



Maser Consulting Connecticut
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Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10037942
Maser Consulting Connecticut Project #: 21777074A

March 30, 2021

Site Information

Site ID: 468991-VZW / N BRANFORD CT
Site Name: N BRANFORD CT
Carrier Name: Verizon Wireless
Address: 83 Reeds Gap Rd
North Branford, Connecticut 06471
New Haven County
Latitude: 41.403428°
Longitude: -72.744261°

Structure Information

Tower Type: 94-Ft Self Support
Mount Type: 12.67-Ft Sector Frame

FUZE ID # 16272007

Analysis Results

Sector Frame: 35.6% Pass

*****Contractor PMI Requirements:**

Included at the end of this MA report

Available & Submitted via portal at <https://pmi.vzwsmart.com>

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Zachary Telljohann

Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

This analysis is inclusive of the mount structure only and does not address the structural capacity of the supporting structure. This mounting frame was not analyzed as an anchor attachment point for fall protection. All climbing activities are required to have a fall protection plan completed by a competent person.

Sources of Information:

Document Type	Remarks
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS Site ID: 324528, dated March 17, 2021</i>
<i>Mount Mapping Report</i>	<i>Level-Up Towers, Site ID: 467144, dated February 20, 2021</i>

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.979
Seismic Parameters:	S_s : 0.208 S_1 : 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

The following equipment has been considered for the analysis of the mounts:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
89.00	90.00	3	Samsung	MT6407-77A	Added
		4	Andrew	DB844G65ZAXY	Retained
		2	Amphenol Antel	LPA-80063-6CF-EDIN	
		6	Commscope	JAHH-65B-R3B	
		3	Commscope	CBC78T-DS-43	
		2	Raycap	RxxDC-3315-PF-48	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.

Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the Mount Mapping Report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.

The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
- Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - HSS (Rectangular) ASTM 500 (Gr. B-46)
 - Pipe ASTM A53 (Gr. B-35)
 - Threaded Rod F1554 (Gr. 36)
 - Bolts ASTM A325

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Maser Consulting Connecticut.

Analysis Results:

Component	Utilization %	Pass/Fail
<i>Antenna Pipe</i>	<i>30.8%</i>	<i>Pass</i>
<i>Standoff Vertical</i>	<i>5.8%</i>	<i>Pass</i>
<i>Tieback</i>	<i>5.1%</i>	<i>Pass</i>
<i>Standoff Diagonal</i>	<i>6.6%</i>	<i>Pass</i>
<i>Standoff Plate</i>	<i>35.6%</i>	<i>Pass</i>
<i>Standoff Horizontal</i>	<i>28.9%</i>	<i>Pass</i>
<i>Horizontal mount pipe</i>	<i>30.8%</i>	<i>Pass</i>
<i>Connection Check</i>	<i>11.9%</i>	<i>Pass</i>

Structure Rating – (Controlling Utilization of all Components)	35.6%
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Recommendation:

The existing mounts are **SUFFICIENT** for the final loading configuration and do not require modifications.

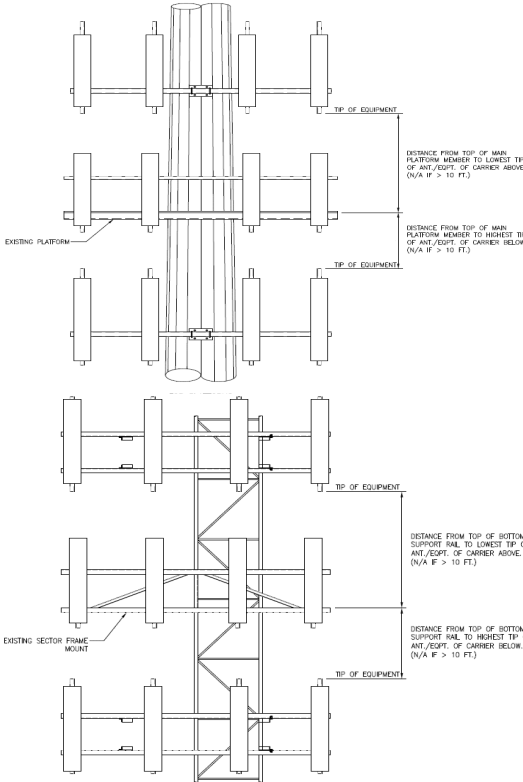
ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
- 4. Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter



Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector		Sector B										
Sector A:	30.00	Deg	Leg A:		Deg	Ant _{1a}	No Label	10.00	8.00	41.00		87.7292	36.00	7.00	150.00	110
Sector B:	150.00	Deg	Leg B:		Deg	Ant _{1b}										
Sector C:	270.00	Deg	Leg C:		Deg	Ant _{2a}	Samsung RFV01U-D2A	15.00	8.00	15.00		86.8958	46.00	-8.00	150.00	59
Sector D:		Deg	Leg D:		Deg	Ant _{2b}										
Climbing Facility Information						Ant _{2c}										
Location:	A	Deg	Sector A			Ant _{3a}	Commscope JAHH-65	14.00	8.00	72.00		88.1458	31.00	12.00	150.00	63
Climbing Facility	Corrosion Type:		Good condition.			Ant _{3b}	Commscope JAHH-65	14.00	8.00	72.00		88.1458	31.00	12.00	150.00	63
	Access:		Climbing path was unobstructed.			Ant _{3c}	Samsung RFV01U-D2A	15.00	8.00	15.00		86.8958	46.00	-8.00	150.00	111
	Condition:		Good condition.			Ant _{4a}	No Label	10.00	8.00	41.00		87.7292	36.00	7.00	150.00	112
						Ant _{4b}										
						Ant _{4c}										
						Ant _{5a}										
						Ant _{5b}										
						Ant _{5c}										
						Ant on Standoff										
						Ant on Standoff										
						Ant on Tower										
						Ant on Tower										
						Sector C										
Ant _{1a}	Amphenol LPA-80063	14.00	12.00	71.00		87.8125	35.00	16.00	270.00	114						
Ant _{1b}																
Ant _{1c}																
Ant _{2a}	Samsung RFV01U-D2A	15.00	8.00	15.00		86.8958	46.00	-8.00	270.00	86						
Ant _{2b}																
Ant _{2c}																
Ant _{3a}	Commscope JAHH-65	14.00	8.00	72.00		88.1458	31.00	12.00	270.00	89						
Ant _{3b}	Commscope JAHH-65	14.00	8.00	72.00		88.1458	31.00	12.00	270.00	89						
Ant _{3c}	Samsung RFV01U-D2A	15.00	8.00	15.00		86.8958	46.00	-8.00	270.00	87						
Ant _{4a}	Amphenol LPA-80063	14.00	12.00	71.00		87.8125	35.00	16.00	270.00	117						
Ant _{4b}																
Ant _{4c}																
Ant _{5a}																
Ant _{5b}																
Ant _{5c}																
Ant on Standoff																
Ant on Standoff																
Ant on Tower																
Ant on Tower																
						Sector D										
Ant _{1a}																
Ant _{1b}																
Ant _{1c}																
Ant _{2a}																
Ant _{2b}																
Ant _{2c}																
Ant _{3a}																
Ant _{3b}																
Ant _{3c}																
Ant _{4a}																
Ant _{4b}																
Ant _{4c}																
Ant _{5a}																
Ant _{5b}																
Ant _{5c}																
Ant on Standoff																
Ant on Standoff																
Ant on Tower																
Ant on Tower																



Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #



Antenna Mount Mapping Form (PATENT PENDING)

FCC #

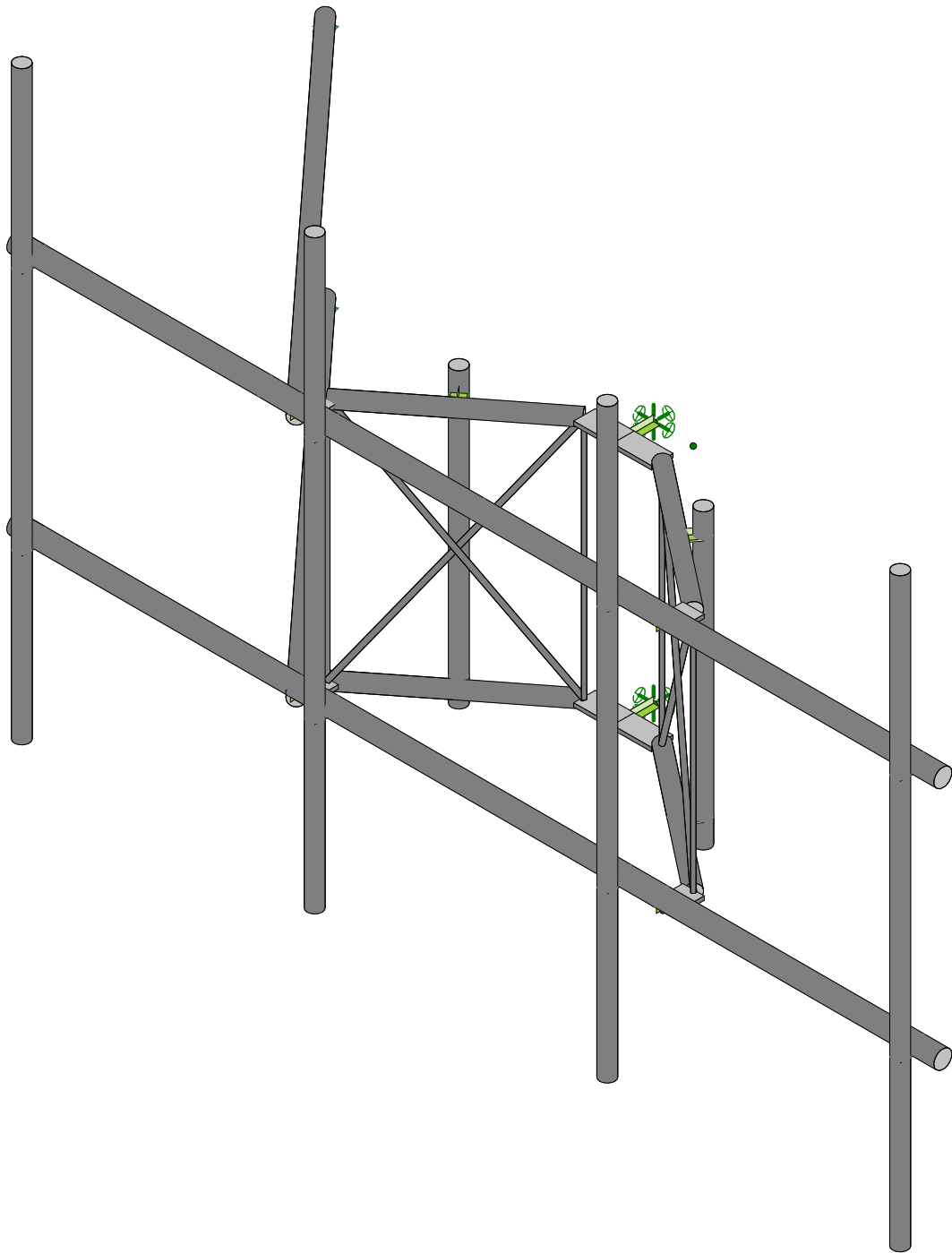
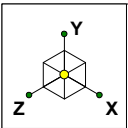
Tower Owner:	SBA	Mapping Date:	2/20/2021
Site Name:	N BRANFORD CT	Tower Type:	Self Support
Site Number or ID:	467144	Tower Height (FT):	94
Mapping Contractor:	Level-Up Towers	Mount Elevation (FT):	90

This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

Please Insert Sketches of the Antenna Mount





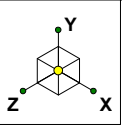


Envelope Only Solution

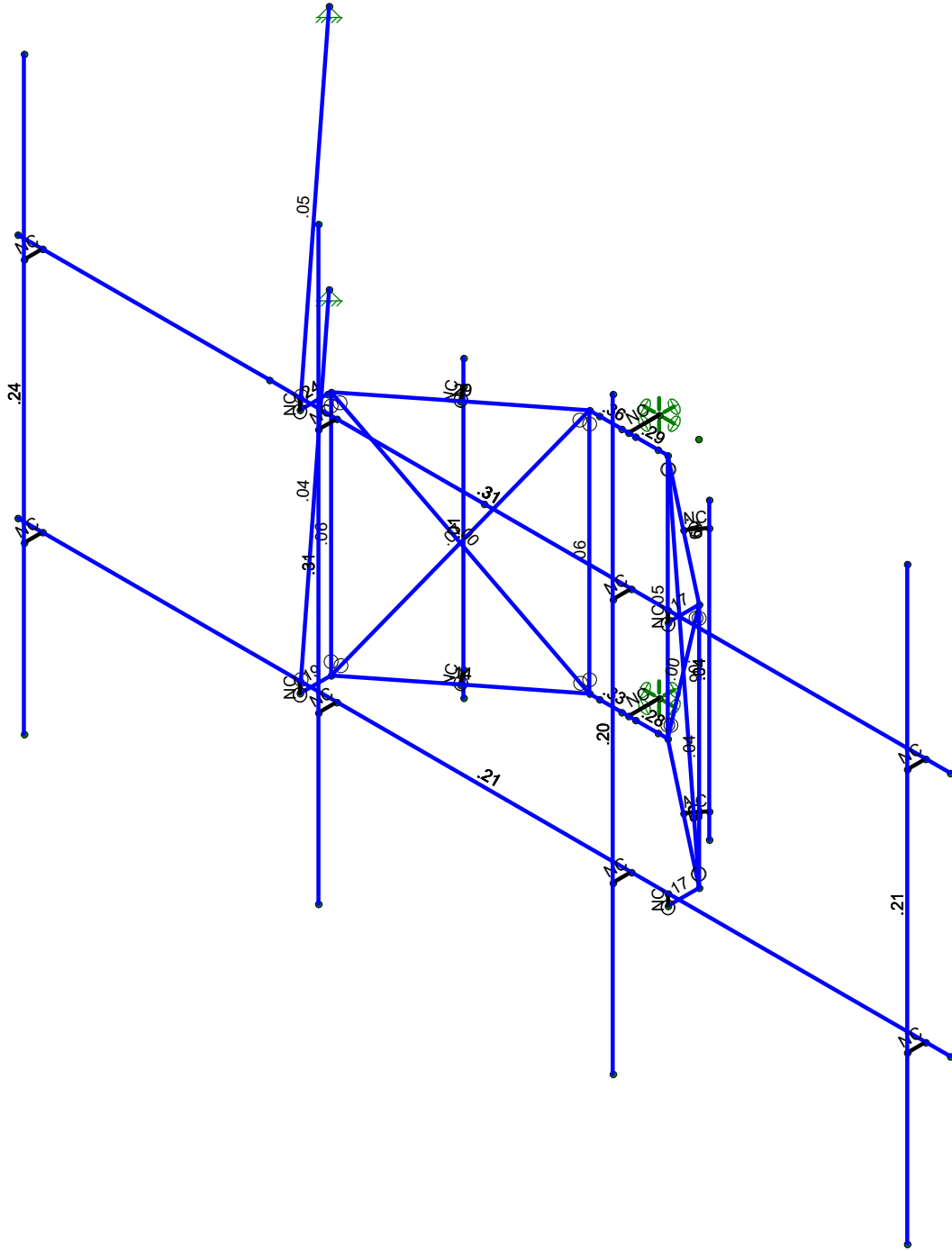
SK - 1

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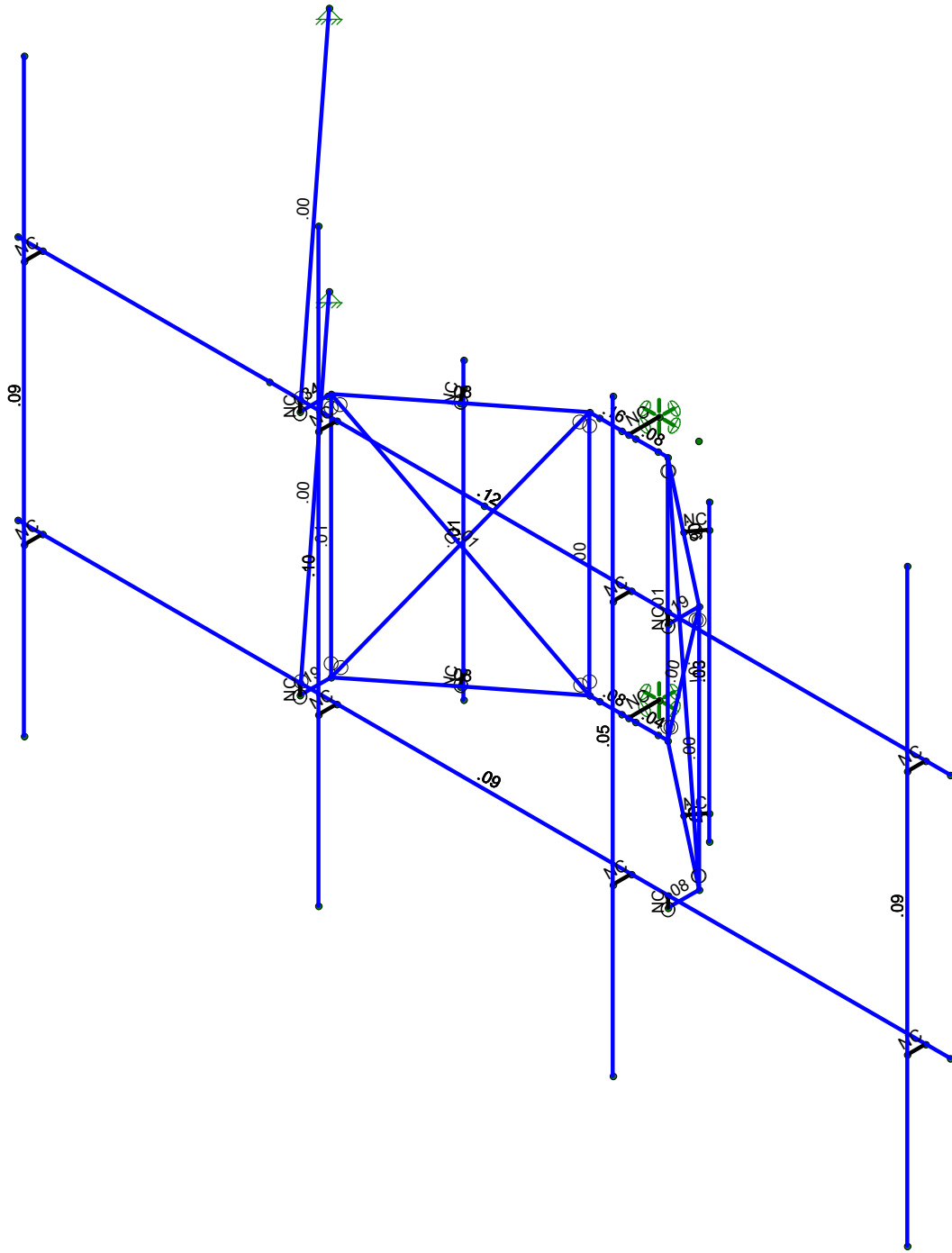
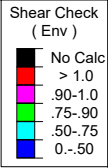
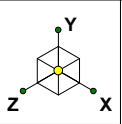


Code Check (Env)	
Black	No Calc
Red	> 1.0
Pink	.90-1.0
Green	.75-.90
Cyan	.50-.75
Blue	0-.50



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
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Member Shear Checks Displayed (Enveloped)
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SK - 3

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Company :
 Designer :
 Job Number :
 Model Name :

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Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					42		
2	Antenna Di	None					42		
3	Antenna Wo (0 Deg)	None					42		
4	Antenna Wo (30 Deg)	None					42		
5	Antenna Wo (60 Deg)	None					42		
6	Antenna Wo (90 Deg)	None					42		
7	Antenna Wo (120 Deg)	None					42		
8	Antenna Wo (150 Deg)	None					42		
9	Antenna Wo (180 Deg)	None					42		
10	Antenna Wo (210 Deg)	None					42		
11	Antenna Wo (240 Deg)	None					42		
12	Antenna Wo (270 Deg)	None					42		
13	Antenna Wo (300 Deg)	None					42		
14	Antenna Wo (330 Deg)	None					42		
15	Antenna Wi (0 Deg)	None					42		
16	Antenna Wi (30 Deg)	None					42		
17	Antenna Wi (60 Deg)	None					42		
18	Antenna Wi (90 Deg)	None					42		
19	Antenna Wi (120 Deg)	None					42		
20	Antenna Wi (150 Deg)	None					42		
21	Antenna Wi (180 Deg)	None					42		
22	Antenna Wi (210 Deg)	None					42		
23	Antenna Wi (240 Deg)	None					42		
24	Antenna Wi (270 Deg)	None					42		
25	Antenna Wi (300 Deg)	None					42		
26	Antenna Wi (330 Deg)	None					42		
27	Antenna Wm (0 Deg)	None					42		
28	Antenna Wm (30 Deg)	None					42		
29	Antenna Wm (60 Deg)	None					42		
30	Antenna Wm (90 Deg)	None					42		
31	Antenna Wm (120 Deg)	None					42		
32	Antenna Wm (150 Deg)	None					42		
33	Antenna Wm (180 Deg)	None					42		
34	Antenna Wm (210 Deg)	None					42		
35	Antenna Wm (240 Deg)	None					42		
36	Antenna Wm (270 Deg)	None					42		
37	Antenna Wm (300 Deg)	None					42		
38	Antenna Wm (330 Deg)	None					42		
39	Structure D	None		-1					
40	Structure Di	None						30	
41	Structure Wo (0 Deg)	None						60	
42	Structure Wo (30 Deg)	None						60	
43	Structure Wo (60 Deg)	None						60	
44	Structure Wo (90 Deg)	None						60	
45	Structure Wo (120 D...	None						60	
46	Structure Wo (150 D...	None						60	
47	Structure Wo (180 D...	None						60	
48	Structure Wo (210 D...	None						60	
49	Structure Wo (240 D...	None						60	
50	Structure Wo (270 D...	None						60	
51	Structure Wo (300 D...	None						60	
52	Structure Wo (330 D...	None						60	
53	Structure Wi (0 Deg)	None						60	
54	Structure Wi (30 Deg)	None						60	
55	Structure Wi (60 Deg)	None						60	
56	Structure Wi (90 Deg)	None						60	

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						60	
58	Structure Wi (150 De...	None						60	
59	Structure Wi (180 De...	None						60	
60	Structure Wi (210 De...	None						60	
61	Structure Wi (240 De...	None						60	
62	Structure Wi (270 De...	None						60	
63	Structure Wi (300 De...	None						60	
64	Structure Wi (330 De...	None						60	
65	Structure Wm (0 Deg)	None						60	
66	Structure Wm (30 De...	None						60	
67	Structure Wm (60 De...	None						60	
68	Structure Wm (90 De...	None						60	
69	Structure Wm (120 D...	None						60	
70	Structure Wm (150 D...	None						60	
71	Structure Wm (180 D...	None						60	
72	Structure Wm (210 D...	None						60	
73	Structure Wm (240 D...	None						60	
74	Structure Wm (270 D...	None						60	
75	Structure Wm (300 D...	None						60	
76	Structure Wm (330 D...	None						60	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		

Load Combinations

	Description	Sol.	PD.	SR.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.	BLCFact.
1	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	3	1	41	1								
2	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	4	1	42	1								
3	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	5	1	43	1								
4	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	6	1	44	1								
5	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	7	1	45	1								
6	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	8	1	46	1								
7	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	9	1	47	1								
8	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	10	1	48	1								
9	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	11	1	49	1								
10	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	12	1	50	1								
11	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	13	1	51	1								
12	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	14	1	52	1								
13	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1				
14	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1				
15	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1				
16	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1				
17	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1				
18	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1				
19	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1				
20	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1				
21	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1				
22	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1				
23	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1				
24	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1				
25	1.2D + 1.5L	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1						
26	1.2D + 1.5L	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1						
27	1.2D + 1.5L	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1						
28	1.2D + 1.5L	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1						



Company :
 Designer :
 Job Number :
 Model Name :

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Load Combinations (Continued)

Description	Sol.	PD.	SR.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.
29	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	77	1.5	31	1	69	1	
30	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	77	1.5	32	1	70	1	
31	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	77	1.5	33	1	71	1	
32	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	77	1.5	34	1	72	1	
33	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	77	1.5	35	1	73	1	
34	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	77	1.5	36	1	74	1	
35	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	77	1.5	37	1	75	1	
36	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	77	1.5	38	1	76	1	
37	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	78	1.5	27	1	65	1	
38	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	78	1.5	28	1	66	1	
39	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	78	1.5	29	1	67	1	
40	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	78	1.5	30	1	68	1	
41	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	78	1.5	31	1	69	1	
42	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	78	1.5	32	1	70	1	
43	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	78	1.5	33	1	71	1	
44	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	78	1.5	34	1	72	1	
45	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	78	1.5	35	1	73	1	
46	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	78	1.5	36	1	74	1	
47	1.2D + 1.5L...	Yes	Y	1	1.2	39	1.2	78	1.5	37	1	75	1	
48	1.2D + 1.5L...	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	Seismic Mass		Y	1	1	39	1							
53	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX		SY	1	SZ	-1	
54	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866	
55	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5	
56	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX	1	SY	1	SZ		
57	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX	.866	SY	1	SZ	.5	
58	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX	.5	SY	1	SZ	.866	
59	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX		SY	1	SZ	1	
60	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866	
61	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5	
62	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX	-1	SY	1	SZ		
63	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5	
64	1.2D + 1.0Ev...		Y	1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866	

