typical
5	M5	N7	N13	RIGID	None	None	RIGID	Typical
6	M6	N14	N15	New Horizontal	Beam	Pipe	A53 Gr.B	Typical
7	M7	N17	N24	RIGID	None	None	RIGID	Typical
8	M8	N18	N20	RIGID	None	None	RIGID	Typical
9	M9	N19	N21	RIGID	None	None	RIGID	Typical
10	M10	N22	N23	New Horizontal	Beam	Pipe	A53 Gr.B	Typical

Member Advanced Data

	Label	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
1	M1		Yes	** NA **	None
2	MP1A		Yes	Default	None
3	MP2A		Yes	Default	None
4	M4		Yes	** NA **	None
5	M5		Yes	** NA **	None
6	M6		Yes	Default	None
7	M7		Yes	** NA **	None
8	M8		Yes	** NA **	None
9	M9		Yes	** NA **	None
10	M10		Yes	Default	None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	Y	-32	0.25
2	MP2A	My	0	0.25
3	MP2A	Mz	0	0.25
4	MP2A	Y	-79.1	3.25
5	MP2A	My	0.04	3.25
6	MP2A	Mz	0	3.25
7	MP1A	Y	-59.5	3.25

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
8	MP1A	My	0.03	3.25
9	MP1A	Mz	0	3.25
10	MP1A	Y	-14	0.5
11	MP1A	My	0.007	0.5
12	MP1A	Mz	0	0.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	Y	24.6	0.25
2	MP2A	My	0	0.25
3	MP2A	Mz	0	0.25
4	MP2A	Y	-41.895	3.25
5	MP2A	My	0.021	3.25
6	MP2A	Mz	0	3.25
7	MP1A	Y	-34.389	3.25
8	MP1A	My	0.017	3.25
9	MP1A	Mz	0	3.25
10	MP1A	Y	-36.933	0.5
11	MP1A	My	0.018	0.5
12	MP1A	Mz	0	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	0	0.25
2	MP2A	Z	-48.184	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	0	3.25
5	MP2A	Z	-74.466	3.25
6	MP2A	Mx	0	3.25
7	MP1A	X	0	3.25
8	MP1A	Z	-74.466	3.25
9	MP1A	Mx	0	3.25
10	MP1A	X	0	0.5
11	MP1A	Z	-126.234	0.5
12	MP1A	Mx	0	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	24.092	0.25
2	MP2A	Z	-41.728	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	34.271	3.25
5	MP2A	Z	-59.36	3.25
6	MP2A	Mx	0.017	3.25
7	MP1A	X	32.156	3.25
8	MP1A	Z	-55.695	3.25
9	MP1A	Mx	0.016	3.25
10	MP1A	X	59.334	0.5
11	MP1A	Z	-102.769	0.5
12	MP1A	Mx	0.03	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	41.728	0.25
2	MP2A	Z	-24.092	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	49.1	3.25
5	MP2A	Z	-28.348	3.25
6	MP2A	Mx	0.025	3.25
7	MP1A	X	38.107	3.25
8	MP1A	Z	-22.001	3.25
9	MP1A	Mx	0.019	3.25
10	MP1A	X	89.664	0.5
11	MP1A	Z	-51.768	0.5
12	MP1A	Mx	0.045	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	48.184	0.25
2	MP2A	Z	0	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	50.772	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	0.025	3.25
7	MP1A	X	33.848	3.25
8	MP1A	Z	0	3.25
9	MP1A	Mx	0.017	3.25
10	MP1A	X	95.97	0.5
11	MP1A	Z	0	0.5
12	MP1A	Mx	0.048	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	41.728	0.25
2	MP2A	Z	24.092	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	49.1	3.25
5	MP2A	Z	28.348	3.25
6	MP2A	Mx	0.025	3.25
7	MP1A	X	38.107	3.25
8	MP1A	Z	22.001	3.25
9	MP1A	Mx	0.019	3.25
10	MP1A	X	89.664	0.5
11	MP1A	Z	51.768	0.5
12	MP1A	Mx	0.045	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	24.092	0.25
2	MP2A	Z	41.728	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	34.271	3.25
5	MP2A	Z	59.36	3.25
6	MP2A	Mx	0.017	3.25