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	3.5	0.145833	8.083333	0	
2	N2	-9.166667	0.145833	8.083333	0	
3	N3	3.5	3.479167	8.083333	0	
4	N4	-9.166667	3.479167	8.083333	0	
5	N21	-5.333333	0	8.083333	0	
6	N22	-5.333333	3.333333	8.083333	0	
7	N23	-0.333333	0	8.083333	0	
8	N24	-0.333333	3.333333	8.083333	0	
9	N25	-5.333333	0	7.661458	0	
10	N26	-5.333333	3.333333	7.661458	0	
11	N27	-0.333333	0	7.661458	0	
12	N28	-0.333333	3.333333	7.661458	0	
13	N29	-2.833333	0	6.119792	0	
14	N30	-2.833333	3.333333	6.119792	0	
15	N31	-3.364583	0	6.119792	0	
16	N32	-3.364583	3.333333	6.119792	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
17	N33	-2.302083	0	6.119792	0	
18	N34	-2.302083	3.333333	6.119792	0	
19	N35	-2.833333	0	5.703125	0	
20	N36	-2.833333	3.333333	5.703125	0	
21	N37	-5.75	3.479167	8.083333	0	
22	N58	-5.333333	3.333333	7.708333	0	
23	N76	-2.927083	0	6.119792	0	
24	N77	-3.229167	0	6.119792	0	
25	N78	-2.739583	0	6.119792	0	
26	N79	-2.4375	0	6.119792	0	
27	N80	-2.927083	3.333333	6.119792	0	
28	N81	-3.229167	3.333333	6.119792	0	
29	N82	-2.739583	3.333333	6.119792	0	
30	N83	-2.4375	3.333333	6.119792	0	
31	N58A	-2.833333	3.479167	8.083333	0	
32	N59	-5.333333	0.145833	8.083333	0	
33	N60	-5.333333	3.479167	8.083333	0	
34	N61	-0.333333	0.145833	8.083333	0	
35	N62	-0.333333	3.479167	8.083333	0	
36	N39	-8.833333	0.145833	8.083333	0	
37	N40	-8.833333	3.479167	8.083333	0	
38	N41	3.166667	0.145833	8.083333	0	
39	N42	3.166667	3.479167	8.083333	0	
40	N43	-0.833333	0.145833	8.083333	0	
41	N44	-0.833333	3.479167	8.083333	0	
42	N45	-4.833333	0.145833	8.083333	0	
43	N46	-4.833333	3.479167	8.083333	0	
44	N47	-8.833333	0.145833	8.333333	0	
45	N48	-8.833333	3.479167	8.333333	0	
46	N49	3.166667	0.145833	8.333333	0	
47	N50	3.166667	3.479167	8.333333	0	
48	N51	-0.833333	0.145833	8.333333	0	
49	N52	-0.833333	3.479167	8.333333	0	
50	N53	-4.833333	0.145833	8.333333	0	
51	N54	-4.833333	3.479167	8.333333	0	
52	N55	-8.833333	5.895833	8.333333	0	
53	N56	3.166667	5.895833	8.333333	0	
54	N57	-0.833333	5.895833	8.333333	0	
55	N58B	-4.833333	5.895833	8.333333	0	
56	N59A	-8.833333	-2.104167	8.333333	0	
57	N60A	3.166667	-2.104167	8.333333	0	
58	N61A	-0.833333	-2.104167	8.333333	0	
59	N62A	-4.833333	-2.104167	8.333333	0	
60	N63	-4.348958	3.333333	6.890625	0	
61	N64	-4.348958	0	6.890625	0	
62	N65	-1.317708	0	6.890625	0	
63	N66	-1.317708	3.333333	6.890625	0	
64	N67	-4.502058	3.333333	6.692983	0	
65	N68	-4.502058	0	6.692983	0	
66	N69	-1.164608	0	6.692983	0	
67	N70	-1.164608	3.333333	6.692983	0	
68	N71	-4.502058	3.666667	6.692983	0	
69	N72	-1.164608	3.666667	6.692983	0	
70	N73	-4.502058	-0.333333	6.692983	0	
71	N74	-1.164608	-0.333333	6.692983	0	
72	CP	-5.618746	0	2.383599	0	
73	N79A	-9.886247	0	3.136075	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
74	N80A	-9.886247	3.333333	3.136075	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE 2.0	Column	Wide Flange	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Horizontal mount pipe	PIPE 2.5	Beam	Pipe	Q235	Typical	1.61	1.45	1.45	2.89
3	Standoff Horizontal	PIPE 2.0	Beam	Pipe	Q235	Typical	1.02	.627	.627	1.25
4	Standoff Diagonal	SR 0.75	Beam	BAR	Q235	Typical	.442	.016	.016	.031
5	Tieback	PIPE 2.0	Beam	Pipe	Q235	Typical	1.02	.627	.627	1.25
6	Standoff Vertical	SR 0.625	Column	Wide Flange	Q235	Typical	.307	.007	.007	.015
7	Standoff Plate	PL5/8X3.5	Beam	BAR	Q235	Typical	2.188	.071	2.233	.253

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A53 Gr. B	29000	11154	.3	.65	.49	35	1.5	60	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
5	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
6	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3
7	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N1			Horizontal mou...	Beam	Pipe	Q235	Typical
2	M2	N4	N3			Horizontal mou...	Beam	Pipe	Q235	Typical
3	M13	N22	N26		90	Standoff Plate	Beam	BAR	Q235	Typical
4	M14	N21	N25		90	Standoff Plate	Beam	BAR	Q235	Typical
5	M15	N23	N27		90	Standoff Plate	Beam	BAR	Q235	Typical
6	M16	N24	N28		90	Standoff Plate	Beam	BAR	Q235	Typical
7	M17	N26	N32			Standoff Horiz...	Beam	Pipe	Q235	Typical
8	M18	N25	N31			Standoff Horiz...	Beam	Pipe	Q235	Typical
9	M19	N27	N33			Standoff Horiz...	Beam	Pipe	Q235	Typical
10	M20	N28	N34			Standoff Horiz...	Beam	Pipe	Q235	Typical
11	M21	N32	N30		90	Standoff Plate	Beam	BAR	Q235	Typical
12	M22	N34	N30		90	Standoff Plate	Beam	BAR	Q235	Typical
13	M23	N31	N29		90	Standoff Plate	Beam	BAR	Q235	Typical
14	M24	N33	N29		90	Standoff Plate	Beam	BAR	Q235	Typical
15	M25	N31	N26			Standoff Diago...	Beam	BAR	Q235	Typical
16	M26	N32	N25			Standoff Diago...	Beam	BAR	Q235	Typical
17	M27	N33	N28			Standoff Diago...	Beam	BAR	Q235	Typical
18	M28	N27	N34			Standoff Diago...	Beam	BAR	Q235	Typical
19	M29	N29	N35			RIGID	None	None	RIGID	Typical
20	M30	N30	N36			RIGID	None	None	RIGID	Typical
21	M31	N22	N80A			Tieback	Beam	Pipe	Q235	Typical
22	M32	N21	N79A			Tieback	Beam	Pipe	Q235	Typical
23	M44	N25	N26			Standoff Vertical	Column	Wide Flange	Q235	Typical
24	M45	N31	N32			Standoff Vertical	Column	Wide Flange	Q235	Typical
25	M46	N33	N34			Standoff Vertical	Column	Wide Flange	Q235	Typical
26	M47	N27	N28			Standoff Vertical	Column	Wide Flange	Q235	Typical
27	M47B	N22	N60			RIGID	None	None	RIGID	Typical
28	M48A	N21	N59			RIGID	None	None	RIGID	Typical



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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
29	M49A	N24	N62			RIGID	None	None	RIGID	Typical
30	M50A	N23	N61			RIGID	None	None	RIGID	Typical
31	M51A	N30	N36			RIGID	None	None	RIGID	Typical
32	M52A	N29	N35			RIGID	None	None	RIGID	Typical
33	M33	N41	N49			RIGID	None	None	RIGID	Typical
34	M34	N43	N51			RIGID	None	None	RIGID	Typical
35	M35	N45	N53			RIGID	None	None	RIGID	Typical
36	M36	N39	N47			RIGID	None	None	RIGID	Typical
37	M37	N40	N48			RIGID	None	None	RIGID	Typical
38	M38	N46	N54			RIGID	None	None	RIGID	Typical
39	M39	N44	N52			RIGID	None	None	RIGID	Typical
40	M40	N42	N50			RIGID	None	None	RIGID	Typical
41	MP1A	N56	N60A			Antenna Pipe	Column	Wide Flange	A53 Gr. B	Typical
42	MP2A	N57	N61A			Antenna Pipe	Column	Wide Flange	A53 Gr. B	Typical
43	MP3A	N58B	N62A			Antenna Pipe	Column	Wide Flange	A53 Gr. B	Typical
44	MP4A	N55	N59A			Antenna Pipe	Column	Wide Flange	A53 Gr. B	Typical
45	M45A	N64	N68			RIGID	None	None	RIGID	Typical
46	M46A	N63	N67			RIGID	None	None	RIGID	Typical
47	M47A	N70	N66			RIGID	None	None	RIGID	Typical
48	M48	N69	N65			RIGID	None	None	RIGID	Typical
49	M49	N71	N73			Antenna Pipe	Column	Wide Flange	A53 Gr. B	Typical
50	M50	N72	N74			Antenna Pipe	Column	Wide Flange	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes				None
3	M13						Yes	Default			None
4	M14						Yes	Default			None
5	M15						Yes				None
6	M16						Yes				None
7	M17						Yes	Default			None
8	M18						Yes				None
9	M19						Yes				None
10	M20						Yes	Default			None
11	M21						Yes	Default			None
12	M22						Yes				None
13	M23						Yes				None
14	M24						Yes				None
15	M25	BenPIN	BenPIN				Euler Buc...	Yes	Default		None
16	M26	BenPIN	BenPIN				Euler Buc...	Yes	Default		None
17	M27	BenPIN	BenPIN				Euler Buc...	Yes			None
18	M28	BenPIN	BenPIN				Euler Buc...	Yes			None
19	M29						Yes	** NA **		Inactive	None
20	M30						Yes	** NA **		Inactive	None
21	M31	BenPIN					Yes	Default			None
22	M32	BenPIN					Yes	Default			None
23	M44	BenPIN	BenPIN				Yes	** NA **			None
24	M45	BenPIN	BenPIN				Yes	** NA **			None
25	M46	BenPIN	BenPIN				Yes	** NA **			None
26	M47	BenPIN	BenPIN				Yes	** NA **			None
27	M47B		OOOXOO				Yes	** NA **			None
28	M48A		OOOXOO				Yes	** NA **			None
29	M49A		OOOXOO				Yes	** NA **			None
30	M50A		OOOXOO				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat..	Analysis ...	Inactive	Seismic..
31	M51A						Yes	** NA **			None
32	M52A						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	MP1A						Yes	** NA **			None
42	MP2A						Yes	** NA **			None
43	MP3A						Yes	** NA **			None
44	MP4A						Yes	** NA **			None
45	M45A		OOOXOO				Yes	** NA **			None
46	M46A		OOOXOO				Yes	** NA **			None
47	M47A	OOOXOX					Yes	** NA **			None
48	M48	OOOXOX					Yes	** NA **			None
49	M49						Yes	** NA **			None
50	M50						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	Y	-43.55	2
2	MP2A	My	-.022	2
3	MP2A	Mz	0	2
4	MP2A	Y	-43.55	4
5	MP2A	My	-.022	4
6	MP2A	Mz	0	4
7	MP1A	Y	-13.5	.5
8	MP1A	My	-.007	.5
9	MP1A	Mz	0	.5
10	MP1A	Y	-13.5	5
11	MP1A	My	-.007	5
12	MP1A	Mz	0	5
13	MP4A	Y	-13.5	.5
14	MP4A	My	-.007	.5
15	MP4A	Mz	0	.5
16	MP4A	Y	-13.5	5
17	MP4A	My	-.007	5
18	MP4A	Mz	0	5
19	MP3A	Y	-31.65	1.5
20	MP3A	My	-.016	1.5
21	MP3A	Mz	-.016	1.5
22	MP3A	Y	-31.65	5
23	MP3A	My	-.016	5
24	MP3A	Mz	-.016	5
25	MP3A	Y	-31.65	1.5
26	MP3A	My	-.016	1.5
27	MP3A	Mz	.016	1.5
28	MP3A	Y	-31.65	5
29	MP3A	My	-.016	5
30	MP3A	Mz	.016	5
31	M49	Y	-10.4	2
32	M49	My	0	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
33	M49	Mz	0	2
34	M50	Y	-32	1
35	M50	My	0	1
36	M50	Mz	0	1
37	MP3A	Y	-84.4	4
38	MP3A	My	.042	4
39	MP3A	Mz	0	4
40	MP2A	Y	-70.3	4
41	MP2A	My	.035	4
42	MP2A	Mz	0	4

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	Y	-33.913	2
2	MP2A	My	-.017	2
3	MP2A	Mz	0	2
4	MP2A	Y	-33.913	4
5	MP2A	My	-.017	4
6	MP2A	Mz	0	4
7	MP1A	Y	-85.397	.5
8	MP1A	My	-.043	.5
9	MP1A	Mz	0	.5
10	MP1A	Y	-85.397	5
11	MP1A	My	-.043	5
12	MP1A	Mz	0	5
13	MP4A	Y	-85.397	.5
14	MP4A	My	-.043	.5
15	MP4A	Mz	0	.5
16	MP4A	Y	-85.397	5
17	MP4A	My	-.043	5
18	MP4A	Mz	0	5
19	MP3A	Y	-66.664	1.5
20	MP3A	My	-.033	1.5
21	MP3A	Mz	-.033	1.5
22	MP3A	Y	-66.664	5
23	MP3A	My	-.033	5
24	MP3A	Mz	-.033	5
25	MP3A	Y	-66.664	1.5
26	MP3A	My	-.033	1.5
27	MP3A	Mz	.033	1.5
28	MP3A	Y	-66.664	5
29	MP3A	My	-.033	5
30	MP3A	Mz	.033	5
31	M49	Y	-10.16	2
32	M49	My	0	2
33	M49	Mz	0	2
34	M50	Y	-60.643	1
35	M50	My	0	1
36	M50	Mz	0	1
37	MP3A	Y	-42.726	4
38	MP3A	My	.021	4
39	MP3A	Mz	0	4
40	MP2A	Y	-38.41	4
41	MP2A	My	.019	4
42	MP2A	Mz	0	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	2
2	MP2A	Z	-89.567	2
3	MP2A	Mx	0	2
4	MP2A	X	0	4
5	MP2A	Z	-89.567	4
6	MP2A	Mx	0	4
7	MP1A	X	0	.5
8	MP1A	Z	-185.994	.5
9	MP1A	Mx	0	.5
10	MP1A	X	0	5
11	MP1A	Z	-185.994	5
12	MP1A	Mx	0	5
13	MP4A	X	0	.5
14	MP4A	Z	-185.994	.5
15	MP4A	Mx	0	.5
16	MP4A	X	0	5
17	MP4A	Z	-185.994	5
18	MP4A	Mx	0	5
19	MP3A	X	0	1.5
20	MP3A	Z	-173.607	1.5
21	MP3A	Mx	.087	1.5
22	MP3A	X	0	5
23	MP3A	Z	-173.607	5
24	MP3A	Mx	.087	5
25	MP3A	X	0	1.5
26	MP3A	Z	-173.607	1.5
27	MP3A	Mx	-.087	1.5
28	MP3A	X	0	5
29	MP3A	Z	-173.607	5
30	MP3A	Mx	-.087	5
31	M49	X	0	2
32	M49	Z	-9.888	2
33	M49	Mx	0	2
34	M50	X	0	1
35	M50	Z	-76.433	1
36	M50	Mx	0	1
37	MP3A	X	0	4
38	MP3A	Z	-71.272	4
39	MP3A	Mx	0	4
40	MP2A	X	0	4
41	MP2A	Z	-71.272	4
42	MP2A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	37.971	2
2	MP2A	Z	-65.767	2
3	MP2A	Mx	-.019	2
4	MP2A	X	37.971	4
5	MP2A	Z	-65.767	4
6	MP2A	Mx	-.019	4
7	MP1A	X	90.242	.5
8	MP1A	Z	-156.303	.5
9	MP1A	Mx	-.045	.5
10	MP1A	X	90.242	5
11	MP1A	Z	-156.303	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP1A	Mx	-.045	5
13	MP4A	X	90.242	.5
14	MP4A	Z	-156.303	.5
15	MP4A	Mx	-.045	.5
16	MP4A	X	90.242	5
17	MP4A	Z	-156.303	5
18	MP4A	Mx	-.045	5
19	MP3A	X	79.355	1.5
20	MP3A	Z	-137.448	1.5
21	MP3A	Mx	.029	1.5
22	MP3A	X	79.355	5
23	MP3A	Z	-137.448	5
24	MP3A	Mx	.029	5
25	MP3A	X	79.355	1.5
26	MP3A	Z	-137.448	1.5
27	MP3A	Mx	-.108	1.5
28	MP3A	X	79.355	5
29	MP3A	Z	-137.448	5
30	MP3A	Mx	-.108	5
31	M49	X	5.776	2
32	M49	Z	-10.005	2
33	M49	Mx	0	2
34	M50	X	45.777	1
35	M50	Z	-79.288	1
36	M50	Mx	0	1
37	MP3A	X	32.682	4
38	MP3A	Z	-56.607	4
39	MP3A	Mx	.016	4
40	MP2A	X	31.551	4
41	MP2A	Z	-54.648	4
42	MP2A	Mx	.016	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	42.167	2
2	MP2A	Z	-24.345	2
3	MP2A	Mx	-.021	2
4	MP2A	X	42.167	4
5	MP2A	Z	-24.345	4
6	MP2A	Mx	-.021	4
7	MP1A	X	146.758	.5
8	MP1A	Z	-84.731	.5
9	MP1A	Mx	-.073	.5
10	MP1A	X	146.758	5
11	MP1A	Z	-84.731	5
12	MP1A	Mx	-.073	5
13	MP4A	X	146.758	.5
14	MP4A	Z	-84.731	.5
15	MP4A	Mx	-.073	.5
16	MP4A	X	146.758	5
17	MP4A	Z	-84.731	5
18	MP4A	Mx	-.073	5
19	MP3A	X	111.647	1.5
20	MP3A	Z	-64.459	1.5
21	MP3A	Mx	-.024	1.5
22	MP3A	X	111.647	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP3A	Z	-64.459	5
24	MP3A	Mx	-.024	5
25	MP3A	X	111.647	1.5
26	MP3A	Z	-64.459	1.5
27	MP3A	Mx	-.088	1.5
28	MP3A	X	111.647	5
29	MP3A	Z	-64.459	5
30	MP3A	Mx	-.088	5
31	M49	X	11.773	2
32	M49	Z	-6.797	2
33	M49	Mx	0	2
34	M50	X	95.352	1
35	M50	Z	-55.052	1
36	M50	Mx	0	1
37	MP3A	X	46.375	4
38	MP3A	Z	-26.775	4
39	MP3A	Mx	.023	4
40	MP2A	X	40.496	4
41	MP2A	Z	-23.38	4
42	MP2A	Mx	.02	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	35.065	2
2	MP2A	Z	0	2
3	MP2A	Mx	-.018	2
4	MP2A	X	35.065	4
5	MP2A	Z	0	4
6	MP2A	Mx	-.018	4
7	MP1A	X	163.951	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	-.082	.5
10	MP1A	X	163.951	5
11	MP1A	Z	0	5
12	MP1A	Mx	-.082	5
13	MP4A	X	163.951	.5
14	MP4A	Z	0	.5
15	MP4A	Mx	-.082	.5
16	MP4A	X	163.951	5
17	MP4A	Z	0	5
18	MP4A	Mx	-.082	5
19	MP3A	X	114.023	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-.057	1.5
22	MP3A	X	114.023	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.057	5
25	MP3A	X	114.023	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	-.057	1.5
28	MP3A	X	114.023	5
29	MP3A	Z	0	5
30	MP3A	Mx	-.057	5
31	M49	X	13.971	2
32	M49	Z	0	2
33	M49	Mx	0	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
34	M50	X	113.531	1
35	M50	Z	0	1
36	M50	Mx	0	1
37	MP3A	X	47.642	4
38	MP3A	Z	0	4
39	MP3A	Mx	.024	4
40	MP2A	X	38.59	4
41	MP2A	Z	0	4
42	MP2A	Mx	.019	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	42.167	2
2	MP2A	Z	24.345	2
3	MP2A	Mx	-.021	2
4	MP2A	X	42.167	4
5	MP2A	Z	24.345	4
6	MP2A	Mx	-.021	4
7	MP1A	X	146.758	.5
8	MP1A	Z	84.731	.5
9	MP1A	Mx	-.073	.5
10	MP1A	X	146.758	5
11	MP1A	Z	84.731	5
12	MP1A	Mx	-.073	5
13	MP4A	X	146.758	.5
14	MP4A	Z	84.731	.5
15	MP4A	Mx	-.073	.5
16	MP4A	X	146.758	5
17	MP4A	Z	84.731	5
18	MP4A	Mx	-.073	5
19	MP3A	X	111.647	1.5
20	MP3A	Z	64.459	1.5
21	MP3A	Mx	-.088	1.5
22	MP3A	X	111.647	5
23	MP3A	Z	64.459	5
24	MP3A	Mx	-.088	5
25	MP3A	X	111.647	1.5
26	MP3A	Z	64.459	1.5
27	MP3A	Mx	-.024	1.5
28	MP3A	X	111.647	5
29	MP3A	Z	64.459	5
30	MP3A	Mx	-.024	5
31	M49	X	10.658	2
32	M49	Z	6.153	2
33	M49	Mx	0	2
34	M50	X	85.225	1
35	M50	Z	49.205	1
36	M50	Mx	0	1
37	MP3A	X	46.375	4
38	MP3A	Z	26.775	4
39	MP3A	Mx	.023	4
40	MP2A	X	40.496	4
41	MP2A	Z	23.38	4
42	MP2A	Mx	.02	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	37.971	2
2	MP2A	Z	65.767	2
3	MP2A	Mx	-.019	2
4	MP2A	X	37.971	4
5	MP2A	Z	65.767	4
6	MP2A	Mx	-.019	4
7	MP1A	X	90.242	.5
8	MP1A	Z	156.303	.5
9	MP1A	Mx	-.045	.5
10	MP1A	X	90.242	5
11	MP1A	Z	156.303	5
12	MP1A	Mx	-.045	5
13	MP4A	X	90.242	.5
14	MP4A	Z	156.303	.5
15	MP4A	Mx	-.045	.5
16	MP4A	X	90.242	5
17	MP4A	Z	156.303	5
18	MP4A	Mx	-.045	5
19	MP3A	X	79.355	1.5
20	MP3A	Z	137.448	1.5
21	MP3A	Mx	-.108	1.5
22	MP3A	X	79.355	5
23	MP3A	Z	137.448	5
24	MP3A	Mx	-.108	5
25	MP3A	X	79.355	1.5
26	MP3A	Z	137.448	1.5
27	MP3A	Mx	.029	1.5
28	MP3A	X	79.355	5
29	MP3A	Z	137.448	5
30	MP3A	Mx	.029	5
31	M49	X	5.133	2
32	M49	Z	8.89	2
33	M49	Mx	0	2
34	M50	X	39.93	1
35	M50	Z	69.161	1
36	M50	Mx	0	1
37	MP3A	X	32.682	4
38	MP3A	Z	56.607	4
39	MP3A	Mx	.016	4
40	MP2A	X	31.551	4
41	MP2A	Z	54.648	4
42	MP2A	Mx	.016	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	2
2	MP2A	Z	89.567	2
3	MP2A	Mx	0	2
4	MP2A	X	0	4
5	MP2A	Z	89.567	4
6	MP2A	Mx	0	4
7	MP1A	X	0	.5
8	MP1A	Z	185.994	.5
9	MP1A	Mx	0	.5
10	MP1A	X	0	5
11	MP1A	Z	185.994	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP1A	Mx	0	5
13	MP4A	X	0	.5
14	MP4A	Z	185.994	.5
15	MP4A	Mx	0	.5
16	MP4A	X	0	5
17	MP4A	Z	185.994	5
18	MP4A	Mx	0	5
19	MP3A	X	0	1.5
20	MP3A	Z	173.607	1.5
21	MP3A	Mx	-.087	1.5
22	MP3A	X	0	5
23	MP3A	Z	173.607	5
24	MP3A	Mx	-.087	5
25	MP3A	X	0	1.5
26	MP3A	Z	173.607	1.5
27	MP3A	Mx	.087	1.5
28	MP3A	X	0	5
29	MP3A	Z	173.607	5
30	MP3A	Mx	.087	5
31	M49	X	0	2
32	M49	Z	9.888	2
33	M49	Mx	0	2
34	M50	X	0	1
35	M50	Z	76.433	1
36	M50	Mx	0	1
37	MP3A	X	0	4
38	MP3A	Z	71.272	4
39	MP3A	Mx	0	4
40	MP2A	X	0	4
41	MP2A	Z	71.272	4
42	MP2A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-37.971	2
2	MP2A	Z	65.767	2
3	MP2A	Mx	.019	2
4	MP2A	X	-37.971	4
5	MP2A	Z	65.767	4
6	MP2A	Mx	.019	4
7	MP1A	X	-90.242	.5
8	MP1A	Z	156.303	.5
9	MP1A	Mx	.045	.5
10	MP1A	X	-90.242	5
11	MP1A	Z	156.303	5
12	MP1A	Mx	.045	5
13	MP4A	X	-90.242	.5
14	MP4A	Z	156.303	.5
15	MP4A	Mx	.045	.5
16	MP4A	X	-90.242	5
17	MP4A	Z	156.303	5
18	MP4A	Mx	.045	5
19	MP3A	X	-79.355	1.5
20	MP3A	Z	137.448	1.5
21	MP3A	Mx	-.029	1.5
22	MP3A	X	-79.355	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP3A	Z	137.448	5
24	MP3A	Mx	-.029	5
25	MP3A	X	-79.355	1.5
26	MP3A	Z	137.448	1.5
27	MP3A	Mx	.108	1.5
28	MP3A	X	-79.355	5
29	MP3A	Z	137.448	5
30	MP3A	Mx	.108	5
31	M49	X	-5.776	2
32	M49	Z	10.005	2
33	M49	Mx	0	2
34	M50	X	-45.777	1
35	M50	Z	79.288	1
36	M50	Mx	0	1
37	MP3A	X	-32.682	4
38	MP3A	Z	56.607	4
39	MP3A	Mx	-.016	4
40	MP2A	X	-31.551	4
41	MP2A	Z	54.648	4
42	MP2A	Mx	-.016	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-42.167	2
2	MP2A	Z	24.345	2
3	MP2A	Mx	.021	2
4	MP2A	X	-42.167	4
5	MP2A	Z	24.345	4
6	MP2A	Mx	.021	4
7	MP1A	X	-146.758	.5
8	MP1A	Z	84.731	.5
9	MP1A	Mx	.073	.5
10	MP1A	X	-146.758	5
11	MP1A	Z	84.731	5
12	MP1A	Mx	.073	5
13	MP4A	X	-146.758	.5
14	MP4A	Z	84.731	.5
15	MP4A	Mx	.073	.5
16	MP4A	X	-146.758	5
17	MP4A	Z	84.731	5
18	MP4A	Mx	.073	5
19	MP3A	X	-111.647	1.5
20	MP3A	Z	64.459	1.5
21	MP3A	Mx	.024	1.5
22	MP3A	X	-111.647	5
23	MP3A	Z	64.459	5
24	MP3A	Mx	.024	5
25	MP3A	X	-111.647	1.5
26	MP3A	Z	64.459	1.5
27	MP3A	Mx	.088	1.5
28	MP3A	X	-111.647	5
29	MP3A	Z	64.459	5
30	MP3A	Mx	.088	5
31	M49	X	-11.773	2
32	M49	Z	6.797	2
33	M49	Mx	0	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
34	M50	X	-95.352	1
35	M50	Z	55.052	1
36	M50	Mx	0	1
37	MP3A	X	-46.375	4
38	MP3A	Z	26.775	4
39	MP3A	Mx	-.023	4
40	MP2A	X	-40.496	4
41	MP2A	Z	23.38	4
42	MP2A	Mx	-.02	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-35.065	2
2	MP2A	Z	0	2
3	MP2A	Mx	.018	2
4	MP2A	X	-35.065	4
5	MP2A	Z	0	4
6	MP2A	Mx	.018	4
7	MP1A	X	-163.951	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	.082	.5
10	MP1A	X	-163.951	5
11	MP1A	Z	0	5
12	MP1A	Mx	.082	5
13	MP4A	X	-163.951	.5
14	MP4A	Z	0	.5
15	MP4A	Mx	.082	.5
16	MP4A	X	-163.951	5
17	MP4A	Z	0	5
18	MP4A	Mx	.082	5
19	MP3A	X	-114.023	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.057	1.5
22	MP3A	X	-114.023	5
23	MP3A	Z	0	5
24	MP3A	Mx	.057	5
25	MP3A	X	-114.023	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	.057	1.5
28	MP3A	X	-114.023	5
29	MP3A	Z	0	5
30	MP3A	Mx	.057	5
31	M49	X	-13.971	2
32	M49	Z	0	2
33	M49	Mx	0	2
34	M50	X	-113.531	1
35	M50	Z	0	1
36	M50	Mx	0	1
37	MP3A	X	-47.642	4
38	MP3A	Z	0	4
39	MP3A	Mx	-.024	4
40	MP2A	X	-38.59	4
41	MP2A	Z	0	4
42	MP2A	Mx	-.019	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-42.167	2
2	MP2A	Z	-24.345	2
3	MP2A	Mx	.021	2
4	MP2A	X	-42.167	4
5	MP2A	Z	-24.345	4
6	MP2A	Mx	.021	4
7	MP1A	X	-146.758	.5
8	MP1A	Z	-84.731	.5
9	MP1A	Mx	.073	.5
10	MP1A	X	-146.758	5
11	MP1A	Z	-84.731	5
12	MP1A	Mx	.073	5
13	MP4A	X	-146.758	.5
14	MP4A	Z	-84.731	.5
15	MP4A	Mx	.073	.5
16	MP4A	X	-146.758	5
17	MP4A	Z	-84.731	5
18	MP4A	Mx	.073	5
19	MP3A	X	-111.647	1.5
20	MP3A	Z	-64.459	1.5
21	MP3A	Mx	.088	1.5
22	MP3A	X	-111.647	5
23	MP3A	Z	-64.459	5
24	MP3A	Mx	.088	5
25	MP3A	X	-111.647	1.5
26	MP3A	Z	-64.459	1.5
27	MP3A	Mx	.024	1.5
28	MP3A	X	-111.647	5
29	MP3A	Z	-64.459	5
30	MP3A	Mx	.024	5
31	M49	X	-10.658	2
32	M49	Z	-6.153	2
33	M49	Mx	0	2
34	M50	X	-85.225	1
35	M50	Z	-49.205	1
36	M50	Mx	0	1
37	MP3A	X	-46.375	4
38	MP3A	Z	-26.775	4
39	MP3A	Mx	-.023	4
40	MP2A	X	-40.496	4
41	MP2A	Z	-23.38	4
42	MP2A	Mx	-.02	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-37.971	2
2	MP2A	Z	-65.767	2
3	MP2A	Mx	.019	2
4	MP2A	X	-37.971	4
5	MP2A	Z	-65.767	4
6	MP2A	Mx	.019	4
7	MP1A	X	-90.242	.5
8	MP1A	Z	-156.303	.5
9	MP1A	Mx	.045	.5
10	MP1A	X	-90.242	5
11	MP1A	Z	-156.303	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP1A	Mx	.045	5
13	MP4A	X	-90.242	.5
14	MP4A	Z	-156.303	.5
15	MP4A	Mx	.045	.5
16	MP4A	X	-90.242	5
17	MP4A	Z	-156.303	5
18	MP4A	Mx	.045	5
19	MP3A	X	-79.355	1.5
20	MP3A	Z	-137.448	1.5
21	MP3A	Mx	.108	1.5
22	MP3A	X	-79.355	5
23	MP3A	Z	-137.448	5
24	MP3A	Mx	.108	5
25	MP3A	X	-79.355	1.5
26	MP3A	Z	-137.448	1.5
27	MP3A	Mx	-.029	1.5
28	MP3A	X	-79.355	5
29	MP3A	Z	-137.448	5
30	MP3A	Mx	-.029	5
31	M49	X	-5.133	2
32	M49	Z	-8.89	2
33	M49	Mx	0	2
34	M50	X	-39.93	1
35	M50	Z	-69.161	1
36	M50	Mx	0	1
37	MP3A	X	-32.682	4
38	MP3A	Z	-56.607	4
39	MP3A	Mx	-.016	4
40	MP2A	X	-31.551	4
41	MP2A	Z	-54.648	4
42	MP2A	Mx	-.016	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	2
2	MP2A	Z	-17.477	2
3	MP2A	Mx	0	2
4	MP2A	X	0	4
5	MP2A	Z	-17.477	4
6	MP2A	Mx	0	4
7	MP1A	X	0	.5
8	MP1A	Z	-34.999	.5
9	MP1A	Mx	0	.5
10	MP1A	X	0	5
11	MP1A	Z	-34.999	5
12	MP1A	Mx	0	5
13	MP4A	X	0	.5
14	MP4A	Z	-34.999	.5
15	MP4A	Mx	0	.5
16	MP4A	X	0	5
17	MP4A	Z	-34.999	5
18	MP4A	Mx	0	5
19	MP3A	X	0	1.5
20	MP3A	Z	-32.899	1.5
21	MP3A	Mx	.016	1.5
22	MP3A	X	0	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP3A	Z	-32.899	5
24	MP3A	Mx	.016	5
25	MP3A	X	0	1.5
26	MP3A	Z	-32.899	1.5
27	MP3A	Mx	-.016	1.5
28	MP3A	X	0	5
29	MP3A	Z	-32.899	5
30	MP3A	Mx	-.016	5
31	M49	X	0	2
32	M49	Z	-2.673	2
33	M49	Mx	0	2
34	M50	X	0	1
35	M50	Z	-15.804	1
36	M50	Mx	0	1
37	MP3A	X	0	4
38	MP3A	Z	-14.695	4
39	MP3A	Mx	0	4
40	MP2A	X	0	4
41	MP2A	Z	-14.695	4
42	MP2A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	7.481	2
2	MP2A	Z	-12.958	2
3	MP2A	Mx	-.004	2
4	MP2A	X	7.481	4
5	MP2A	Z	-12.958	4
6	MP2A	Mx	-.004	4
7	MP1A	X	17.018	.5
8	MP1A	Z	-29.476	.5
9	MP1A	Mx	-.009	.5
10	MP1A	X	17.018	5
11	MP1A	Z	-29.476	5
12	MP1A	Mx	-.009	5
13	MP4A	X	17.018	.5
14	MP4A	Z	-29.476	.5
15	MP4A	Mx	-.009	.5
16	MP4A	X	17.018	5
17	MP4A	Z	-29.476	5
18	MP4A	Mx	-.009	5
19	MP3A	X	15.138	1.5
20	MP3A	Z	-26.22	1.5
21	MP3A	Mx	.006	1.5
22	MP3A	X	15.138	5
23	MP3A	Z	-26.22	5
24	MP3A	Mx	.006	5
25	MP3A	X	15.138	1.5
26	MP3A	Z	-26.22	1.5
27	MP3A	Mx	-.021	1.5
28	MP3A	X	15.138	5
29	MP3A	Z	-26.22	5
30	MP3A	Mx	-.021	5
31	M49	X	1.507	2
32	M49	Z	-2.61	2
33	M49	Mx	0	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
34	M50	X	9.287	1
35	M50	Z	-16.085	1
36	M50	Mx	0	1
37	MP3A	X	6.786	4
38	MP3A	Z	-11.754	4
39	MP3A	Mx	.003	4
40	MP2A	X	6.573	4
41	MP2A	Z	-11.384	4
42	MP2A	Mx	.003	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	8.602	2
2	MP2A	Z	-4.966	2
3	MP2A	Mx	-.004	2
4	MP2A	X	8.602	4
5	MP2A	Z	-4.966	4
6	MP2A	Mx	-.004	4
7	MP1A	X	27.809	.5
8	MP1A	Z	-16.056	.5
9	MP1A	Mx	-.014	.5
10	MP1A	X	27.809	5
11	MP1A	Z	-16.056	5
12	MP1A	Mx	-.014	5
13	MP4A	X	27.809	.5
14	MP4A	Z	-16.056	.5
15	MP4A	Mx	-.014	.5
16	MP4A	X	27.809	5
17	MP4A	Z	-16.056	5
18	MP4A	Mx	-.014	5
19	MP3A	X	21.676	1.5
20	MP3A	Z	-12.515	1.5
21	MP3A	Mx	-.005	1.5
22	MP3A	X	21.676	5
23	MP3A	Z	-12.515	5
24	MP3A	Mx	-.005	5
25	MP3A	X	21.676	1.5
26	MP3A	Z	-12.515	1.5
27	MP3A	Mx	-.017	1.5
28	MP3A	X	21.676	5
29	MP3A	Z	-12.515	5
30	MP3A	Mx	-.017	5
31	M49	X	2.973	2
32	M49	Z	-1.716	2
33	M49	Mx	0	2
34	M50	X	19.028	1
35	M50	Z	-10.986	1
36	M50	Mx	0	1
37	MP3A	X	9.809	4
38	MP3A	Z	-5.663	4
39	MP3A	Mx	.005	4
40	MP2A	X	8.701	4
41	MP2A	Z	-5.023	4
42	MP2A	Mx	.004	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	7.417	2
2	MP2A	Z	0	2
3	MP2A	Mx	-.004	2
4	MP2A	X	7.417	4
5	MP2A	Z	0	4
6	MP2A	Mx	-.004	4
7	MP1A	X	31.149	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	-.016	.5
10	MP1A	X	31.149	5
11	MP1A	Z	0	5
12	MP1A	Mx	-.016	5
13	MP4A	X	31.149	.5
14	MP4A	Z	0	.5
15	MP4A	Mx	-.016	.5
16	MP4A	X	31.149	5
17	MP4A	Z	0	5
18	MP4A	Mx	-.016	5
19	MP3A	X	22.407	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-.011	1.5
22	MP3A	X	22.407	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.011	5
25	MP3A	X	22.407	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	-.011	1.5
28	MP3A	X	22.407	5
29	MP3A	Z	0	5
30	MP3A	Mx	-.011	5
31	M49	X	3.51	2
32	M49	Z	0	2
33	M49	Mx	0	2
34	M50	X	22.6	1
35	M50	Z	0	1
36	M50	Mx	0	1
37	MP3A	X	10.204	4
38	MP3A	Z	0	4
39	MP3A	Mx	.005	4
40	MP2A	X	8.498	4
41	MP2A	Z	0	4
42	MP2A	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	8.602	2
2	MP2A	Z	4.966	2
3	MP2A	Mx	-.004	2
4	MP2A	X	8.602	4
5	MP2A	Z	4.966	4
6	MP2A	Mx	-.004	4
7	MP1A	X	27.809	.5
8	MP1A	Z	16.056	.5
9	MP1A	Mx	-.014	.5
10	MP1A	X	27.809	5
11	MP1A	Z	16.056	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP1A	Mx	-.014	5
13	MP4A	X	27.809	.5
14	MP4A	Z	16.056	.5
15	MP4A	Mx	-.014	.5
16	MP4A	X	27.809	5
17	MP4A	Z	16.056	5
18	MP4A	Mx	-.014	5
19	MP3A	X	21.676	1.5
20	MP3A	Z	12.515	1.5
21	MP3A	Mx	-.017	1.5
22	MP3A	X	21.676	5
23	MP3A	Z	12.515	5
24	MP3A	Mx	-.017	5
25	MP3A	X	21.676	1.5
26	MP3A	Z	12.515	1.5
27	MP3A	Mx	-.005	1.5
28	MP3A	X	21.676	5
29	MP3A	Z	12.515	5
30	MP3A	Mx	-.005	5
31	M49	X	2.744	2
32	M49	Z	1.584	2
33	M49	Mx	0	2
34	M50	X	17.173	1
35	M50	Z	9.915	1
36	M50	Mx	0	1
37	MP3A	X	9.809	4
38	MP3A	Z	5.663	4
39	MP3A	Mx	.005	4
40	MP2A	X	8.701	4
41	MP2A	Z	5.023	4
42	MP2A	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	7.481	2
2	MP2A	Z	12.958	2
3	MP2A	Mx	-.004	2
4	MP2A	X	7.481	4
5	MP2A	Z	12.958	4
6	MP2A	Mx	-.004	4
7	MP1A	X	17.018	.5
8	MP1A	Z	29.476	.5
9	MP1A	Mx	-.009	.5
10	MP1A	X	17.018	5
11	MP1A	Z	29.476	5
12	MP1A	Mx	-.009	5
13	MP4A	X	17.018	.5
14	MP4A	Z	29.476	.5
15	MP4A	Mx	-.009	.5
16	MP4A	X	17.018	5
17	MP4A	Z	29.476	5
18	MP4A	Mx	-.009	5
19	MP3A	X	15.138	1.5
20	MP3A	Z	26.22	1.5
21	MP3A	Mx	-.021	1.5
22	MP3A	X	15.138	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP3A	Z	26.22	5
24	MP3A	Mx	-.021	5
25	MP3A	X	15.138	1.5
26	MP3A	Z	26.22	1.5
27	MP3A	Mx	.006	1.5
28	MP3A	X	15.138	5
29	MP3A	Z	26.22	5
30	MP3A	Mx	.006	5
31	M49	X	1.375	2
32	M49	Z	2.382	2
33	M49	Mx	0	2
34	M50	X	8.216	1
35	M50	Z	14.23	1
36	M50	Mx	0	1
37	MP3A	X	6.786	4
38	MP3A	Z	11.754	4
39	MP3A	Mx	.003	4
40	MP2A	X	6.573	4
41	MP2A	Z	11.384	4
42	MP2A	Mx	.003	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	2
2	MP2A	Z	17.477	2
3	MP2A	Mx	0	2
4	MP2A	X	0	4
5	MP2A	Z	17.477	4
6	MP2A	Mx	0	4
7	MP1A	X	0	.5
8	MP1A	Z	34.999	.5
9	MP1A	Mx	0	.5
10	MP1A	X	0	5
11	MP1A	Z	34.999	5
12	MP1A	Mx	0	5
13	MP4A	X	0	.5
14	MP4A	Z	34.999	.5
15	MP4A	Mx	0	.5
16	MP4A	X	0	5
17	MP4A	Z	34.999	5
18	MP4A	Mx	0	5
19	MP3A	X	0	1.5
20	MP3A	Z	32.899	1.5
21	MP3A	Mx	-.016	1.5
22	MP3A	X	0	5
23	MP3A	Z	32.899	5
24	MP3A	Mx	-.016	5
25	MP3A	X	0	1.5
26	MP3A	Z	32.899	1.5
27	MP3A	Mx	.016	1.5
28	MP3A	X	0	5
29	MP3A	Z	32.899	5
30	MP3A	Mx	.016	5
31	M49	X	0	2
32	M49	Z	2.673	2
33	M49	Mx	0	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
34	M50	X	0	1
35	M50	Z	15.804	1
36	M50	Mx	0	1
37	MP3A	X	0	4
38	MP3A	Z	14.695	4
39	MP3A	Mx	0	4
40	MP2A	X	0	4
41	MP2A	Z	14.695	4
42	MP2A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-7.481	2
2	MP2A	Z	12.958	2
3	MP2A	Mx	.004	2
4	MP2A	X	-7.481	4
5	MP2A	Z	12.958	4
6	MP2A	Mx	.004	4
7	MP1A	X	-17.018	.5
8	MP1A	Z	29.476	.5
9	MP1A	Mx	.009	.5
10	MP1A	X	-17.018	5
11	MP1A	Z	29.476	5
12	MP1A	Mx	.009	5
13	MP4A	X	-17.018	.5
14	MP4A	Z	29.476	.5
15	MP4A	Mx	.009	.5
16	MP4A	X	-17.018	5
17	MP4A	Z	29.476	5
18	MP4A	Mx	.009	5
19	MP3A	X	-15.138	1.5
20	MP3A	Z	26.22	1.5
21	MP3A	Mx	-.006	1.5
22	MP3A	X	-15.138	5
23	MP3A	Z	26.22	5
24	MP3A	Mx	-.006	5
25	MP3A	X	-15.138	1.5
26	MP3A	Z	26.22	1.5
27	MP3A	Mx	.021	1.5
28	MP3A	X	-15.138	5
29	MP3A	Z	26.22	5
30	MP3A	Mx	.021	5
31	M49	X	-1.507	2
32	M49	Z	2.61	2
33	M49	Mx	0	2
34	M50	X	-9.287	1
35	M50	Z	16.085	1
36	M50	Mx	0	1
37	MP3A	X	-6.786	4
38	MP3A	Z	11.754	4
39	MP3A	Mx	-.003	4
40	MP2A	X	-6.573	4
41	MP2A	Z	11.384	4
42	MP2A	Mx	-.003	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-8.602	2
2	MP2A	Z	4.966	2
3	MP2A	Mx	.004	2
4	MP2A	X	-8.602	4
5	MP2A	Z	4.966	4
6	MP2A	Mx	.004	4
7	MP1A	X	-27.809	.5
8	MP1A	Z	16.056	.5
9	MP1A	Mx	.014	.5
10	MP1A	X	-27.809	5
11	MP1A	Z	16.056	5
12	MP1A	Mx	.014	5
13	MP4A	X	-27.809	.5
14	MP4A	Z	16.056	.5
15	MP4A	Mx	.014	.5
16	MP4A	X	-27.809	5
17	MP4A	Z	16.056	5
18	MP4A	Mx	.014	5
19	MP3A	X	-21.676	1.5
20	MP3A	Z	12.515	1.5
21	MP3A	Mx	.005	1.5
22	MP3A	X	-21.676	5
23	MP3A	Z	12.515	5
24	MP3A	Mx	.005	5
25	MP3A	X	-21.676	1.5
26	MP3A	Z	12.515	1.5
27	MP3A	Mx	.017	1.5
28	MP3A	X	-21.676	5
29	MP3A	Z	12.515	5
30	MP3A	Mx	.017	5
31	M49	X	-2.973	2
32	M49	Z	1.716	2
33	M49	Mx	0	2
34	M50	X	-19.028	1
35	M50	Z	10.986	1
36	M50	Mx	0	1
37	MP3A	X	-9.809	4
38	MP3A	Z	5.663	4
39	MP3A	Mx	-.005	4
40	MP2A	X	-8.701	4
41	MP2A	Z	5.023	4
42	MP2A	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-7.417	2
2	MP2A	Z	0	2
3	MP2A	Mx	.004	2
4	MP2A	X	-7.417	4
5	MP2A	Z	0	4
6	MP2A	Mx	.004	4
7	MP1A	X	-31.149	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	.016	.5
10	MP1A	X	-31.149	5
11	MP1A	Z	0	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP1A	Mx	.016	5
13	MP4A	X	-31.149	.5
14	MP4A	Z	0	.5
15	MP4A	Mx	.016	.5
16	MP4A	X	-31.149	5
17	MP4A	Z	0	5
18	MP4A	Mx	.016	5
19	MP3A	X	-22.407	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.011	1.5
22	MP3A	X	-22.407	5
23	MP3A	Z	0	5
24	MP3A	Mx	.011	5
25	MP3A	X	-22.407	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	.011	1.5
28	MP3A	X	-22.407	5
29	MP3A	Z	0	5
30	MP3A	Mx	.011	5
31	M49	X	-3.51	2
32	M49	Z	0	2
33	M49	Mx	0	2
34	M50	X	-22.6	1
35	M50	Z	0	1
36	M50	Mx	0	1
37	MP3A	X	-10.204	4
38	MP3A	Z	0	4
39	MP3A	Mx	-.005	4
40	MP2A	X	-8.498	4
41	MP2A	Z	0	4
42	MP2A	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-8.602	2
2	MP2A	Z	-4.966	2
3	MP2A	Mx	.004	2
4	MP2A	X	-8.602	4
5	MP2A	Z	-4.966	4
6	MP2A	Mx	.004	4
7	MP1A	X	-27.809	.5
8	MP1A	Z	-16.056	.5
9	MP1A	Mx	.014	.5
10	MP1A	X	-27.809	5
11	MP1A	Z	-16.056	5
12	MP1A	Mx	.014	5
13	MP4A	X	-27.809	.5
14	MP4A	Z	-16.056	.5
15	MP4A	Mx	.014	.5
16	MP4A	X	-27.809	5
17	MP4A	Z	-16.056	5
18	MP4A	Mx	.014	5
19	MP3A	X	-21.676	1.5
20	MP3A	Z	-12.515	1.5
21	MP3A	Mx	.017	1.5
22	MP3A	X	-21.676	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP3A	Z	-12.515	5
24	MP3A	Mx	.017	5
25	MP3A	X	-21.676	1.5
26	MP3A	Z	-12.515	1.5
27	MP3A	Mx	.005	1.5
28	MP3A	X	-21.676	5
29	MP3A	Z	-12.515	5
30	MP3A	Mx	.005	5
31	M49	X	-2.744	2
32	M49	Z	-1.584	2
33	M49	Mx	0	2
34	M50	X	-17.173	1
35	M50	Z	-9.915	1
36	M50	Mx	0	1
37	MP3A	X	-9.809	4
38	MP3A	Z	-5.663	4
39	MP3A	Mx	-.005	4
40	MP2A	X	-8.701	4
41	MP2A	Z	-5.023	4
42	MP2A	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-7.481	2
2	MP2A	Z	-12.958	2
3	MP2A	Mx	.004	2
4	MP2A	X	-7.481	4
5	MP2A	Z	-12.958	4
6	MP2A	Mx	.004	4
7	MP1A	X	-17.018	.5
8	MP1A	Z	-29.476	.5
9	MP1A	Mx	.009	.5
10	MP1A	X	-17.018	5
11	MP1A	Z	-29.476	5
12	MP1A	Mx	.009	5
13	MP4A	X	-17.018	.5
14	MP4A	Z	-29.476	.5
15	MP4A	Mx	.009	.5
16	MP4A	X	-17.018	5
17	MP4A	Z	-29.476	5
18	MP4A	Mx	.009	5
19	MP3A	X	-15.138	1.5
20	MP3A	Z	-26.22	1.5
21	MP3A	Mx	.021	1.5
22	MP3A	X	-15.138	5
23	MP3A	Z	-26.22	5
24	MP3A	Mx	.021	5
25	MP3A	X	-15.138	1.5
26	MP3A	Z	-26.22	1.5
27	MP3A	Mx	-.006	1.5
28	MP3A	X	-15.138	5
29	MP3A	Z	-26.22	5
30	MP3A	Mx	-.006	5
31	M49	X	-1.375	2
32	M49	Z	-2.382	2
33	M49	Mx	0	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
34	M50	X	-8.216	1
35	M50	Z	-14.23	1
36	M50	Mx	0	1
37	MP3A	X	-6.786	4
38	MP3A	Z	-11.754	4
39	MP3A	Mx	-.003	4
40	MP2A	X	-6.573	4
41	MP2A	Z	-11.384	4
42	MP2A	Mx	-.003	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	2
2	MP2A	Z	-5.598	2
3	MP2A	Mx	0	2
4	MP2A	X	0	4
5	MP2A	Z	-5.598	4
6	MP2A	Mx	0	4
7	MP1A	X	0	.5
8	MP1A	Z	-11.625	.5
9	MP1A	Mx	0	.5
10	MP1A	X	0	5
11	MP1A	Z	-11.625	5
12	MP1A	Mx	0	5
13	MP4A	X	0	.5
14	MP4A	Z	-11.625	.5
15	MP4A	Mx	0	.5
16	MP4A	X	0	5
17	MP4A	Z	-11.625	5
18	MP4A	Mx	0	5
19	MP3A	X	0	1.5
20	MP3A	Z	-10.85	1.5
21	MP3A	Mx	.005	1.5
22	MP3A	X	0	5
23	MP3A	Z	-10.85	5
24	MP3A	Mx	.005	5
25	MP3A	X	0	1.5
26	MP3A	Z	-10.85	1.5
27	MP3A	Mx	-.005	1.5
28	MP3A	X	0	5
29	MP3A	Z	-10.85	5
30	MP3A	Mx	-.005	5
31	M49	X	0	2
32	M49	Z	-618	2
33	M49	Mx	0	2
34	M50	X	0	1
35	M50	Z	-4.777	1
36	M50	Mx	0	1
37	MP3A	X	0	4
38	MP3A	Z	-4.455	4
39	MP3A	Mx	0	4
40	MP2A	X	0	4
41	MP2A	Z	-4.455	4
42	MP2A	Mx	0	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	2.373	2
2	MP2A	Z	-4.11	2
3	MP2A	Mx	-.001	2
4	MP2A	X	2.373	4
5	MP2A	Z	-4.11	4
6	MP2A	Mx	-.001	4
7	MP1A	X	5.64	.5
8	MP1A	Z	-9.769	.5
9	MP1A	Mx	-.003	.5
10	MP1A	X	5.64	5
11	MP1A	Z	-9.769	5
12	MP1A	Mx	-.003	5
13	MP4A	X	5.64	.5
14	MP4A	Z	-9.769	.5
15	MP4A	Mx	-.003	.5
16	MP4A	X	5.64	5
17	MP4A	Z	-9.769	5
18	MP4A	Mx	-.003	5
19	MP3A	X	4.96	1.5
20	MP3A	Z	-8.59	1.5
21	MP3A	Mx	.002	1.5
22	MP3A	X	4.96	5
23	MP3A	Z	-8.59	5
24	MP3A	Mx	.002	5
25	MP3A	X	4.96	1.5
26	MP3A	Z	-8.59	1.5
27	MP3A	Mx	-.007	1.5
28	MP3A	X	4.96	5
29	MP3A	Z	-8.59	5
30	MP3A	Mx	-.007	5
31	M49	X	.361	2
32	M49	Z	-.625	2
33	M49	Mx	0	2
34	M50	X	2.861	1
35	M50	Z	-4.956	1
36	M50	Mx	0	1
37	MP3A	X	2.043	4
38	MP3A	Z	-3.538	4
39	MP3A	Mx	.001	4
40	MP2A	X	1.972	4
41	MP2A	Z	-3.415	4
42	MP2A	Mx	.000986	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	2.635	2
2	MP2A	Z	-1.522	2
3	MP2A	Mx	-.001	2
4	MP2A	X	2.635	4
5	MP2A	Z	-1.522	4
6	MP2A	Mx	-.001	4
7	MP1A	X	9.172	.5
8	MP1A	Z	-5.296	.5
9	MP1A	Mx	-.005	.5
10	MP1A	X	9.172	5
11	MP1A	Z	-5.296	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP1A	Mx	-0.005	5
13	MP4A	X	9.172	.5
14	MP4A	Z	-5.296	.5
15	MP4A	Mx	-0.005	.5
16	MP4A	X	9.172	5
17	MP4A	Z	-5.296	5
18	MP4A	Mx	-0.005	5
19	MP3A	X	6.978	1.5
20	MP3A	Z	-4.029	1.5
21	MP3A	Mx	-0.001	1.5
22	MP3A	X	6.978	5
23	MP3A	Z	-4.029	5
24	MP3A	Mx	-0.001	5
25	MP3A	X	6.978	1.5
26	MP3A	Z	-4.029	1.5
27	MP3A	Mx	-0.006	1.5
28	MP3A	X	6.978	5
29	MP3A	Z	-4.029	5
30	MP3A	Mx	-0.006	5
31	M49	X	.736	2
32	M49	Z	-4.25	2
33	M49	Mx	0	2
34	M50	X	5.96	1
35	M50	Z	-3.441	1
36	M50	Mx	0	1
37	MP3A	X	2.898	4
38	MP3A	Z	-1.673	4
39	MP3A	Mx	.001	4
40	MP2A	X	2.531	4
41	MP2A	Z	-1.461	4
42	MP2A	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	2.192	2
2	MP2A	Z	0	2
3	MP2A	Mx	-0.001	2
4	MP2A	X	2.192	4
5	MP2A	Z	0	4
6	MP2A	Mx	-0.001	4
7	MP1A	X	10.247	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	-0.005	.5
10	MP1A	X	10.247	5
11	MP1A	Z	0	5
12	MP1A	Mx	-0.005	5
13	MP4A	X	10.247	.5
14	MP4A	Z	0	.5
15	MP4A	Mx	-0.005	.5
16	MP4A	X	10.247	5
17	MP4A	Z	0	5
18	MP4A	Mx	-0.005	5
19	MP3A	X	7.126	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-0.004	1.5
22	MP3A	X	7.126	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP3A	Z	0	5
24	MP3A	Mx	-.004	5
25	MP3A	X	7.126	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	-.004	1.5
28	MP3A	X	7.126	5
29	MP3A	Z	0	5
30	MP3A	Mx	-.004	5
31	M49	X	.873	2
32	M49	Z	0	2
33	M49	Mx	0	2
34	M50	X	7.096	1
35	M50	Z	0	1
36	M50	Mx	0	1
37	MP3A	X	2.978	4
38	MP3A	Z	0	4
39	MP3A	Mx	.001	4
40	MP2A	X	2.412	4
41	MP2A	Z	0	4
42	MP2A	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	2.635	2
2	MP2A	Z	1.522	2
3	MP2A	Mx	-.001	2
4	MP2A	X	2.635	4
5	MP2A	Z	1.522	4
6	MP2A	Mx	-.001	4
7	MP1A	X	9.172	.5
8	MP1A	Z	5.296	.5
9	MP1A	Mx	-.005	.5
10	MP1A	X	9.172	5
11	MP1A	Z	5.296	5
12	MP1A	Mx	-.005	5
13	MP4A	X	9.172	.5
14	MP4A	Z	5.296	.5
15	MP4A	Mx	-.005	.5
16	MP4A	X	9.172	5
17	MP4A	Z	5.296	5
18	MP4A	Mx	-.005	5
19	MP3A	X	6.978	1.5
20	MP3A	Z	4.029	1.5
21	MP3A	Mx	-.006	1.5
22	MP3A	X	6.978	5
23	MP3A	Z	4.029	5
24	MP3A	Mx	-.006	5
25	MP3A	X	6.978	1.5
26	MP3A	Z	4.029	1.5
27	MP3A	Mx	-.001	1.5
28	MP3A	X	6.978	5
29	MP3A	Z	4.029	5
30	MP3A	Mx	-.001	5
31	M49	X	.666	2
32	M49	Z	.385	2
33	M49	Mx	0	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
34	M50	X	5.327	1
35	M50	Z	3.075	1
36	M50	Mx	0	1
37	MP3A	X	2.898	4
38	MP3A	Z	1.673	4
39	MP3A	Mx	.001	4
40	MP2A	X	2.531	4
41	MP2A	Z	1.461	4
42	MP2A	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	2.373	2
2	MP2A	Z	4.11	2
3	MP2A	Mx	-.001	2
4	MP2A	X	2.373	4
5	MP2A	Z	4.11	4
6	MP2A	Mx	-.001	4
7	MP1A	X	5.64	.5
8	MP1A	Z	9.769	.5
9	MP1A	Mx	-.003	.5
10	MP1A	X	5.64	5
11	MP1A	Z	9.769	5
12	MP1A	Mx	-.003	5
13	MP4A	X	5.64	.5
14	MP4A	Z	9.769	.5
15	MP4A	Mx	-.003	.5
16	MP4A	X	5.64	5
17	MP4A	Z	9.769	5
18	MP4A	Mx	-.003	5
19	MP3A	X	4.96	1.5
20	MP3A	Z	8.59	1.5
21	MP3A	Mx	-.007	1.5
22	MP3A	X	4.96	5
23	MP3A	Z	8.59	5
24	MP3A	Mx	-.007	5
25	MP3A	X	4.96	1.5
26	MP3A	Z	8.59	1.5
27	MP3A	Mx	.002	1.5
28	MP3A	X	4.96	5
29	MP3A	Z	8.59	5
30	MP3A	Mx	.002	5
31	M49	X	.321	2
32	M49	Z	.556	2
33	M49	Mx	0	2
34	M50	X	2.496	1
35	M50	Z	4.323	1
36	M50	Mx	0	1
37	MP3A	X	2.043	4
38	MP3A	Z	3.538	4
39	MP3A	Mx	.001	4
40	MP2A	X	1.972	4
41	MP2A	Z	3.415	4
42	MP2A	Mx	.000986	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	2
2	MP2A	Z	5.598	2
3	MP2A	Mx	0	2
4	MP2A	X	0	4
5	MP2A	Z	5.598	4
6	MP2A	Mx	0	4
7	MP1A	X	0	.5
8	MP1A	Z	11.625	.5
9	MP1A	Mx	0	.5
10	MP1A	X	0	5
11	MP1A	Z	11.625	5
12	MP1A	Mx	0	5
13	MP4A	X	0	.5
14	MP4A	Z	11.625	.5
15	MP4A	Mx	0	.5
16	MP4A	X	0	5
17	MP4A	Z	11.625	5
18	MP4A	Mx	0	5
19	MP3A	X	0	1.5
20	MP3A	Z	10.85	1.5
21	MP3A	Mx	-.005	1.5
22	MP3A	X	0	5
23	MP3A	Z	10.85	5
24	MP3A	Mx	-.005	5
25	MP3A	X	0	1.5
26	MP3A	Z	10.85	1.5
27	MP3A	Mx	.005	1.5
28	MP3A	X	0	5
29	MP3A	Z	10.85	5
30	MP3A	Mx	.005	5
31	M49	X	0	2
32	M49	Z	.618	2
33	M49	Mx	0	2
34	M50	X	0	1
35	M50	Z	4.777	1
36	M50	Mx	0	1
37	MP3A	X	0	4
38	MP3A	Z	4.455	4
39	MP3A	Mx	0	4
40	MP2A	X	0	4
41	MP2A	Z	4.455	4
42	MP2A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-2.373	2
2	MP2A	Z	4.11	2
3	MP2A	Mx	.001	2
4	MP2A	X	-2.373	4
5	MP2A	Z	4.11	4
6	MP2A	Mx	.001	4
7	MP1A	X	-5.64	.5
8	MP1A	Z	9.769	.5
9	MP1A	Mx	.003	.5
10	MP1A	X	-5.64	5
11	MP1A	Z	9.769	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP1A	Mx	.003	5
13	MP4A	X	-5.64	.5
14	MP4A	Z	9.769	.5
15	MP4A	Mx	.003	.5
16	MP4A	X	-5.64	5
17	MP4A	Z	9.769	5
18	MP4A	Mx	.003	5
19	MP3A	X	-4.96	1.5
20	MP3A	Z	8.59	1.5
21	MP3A	Mx	-.002	1.5
22	MP3A	X	-4.96	5
23	MP3A	Z	8.59	5
24	MP3A	Mx	-.002	5
25	MP3A	X	-4.96	1.5
26	MP3A	Z	8.59	1.5
27	MP3A	Mx	.007	1.5
28	MP3A	X	-4.96	5
29	MP3A	Z	8.59	5
30	MP3A	Mx	.007	5
31	M49	X	-.361	2
32	M49	Z	.625	2
33	M49	Mx	0	2
34	M50	X	-2.861	1
35	M50	Z	4.956	1
36	M50	Mx	0	1
37	MP3A	X	-2.043	4
38	MP3A	Z	3.538	4
39	MP3A	Mx	-.001	4
40	MP2A	X	-1.972	4
41	MP2A	Z	3.415	4
42	MP2A	Mx	-.000986	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-2.635	2
2	MP2A	Z	1.522	2
3	MP2A	Mx	.001	2
4	MP2A	X	-2.635	4
5	MP2A	Z	1.522	4
6	MP2A	Mx	.001	4
7	MP1A	X	-9.172	.5
8	MP1A	Z	5.296	.5
9	MP1A	Mx	.005	.5
10	MP1A	X	-9.172	5
11	MP1A	Z	5.296	5
12	MP1A	Mx	.005	5
13	MP4A	X	-9.172	.5
14	MP4A	Z	5.296	.5
15	MP4A	Mx	.005	.5
16	MP4A	X	-9.172	5
17	MP4A	Z	5.296	5
18	MP4A	Mx	.005	5
19	MP3A	X	-6.978	1.5
20	MP3A	Z	4.029	1.5
21	MP3A	Mx	.001	1.5
22	MP3A	X	-6.978	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP3A	Z	4.029	5
24	MP3A	Mx	.001	5
25	MP3A	X	-6.978	1.5
26	MP3A	Z	4.029	1.5
27	MP3A	Mx	.006	1.5
28	MP3A	X	-6.978	5
29	MP3A	Z	4.029	5
30	MP3A	Mx	.006	5
31	M49	X	-.736	2
32	M49	Z	.425	2
33	M49	Mx	0	2
34	M50	X	-5.96	1
35	M50	Z	3.441	1
36	M50	Mx	0	1
37	MP3A	X	-2.898	4
38	MP3A	Z	1.673	4
39	MP3A	Mx	-.001	4
40	MP2A	X	-2.531	4
41	MP2A	Z	1.461	4
42	MP2A	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-2.192	2
2	MP2A	Z	0	2
3	MP2A	Mx	.001	2
4	MP2A	X	-2.192	4
5	MP2A	Z	0	4
6	MP2A	Mx	.001	4
7	MP1A	X	-10.247	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	.005	.5
10	MP1A	X	-10.247	5
11	MP1A	Z	0	5
12	MP1A	Mx	.005	5
13	MP4A	X	-10.247	.5
14	MP4A	Z	0	.5
15	MP4A	Mx	.005	.5
16	MP4A	X	-10.247	5
17	MP4A	Z	0	5
18	MP4A	Mx	.005	5
19	MP3A	X	-7.126	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.004	1.5
22	MP3A	X	-7.126	5
23	MP3A	Z	0	5
24	MP3A	Mx	.004	5
25	MP3A	X	-7.126	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	.004	1.5
28	MP3A	X	-7.126	5
29	MP3A	Z	0	5
30	MP3A	Mx	.004	5
31	M49	X	-.873	2
32	M49	Z	0	2
33	M49	Mx	0	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
34	M50	X	-7.096	1
35	M50	Z	0	1
36	M50	Mx	0	1
37	MP3A	X	-2.978	4
38	MP3A	Z	0	4
39	MP3A	Mx	-.001	4
40	MP2A	X	-2.412	4
41	MP2A	Z	0	4
42	MP2A	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-2.635	2
2	MP2A	Z	-1.522	2
3	MP2A	Mx	.001	2
4	MP2A	X	-2.635	4
5	MP2A	Z	-1.522	4
6	MP2A	Mx	.001	4
7	MP1A	X	-9.172	.5
8	MP1A	Z	-5.296	.5
9	MP1A	Mx	.005	.5
10	MP1A	X	-9.172	5
11	MP1A	Z	-5.296	5
12	MP1A	Mx	.005	5
13	MP4A	X	-9.172	.5
14	MP4A	Z	-5.296	.5
15	MP4A	Mx	.005	.5
16	MP4A	X	-9.172	5
17	MP4A	Z	-5.296	5
18	MP4A	Mx	.005	5
19	MP3A	X	-6.978	1.5
20	MP3A	Z	-4.029	1.5
21	MP3A	Mx	.006	1.5
22	MP3A	X	-6.978	5
23	MP3A	Z	-4.029	5
24	MP3A	Mx	.006	5
25	MP3A	X	-6.978	1.5
26	MP3A	Z	-4.029	1.5
27	MP3A	Mx	.001	1.5
28	MP3A	X	-6.978	5
29	MP3A	Z	-4.029	5
30	MP3A	Mx	.001	5
31	M49	X	-.666	2
32	M49	Z	-.385	2
33	M49	Mx	0	2
34	M50	X	-5.327	1
35	M50	Z	-3.075	1
36	M50	Mx	0	1
37	MP3A	X	-2.898	4
38	MP3A	Z	-1.673	4
39	MP3A	Mx	-.001	4
40	MP2A	X	-2.531	4
41	MP2A	Z	-1.461	4
42	MP2A	Mx	-.001	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-2.373	2
2	MP2A	Z	-4.11	2
3	MP2A	Mx	.001	2
4	MP2A	X	-2.373	4
5	MP2A	Z	-4.11	4
6	MP2A	Mx	.001	4
7	MP1A	X	-5.64	.5
8	MP1A	Z	-9.769	.5
9	MP1A	Mx	.003	.5
10	MP1A	X	-5.64	5
11	MP1A	Z	-9.769	5
12	MP1A	Mx	.003	5
13	MP4A	X	-5.64	.5
14	MP4A	Z	-9.769	.5
15	MP4A	Mx	.003	.5
16	MP4A	X	-5.64	5
17	MP4A	Z	-9.769	5
18	MP4A	Mx	.003	5
19	MP3A	X	-4.96	1.5
20	MP3A	Z	-8.59	1.5
21	MP3A	Mx	.007	1.5
22	MP3A	X	-4.96	5
23	MP3A	Z	-8.59	5
24	MP3A	Mx	.007	5
25	MP3A	X	-4.96	1.5
26	MP3A	Z	-8.59	1.5
27	MP3A	Mx	-.002	1.5
28	MP3A	X	-4.96	5
29	MP3A	Z	-8.59	5
30	MP3A	Mx	-.002	5
31	M49	X	-.321	2
32	M49	Z	-.556	2
33	M49	Mx	0	2
34	M50	X	-2.496	1
35	M50	Z	-4.323	1
36	M50	Mx	0	1
37	MP3A	X	-2.043	4
38	MP3A	Z	-3.538	4
39	MP3A	Mx	-.001	4
40	MP2A	X	-1.972	4
41	MP2A	Z	-3.415	4
42	MP2A	Mx	-.000986	4