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
7	MP1A	X	32.156	3.25
8	MP1A	Z	55.695	3.25
9	MP1A	Mx	0.016	3.25
10	MP1A	X	59.334	0.5
11	MP1A	Z	102.769	0.5
12	MP1A	Mx	0.03	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	0	0.25
2	MP2A	Z	48.184	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	0	3.25
5	MP2A	Z	74.466	3.25
6	MP2A	Mx	0	3.25
7	MP1A	X	0	3.25
8	MP1A	Z	74.466	3.25
9	MP1A	Mx	0	3.25
10	MP1A	X	0	0.5
11	MP1A	Z	126.234	0.5
12	MP1A	Mx	0	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-24.092	0.25
2	MP2A	Z	41.728	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-34.271	3.25
5	MP2A	Z	59.36	3.25
6	MP2A	Mx	-0.017	3.25
7	MP1A	X	-32.156	3.25
8	MP1A	Z	55.695	3.25
9	MP1A	Mx	-0.016	3.25
10	MP1A	X	-59.334	0.5
11	MP1A	Z	102.769	0.5
12	MP1A	Mx	-0.03	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-41.728	0.25
2	MP2A	Z	24.092	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-49.1	3.25
5	MP2A	Z	28.348	3.25
6	MP2A	Mx	-0.025	3.25
7	MP1A	X	-38.107	3.25
8	MP1A	Z	22.001	3.25
9	MP1A	Mx	-0.019	3.25
10	MP1A	X	-89.664	0.5
11	MP1A	Z	51.768	0.5
12	MP1A	Mx	-0.045	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-48.184	0.25
2	MP2A	Z	0	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-50.772	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	-0.025	3.25
7	MP1A	X	-33.848	3.25
8	MP1A	Z	0	3.25
9	MP1A	Mx	-0.017	3.25
10	MP1A	X	-95.97	0.5
11	MP1A	Z	0	0.5
12	MP1A	Mx	-0.048	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-41.728	0.25
2	MP2A	Z	-24.092	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-49.1	3.25
5	MP2A	Z	-28.348	3.25
6	MP2A	Mx	-0.025	3.25
7	MP1A	X	-38.107	3.25
8	MP1A	Z	-22.001	3.25
9	MP1A	Mx	-0.019	3.25
10	MP1A	X	-89.664	0.5
11	MP1A	Z	-51.768	0.5
12	MP1A	Mx	-0.045	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-24.092	0.25
2	MP2A	Z	-41.728	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-34.271	3.25
5	MP2A	Z	-59.36	3.25
6	MP2A	Mx	-0.017	3.25
7	MP1A	X	-32.156	3.25
8	MP1A	Z	-55.695	3.25
9	MP1A	Mx	-0.016	3.25
10	MP1A	X	-59.334	0.5
11	MP1A	Z	-102.769	0.5
12	MP1A	Mx	-0.03	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	0	0.25
2	MP2A	Z	-13.566	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	0	3.25
5	MP2A	Z	-14.087	3.25
6	MP2A	Mx	0	3.25