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	Y	-500	%66

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	Y	-500	%34

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	Y	-250	0



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Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-5.369	-5.369	0	%100
2	M2	Y	-5.369	-5.369	0	%100
3	M13	Y	-6.287	-6.287	0	%100
4	M14	Y	-6.287	-6.287	0	%100
5	M15	Y	-6.287	-6.287	0	%100
6	M16	Y	-6.287	-6.287	0	%100
7	M17	Y	-4.694	-4.694	0	%100
8	M18	Y	-4.694	-4.694	0	%100
9	M19	Y	-4.694	-4.694	0	%100
10	M20	Y	-4.694	-4.694	0	%100
11	M21	Y	-6.287	-6.287	0	%100
12	M22	Y	-6.287	-6.287	0	%100
13	M23	Y	-6.287	-6.287	0	%100
14	M24	Y	-6.287	-6.287	0	%100
15	M25	Y	-2.502	-2.502	0	%100
16	M26	Y	-2.502	-2.502	0	%100
17	M27	Y	-2.502	-2.502	0	%100
18	M28	Y	-2.502	-2.502	0	%100
19	M31	Y	-4.694	-4.694	0	%100
20	M32	Y	-4.694	-4.694	0	%100
21	M44	Y	-2.333	-2.333	0	%100
22	M45	Y	-2.333	-2.333	0	%100
23	M46	Y	-2.333	-2.333	0	%100
24	M47	Y	-2.333	-2.333	0	%100
25	MP1A	Y	-4.694	-4.694	0	%100
26	MP2A	Y	-4.694	-4.694	0	%100
27	MP3A	Y	-4.694	-4.694	0	%100
28	MP4A	Y	-4.694	-4.694	0	%100
29	M49	Y	-4.694	-4.694	0	%100
30	M50	Y	-4.694	-4.694	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-10.958	-10.958	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-10.958	-10.958	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-4.326	-4.326	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-4.326	-4.326	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-4.326	-4.326	0	%100



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Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
19	M20	X	0	0	0	%100
20	M20	Z	-4.326	-4.326	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-2.382	-2.382	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-2.382	-2.382	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-2.382	-2.382	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-2.382	-2.382	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-2.467	-2.467	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-2.467	-2.467	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-2.467	-2.467	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-2.467	-2.467	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-4.151	-4.151	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-4.151	-4.151	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	-2.382	-2.382	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	-2.382	-2.382	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-2.382	-2.382	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	-2.382	-2.382	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-9.052	-9.052	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-9.052	-9.052	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-9.052	-9.052	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-9.052	-9.052	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-8.249	-8.249	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	-8.249	-8.249	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	4.109	4.109	0	%100
2	M1	Z	-7.117	-7.117	0	%100
3	M2	X	4.109	4.109	0	%100
4	M2	Z	-7.117	-7.117	0	%100
5	M13	X	.298	.298	0	%100
6	M13	Z	-.516	-.516	0	%100
7	M14	X	.298	.298	0	%100
8	M14	Z	-.516	-.516	0	%100
9	M15	X	.298	.298	0	%100
10	M15	Z	-.516	-.516	0	%100
11	M16	X	.298	.298	0	%100