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
7	MP1A	X	0	3.25
8	MP1A	Z	-14.087	3.25
9	MP1A	Mx	0	3.25
10	MP1A	X	0	0.5
11	MP1A	Z	-13.292	0.5
12	MP1A	Mx	0	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	6.783	0.25
2	MP2A	Z	-11.749	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	6.526	3.25
5	MP2A	Z	-11.303	3.25
6	MP2A	Mx	0.003	3.25
7	MP1A	X	6.159	3.25
8	MP1A	Z	-10.668	3.25
9	MP1A	Mx	0.003	3.25
10	MP1A	X	6.366	0.5
11	MP1A	Z	-11.027	0.5
12	MP1A	Mx	0.003	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	11.749	0.25
2	MP2A	Z	-6.783	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	9.509	3.25
5	MP2A	Z	-5.49	3.25
6	MP2A	Mx	0.005	3.25
7	MP1A	X	7.603	3.25
8	MP1A	Z	-4.39	3.25
9	MP1A	Mx	0.004	3.25
10	MP1A	X	10.057	0.5
11	MP1A	Z	-5.806	0.5
12	MP1A	Mx	0.005	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	13.566	0.25
2	MP2A	Z	0	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	9.945	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	0.005	3.25
7	MP1A	X	7.011	3.25
8	MP1A	Z	0	3.25
9	MP1A	Mx	0.004	3.25
10	MP1A	X	11.053	0.5
11	MP1A	Z	0	0.5
12	MP1A	Mx	0.006	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	11.749	0.25
2	MP2A	Z	6.783	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	9.509	3.25
5	MP2A	Z	5.49	3.25
6	MP2A	Mx	0.005	3.25
7	MP1A	X	7.603	3.25
8	MP1A	Z	4.39	3.25
9	MP1A	Mx	0.004	3.25
10	MP1A	X	10.057	0.5
11	MP1A	Z	5.806	0.5
12	MP1A	Mx	0.005	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	6.783	0.25
2	MP2A	Z	11.749	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	6.526	3.25
5	MP2A	Z	11.303	3.25
6	MP2A	Mx	0.003	3.25
7	MP1A	X	6.159	3.25
8	MP1A	Z	10.668	3.25
9	MP1A	Mx	0.003	3.25
10	MP1A	X	6.366	0.5
11	MP1A	Z	11.027	0.5
12	MP1A	Mx	0.003	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	0	0.25
2	MP2A	Z	13.566	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	0	3.25
5	MP2A	Z	14.087	3.25
6	MP2A	Mx	0	3.25
7	MP1A	X	0	3.25
8	MP1A	Z	14.087	3.25
9	MP1A	Mx	0	3.25
10	MP1A	X	0	0.5
11	MP1A	Z	13.292	0.5
12	MP1A	Mx	0	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-6.783	0.25
2	MP2A	Z	11.749	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-6.526	3.25
5	MP2A	Z	11.303	3.25
6	MP2A	Mx	-0.003	3.25

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
7	MP1A	X	-6.159	3.25
8	MP1A	Z	10.668	3.25
9	MP1A	Mx	-0.003	3.25
10	MP1A	X	-6.366	0.5
11	MP1A	Z	11.027	0.5
12	MP1A	Mx	-0.003	0.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-11.749	0.25
2	MP2A	Z	6.783	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-9.509	3.25
5	MP2A	Z	5.49	3.25
6	MP2A	Mx	-0.005	3.25
7	MP1A	X	-7.603	3.25
8	MP1A	Z	4.39	3.25
9	MP1A	Mx	-0.004	3.25
10	MP1A	X	-10.057	0.5
11	MP1A	Z	5.806	0.5
12	MP1A	Mx	-0.005	0.5

Member Point Loads (BLC 24 : Antenna Wi (270 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-13.566	0.25
2	MP2A	Z	0	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-9.945	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	-0.005	3.25
7	MP1A	X	-7.011	3.25
8	MP1A	Z	0	3.25
9	MP1A	Mx	-0.004	3.25
10	MP1A	X	-11.053	0.5
11	MP1A	Z	0	0.5
12	MP1A	Mx	-0.006	0.5

Member Point Loads (BLC 25 : Antenna Wi (300 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-11.749	0.25
2	MP2A	Z	-6.783	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-9.509	3.25
5	MP2A	Z	-5.49	3.25
6	MP2A	Mx	-0.005	3.25
7	MP1A	X	-7.603	3.25
8	MP1A	Z	-4.39	3.25
9	MP1A	Mx	-0.004	3.25
10	MP1A	X	-10.057	0.5
11	MP1A	Z	-5.806	0.5
12	MP1A	Mx	-0.005	0.5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-6.783	0.25
2	MP2A	Z	-11.749	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-6.526	3.25
5	MP2A	Z	-11.303	3.25
6	MP2A	Mx	-0.003	3.25
7	MP1A	X	-6.159	3.25
8	MP1A	Z	-10.668	3.25
9	MP1A	Mx	-0.003	3.25
10	MP1A	X	-6.366	0.5
11	MP1A	Z	-11.027	0.5
12	MP1A	Mx	-0.003	0.5