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Member Distributed Loads (BLC 42 : Structure Wo (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
12	M16	Z	-.516	-.516	0	%100
13	M17	X	.487	.487	0	%100
14	M17	Z	-.844	-.844	0	%100
15	M18	X	.487	.487	0	%100
16	M18	Z	-.844	-.844	0	%100
17	M19	X	3.421	3.421	0	%100
18	M19	Z	-5.925	-5.925	0	%100
19	M20	X	3.421	3.421	0	%100
20	M20	Z	-5.925	-5.925	0	%100
21	M21	X	.893	.893	0	%100
22	M21	Z	-1.547	-1.547	0	%100
23	M22	X	.893	.893	0	%100
24	M22	Z	-1.547	-1.547	0	%100
25	M23	X	.893	.893	0	%100
26	M23	Z	-1.547	-1.547	0	%100
27	M24	X	.893	.893	0	%100
28	M24	Z	-1.547	-1.547	0	%100
29	M25	X	.986	.986	0	%100
30	M25	Z	-1.709	-1.709	0	%100
31	M26	X	.986	.986	0	%100
32	M26	Z	-1.709	-1.709	0	%100
33	M27	X	1.419	1.419	0	%100
34	M27	Z	-2.458	-2.458	0	%100
35	M28	X	1.419	1.419	0	%100
36	M28	Z	-2.458	-2.458	0	%100
37	M31	X	4.122	4.122	0	%100
38	M31	Z	-7.14	-7.14	0	%100
39	M32	X	4.122	4.122	0	%100
40	M32	Z	-7.14	-7.14	0	%100
41	M44	X	1.191	1.191	0	%100
42	M44	Z	-2.063	-2.063	0	%100
43	M45	X	1.191	1.191	0	%100
44	M45	Z	-2.063	-2.063	0	%100
45	M46	X	1.191	1.191	0	%100
46	M46	Z	-2.063	-2.063	0	%100
47	M47	X	1.191	1.191	0	%100
48	M47	Z	-2.063	-2.063	0	%100
49	MP1A	X	4.526	4.526	0	%100
50	MP1A	Z	-7.839	-7.839	0	%100
51	MP2A	X	4.526	4.526	0	%100
52	MP2A	Z	-7.839	-7.839	0	%100
53	MP3A	X	4.526	4.526	0	%100
54	MP3A	Z	-7.839	-7.839	0	%100
55	MP4A	X	4.526	4.526	0	%100
56	MP4A	Z	-7.839	-7.839	0	%100
57	M49	X	4.125	4.125	0	%100
58	M49	Z	-7.144	-7.144	0	%100
59	M50	X	4.125	4.125	0	%100
60	M50	Z	-7.144	-7.144	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.372	2.372	0	%100
2	M1	Z	-1.37	-1.37	0	%100
3	M2	X	2.372	2.372	0	%100
4	M2	Z	-1.37	-1.37	0	%100



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Member Distributed Loads (BLC 43 : Structure Wo (60 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
5	M13	X	1.547	1.547	0 %100
6	M13	Z	-.893	-.893	0 %100
7	M14	X	1.547	1.547	0 %100
8	M14	Z	-.893	-.893	0 %100
9	M15	X	1.547	1.547	0 %100
10	M15	Z	-.893	-.893	0 %100
11	M16	X	1.547	1.547	0 %100
12	M16	Z	-.893	-.893	0 %100
13	M17	X	.119	.119	0 %100
14	M17	Z	-.069	-.069	0 %100
15	M18	X	.119	.119	0 %100
16	M18	Z	-.069	-.069	0 %100
17	M19	X	5.201	5.201	0 %100
18	M19	Z	-3.003	-3.003	0 %100
19	M20	X	5.201	5.201	0 %100
20	M20	Z	-3.003	-3.003	0 %100
21	M21	X	.516	.516	0 %100
22	M21	Z	-.298	-.298	0 %100
23	M22	X	.516	.516	0 %100
24	M22	Z	-.298	-.298	0 %100
25	M23	X	.516	.516	0 %100
26	M23	Z	-.298	-.298	0 %100
27	M24	X	.516	.516	0 %100
28	M24	Z	-.298	-.298	0 %100
29	M25	X	1.602	1.602	0 %100
30	M25	Z	-.925	-.925	0 %100
31	M26	X	1.602	1.602	0 %100
32	M26	Z	-.925	-.925	0 %100
33	M27	X	2.351	2.351	0 %100
34	M27	Z	-1.357	-1.357	0 %100
35	M28	X	2.351	2.351	0 %100
36	M28	Z	-1.357	-1.357	0 %100
37	M31	X	7.465	7.465	0 %100
38	M31	Z	-4.31	-4.31	0 %100
39	M32	X	7.465	7.465	0 %100
40	M32	Z	-4.31	-4.31	0 %100
41	M44	X	2.063	2.063	0 %100
42	M44	Z	-1.191	-1.191	0 %100
43	M45	X	2.063	2.063	0 %100
44	M45	Z	-1.191	-1.191	0 %100
45	M46	X	2.063	2.063	0 %100
46	M46	Z	-1.191	-1.191	0 %100
47	M47	X	2.063	2.063	0 %100
48	M47	Z	-1.191	-1.191	0 %100
49	MP1A	X	7.839	7.839	0 %100
50	MP1A	Z	-4.526	-4.526	0 %100
51	MP2A	X	7.839	7.839	0 %100
52	MP2A	Z	-4.526	-4.526	0 %100
53	MP3A	X	7.839	7.839	0 %100
54	MP3A	Z	-4.526	-4.526	0 %100
55	MP4A	X	7.839	7.839	0 %100
56	MP4A	Z	-4.526	-4.526	0 %100
57	M49	X	7.144	7.144	0 %100
58	M49	Z	-4.125	-4.125	0 %100
59	M50	X	7.144	7.144	0 %100
60	M50	Z	-4.125	-4.125	0 %100



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Member Distributed Loads (BLC 44 : Structure Wo (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	2.382	2.382	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	2.382	2.382	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	2.382	2.382	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	2.382	2.382	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	2.653	2.653	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	2.653	2.653	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	2.653	2.653	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	2.653	2.653	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	2.22	2.22	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	2.22	2.22	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	2.22	2.22	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	2.22	2.22	0	%100
36	M28	Z	0	0	0	%100
37	M31	X	4.901	4.901	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	4.901	4.901	0	%100
40	M32	Z	0	0	0	%100
41	M44	X	2.382	2.382	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	2.382	2.382	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	2.382	2.382	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	2.382	2.382	0	%100
48	M47	Z	0	0	0	%100
49	MP1A	X	9.052	9.052	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	9.052	9.052	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	9.052	9.052	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	9.052	9.052	0	%100
56	MP4A	Z	0	0	0	%100
57	M49	X	8.249	8.249	0	%100



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Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
58	M49	Z	0	0	0	%100
59	M50	X	8.249	8.249	0	%100
60	M50	Z	0	0	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.372	2.372	0	%100
2	M1	Z	1.37	1.37	0	%100
3	M2	X	2.372	2.372	0	%100
4	M2	Z	1.37	1.37	0	%100
5	M13	X	1.547	1.547	0	%100
6	M13	Z	.893	.893	0	%100
7	M14	X	1.547	1.547	0	%100
8	M14	Z	.893	.893	0	%100
9	M15	X	1.547	1.547	0	%100
10	M15	Z	.893	.893	0	%100
11	M16	X	1.547	1.547	0	%100
12	M16	Z	.893	.893	0	%100
13	M17	X	5.201	5.201	0	%100
14	M17	Z	3.003	3.003	0	%100
15	M18	X	5.201	5.201	0	%100
16	M18	Z	3.003	3.003	0	%100
17	M19	X	.119	.119	0	%100
18	M19	Z	.069	.069	0	%100
19	M20	X	.119	.119	0	%100
20	M20	Z	.069	.069	0	%100
21	M21	X	.516	.516	0	%100
22	M21	Z	.298	.298	0	%100
23	M22	X	.516	.516	0	%100
24	M22	Z	.298	.298	0	%100
25	M23	X	.516	.516	0	%100
26	M23	Z	.298	.298	0	%100
27	M24	X	.516	.516	0	%100
28	M24	Z	.298	.298	0	%100
29	M25	X	2.351	2.351	0	%100
30	M25	Z	1.357	1.357	0	%100
31	M26	X	2.351	2.351	0	%100
32	M26	Z	1.357	1.357	0	%100
33	M27	X	1.602	1.602	0	%100
34	M27	Z	.925	.925	0	%100
35	M28	X	1.602	1.602	0	%100
36	M28	Z	.925	.925	0	%100
37	M31	X	.699	.699	0	%100
38	M31	Z	.404	.404	0	%100
39	M32	X	.699	.699	0	%100
40	M32	Z	.404	.404	0	%100
41	M44	X	2.063	2.063	0	%100
42	M44	Z	1.191	1.191	0	%100
43	M45	X	2.063	2.063	0	%100
44	M45	Z	1.191	1.191	0	%100
45	M46	X	2.063	2.063	0	%100
46	M46	Z	1.191	1.191	0	%100
47	M47	X	2.063	2.063	0	%100
48	M47	Z	1.191	1.191	0	%100
49	MP1A	X	7.839	7.839	0	%100
50	MP1A	Z	4.526	4.526	0	%100



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Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
51	MP2A	X	7.839	7.839	0	%100
52	MP2A	Z	4.526	4.526	0	%100
53	MP3A	X	7.839	7.839	0	%100
54	MP3A	Z	4.526	4.526	0	%100
55	MP4A	X	7.839	7.839	0	%100
56	MP4A	Z	4.526	4.526	0	%100
57	M49	X	7.144	7.144	0	%100
58	M49	Z	4.125	4.125	0	%100
59	M50	X	7.144	7.144	0	%100
60	M50	Z	4.125	4.125	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	4.109	4.109	0	%100
2	M1	Z	7.117	7.117	0	%100
3	M2	X	4.109	4.109	0	%100
4	M2	Z	7.117	7.117	0	%100
5	M13	X	.298	.298	0	%100
6	M13	Z	.516	.516	0	%100
7	M14	X	.298	.298	0	%100
8	M14	Z	.516	.516	0	%100
9	M15	X	.298	.298	0	%100
10	M15	Z	.516	.516	0	%100
11	M16	X	.298	.298	0	%100
12	M16	Z	.516	.516	0	%100
13	M17	X	3.421	3.421	0	%100
14	M17	Z	5.925	5.925	0	%100
15	M18	X	3.421	3.421	0	%100
16	M18	Z	5.925	5.925	0	%100
17	M19	X	.487	.487	0	%100
18	M19	Z	.844	.844	0	%100
19	M20	X	.487	.487	0	%100
20	M20	Z	.844	.844	0	%100
21	M21	X	.893	.893	0	%100
22	M21	Z	1.547	1.547	0	%100
23	M22	X	.893	.893	0	%100
24	M22	Z	1.547	1.547	0	%100
25	M23	X	.893	.893	0	%100
26	M23	Z	1.547	1.547	0	%100
27	M24	X	.893	.893	0	%100
28	M24	Z	1.547	1.547	0	%100
29	M25	X	1.419	1.419	0	%100
30	M25	Z	2.458	2.458	0	%100
31	M26	X	1.419	1.419	0	%100
32	M26	Z	2.458	2.458	0	%100
33	M27	X	.986	.986	0	%100
34	M27	Z	1.709	1.709	0	%100
35	M28	X	.986	.986	0	%100
36	M28	Z	1.709	1.709	0	%100
37	M31	X	.216	.216	0	%100
38	M31	Z	.374	.374	0	%100
39	M32	X	.216	.216	0	%100
40	M32	Z	.374	.374	0	%100
41	M44	X	1.191	1.191	0	%100
42	M44	Z	2.063	2.063	0	%100
43	M45	X	1.191	1.191	0	%100



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Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
44	M45	Z	2.063	2.063	0	%100
45	M46	X	1.191	1.191	0	%100
46	M46	Z	2.063	2.063	0	%100
47	M47	X	1.191	1.191	0	%100
48	M47	Z	2.063	2.063	0	%100
49	MP1A	X	4.526	4.526	0	%100
50	MP1A	Z	7.839	7.839	0	%100
51	MP2A	X	4.526	4.526	0	%100
52	MP2A	Z	7.839	7.839	0	%100
53	MP3A	X	4.526	4.526	0	%100
54	MP3A	Z	7.839	7.839	0	%100
55	MP4A	X	4.526	4.526	0	%100
56	MP4A	Z	7.839	7.839	0	%100
57	M49	X	4.125	4.125	0	%100
58	M49	Z	7.144	7.144	0	%100
59	M50	X	4.125	4.125	0	%100
60	M50	Z	7.144	7.144	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	10.958	10.958	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	10.958	10.958	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	4.326	4.326	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	4.326	4.326	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	4.326	4.326	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	4.326	4.326	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	2.382	2.382	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	2.382	2.382	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	2.382	2.382	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	2.382	2.382	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	2.467	2.467	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	2.467	2.467	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	2.467	2.467	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	2.467	2.467	0	%100



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Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
37	M31	X	0	0	0	%100
38	M31	Z	4.151	4.151	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	4.151	4.151	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	2.382	2.382	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	2.382	2.382	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	2.382	2.382	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	2.382	2.382	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	9.052	9.052	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	9.052	9.052	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	9.052	9.052	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	9.052	9.052	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	8.249	8.249	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	8.249	8.249	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-4.109	-4.109	0	%100
2	M1	Z	7.117	7.117	0	%100
3	M2	X	-4.109	-4.109	0	%100
4	M2	Z	7.117	7.117	0	%100
5	M13	X	-.298	-.298	0	%100
6	M13	Z	.516	.516	0	%100
7	M14	X	-.298	-.298	0	%100
8	M14	Z	.516	.516	0	%100
9	M15	X	-.298	-.298	0	%100
10	M15	Z	.516	.516	0	%100
11	M16	X	-.298	-.298	0	%100
12	M16	Z	.516	.516	0	%100
13	M17	X	-.487	-.487	0	%100
14	M17	Z	.844	.844	0	%100
15	M18	X	-.487	-.487	0	%100
16	M18	Z	.844	.844	0	%100
17	M19	X	-3.421	-3.421	0	%100
18	M19	Z	5.925	5.925	0	%100
19	M20	X	-3.421	-3.421	0	%100
20	M20	Z	5.925	5.925	0	%100
21	M21	X	-.893	-.893	0	%100
22	M21	Z	1.547	1.547	0	%100
23	M22	X	-.893	-.893	0	%100
24	M22	Z	1.547	1.547	0	%100
25	M23	X	-.893	-.893	0	%100
26	M23	Z	1.547	1.547	0	%100
27	M24	X	-.893	-.893	0	%100
28	M24	Z	1.547	1.547	0	%100
29	M25	X	-.986	-.986	0	%100



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Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
30	M25	Z	1.709	1.709	0	%100
31	M26	X	-.986	-.986	0	%100
32	M26	Z	1.709	1.709	0	%100
33	M27	X	-1.419	-1.419	0	%100
34	M27	Z	2.458	2.458	0	%100
35	M28	X	-1.419	-1.419	0	%100
36	M28	Z	2.458	2.458	0	%100
37	M31	X	-4.122	-4.122	0	%100
38	M31	Z	7.14	7.14	0	%100
39	M32	X	-4.122	-4.122	0	%100
40	M32	Z	7.14	7.14	0	%100
41	M44	X	-1.191	-1.191	0	%100
42	M44	Z	2.063	2.063	0	%100
43	M45	X	-1.191	-1.191	0	%100
44	M45	Z	2.063	2.063	0	%100
45	M46	X	-1.191	-1.191	0	%100
46	M46	Z	2.063	2.063	0	%100
47	M47	X	-1.191	-1.191	0	%100
48	M47	Z	2.063	2.063	0	%100
49	MP1A	X	-4.526	-4.526	0	%100
50	MP1A	Z	7.839	7.839	0	%100
51	MP2A	X	-4.526	-4.526	0	%100
52	MP2A	Z	7.839	7.839	0	%100
53	MP3A	X	-4.526	-4.526	0	%100
54	MP3A	Z	7.839	7.839	0	%100
55	MP4A	X	-4.526	-4.526	0	%100
56	MP4A	Z	7.839	7.839	0	%100
57	M49	X	-4.125	-4.125	0	%100
58	M49	Z	7.144	7.144	0	%100
59	M50	X	-4.125	-4.125	0	%100
60	M50	Z	7.144	7.144	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-2.372	-2.372	0	%100
2	M1	Z	1.37	1.37	0	%100
3	M2	X	-2.372	-2.372	0	%100
4	M2	Z	1.37	1.37	0	%100
5	M13	X	-1.547	-1.547	0	%100
6	M13	Z	.893	.893	0	%100
7	M14	X	-1.547	-1.547	0	%100
8	M14	Z	.893	.893	0	%100
9	M15	X	-1.547	-1.547	0	%100
10	M15	Z	.893	.893	0	%100
11	M16	X	-1.547	-1.547	0	%100
12	M16	Z	.893	.893	0	%100
13	M17	X	-.119	-.119	0	%100
14	M17	Z	.069	.069	0	%100
15	M18	X	-.119	-.119	0	%100
16	M18	Z	.069	.069	0	%100
17	M19	X	-5.201	-5.201	0	%100
18	M19	Z	3.003	3.003	0	%100
19	M20	X	-5.201	-5.201	0	%100
20	M20	Z	3.003	3.003	0	%100
21	M21	X	-.516	-.516	0	%100
22	M21	Z	.298	.298	0	%100



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Member Distributed Loads (BLC 49 : Structure Wo (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
23	M22	X	-516	-516	0	%100
24	M22	Z	.298	.298	0	%100
25	M23	X	-516	-516	0	%100
26	M23	Z	.298	.298	0	%100
27	M24	X	-516	-516	0	%100
28	M24	Z	.298	.298	0	%100
29	M25	X	-1.602	-1.602	0	%100
30	M25	Z	.925	.925	0	%100
31	M26	X	-1.602	-1.602	0	%100
32	M26	Z	.925	.925	0	%100
33	M27	X	-2.351	-2.351	0	%100
34	M27	Z	1.357	1.357	0	%100
35	M28	X	-2.351	-2.351	0	%100
36	M28	Z	1.357	1.357	0	%100
37	M31	X	-7.465	-7.465	0	%100
38	M31	Z	4.31	4.31	0	%100
39	M32	X	-7.465	-7.465	0	%100
40	M32	Z	4.31	4.31	0	%100
41	M44	X	-2.063	-2.063	0	%100
42	M44	Z	1.191	1.191	0	%100
43	M45	X	-2.063	-2.063	0	%100
44	M45	Z	1.191	1.191	0	%100
45	M46	X	-2.063	-2.063	0	%100
46	M46	Z	1.191	1.191	0	%100
47	M47	X	-2.063	-2.063	0	%100
48	M47	Z	1.191	1.191	0	%100
49	MP1A	X	-7.839	-7.839	0	%100
50	MP1A	Z	4.526	4.526	0	%100
51	MP2A	X	-7.839	-7.839	0	%100
52	MP2A	Z	4.526	4.526	0	%100
53	MP3A	X	-7.839	-7.839	0	%100
54	MP3A	Z	4.526	4.526	0	%100
55	MP4A	X	-7.839	-7.839	0	%100
56	MP4A	Z	4.526	4.526	0	%100
57	M49	X	-7.144	-7.144	0	%100
58	M49	Z	4.125	4.125	0	%100
59	M50	X	-7.144	-7.144	0	%100
60	M50	Z	4.125	4.125	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-2.382	-2.382	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-2.382	-2.382	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-2.382	-2.382	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-2.382	-2.382	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-2.653	-2.653	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-2.653	-2.653	0	%100



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Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
16	M18	Z	0	0	0	%100
17	M19	X	-2.653	-2.653	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-2.653	-2.653	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-2.22	-2.22	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-2.22	-2.22	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-2.22	-2.22	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-2.22	-2.22	0	%100
36	M28	Z	0	0	0	%100
37	M31	X	-4.901	-4.901	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-4.901	-4.901	0	%100
40	M32	Z	0	0	0	%100
41	M44	X	-2.382	-2.382	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	-2.382	-2.382	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	-2.382	-2.382	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-2.382	-2.382	0	%100
48	M47	Z	0	0	0	%100
49	MP1A	X	-9.052	-9.052	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	-9.052	-9.052	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-9.052	-9.052	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-9.052	-9.052	0	%100
56	MP4A	Z	0	0	0	%100
57	M49	X	-8.249	-8.249	0	%100
58	M49	Z	0	0	0	%100
59	M50	X	-8.249	-8.249	0	%100
60	M50	Z	0	0	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-2.372	-2.372	0	%100
2	M1	Z	-1.37	-1.37	0	%100
3	M2	X	-2.372	-2.372	0	%100
4	M2	Z	-1.37	-1.37	0	%100
5	M13	X	-1.547	-1.547	0	%100
6	M13	Z	-.893	-.893	0	%100
7	M14	X	-1.547	-1.547	0	%100
8	M14	Z	-.893	-.893	0	%100



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Member Distributed Loads (BLC 51 : Structure Wo (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
9	M15	X	-1.547	-1.547	0	%100
10	M15	Z	-.893	-.893	0	%100
11	M16	X	-1.547	-1.547	0	%100
12	M16	Z	-.893	-.893	0	%100
13	M17	X	-5.201	-5.201	0	%100
14	M17	Z	-3.003	-3.003	0	%100
15	M18	X	-5.201	-5.201	0	%100
16	M18	Z	-3.003	-3.003	0	%100
17	M19	X	-.119	-.119	0	%100
18	M19	Z	-.069	-.069	0	%100
19	M20	X	-.119	-.119	0	%100
20	M20	Z	-.069	-.069	0	%100
21	M21	X	-.516	-.516	0	%100
22	M21	Z	-.298	-.298	0	%100
23	M22	X	-.516	-.516	0	%100
24	M22	Z	-.298	-.298	0	%100
25	M23	X	-.516	-.516	0	%100
26	M23	Z	-.298	-.298	0	%100
27	M24	X	-.516	-.516	0	%100
28	M24	Z	-.298	-.298	0	%100
29	M25	X	-2.351	-2.351	0	%100
30	M25	Z	-1.357	-1.357	0	%100
31	M26	X	-2.351	-2.351	0	%100
32	M26	Z	-1.357	-1.357	0	%100
33	M27	X	-1.602	-1.602	0	%100
34	M27	Z	-.925	-.925	0	%100
35	M28	X	-1.602	-1.602	0	%100
36	M28	Z	-.925	-.925	0	%100
37	M31	X	-.699	-.699	0	%100
38	M31	Z	-.404	-.404	0	%100
39	M32	X	-.699	-.699	0	%100
40	M32	Z	-.404	-.404	0	%100
41	M44	X	-2.063	-2.063	0	%100
42	M44	Z	-1.191	-1.191	0	%100
43	M45	X	-2.063	-2.063	0	%100
44	M45	Z	-1.191	-1.191	0	%100
45	M46	X	-2.063	-2.063	0	%100
46	M46	Z	-1.191	-1.191	0	%100
47	M47	X	-2.063	-2.063	0	%100
48	M47	Z	-1.191	-1.191	0	%100
49	MP1A	X	-7.839	-7.839	0	%100
50	MP1A	Z	-4.526	-4.526	0	%100
51	MP2A	X	-7.839	-7.839	0	%100
52	MP2A	Z	-4.526	-4.526	0	%100
53	MP3A	X	-7.839	-7.839	0	%100
54	MP3A	Z	-4.526	-4.526	0	%100
55	MP4A	X	-7.839	-7.839	0	%100
56	MP4A	Z	-4.526	-4.526	0	%100
57	M49	X	-7.144	-7.144	0	%100
58	M49	Z	-4.125	-4.125	0	%100
59	M50	X	-7.144	-7.144	0	%100
60	M50	Z	-4.125	-4.125	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-4.109	-4.109	0	%100



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Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
2	M1	Z	-7.117	-7.117	0 %100
3	M2	X	-4.109	-4.109	0 %100
4	M2	Z	-7.117	-7.117	0 %100
5	M13	X	-.298	-.298	0 %100
6	M13	Z	-.516	-.516	0 %100
7	M14	X	-.298	-.298	0 %100
8	M14	Z	-.516	-.516	0 %100
9	M15	X	-.298	-.298	0 %100
10	M15	Z	-.516	-.516	0 %100
11	M16	X	-.298	-.298	0 %100
12	M16	Z	-.516	-.516	0 %100
13	M17	X	-3.421	-3.421	0 %100
14	M17	Z	-5.925	-5.925	0 %100
15	M18	X	-3.421	-3.421	0 %100
16	M18	Z	-5.925	-5.925	0 %100
17	M19	X	-.487	-.487	0 %100
18	M19	Z	-.844	-.844	0 %100
19	M20	X	-.487	-.487	0 %100
20	M20	Z	-.844	-.844	0 %100
21	M21	X	-.893	-.893	0 %100
22	M21	Z	-1.547	-1.547	0 %100
23	M22	X	-.893	-.893	0 %100
24	M22	Z	-1.547	-1.547	0 %100
25	M23	X	-.893	-.893	0 %100
26	M23	Z	-1.547	-1.547	0 %100
27	M24	X	-.893	-.893	0 %100
28	M24	Z	-1.547	-1.547	0 %100
29	M25	X	-1.419	-1.419	0 %100
30	M25	Z	-2.458	-2.458	0 %100
31	M26	X	-1.419	-1.419	0 %100
32	M26	Z	-2.458	-2.458	0 %100
33	M27	X	-.986	-.986	0 %100
34	M27	Z	-1.709	-1.709	0 %100
35	M28	X	-.986	-.986	0 %100
36	M28	Z	-1.709	-1.709	0 %100
37	M31	X	-.216	-.216	0 %100
38	M31	Z	-.374	-.374	0 %100
39	M32	X	-.216	-.216	0 %100
40	M32	Z	-.374	-.374	0 %100
41	M44	X	-1.191	-1.191	0 %100
42	M44	Z	-2.063	-2.063	0 %100
43	M45	X	-1.191	-1.191	0 %100
44	M45	Z	-2.063	-2.063	0 %100
45	M46	X	-1.191	-1.191	0 %100
46	M46	Z	-2.063	-2.063	0 %100
47	M47	X	-1.191	-1.191	0 %100
48	M47	Z	-2.063	-2.063	0 %100
49	MP1A	X	-4.526	-4.526	0 %100
50	MP1A	Z	-7.839	-7.839	0 %100
51	MP2A	X	-4.526	-4.526	0 %100
52	MP2A	Z	-7.839	-7.839	0 %100
53	MP3A	X	-4.526	-4.526	0 %100
54	MP3A	Z	-7.839	-7.839	0 %100
55	MP4A	X	-4.526	-4.526	0 %100
56	MP4A	Z	-7.839	-7.839	0 %100
57	M49	X	-4.125	-4.125	0 %100
58	M49	Z	-7.144	-7.144	0 %100