Member Point Loads (BLC 27 : Antenna Wm (0 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	0	0.25
2	MP2A	Z	-2.775	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	0	3.25
5	MP2A	Z	-4.289	3.25
6	MP2A	Mx	0	3.25
7	MP1A	X	0	3.25
8	MP1A	Z	-4.289	3.25
9	MP1A	Mx	0	3.25
10	MP1A	X	0	0.5
11	MP1A	Z	-9.312	0.5
12	MP1A	Mx	0	0.5

Member Point Loads (BLC 28 : Antenna Wm (30 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	1.041	0.25
2	MP2A	Z	-1.803	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	1.974	3.25
5	MP2A	Z	-3.419	3.25
6	MP2A	Mx	0.000987	3.25
7	MP1A	X	1.852	3.25
8	MP1A	Z	-3.208	3.25
9	MP1A	Mx	0.000926	3.25
10	MP1A	X	3.897	0.5
11	MP1A	Z	-6.75	0.5
12	MP1A	Mx	0.002	0.5

Member Point Loads (BLC 29 : Antenna Wm (60 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	0.601	0.25
2	MP2A	Z	-0.347	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	2.828	3.25
5	MP2A	Z	-1.633	3.25
6	MP2A	Mx	0.001	3.25

Member Point Loads (BLC 29 : Antenna Wm (60 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
7	MP1A	X	2.195	3.25
8	MP1A	Z	-1.267	3.25
9	MP1A	Mx	0.001	3.25
10	MP1A	X	4.119	0.5
11	MP1A	Z	-2.378	0.5
12	MP1A	Mx	0.002	0.5

Member Point Loads (BLC 30 : Antenna Wm (90 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	0	0.25
2	MP2A	Z	0	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	2.924	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	0.001	3.25
7	MP1A	X	1.95	3.25
8	MP1A	Z	0	3.25
9	MP1A	Mx	0.000975	3.25
10	MP1A	X	3.237	0.5
11	MP1A	Z	0	0.5
12	MP1A	Mx	0.002	0.5

Member Point Loads (BLC 31 : Antenna Wm (120 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	0.601	0.25
2	MP2A	Z	0.347	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	2.828	3.25
5	MP2A	Z	1.633	3.25
6	MP2A	Mx	0.001	3.25
7	MP1A	X	2.195	3.25
8	MP1A	Z	1.267	3.25
9	MP1A	Mx	0.001	3.25
10	MP1A	X	4.119	0.5
11	MP1A	Z	2.378	0.5
12	MP1A	Mx	0.002	0.5

Member Point Loads (BLC 32 : Antenna Wm (150 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	1.041	0.25
2	MP2A	Z	1.803	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	1.974	3.25
5	MP2A	Z	3.419	3.25
6	MP2A	Mx	0.000987	3.25
7	MP1A	X	1.852	3.25
8	MP1A	Z	3.208	3.25
9	MP1A	Mx	0.000926	3.25
10	MP1A	X	3.897	0.5
11	MP1A	Z	6.75	0.5
12	MP1A	Mx	0.002	0.5

Member Point Loads (BLC 33 : Antenna Wm (180 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	0	0.25
2	MP2A	Z	2.775	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	0	3.25
5	MP2A	Z	4.289	3.25
6	MP2A	Mx	0	3.25
7	MP1A	X	0	3.25
8	MP1A	Z	4.289	3.25
9	MP1A	Mx	0	3.25
10	MP1A	X	0	0.5
11	MP1A	Z	9.312	0.5
12	MP1A	Mx	0	0.5

Member Point Loads (BLC 34 : Antenna Wm (210 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-1.041	0.25
2	MP2A	Z	1.803	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-1.974	3.25
5	MP2A	Z	3.419	3.25
6	MP2A	Mx	-0.000987	3.25
7	MP1A	X	-1.852	3.25
8	MP1A	Z	3.208	3.25
9	MP1A	Mx	-0.000926	3.25
10	MP1A	X	-3.897	0.5
11	MP1A	Z	6.75	0.5
12	MP1A	Mx	-0.002	0.5