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Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
59	M50	X	-4.125	-4.125	0	%100
60	M50	Z	-7.144	-7.144	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	0	0	0	%100
2	M1	Z	-3.364	-3.364	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-3.364	-3.364	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-1.466	-1.466	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-1.466	-1.466	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-1.466	-1.466	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-1.466	-1.466	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-1.277	-1.277	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-1.277	-1.277	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-1.277	-1.277	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-1.277	-1.277	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-1.635	-1.635	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-1.635	-1.635	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-1.635	-1.635	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-1.635	-1.635	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-1.391	-1.391	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-1.391	-1.391	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	-1.689	-1.689	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	-1.689	-1.689	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-1.689	-1.689	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	-1.689	-1.689	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-3.033	-3.033	0	%100
51	MP2A	X	0	0	0	%100



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Member Distributed Loads (BLC 53 : Structure Wi (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
52	MP2A	Z	-3.033	-3.033	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-3.033	-3.033	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-3.033	-3.033	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-2.805	-2.805	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	-2.805	-2.805	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.261	1.261	0	%100
2	M1	Z	-2.185	-2.185	0	%100
3	M2	X	1.261	1.261	0	%100
4	M2	Z	-2.185	-2.185	0	%100
5	M13	X	.158	.158	0	%100
6	M13	Z	-.274	-.274	0	%100
7	M14	X	.158	.158	0	%100
8	M14	Z	-.274	-.274	0	%100
9	M15	X	.158	.158	0	%100
10	M15	Z	-.274	-.274	0	%100
11	M16	X	.158	.158	0	%100
12	M16	Z	-.274	-.274	0	%100
13	M17	X	.165	.165	0	%100
14	M17	Z	-.286	-.286	0	%100
15	M18	X	.165	.165	0	%100
16	M18	Z	-.286	-.286	0	%100
17	M19	X	1.159	1.159	0	%100
18	M19	Z	-2.007	-2.007	0	%100
19	M20	X	1.159	1.159	0	%100
20	M20	Z	-2.007	-2.007	0	%100
21	M21	X	.479	.479	0	%100
22	M21	Z	-.829	-.829	0	%100
23	M22	X	.479	.479	0	%100
24	M22	Z	-.829	-.829	0	%100
25	M23	X	.479	.479	0	%100
26	M23	Z	-.829	-.829	0	%100
27	M24	X	.479	.479	0	%100
28	M24	Z	-.829	-.829	0	%100
29	M25	X	.654	.654	0	%100
30	M25	Z	-1.132	-1.132	0	%100
31	M26	X	.654	.654	0	%100
32	M26	Z	-1.132	-1.132	0	%100
33	M27	X	.94	.94	0	%100
34	M27	Z	-1.628	-1.628	0	%100
35	M28	X	.94	.94	0	%100
36	M28	Z	-1.628	-1.628	0	%100
37	M31	X	1.381	1.381	0	%100
38	M31	Z	-2.392	-2.392	0	%100
39	M32	X	1.381	1.381	0	%100
40	M32	Z	-2.392	-2.392	0	%100
41	M44	X	.844	.844	0	%100
42	M44	Z	-1.462	-1.462	0	%100
43	M45	X	.844	.844	0	%100
44	M45	Z	-1.462	-1.462	0	%100



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Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
45	M46	X	.844	.844	0	%100
46	M46	Z	-1.462	-1.462	0	%100
47	M47	X	.844	.844	0	%100
48	M47	Z	-1.462	-1.462	0	%100
49	MP1A	X	1.516	1.516	0	%100
50	MP1A	Z	-2.627	-2.627	0	%100
51	MP2A	X	1.516	1.516	0	%100
52	MP2A	Z	-2.627	-2.627	0	%100
53	MP3A	X	1.516	1.516	0	%100
54	MP3A	Z	-2.627	-2.627	0	%100
55	MP4A	X	1.516	1.516	0	%100
56	MP4A	Z	-2.627	-2.627	0	%100
57	M49	X	1.403	1.403	0	%100
58	M49	Z	-2.429	-2.429	0	%100
59	M50	X	1.403	1.403	0	%100
60	M50	Z	-2.429	-2.429	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	.728	.728	0	%100
2	M1	Z	-.42	-.42	0	%100
3	M2	X	.728	.728	0	%100
4	M2	Z	-.42	-.42	0	%100
5	M13	X	.822	.822	0	%100
6	M13	Z	-.475	-.475	0	%100
7	M14	X	.822	.822	0	%100
8	M14	Z	-.475	-.475	0	%100
9	M15	X	.822	.822	0	%100
10	M15	Z	-.475	-.475	0	%100
11	M16	X	.822	.822	0	%100
12	M16	Z	-.475	-.475	0	%100
13	M17	X	.04	.04	0	%100
14	M17	Z	-.023	-.023	0	%100
15	M18	X	.04	.04	0	%100
16	M18	Z	-.023	-.023	0	%100
17	M19	X	1.762	1.762	0	%100
18	M19	Z	-1.017	-1.017	0	%100
19	M20	X	1.762	1.762	0	%100
20	M20	Z	-1.017	-1.017	0	%100
21	M21	X	.276	.276	0	%100
22	M21	Z	-.16	-.16	0	%100
23	M22	X	.276	.276	0	%100
24	M22	Z	-.16	-.16	0	%100
25	M23	X	.276	.276	0	%100
26	M23	Z	-.16	-.16	0	%100
27	M24	X	.276	.276	0	%100
28	M24	Z	-.16	-.16	0	%100
29	M25	X	1.061	1.061	0	%100
30	M25	Z	-.613	-.613	0	%100
31	M26	X	1.061	1.061	0	%100
32	M26	Z	-.613	-.613	0	%100
33	M27	X	1.558	1.558	0	%100
34	M27	Z	-.899	-.899	0	%100
35	M28	X	1.558	1.558	0	%100
36	M28	Z	-.899	-.899	0	%100
37	M31	X	2.501	2.501	0	%100



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Member Distributed Loads (BLC 55 : Structure Wi (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
38	M31	Z	-1.444	-1.444	0	%100
39	M32	X	2.501	2.501	0	%100
40	M32	Z	-1.444	-1.444	0	%100
41	M44	X	1.462	1.462	0	%100
42	M44	Z	-.844	-.844	0	%100
43	M45	X	1.462	1.462	0	%100
44	M45	Z	-.844	-.844	0	%100
45	M46	X	1.462	1.462	0	%100
46	M46	Z	-.844	-.844	0	%100
47	M47	X	1.462	1.462	0	%100
48	M47	Z	-.844	-.844	0	%100
49	MP1A	X	2.627	2.627	0	%100
50	MP1A	Z	-1.516	-1.516	0	%100
51	MP2A	X	2.627	2.627	0	%100
52	MP2A	Z	-1.516	-1.516	0	%100
53	MP3A	X	2.627	2.627	0	%100
54	MP3A	Z	-1.516	-1.516	0	%100
55	MP4A	X	2.627	2.627	0	%100
56	MP4A	Z	-1.516	-1.516	0	%100
57	M49	X	2.429	2.429	0	%100
58	M49	Z	-1.403	-1.403	0	%100
59	M50	X	2.429	2.429	0	%100
60	M50	Z	-1.403	-1.403	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	1.266	1.266	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	1.266	1.266	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	1.266	1.266	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	1.266	1.266	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	.899	.899	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	.899	.899	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.899	.899	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.899	.899	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	1.471	1.471	0	%100
30	M25	Z	0	0	0	%100



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Member Distributed Loads (BLC 56 : Structure Wi (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
31	M26	X	1.471	1.471	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	1.471	1.471	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	1.471	1.471	0	%100
36	M28	Z	0	0	0	%100
37	M31	X	1.642	1.642	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	1.642	1.642	0	%100
40	M32	Z	0	0	0	%100
41	M44	X	1.689	1.689	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	1.689	1.689	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	1.689	1.689	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	1.689	1.689	0	%100
48	M47	Z	0	0	0	%100
49	MP1A	X	3.033	3.033	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	3.033	3.033	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	3.033	3.033	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	3.033	3.033	0	%100
56	MP4A	Z	0	0	0	%100
57	M49	X	2.805	2.805	0	%100
58	M49	Z	0	0	0	%100
59	M50	X	2.805	2.805	0	%100
60	M50	Z	0	0	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	.728	.728	0	%100
2	M1	Z	.42	.42	0	%100
3	M2	X	.728	.728	0	%100
4	M2	Z	.42	.42	0	%100
5	M13	X	.822	.822	0	%100
6	M13	Z	.475	.475	0	%100
7	M14	X	.822	.822	0	%100
8	M14	Z	.475	.475	0	%100
9	M15	X	.822	.822	0	%100
10	M15	Z	.475	.475	0	%100
11	M16	X	.822	.822	0	%100
12	M16	Z	.475	.475	0	%100
13	M17	X	1.762	1.762	0	%100
14	M17	Z	1.017	1.017	0	%100
15	M18	X	1.762	1.762	0	%100
16	M18	Z	1.017	1.017	0	%100
17	M19	X	.04	.04	0	%100
18	M19	Z	.023	.023	0	%100
19	M20	X	.04	.04	0	%100
20	M20	Z	.023	.023	0	%100
21	M21	X	.276	.276	0	%100
22	M21	Z	.16	.16	0	%100
23	M22	X	.276	.276	0	%100



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Member Distributed Loads (BLC 57 : Structure Wi (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
24	M22	Z	.16	.16	0	%100
25	M23	X	.276	.276	0	%100
26	M23	Z	.16	.16	0	%100
27	M24	X	.276	.276	0	%100
28	M24	Z	.16	.16	0	%100
29	M25	X	1.558	1.558	0	%100
30	M25	Z	.899	.899	0	%100
31	M26	X	1.558	1.558	0	%100
32	M26	Z	.899	.899	0	%100
33	M27	X	1.061	1.061	0	%100
34	M27	Z	.613	.613	0	%100
35	M28	X	1.061	1.061	0	%100
36	M28	Z	.613	.613	0	%100
37	M31	X	.234	.234	0	%100
38	M31	Z	.135	.135	0	%100
39	M32	X	.234	.234	0	%100
40	M32	Z	.135	.135	0	%100
41	M44	X	1.462	1.462	0	%100
42	M44	Z	.844	.844	0	%100
43	M45	X	1.462	1.462	0	%100
44	M45	Z	.844	.844	0	%100
45	M46	X	1.462	1.462	0	%100
46	M46	Z	.844	.844	0	%100
47	M47	X	1.462	1.462	0	%100
48	M47	Z	.844	.844	0	%100
49	MP1A	X	2.627	2.627	0	%100
50	MP1A	Z	1.516	1.516	0	%100
51	MP2A	X	2.627	2.627	0	%100
52	MP2A	Z	1.516	1.516	0	%100
53	MP3A	X	2.627	2.627	0	%100
54	MP3A	Z	1.516	1.516	0	%100
55	MP4A	X	2.627	2.627	0	%100
56	MP4A	Z	1.516	1.516	0	%100
57	M49	X	2.429	2.429	0	%100
58	M49	Z	1.403	1.403	0	%100
59	M50	X	2.429	2.429	0	%100
60	M50	Z	1.403	1.403	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	1.261	1.261	0	%100
2	M1	Z	2.185	2.185	0	%100
3	M2	X	1.261	1.261	0	%100
4	M2	Z	2.185	2.185	0	%100
5	M13	X	.158	.158	0	%100
6	M13	Z	.274	.274	0	%100
7	M14	X	.158	.158	0	%100
8	M14	Z	.274	.274	0	%100
9	M15	X	.158	.158	0	%100
10	M15	Z	.274	.274	0	%100
11	M16	X	.158	.158	0	%100
12	M16	Z	.274	.274	0	%100
13	M17	X	1.159	1.159	0	%100
14	M17	Z	2.007	2.007	0	%100
15	M18	X	1.159	1.159	0	%100
16	M18	Z	2.007	2.007	0	%100



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Member Distributed Loads (BLC 58 : Structure Wi (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
17	M19	X	.165	.165	0	%100
18	M19	Z	.286	.286	0	%100
19	M20	X	.165	.165	0	%100
20	M20	Z	.286	.286	0	%100
21	M21	X	.479	.479	0	%100
22	M21	Z	.829	.829	0	%100
23	M22	X	.479	.479	0	%100
24	M22	Z	.829	.829	0	%100
25	M23	X	.479	.479	0	%100
26	M23	Z	.829	.829	0	%100
27	M24	X	.479	.479	0	%100
28	M24	Z	.829	.829	0	%100
29	M25	X	.94	.94	0	%100
30	M25	Z	1.628	1.628	0	%100
31	M26	X	.94	.94	0	%100
32	M26	Z	1.628	1.628	0	%100
33	M27	X	.654	.654	0	%100
34	M27	Z	1.132	1.132	0	%100
35	M28	X	.654	.654	0	%100
36	M28	Z	1.132	1.132	0	%100
37	M31	X	.072	.072	0	%100
38	M31	Z	.125	.125	0	%100
39	M32	X	.072	.072	0	%100
40	M32	Z	.125	.125	0	%100
41	M44	X	.844	.844	0	%100
42	M44	Z	1.462	1.462	0	%100
43	M45	X	.844	.844	0	%100
44	M45	Z	1.462	1.462	0	%100
45	M46	X	.844	.844	0	%100
46	M46	Z	1.462	1.462	0	%100
47	M47	X	.844	.844	0	%100
48	M47	Z	1.462	1.462	0	%100
49	MP1A	X	1.516	1.516	0	%100
50	MP1A	Z	2.627	2.627	0	%100
51	MP2A	X	1.516	1.516	0	%100
52	MP2A	Z	2.627	2.627	0	%100
53	MP3A	X	1.516	1.516	0	%100
54	MP3A	Z	2.627	2.627	0	%100
55	MP4A	X	1.516	1.516	0	%100
56	MP4A	Z	2.627	2.627	0	%100
57	M49	X	1.403	1.403	0	%100
58	M49	Z	2.429	2.429	0	%100
59	M50	X	1.403	1.403	0	%100
60	M50	Z	2.429	2.429	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	0	0	0	%100
2	M1	Z	3.364	3.364	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	3.364	3.364	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	1.466	1.466	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	1.466	1.466	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	1.466	1.466	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	1.466	1.466	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	1.277	1.277	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	1.277	1.277	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	1.277	1.277	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	1.277	1.277	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	1.635	1.635	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	1.635	1.635	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	1.635	1.635	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	1.635	1.635	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	1.391	1.391	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	1.391	1.391	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	1.689	1.689	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	1.689	1.689	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	1.689	1.689	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	1.689	1.689	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	3.033	3.033	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	3.033	3.033	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	3.033	3.033	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	3.033	3.033	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	2.805	2.805	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	2.805	2.805	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.261	-1.261	0	%100
2	M1	Z	2.185	2.185	0	%100



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Member Distributed Loads (BLC 60 : Structure Wi (210 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
3	M2	X	-1.261	-1.261	0 %100
4	M2	Z	2.185	2.185	0 %100
5	M13	X	-.158	-.158	0 %100
6	M13	Z	.274	.274	0 %100
7	M14	X	-.158	-.158	0 %100
8	M14	Z	.274	.274	0 %100
9	M15	X	-.158	-.158	0 %100
10	M15	Z	.274	.274	0 %100
11	M16	X	-.158	-.158	0 %100
12	M16	Z	.274	.274	0 %100
13	M17	X	-.165	-.165	0 %100
14	M17	Z	.286	.286	0 %100
15	M18	X	-.165	-.165	0 %100
16	M18	Z	.286	.286	0 %100
17	M19	X	-1.159	-1.159	0 %100
18	M19	Z	2.007	2.007	0 %100
19	M20	X	-1.159	-1.159	0 %100
20	M20	Z	2.007	2.007	0 %100
21	M21	X	-.479	-.479	0 %100
22	M21	Z	.829	.829	0 %100
23	M22	X	-.479	-.479	0 %100
24	M22	Z	.829	.829	0 %100
25	M23	X	-.479	-.479	0 %100
26	M23	Z	.829	.829	0 %100
27	M24	X	-.479	-.479	0 %100
28	M24	Z	.829	.829	0 %100
29	M25	X	-.654	-.654	0 %100
30	M25	Z	1.132	1.132	0 %100
31	M26	X	-.654	-.654	0 %100
32	M26	Z	1.132	1.132	0 %100
33	M27	X	-.94	-.94	0 %100
34	M27	Z	1.628	1.628	0 %100
35	M28	X	-.94	-.94	0 %100
36	M28	Z	1.628	1.628	0 %100
37	M31	X	-1.381	-1.381	0 %100
38	M31	Z	2.392	2.392	0 %100
39	M32	X	-1.381	-1.381	0 %100
40	M32	Z	2.392	2.392	0 %100
41	M44	X	-.844	-.844	0 %100
42	M44	Z	1.462	1.462	0 %100
43	M45	X	-.844	-.844	0 %100
44	M45	Z	1.462	1.462	0 %100
45	M46	X	-.844	-.844	0 %100
46	M46	Z	1.462	1.462	0 %100
47	M47	X	-.844	-.844	0 %100
48	M47	Z	1.462	1.462	0 %100
49	MP1A	X	-1.516	-1.516	0 %100
50	MP1A	Z	2.627	2.627	0 %100
51	MP2A	X	-1.516	-1.516	0 %100
52	MP2A	Z	2.627	2.627	0 %100
53	MP3A	X	-1.516	-1.516	0 %100
54	MP3A	Z	2.627	2.627	0 %100
55	MP4A	X	-1.516	-1.516	0 %100
56	MP4A	Z	2.627	2.627	0 %100
57	M49	X	-1.403	-1.403	0 %100
58	M49	Z	2.429	2.429	0 %100
59	M50	X	-1.403	-1.403	0 %100



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Member Distributed Loads (BLC 60 : Structure Wi (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
60	M50	Z	2.429	2.429	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.728	-.728	0	%100
2	M1	Z	.42	.42	0	%100
3	M2	X	-.728	-.728	0	%100
4	M2	Z	.42	.42	0	%100
5	M13	X	-.822	-.822	0	%100
6	M13	Z	.475	.475	0	%100
7	M14	X	-.822	-.822	0	%100
8	M14	Z	.475	.475	0	%100
9	M15	X	-.822	-.822	0	%100
10	M15	Z	.475	.475	0	%100
11	M16	X	-.822	-.822	0	%100
12	M16	Z	.475	.475	0	%100
13	M17	X	-.04	-.04	0	%100
14	M17	Z	.023	.023	0	%100
15	M18	X	-.04	-.04	0	%100
16	M18	Z	.023	.023	0	%100
17	M19	X	-1.762	-1.762	0	%100
18	M19	Z	1.017	1.017	0	%100
19	M20	X	-1.762	-1.762	0	%100
20	M20	Z	1.017	1.017	0	%100
21	M21	X	-.276	-.276	0	%100
22	M21	Z	.16	.16	0	%100
23	M22	X	-.276	-.276	0	%100
24	M22	Z	.16	.16	0	%100
25	M23	X	-.276	-.276	0	%100
26	M23	Z	.16	.16	0	%100
27	M24	X	-.276	-.276	0	%100
28	M24	Z	.16	.16	0	%100
29	M25	X	-1.061	-1.061	0	%100
30	M25	Z	.613	.613	0	%100
31	M26	X	-1.061	-1.061	0	%100
32	M26	Z	.613	.613	0	%100
33	M27	X	-1.558	-1.558	0	%100
34	M27	Z	.899	.899	0	%100
35	M28	X	-1.558	-1.558	0	%100
36	M28	Z	.899	.899	0	%100
37	M31	X	-2.501	-2.501	0	%100
38	M31	Z	1.444	1.444	0	%100
39	M32	X	-2.501	-2.501	0	%100
40	M32	Z	1.444	1.444	0	%100
41	M44	X	-1.462	-1.462	0	%100
42	M44	Z	.844	.844	0	%100
43	M45	X	-1.462	-1.462	0	%100
44	M45	Z	.844	.844	0	%100
45	M46	X	-1.462	-1.462	0	%100
46	M46	Z	.844	.844	0	%100
47	M47	X	-1.462	-1.462	0	%100
48	M47	Z	.844	.844	0	%100
49	MP1A	X	-2.627	-2.627	0	%100
50	MP1A	Z	1.516	1.516	0	%100
51	MP2A	X	-2.627	-2.627	0	%100
52	MP2A	Z	1.516	1.516	0	%100



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Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
53	MP3A	X	-2.627	-2.627	0	%100
54	MP3A	Z	1.516	1.516	0	%100
55	MP4A	X	-2.627	-2.627	0	%100
56	MP4A	Z	1.516	1.516	0	%100
57	M49	X	-2.429	-2.429	0	%100
58	M49	Z	1.403	1.403	0	%100
59	M50	X	-2.429	-2.429	0	%100
60	M50	Z	1.403	1.403	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-1.266	-1.266	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-1.266	-1.266	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-1.266	-1.266	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-1.266	-1.266	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-0.899	-0.899	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-0.899	-0.899	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-0.899	-0.899	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-0.899	-0.899	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-1.471	-1.471	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-1.471	-1.471	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-1.471	-1.471	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-1.471	-1.471	0	%100
36	M28	Z	0	0	0	%100
37	M31	X	-1.642	-1.642	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-1.642	-1.642	0	%100
40	M32	Z	0	0	0	%100
41	M44	X	-1.689	-1.689	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	-1.689	-1.689	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	-1.689	-1.689	0	%100



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Member Distributed Loads (BLC 62 : Structure Wi (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
46	M46	Z	0	0	0	%100
47	M47	X	-1.689	-1.689	0	%100
48	M47	Z	0	0	0	%100
49	MP1A	X	-3.033	-3.033	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	-3.033	-3.033	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-3.033	-3.033	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-3.033	-3.033	0	%100
56	MP4A	Z	0	0	0	%100
57	M49	X	-2.805	-2.805	0	%100
58	M49	Z	0	0	0	%100
59	M50	X	-2.805	-2.805	0	%100
60	M50	Z	0	0	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.728	-.728	0	%100
2	M1	Z	-.42	-.42	0	%100
3	M2	X	-.728	-.728	0	%100
4	M2	Z	-.42	-.42	0	%100
5	M13	X	-.822	-.822	0	%100
6	M13	Z	-.475	-.475	0	%100
7	M14	X	-.822	-.822	0	%100
8	M14	Z	-.475	-.475	0	%100
9	M15	X	-.822	-.822	0	%100
10	M15	Z	-.475	-.475	0	%100
11	M16	X	-.822	-.822	0	%100
12	M16	Z	-.475	-.475	0	%100
13	M17	X	-1.762	-1.762	0	%100
14	M17	Z	-1.017	-1.017	0	%100
15	M18	X	-1.762	-1.762	0	%100
16	M18	Z	-1.017	-1.017	0	%100
17	M19	X	-.04	-.04	0	%100
18	M19	Z	-.023	-.023	0	%100
19	M20	X	-.04	-.04	0	%100
20	M20	Z	-.023	-.023	0	%100
21	M21	X	-.276	-.276	0	%100
22	M21	Z	-.16	-.16	0	%100
23	M22	X	-.276	-.276	0	%100
24	M22	Z	-.16	-.16	0	%100
25	M23	X	-.276	-.276	0	%100
26	M23	Z	-.16	-.16	0	%100
27	M24	X	-.276	-.276	0	%100
28	M24	Z	-.16	-.16	0	%100
29	M25	X	-1.558	-1.558	0	%100
30	M25	Z	-.899	-.899	0	%100
31	M26	X	-1.558	-1.558	0	%100
32	M26	Z	-.899	-.899	0	%100
33	M27	X	-1.061	-1.061	0	%100
34	M27	Z	-.613	-.613	0	%100
35	M28	X	-1.061	-1.061	0	%100
36	M28	Z	-.613	-.613	0	%100
37	M31	X	-.234	-.234	0	%100
38	M31	Z	-.135	-.135	0	%100