Member Point Loads (BLC 35 : Antenna Wm (240 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-0.601	0.25
2	MP2A	Z	0.347	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-2.828	3.25
5	MP2A	Z	1.633	3.25
6	MP2A	Mx	-0.001	3.25
7	MP1A	X	-2.195	3.25
8	MP1A	Z	1.267	3.25
9	MP1A	Mx	-0.001	3.25
10	MP1A	X	-4.119	0.5
11	MP1A	Z	2.378	0.5
12	MP1A	Mx	-0.002	0.5

Member Point Loads (BLC 36 : Antenna Wm (270 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	0	0.25
2	MP2A	Z	0	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-2.924	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	-0.001	3.25

Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
7	MP1A	X	-1.95	3.25
8	MP1A	Z	0	3.25
9	MP1A	Mx	-0.000975	3.25
10	MP1A	X	-3.237	0.5
11	MP1A	Z	0	0.5
12	MP1A	Mx	-0.002	0.5

Member Point Loads (BLC 37 : Antenna Wm (300 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-0.601	0.25
2	MP2A	Z	-0.347	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-2.828	3.25
5	MP2A	Z	-1.633	3.25
6	MP2A	Mx	-0.001	3.25
7	MP1A	X	-2.195	3.25
8	MP1A	Z	-1.267	3.25
9	MP1A	Mx	-0.001	3.25
10	MP1A	X	-4.119	0.5
11	MP1A	Z	-2.378	0.5
12	MP1A	Mx	-0.002	0.5

Member Point Loads (BLC 38 : Antenna Wm (330 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	-1.041	0.25
2	MP2A	Z	-1.803	0.25
3	MP2A	Mx	0	0.25
4	MP2A	X	-1.974	3.25
5	MP2A	Z	-3.419	3.25
6	MP2A	Mx	-0.000987	3.25
7	MP1A	X	-1.852	3.25
8	MP1A	Z	-3.208	3.25
9	MP1A	Mx	-0.000926	3.25
10	MP1A	X	-3.897	0.5
11	MP1A	Z	-6.75	0.5
12	MP1A	Mx	-0.002	0.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	M8	Y	-500	%100

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	M9	Y	-500	%100

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	M10	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	M10	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	Y	-1.352	0.25
2	MP2A	My	0	0.25
3	MP2A	Mz	0	0.25
4	MP2A	Y	-3.341	3.25
5	MP2A	My	0.002	3.25
6	MP2A	Mz	0	3.25
7	MP1A	Y	-2.513	3.25
8	MP1A	My	0.001	3.25
9	MP1A	Mz	0	3.25
10	MP1A	Y	-0.591	0.5
11	MP1A	My	0.000296	0.5
12	MP1A	Mz	0	0.5

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	Z	-3.379	0.25
2	MP2A	Mx	0	0.25
3	MP2A	Z	-8.353	3.25
4	MP2A	Mx	0	3.25
5	MP1A	Z	-6.283	3.25
6	MP1A	Mx	0	3.25
7	MP1A	Z	-1.478	0.5
8	MP1A	Mx	0	0.5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP2A	X	3.379	0.25
2	MP2A	Mx	0	0.25
3	MP2A	X	8.353	3.25
4	MP2A	Mx	0.004	3.25
5	MP1A	X	6.283	3.25
6	MP1A	Mx	0.003	3.25
7	MP1A	X	1.478	0.5
8	MP1A	Mx	0.000739	0.5

Member Area Loads

No Data to Print...				
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Envelope Node Reactions

Node Label		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
1	C1	max	258.495	36	455.854	25	264.602	1	-0.008	1	0.143	32	0.207	48
2		min	-229.055	42	46.405	7	-260.358	7	-0.264	31	-0.132	38	-0.23	30
3	N17	max	227.693	46	598.821	43	180.516	1	-0.034	70	0.127	46	0.28	42
4		min	-257.133	28	84.82	1	-184.76	7	-0.241	50	-0.138	28	-0.318	36
5	Totals:	max	297.724	10	1044.285	41	445.118	1						