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Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
39	M32	X	- .234	- .234	0	%100
40	M32	Z	- .135	- .135	0	%100
41	M44	X	-1.462	-1.462	0	%100
42	M44	Z	- .844	- .844	0	%100
43	M45	X	-1.462	-1.462	0	%100
44	M45	Z	- .844	- .844	0	%100
45	M46	X	-1.462	-1.462	0	%100
46	M46	Z	- .844	- .844	0	%100
47	M47	X	-1.462	-1.462	0	%100
48	M47	Z	- .844	- .844	0	%100
49	MP1A	X	-2.627	-2.627	0	%100
50	MP1A	Z	-1.516	-1.516	0	%100
51	MP2A	X	-2.627	-2.627	0	%100
52	MP2A	Z	-1.516	-1.516	0	%100
53	MP3A	X	-2.627	-2.627	0	%100
54	MP3A	Z	-1.516	-1.516	0	%100
55	MP4A	X	-2.627	-2.627	0	%100
56	MP4A	Z	-1.516	-1.516	0	%100
57	M49	X	-2.429	-2.429	0	%100
58	M49	Z	-1.403	-1.403	0	%100
59	M50	X	-2.429	-2.429	0	%100
60	M50	Z	-1.403	-1.403	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-1.261	-1.261	0	%100
2	M1	Z	-2.185	-2.185	0	%100
3	M2	X	-1.261	-1.261	0	%100
4	M2	Z	-2.185	-2.185	0	%100
5	M13	X	- .158	- .158	0	%100
6	M13	Z	- .274	- .274	0	%100
7	M14	X	- .158	- .158	0	%100
8	M14	Z	- .274	- .274	0	%100
9	M15	X	- .158	- .158	0	%100
10	M15	Z	- .274	- .274	0	%100
11	M16	X	- .158	- .158	0	%100
12	M16	Z	- .274	- .274	0	%100
13	M17	X	-1.159	-1.159	0	%100
14	M17	Z	-2.007	-2.007	0	%100
15	M18	X	-1.159	-1.159	0	%100
16	M18	Z	-2.007	-2.007	0	%100
17	M19	X	- .165	- .165	0	%100
18	M19	Z	- .286	- .286	0	%100
19	M20	X	- .165	- .165	0	%100
20	M20	Z	- .286	- .286	0	%100
21	M21	X	- .479	- .479	0	%100
22	M21	Z	- .829	- .829	0	%100
23	M22	X	- .479	- .479	0	%100
24	M22	Z	- .829	- .829	0	%100
25	M23	X	- .479	- .479	0	%100
26	M23	Z	- .829	- .829	0	%100
27	M24	X	- .479	- .479	0	%100
28	M24	Z	- .829	- .829	0	%100
29	M25	X	- .94	- .94	0	%100
30	M25	Z	-1.628	-1.628	0	%100
31	M26	X	- .94	- .94	0	%100



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Member Distributed Loads (BLC 64 : Structure Wi (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
32	M26	Z	-1.628	-1.628	0	%100
33	M27	X	-.654	-.654	0	%100
34	M27	Z	-1.132	-1.132	0	%100
35	M28	X	-.654	-.654	0	%100
36	M28	Z	-1.132	-1.132	0	%100
37	M31	X	-.072	-.072	0	%100
38	M31	Z	-.125	-.125	0	%100
39	M32	X	-.072	-.072	0	%100
40	M32	Z	-.125	-.125	0	%100
41	M44	X	-.844	-.844	0	%100
42	M44	Z	-1.462	-1.462	0	%100
43	M45	X	-.844	-.844	0	%100
44	M45	Z	-1.462	-1.462	0	%100
45	M46	X	-.844	-.844	0	%100
46	M46	Z	-1.462	-1.462	0	%100
47	M47	X	-.844	-.844	0	%100
48	M47	Z	-1.462	-1.462	0	%100
49	MP1A	X	-1.516	-1.516	0	%100
50	MP1A	Z	-2.627	-2.627	0	%100
51	MP2A	X	-1.516	-1.516	0	%100
52	MP2A	Z	-2.627	-2.627	0	%100
53	MP3A	X	-1.516	-1.516	0	%100
54	MP3A	Z	-2.627	-2.627	0	%100
55	MP4A	X	-1.516	-1.516	0	%100
56	MP4A	Z	-2.627	-2.627	0	%100
57	M49	X	-1.403	-1.403	0	%100
58	M49	Z	-2.429	-2.429	0	%100
59	M50	X	-1.403	-1.403	0	%100
60	M50	Z	-2.429	-2.429	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-.685	-.685	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.685	-.685	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-.27	-.27	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-.27	-.27	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.27	-.27	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-.27	-.27	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-.149	-.149	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-.149	-.149	0	%100



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Member Distributed Loads (BLC 65 : Structure Wm (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
25	M23	X	0	0	0	%100
26	M23	Z	-.149	-.149	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-.149	-.149	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-.154	-.154	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-.154	-.154	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-.154	-.154	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-.154	-.154	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-.259	-.259	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-.259	-.259	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	-.149	-.149	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	-.149	-.149	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-.149	-.149	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	-.149	-.149	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-.566	-.566	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-.566	-.566	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-.566	-.566	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-.566	-.566	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-.516	-.516	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	-.516	-.516	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	.257	.257	0	%100
2	M1	Z	-.445	-.445	0	%100
3	M2	X	.257	.257	0	%100
4	M2	Z	-.445	-.445	0	%100
5	M13	X	.019	.019	0	%100
6	M13	Z	-.032	-.032	0	%100
7	M14	X	.019	.019	0	%100
8	M14	Z	-.032	-.032	0	%100
9	M15	X	.019	.019	0	%100
10	M15	Z	-.032	-.032	0	%100
11	M16	X	.019	.019	0	%100
12	M16	Z	-.032	-.032	0	%100
13	M17	X	.03	.03	0	%100
14	M17	Z	-.053	-.053	0	%100
15	M18	X	.03	.03	0	%100
16	M18	Z	-.053	-.053	0	%100
17	M19	X	.214	.214	0	%100



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Member Distributed Loads (BLC 66 : Structure Wm (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
18	M19	Z	-.37	-.37	0	%100
19	M20	X	.214	.214	0	%100
20	M20	Z	-.37	-.37	0	%100
21	M21	X	.056	.056	0	%100
22	M21	Z	-.097	-.097	0	%100
23	M22	X	.056	.056	0	%100
24	M22	Z	-.097	-.097	0	%100
25	M23	X	.056	.056	0	%100
26	M23	Z	-.097	-.097	0	%100
27	M24	X	.056	.056	0	%100
28	M24	Z	-.097	-.097	0	%100
29	M25	X	.062	.062	0	%100
30	M25	Z	-.107	-.107	0	%100
31	M26	X	.062	.062	0	%100
32	M26	Z	-.107	-.107	0	%100
33	M27	X	.089	.089	0	%100
34	M27	Z	-.154	-.154	0	%100
35	M28	X	.089	.089	0	%100
36	M28	Z	-.154	-.154	0	%100
37	M31	X	.258	.258	0	%100
38	M31	Z	-.446	-.446	0	%100
39	M32	X	.258	.258	0	%100
40	M32	Z	-.446	-.446	0	%100
41	M44	X	.074	.074	0	%100
42	M44	Z	-.129	-.129	0	%100
43	M45	X	.074	.074	0	%100
44	M45	Z	-.129	-.129	0	%100
45	M46	X	.074	.074	0	%100
46	M46	Z	-.129	-.129	0	%100
47	M47	X	.074	.074	0	%100
48	M47	Z	-.129	-.129	0	%100
49	MP1A	X	.283	.283	0	%100
50	MP1A	Z	-.49	-.49	0	%100
51	MP2A	X	.283	.283	0	%100
52	MP2A	Z	-.49	-.49	0	%100
53	MP3A	X	.283	.283	0	%100
54	MP3A	Z	-.49	-.49	0	%100
55	MP4A	X	.283	.283	0	%100
56	MP4A	Z	-.49	-.49	0	%100
57	M49	X	.258	.258	0	%100
58	M49	Z	-.446	-.446	0	%100
59	M50	X	.258	.258	0	%100
60	M50	Z	-.446	-.446	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.148	.148	0	%100
2	M1	Z	-.086	-.086	0	%100
3	M2	X	.148	.148	0	%100
4	M2	Z	-.086	-.086	0	%100
5	M13	X	.097	.097	0	%100
6	M13	Z	-.056	-.056	0	%100
7	M14	X	.097	.097	0	%100
8	M14	Z	-.056	-.056	0	%100
9	M15	X	.097	.097	0	%100
10	M15	Z	-.056	-.056	0	%100



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Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
11	M16	X	.097	.097	0	%100
12	M16	Z	-.056	-.056	0	%100
13	M17	X	.007	.007	0	%100
14	M17	Z	-.004	-.004	0	%100
15	M18	X	.007	.007	0	%100
16	M18	Z	-.004	-.004	0	%100
17	M19	X	.325	.325	0	%100
18	M19	Z	-.188	-.188	0	%100
19	M20	X	.325	.325	0	%100
20	M20	Z	-.188	-.188	0	%100
21	M21	X	.032	.032	0	%100
22	M21	Z	-.019	-.019	0	%100
23	M22	X	.032	.032	0	%100
24	M22	Z	-.019	-.019	0	%100
25	M23	X	.032	.032	0	%100
26	M23	Z	-.019	-.019	0	%100
27	M24	X	.032	.032	0	%100
28	M24	Z	-.019	-.019	0	%100
29	M25	X	.1	.1	0	%100
30	M25	Z	-.058	-.058	0	%100
31	M26	X	.1	.1	0	%100
32	M26	Z	-.058	-.058	0	%100
33	M27	X	.147	.147	0	%100
34	M27	Z	-.085	-.085	0	%100
35	M28	X	.147	.147	0	%100
36	M28	Z	-.085	-.085	0	%100
37	M31	X	.467	.467	0	%100
38	M31	Z	-.269	-.269	0	%100
39	M32	X	.467	.467	0	%100
40	M32	Z	-.269	-.269	0	%100
41	M44	X	.129	.129	0	%100
42	M44	Z	-.074	-.074	0	%100
43	M45	X	.129	.129	0	%100
44	M45	Z	-.074	-.074	0	%100
45	M46	X	.129	.129	0	%100
46	M46	Z	-.074	-.074	0	%100
47	M47	X	.129	.129	0	%100
48	M47	Z	-.074	-.074	0	%100
49	MP1A	X	.49	.49	0	%100
50	MP1A	Z	-.283	-.283	0	%100
51	MP2A	X	.49	.49	0	%100
52	MP2A	Z	-.283	-.283	0	%100
53	MP3A	X	.49	.49	0	%100
54	MP3A	Z	-.283	-.283	0	%100
55	MP4A	X	.49	.49	0	%100
56	MP4A	Z	-.283	-.283	0	%100
57	M49	X	.446	.446	0	%100
58	M49	Z	-.258	-.258	0	%100
59	M50	X	.446	.446	0	%100
60	M50	Z	-.258	-.258	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100



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Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
4	M2	Z	0	0	0	%100
5	M13	X	.149	.149	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	.149	.149	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	.149	.149	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	.149	.149	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	.166	.166	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	.166	.166	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.166	.166	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.166	.166	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	.139	.139	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	.139	.139	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	.139	.139	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	.139	.139	0	%100
36	M28	Z	0	0	0	%100
37	M31	X	.306	.306	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	.306	.306	0	%100
40	M32	Z	0	0	0	%100
41	M44	X	.149	.149	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	.149	.149	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	.149	.149	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	.149	.149	0	%100
48	M47	Z	0	0	0	%100
49	MP1A	X	.566	.566	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	.566	.566	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	.566	.566	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	.566	.566	0	%100
56	MP4A	Z	0	0	0	%100
57	M49	X	.516	.516	0	%100
58	M49	Z	0	0	0	%100
59	M50	X	.516	.516	0	%100
60	M50	Z	0	0	0	%100



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Member Distributed Loads (BLC 69 : Structure Wm (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.148	.148	0	%100
2	M1	Z	.086	.086	0	%100
3	M2	X	.148	.148	0	%100
4	M2	Z	.086	.086	0	%100
5	M13	X	.097	.097	0	%100
6	M13	Z	.056	.056	0	%100
7	M14	X	.097	.097	0	%100
8	M14	Z	.056	.056	0	%100
9	M15	X	.097	.097	0	%100
10	M15	Z	.056	.056	0	%100
11	M16	X	.097	.097	0	%100
12	M16	Z	.056	.056	0	%100
13	M17	X	.325	.325	0	%100
14	M17	Z	.188	.188	0	%100
15	M18	X	.325	.325	0	%100
16	M18	Z	.188	.188	0	%100
17	M19	X	.007	.007	0	%100
18	M19	Z	.004	.004	0	%100
19	M20	X	.007	.007	0	%100
20	M20	Z	.004	.004	0	%100
21	M21	X	.032	.032	0	%100
22	M21	Z	.019	.019	0	%100
23	M22	X	.032	.032	0	%100
24	M22	Z	.019	.019	0	%100
25	M23	X	.032	.032	0	%100
26	M23	Z	.019	.019	0	%100
27	M24	X	.032	.032	0	%100
28	M24	Z	.019	.019	0	%100
29	M25	X	.147	.147	0	%100
30	M25	Z	.085	.085	0	%100
31	M26	X	.147	.147	0	%100
32	M26	Z	.085	.085	0	%100
33	M27	X	.1	.1	0	%100
34	M27	Z	.058	.058	0	%100
35	M28	X	.1	.1	0	%100
36	M28	Z	.058	.058	0	%100
37	M31	X	.044	.044	0	%100
38	M31	Z	.025	.025	0	%100
39	M32	X	.044	.044	0	%100
40	M32	Z	.025	.025	0	%100
41	M44	X	.129	.129	0	%100
42	M44	Z	.074	.074	0	%100
43	M45	X	.129	.129	0	%100
44	M45	Z	.074	.074	0	%100
45	M46	X	.129	.129	0	%100
46	M46	Z	.074	.074	0	%100
47	M47	X	.129	.129	0	%100
48	M47	Z	.074	.074	0	%100
49	MP1A	X	.49	.49	0	%100
50	MP1A	Z	.283	.283	0	%100
51	MP2A	X	.49	.49	0	%100
52	MP2A	Z	.283	.283	0	%100
53	MP3A	X	.49	.49	0	%100
54	MP3A	Z	.283	.283	0	%100
55	MP4A	X	.49	.49	0	%100
56	MP4A	Z	.283	.283	0	%100
57	M49	X	.446	.446	0	%100



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Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	M49	Z	.258	.258	0	%100
59	M50	X	.446	.446	0	%100
60	M50	Z	.258	.258	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.257	.257	0	%100
2	M1	Z	.445	.445	0	%100
3	M2	X	.257	.257	0	%100
4	M2	Z	.445	.445	0	%100
5	M13	X	.019	.019	0	%100
6	M13	Z	.032	.032	0	%100
7	M14	X	.019	.019	0	%100
8	M14	Z	.032	.032	0	%100
9	M15	X	.019	.019	0	%100
10	M15	Z	.032	.032	0	%100
11	M16	X	.019	.019	0	%100
12	M16	Z	.032	.032	0	%100
13	M17	X	.214	.214	0	%100
14	M17	Z	.37	.37	0	%100
15	M18	X	.214	.214	0	%100
16	M18	Z	.37	.37	0	%100
17	M19	X	.03	.03	0	%100
18	M19	Z	.053	.053	0	%100
19	M20	X	.03	.03	0	%100
20	M20	Z	.053	.053	0	%100
21	M21	X	.056	.056	0	%100
22	M21	Z	.097	.097	0	%100
23	M22	X	.056	.056	0	%100
24	M22	Z	.097	.097	0	%100
25	M23	X	.056	.056	0	%100
26	M23	Z	.097	.097	0	%100
27	M24	X	.056	.056	0	%100
28	M24	Z	.097	.097	0	%100
29	M25	X	.089	.089	0	%100
30	M25	Z	.154	.154	0	%100
31	M26	X	.089	.089	0	%100
32	M26	Z	.154	.154	0	%100
33	M27	X	.062	.062	0	%100
34	M27	Z	.107	.107	0	%100
35	M28	X	.062	.062	0	%100
36	M28	Z	.107	.107	0	%100
37	M31	X	.014	.014	0	%100
38	M31	Z	.023	.023	0	%100
39	M32	X	.014	.014	0	%100
40	M32	Z	.023	.023	0	%100
41	M44	X	.074	.074	0	%100
42	M44	Z	.129	.129	0	%100
43	M45	X	.074	.074	0	%100
44	M45	Z	.129	.129	0	%100
45	M46	X	.074	.074	0	%100
46	M46	Z	.129	.129	0	%100
47	M47	X	.074	.074	0	%100
48	M47	Z	.129	.129	0	%100
49	MP1A	X	.283	.283	0	%100
50	MP1A	Z	.49	.49	0	%100



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Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
51	MP2A	X	.283	.283	0	%100
52	MP2A	Z	.49	.49	0	%100
53	MP3A	X	.283	.283	0	%100
54	MP3A	Z	.49	.49	0	%100
55	MP4A	X	.283	.283	0	%100
56	MP4A	Z	.49	.49	0	%100
57	M49	X	.258	.258	0	%100
58	M49	Z	.446	.446	0	%100
59	M50	X	.258	.258	0	%100
60	M50	Z	.446	.446	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	0	0	0	%100
2	M1	Z	.685	.685	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.685	.685	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	.27	.27	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	.27	.27	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.27	.27	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	.27	.27	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	.149	.149	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	.149	.149	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	.149	.149	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	.149	.149	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	.154	.154	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	.154	.154	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	.154	.154	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	.154	.154	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	.259	.259	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	.259	.259	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	.149	.149	0	%100
43	M45	X	0	0	0	%100



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Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
44	M45	Z	.149	.149	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	.149	.149	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	.149	.149	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	.566	.566	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	.566	.566	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	.566	.566	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	.566	.566	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	.516	.516	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	.516	.516	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.257	-.257	0	%100
2	M1	Z	.445	.445	0	%100
3	M2	X	-.257	-.257	0	%100
4	M2	Z	.445	.445	0	%100
5	M13	X	-.019	-.019	0	%100
6	M13	Z	.032	.032	0	%100
7	M14	X	-.019	-.019	0	%100
8	M14	Z	.032	.032	0	%100
9	M15	X	-.019	-.019	0	%100
10	M15	Z	.032	.032	0	%100
11	M16	X	-.019	-.019	0	%100
12	M16	Z	.032	.032	0	%100
13	M17	X	-.03	-.03	0	%100
14	M17	Z	.053	.053	0	%100
15	M18	X	-.03	-.03	0	%100
16	M18	Z	.053	.053	0	%100
17	M19	X	-.214	-.214	0	%100
18	M19	Z	.37	.37	0	%100
19	M20	X	-.214	-.214	0	%100
20	M20	Z	.37	.37	0	%100
21	M21	X	-.056	-.056	0	%100
22	M21	Z	.097	.097	0	%100
23	M22	X	-.056	-.056	0	%100
24	M22	Z	.097	.097	0	%100
25	M23	X	-.056	-.056	0	%100
26	M23	Z	.097	.097	0	%100
27	M24	X	-.056	-.056	0	%100
28	M24	Z	.097	.097	0	%100
29	M25	X	-.062	-.062	0	%100
30	M25	Z	.107	.107	0	%100
31	M26	X	-.062	-.062	0	%100
32	M26	Z	.107	.107	0	%100
33	M27	X	-.089	-.089	0	%100
34	M27	Z	.154	.154	0	%100
35	M28	X	-.089	-.089	0	%100
36	M28	Z	.154	.154	0	%100



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Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
37	M31	X	-.258	-.258	0	%100
38	M31	Z	.446	.446	0	%100
39	M32	X	-.258	-.258	0	%100
40	M32	Z	.446	.446	0	%100
41	M44	X	-.074	-.074	0	%100
42	M44	Z	.129	.129	0	%100
43	M45	X	-.074	-.074	0	%100
44	M45	Z	.129	.129	0	%100
45	M46	X	-.074	-.074	0	%100
46	M46	Z	.129	.129	0	%100
47	M47	X	-.074	-.074	0	%100
48	M47	Z	.129	.129	0	%100
49	MP1A	X	-.283	-.283	0	%100
50	MP1A	Z	.49	.49	0	%100
51	MP2A	X	-.283	-.283	0	%100
52	MP2A	Z	.49	.49	0	%100
53	MP3A	X	-.283	-.283	0	%100
54	MP3A	Z	.49	.49	0	%100
55	MP4A	X	-.283	-.283	0	%100
56	MP4A	Z	.49	.49	0	%100
57	M49	X	-.258	-.258	0	%100
58	M49	Z	.446	.446	0	%100
59	M50	X	-.258	-.258	0	%100
60	M50	Z	.446	.446	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.148	-.148	0	%100
2	M1	Z	.086	.086	0	%100
3	M2	X	-.148	-.148	0	%100
4	M2	Z	.086	.086	0	%100
5	M13	X	-.097	-.097	0	%100
6	M13	Z	.056	.056	0	%100
7	M14	X	-.097	-.097	0	%100
8	M14	Z	.056	.056	0	%100
9	M15	X	-.097	-.097	0	%100
10	M15	Z	.056	.056	0	%100
11	M16	X	-.097	-.097	0	%100
12	M16	Z	.056	.056	0	%100
13	M17	X	-.007	-.007	0	%100
14	M17	Z	.004	.004	0	%100
15	M18	X	-.007	-.007	0	%100
16	M18	Z	.004	.004	0	%100
17	M19	X	-.325	-.325	0	%100
18	M19	Z	.188	.188	0	%100
19	M20	X	-.325	-.325	0	%100
20	M20	Z	.188	.188	0	%100
21	M21	X	-.032	-.032	0	%100
22	M21	Z	.019	.019	0	%100
23	M22	X	-.032	-.032	0	%100
24	M22	Z	.019	.019	0	%100
25	M23	X	-.032	-.032	0	%100
26	M23	Z	.019	.019	0	%100
27	M24	X	-.032	-.032	0	%100
28	M24	Z	.019	.019	0	%100
29	M25	X	-.1	-.1	0	%100



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Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
30	M25	Z	.058	.058	0	%100
31	M26	X	-.1	-.1	0	%100
32	M26	Z	.058	.058	0	%100
33	M27	X	-.147	-.147	0	%100
34	M27	Z	.085	.085	0	%100
35	M28	X	-.147	-.147	0	%100
36	M28	Z	.085	.085	0	%100
37	M31	X	-.467	-.467	0	%100
38	M31	Z	.269	.269	0	%100
39	M32	X	-.467	-.467	0	%100
40	M32	Z	.269	.269	0	%100
41	M44	X	-.129	-.129	0	%100
42	M44	Z	.074	.074	0	%100
43	M45	X	-.129	-.129	0	%100
44	M45	Z	.074	.074	0	%100
45	M46	X	-.129	-.129	0	%100
46	M46	Z	.074	.074	0	%100
47	M47	X	-.129	-.129	0	%100
48	M47	Z	.074	.074	0	%100
49	MP1A	X	-.49	-.49	0	%100
50	MP1A	Z	.283	.283	0	%100
51	MP2A	X	-.49	-.49	0	%100
52	MP2A	Z	.283	.283	0	%100
53	MP3A	X	-.49	-.49	0	%100
54	MP3A	Z	.283	.283	0	%100
55	MP4A	X	-.49	-.49	0	%100
56	MP4A	Z	.283	.283	0	%100
57	M49	X	-.446	-.446	0	%100
58	M49	Z	.258	.258	0	%100
59	M50	X	-.446	-.446	0	%100
60	M50	Z	.258	.258	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-.149	-.149	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-.149	-.149	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-.149	-.149	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-.149	-.149	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-.166	-.166	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-.166	-.166	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-.166	-.166	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.166	-.166	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100



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Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-.139	-.139	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-.139	-.139	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-.139	-.139	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-.139	-.139	0	%100
36	M28	Z	0	0	0	%100
37	M31	X	-.306	-.306	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-.306	-.306	0	%100
40	M32	Z	0	0	0	%100
41	M44	X	-.149	-.149	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	-.149	-.149	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	-.149	-.149	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-.149	-.149	0	%100
48	M47	Z	0	0	0	%100
49	MP1A	X	-.566	-.566	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	-.566	-.566	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-.566	-.566	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-.566	-.566	0	%100
56	MP4A	Z	0	0	0	%100
57	M49	X	-.516	-.516	0	%100
58	M49	Z	0	0	0	%100
59	M50	X	-.516	-.516	0	%100
60	M50	Z	0	0	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-.148	-.148	0	%100
2	M1	Z	-.086	-.086	0	%100
3	M2	X	-.148	-.148	0	%100
4	M2	Z	-.086	-.086	0	%100
5	M13	X	-.097	-.097	0	%100
6	M13	Z	-.056	-.056	0	%100
7	M14	X	-.097	-.097	0	%100
8	M14	Z	-.056	-.056	0	%100
9	M15	X	-.097	-.097	0	%100
10	M15	Z	-.056	-.056	0	%100
11	M16	X	-.097	-.097	0	%100
12	M16	Z	-.056	-.056	0	%100
13	M17	X	-.325	-.325	0	%100
14	M17	Z	-.188	-.188	0	%100
15	M18	X	-.325	-.325	0	%100



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Member Distributed Loads (BLC 75 : Structure Wm (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
16	M18	Z	-.188	-.188	0	%100
17	M19	X	-.007	-.007	0	%100
18	M19	Z	-.004	-.004	0	%100
19	M20	X	-.007	-.007	0	%100
20	M20	Z	-.004	-.004	0	%100
21	M21	X	-.032	-.032	0	%100
22	M21	Z	-.019	-.019	0	%100
23	M22	X	-.032	-.032	0	%100
24	M22	Z	-.019	-.019	0	%100
25	M23	X	-.032	-.032	0	%100
26	M23	Z	-.019	-.019	0	%100
27	M24	X	-.032	-.032	0	%100
28	M24	Z	-.019	-.019	0	%100
29	M25	X	-.147	-.147	0	%100
30	M25	Z	-.085	-.085	0	%100
31	M26	X	-.147	-.147	0	%100
32	M26	Z	-.085	-.085	0	%100
33	M27	X	-.1	-.1	0	%100
34	M27	Z	-.058	-.058	0	%100
35	M28	X	-.1	-.1	0	%100
36	M28	Z	-.058	-.058	0	%100
37	M31	X	-.044	-.044	0	%100
38	M31	Z	-.025	-.025	0	%100
39	M32	X	-.044	-.044	0	%100
40	M32	Z	-.025	-.025	0	%100
41	M44	X	-.129	-.129	0	%100
42	M44	Z	-.074	-.074	0	%100
43	M45	X	-.129	-.129	0	%100
44	M45	Z	-.074	-.074	0	%100
45	M46	X	-.129	-.129	0	%100
46	M46	Z	-.074	-.074	0	%100
47	M47	X	-.129	-.129	0	%100
48	M47	Z	-.074	-.074	0	%100
49	MP1A	X	-.49	-.49	0	%100
50	MP1A	Z	-.283	-.283	0	%100
51	MP2A	X	-.49	-.49	0	%100
52	MP2A	Z	-.283	-.283	0	%100
53	MP3A	X	-.49	-.49	0	%100
54	MP3A	Z	-.283	-.283	0	%100
55	MP4A	X	-.49	-.49	0	%100
56	MP4A	Z	-.283	-.283	0	%100
57	M49	X	-.446	-.446	0	%100
58	M49	Z	-.258	-.258	0	%100
59	M50	X	-.446	-.446	0	%100
60	M50	Z	-.258	-.258	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.257	-.257	0	%100
2	M1	Z	-.445	-.445	0	%100
3	M2	X	-.257	-.257	0	%100
4	M2	Z	-.445	-.445	0	%100
5	M13	X	-.019	-.019	0	%100
6	M13	Z	-.032	-.032	0	%100
7	M14	X	-.019	-.019	0	%100
8	M14	Z	-.032	-.032	0	%100



Company :
 Designer :
 Job Number :
 Model Name :

Mar 30, 2021
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 Checked By: _____

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.-%]	End Location[ft.-%]
9	M15	X	-0.19	-0.19	0	%100
10	M15	Z	-0.32	-0.32	0	%100
11	M16	X	-0.19	-0.19	0	%100
12	M16	Z	-0.32	-0.32	0	%100
13	M17	X	-0.214	-0.214	0	%100
14	M17	Z	-0.37	-0.37	0	%100
15	M18	X	-0.214	-0.214	0	%100
16	M18	Z	-0.37	-0.37	0	%100
17	M19	X	-0.03	-0.03	0	%100
18	M19	Z	-0.053	-0.053	0	%100
19	M20	X	-0.03	-0.03	0	%100
20	M20	Z	-0.053	-0.053	0	%100
21	M21	X	-0.056	-0.056	0	%100
22	M21	Z	-0.097	-0.097	0	%100
23	M22	X	-0.056	-0.056	0	%100
24	M22	Z	-0.097	-0.097	0	%100
25	M23	X	-0.056	-0.056	0	%100
26	M23	Z	-0.097	-0.097	0	%100
27	M24	X	-0.056	-0.056	0	%100
28	M24	Z	-0.097	-0.097	0	%100
29	M25	X	-0.089	-0.089	0	%100
30	M25	Z	-0.154	-0.154	0	%100
31	M26	X	-0.089	-0.089	0	%100
32	M26	Z	-0.154	-0.154	0	%100
33	M27	X	-0.062	-0.062	0	%100
34	M27	Z	-0.107	-0.107	0	%100
35	M28	X	-0.062	-0.062	0	%100
36	M28	Z	-0.107	-0.107	0	%100
37	M31	X	-0.014	-0.014	0	%100
38	M31	Z	-0.023	-0.023	0	%100
39	M32	X	-0.014	-0.014	0	%100
40	M32	Z	-0.023	-0.023	0	%100
41	M44	X	-0.074	-0.074	0	%100
42	M44	Z	-0.129	-0.129	0	%100
43	M45	X	-0.074	-0.074	0	%100
44	M45	Z	-0.129	-0.129	0	%100
45	M46	X	-0.074	-0.074	0	%100
46	M46	Z	-0.129	-0.129	0	%100
47	M47	X	-0.074	-0.074	0	%100
48	M47	Z	-0.129	-0.129	0	%100
49	MP1A	X	-0.283	-0.283	0	%100
50	MP1A	Z	-0.49	-0.49	0	%100
51	MP2A	X	-0.283	-0.283	0	%100
52	MP2A	Z	-0.49	-0.49	0	%100
53	MP3A	X	-0.283	-0.283	0	%100
54	MP3A	Z	-0.49	-0.49	0	%100
55	MP4A	X	-0.283	-0.283	0	%100
56	MP4A	Z	-0.49	-0.49	0	%100
57	M49	X	-0.258	-0.258	0	%100
58	M49	Z	-0.446	-0.446	0	%100
59	M50	X	-0.258	-0.258	0	%100
60	M50	Z	-0.446	-0.446	0	%100



Company :
 Designer :
 Job Number :
 Model Name :

Mar 30, 2021
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 Checked By: _____

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N35	max	351.657	33	1202.46	20	1594.394	14	-.175	11	0	51	.084	28
2		min	-612.351	49	504.662	2	-154.477	8	-.52	17	0	1	-.105	49
3	N36	max	876.376	9	1173.003	14	1359.717	2	-.125	9	0	51	.082	27
4		min	-763.494	3	493.263	8	-2535.055	8	-.493	14	0	1	-.103	45
5	N79A	max	389.022	10	29.802	16	404.834	10	0	51	0	51	0	51
6		min	-357.389	4	13.881	9	-370.398	4	0	1	0	1	0	1
7	N80A	max	645.833	11	29.899	17	700.646	11	0	51	0	51	0	51
8		min	-680.574	5	13.841	9	-738.3	5	0	1	0	1	0	1
9	Totals:	max	1916.644	10	2428.037	21	2656.623	1						
10		min	-1916.644	4	1069.407	3	-2656.623	7						

Envelope AISC 15th(360-16): LRFD Steel Code Checks

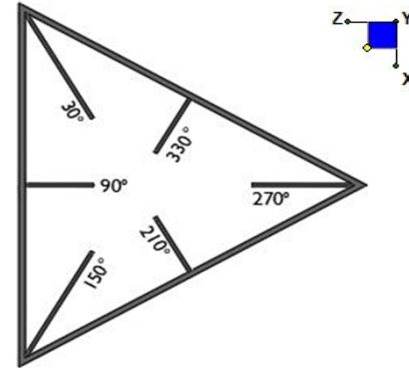
Member	Shape	Code Check	Loc[ft]	LC	Shear	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
1	M1	PIPE 2.5	.209	8.313	7	.087	3.958	43	14178.1...	50715	3.596	3.596	1..	H1-1b
2	M2	PIPE 2.5	.308	3.826	7	.121	3.958	7	14178.1...	50715	3.596	3.596	2..	H1-1b
3	M13	PL5/8X3.5	.241	.422	8	.343	.422	y 9	66184.77	68906.25	.897	5.024	1..	H1-1b
4	M14	PL5/8X3.5	.188	0	41	.186	.422	y 3	66184.77	68906.25	.897	5.024	1..	H1-1b
5	M15	PL5/8X3.5	.170	0	28	.080	0	y 2	66184.77	68906.25	.897	5.024	1..	H1-1b
6	M16	PL5/8X3.5	.172	.422	7	.188	0	y 7	66184.77	68906.25	.897	5.024	1..	H1-1b
7	M17	PIPE 2.0	.289	0	8	.081	1.25	3	31128.25	32130	1.872	1.872	2..	H1-1b
8	M18	PIPE 2.0	.135	0	2	.078	0	17	31128.25	32130	1.872	1.872	1..	H1-1b
9	M19	PIPE 2.0	.078	0	2	.069	0	29	31128.25	32130	1.872	1.872	1..	H1-1b
10	M20	PIPE 2.0	.194	0	7	.059	0	13	31128.25	32130	1.872	1.872	2..	H1-1b
11	M21	PL5/8X3.5	.356	.531	20	.157	.531	y 9	67591.76	68906.25	.897	5.024	1..	H1-1b
12	M22	PL5/8X3.5	.289	.531	19	.079	.531	y 7	67591.76	68906.25	.897	5.024	1..	H1-1b
13	M23	PL5/8X3.5	.329	.531	13	.084	0	y 5	67591.76	68906.25	.897	5.024	1..	H1-1b
14	M24	PL5/8X3.5	.283	.531	14	.036	0	y 28	67591.76	68906.25	.897	5.024	1..	H1-1b
15	M25	SR 0.75	.000	0	51	.008	0	19	2863.936	13916.2...	.174	.174	1..	H1-1a
16	M26	SR 0.75	.066	0	20	.010	4.167	14	2863.936	13916.2...	.174	.174	1..	H1-1b*
17	M27	SR 0.75	.000	0	51	.004	0	18	2863.936	13916.2...	.174	.174	1..	H1-1a
18	M28	SR 0.75	.058	4.167	30	.007	4.167	14	2863.936	13916.2...	.174	.174	1..	H1-1b*
19	M31	PIPE 2.0	.051	6.723	11	.003	6.723	9	18686.4...	32130	1.872	1.872	1..	H1-1b*
20	M32	PIPE 2.0	.042	3.362	9	.003	6.723	9	18686.4...	32130	1.872	1.872	1..	H1-1b
21	M44	SR 0.625	.058	1.667	12	.007	0	8	2017.074	9670.5	.094	.094	1..	H1-1b
22	M45	SR 0.625	.057	1.667	8	.003	0	23	2017.074	9670.5	.094	.094	1..	H1-1b
23	M46	SR 0.625	.050	1.667	7	.006	0	7	2017.074	9670.5	.094	.094	1	H1-1b
24	M47	SR 0.625	.042	1.667	11	.004	0	5	2017.074	9670.5	.094	.094	1..	H1-1b
25	MP1A	PIPE 2.0	.213	2.417	7	.086	5.75	8	14916.0...	32130	1.872	1.872	4..	H1-1b
26	MP2A	PIPE 2.0	.204	2.417	7	.049	2.417	7	14916.0...	32130	1.872	1.872	3..	H1-1b
27	MP3A	PIPE 2.0	.308	2.417	7	.096	2.417	9	14916.0...	32130	1.872	1.872	3..	H1-1b
28	MP4A	PIPE 2.0	.237	5.75	49	.092	5.75	6	14916.0...	32130	1.872	1.872	4..	H1-1b
29	M49	PIPE 2.0	.012	2	9	.011	3.667	8	26521.4...	32130	1.872	1.872	1..	H1-1b
30	M50	PIPE 2.0	.036	1.042	4	.030	.333	8	26521.4...	32130	1.872	1.872	1..	H1-1b



I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N36	90
N35	90



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

d_x (in) (Delta X of typ. bolt config. sketch) :

d_y (in) (Delta Y of typ. bolt config. sketch) :

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

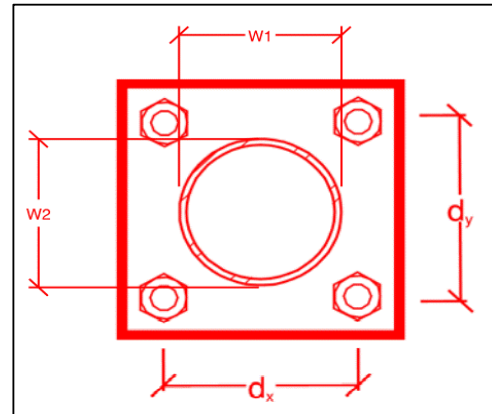
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
9.5
3.5
A307
0.625
4.8
2.6
10.0
6.0
11.9%*
10.9%



*Note: Tension reduction not required if tension or shear capacity < 30%

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – **Passing Mount Analysis**

Purpose – to provide Maser Consulting Connecticut the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the installation was completed in accordance with this Passing Mount Analysis.
- Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.



Base Requirements:







- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to <https://pmi.vzsmart.com> as depicted on the drawings








Photo Requirements:


- Base and “During Installation Photos”
 - Base pictures include
 - Photo of Gate Signs showing the tower owner, site name, and number
 - Photo of carrier shelter showing the carrier site name and number if available
 - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
 - “During Installation Photos if provided - must be placed only in this folder
- Photos taken at ground level
 - Overall tower structure before and after installation of the equipment modifications
 - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- Photos taken at Mount Elevation
 - Photos showing each individual sector before and also after installation of equipment.


Schedule A – Photo & Document File Structure

-  VzW Site Number / Name
 -  Base & “During Installation” Photos

 -  Pre-Installation Photos
 -  Alpha
 -  Beta
 -  Gamma
 -  Ground Level
 -  Tape Drop

 -  Post-Installation Photos
 -  Alpha
 -  Beta
 -  Gamma
 -  Ground Level
 -  Tape Drop
 -  Photos of climbing facility and safety climb – If Present

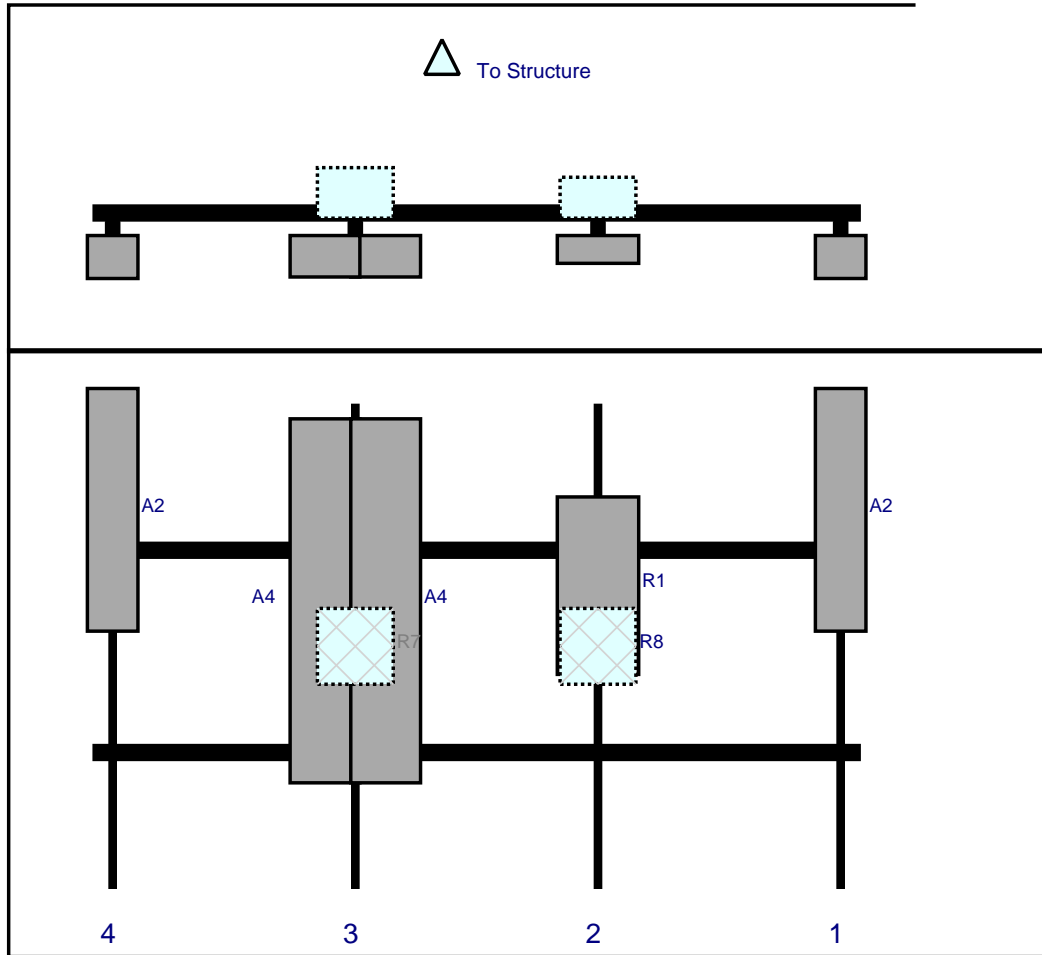
-  Certifications – Submission of this document including certifications

-  Specific Required Additional Photos

Sector: A
 Structure Type: Self Support
 Mount Elev: 89.00



Plan View



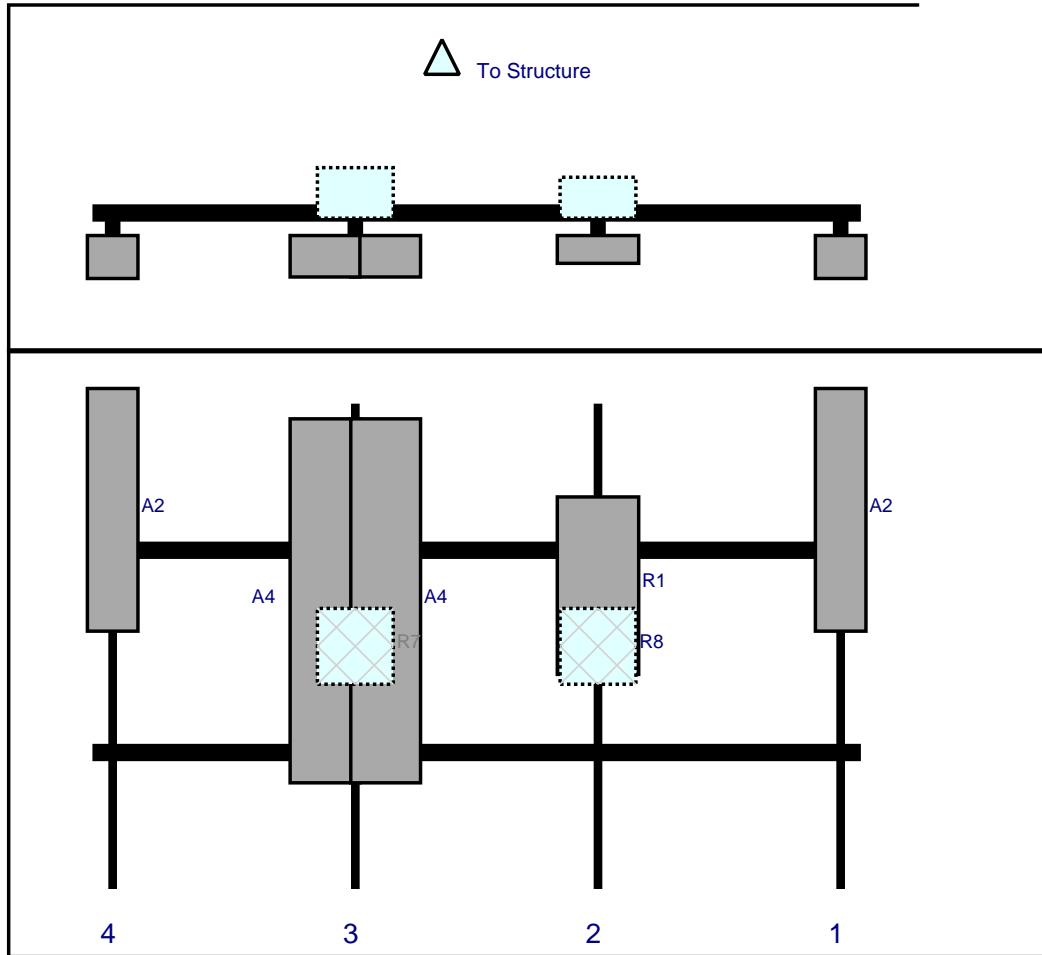
Front View
 Looking at Structure

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
A2	DB844G65ZAXY	48	10	148	1	a	Front	21	0	Retained	02/20/2021
R1	MT6407-77A	35.1	16.1	100	2	a	Front	36	0	Added	
R8	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	100	2	a	Behind	48	0	Retained	02/20/2021
A4	JAHH-65B-R3B	72	13.8	52	3	a	Front	39	-6	Retained	02/20/2021
A4	JAHH-65B-R3B	72	13.8	52	3	b	Front	39	6	Retained	02/20/2021
R7	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	52	3	a	Behind	48	0	Retained	02/20/2021
A2	DB844G65ZAXY	48	10	4	4	a	Front	21	0	Retained	02/20/2021

Sector: **B**
 Structure Type: Self Support
 Mount Elev: 89.00



Plan View



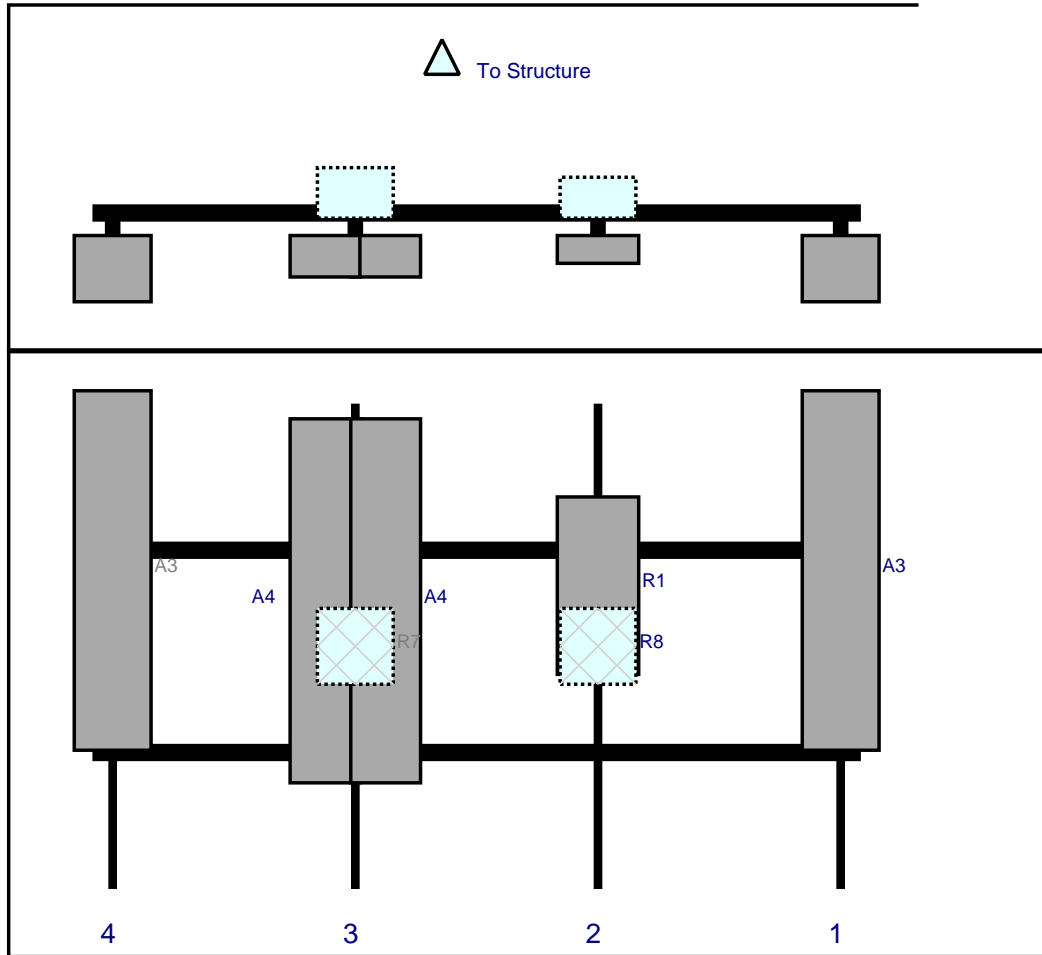
Front View
 Looking at Structure

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
A2	DB844G65ZAXY	48	10	148	1	a	Front	21	0	Retained	02/20/2021
R1	MT6407-77A	35.1	16.1	100	2	a	Front	36	0	Added	
R8	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	100	2	a	Behind	48	0	Retained	02/20/2021
A2	DB844G65ZAXY	48	10	4	4	a	Front	21	0	Retained	02/20/2021
A4	JAHH-65B-R3B	72	13.8	52	3	a	Front	39	-6	Retained	02/20/2021
A4	JAHH-65B-R3B	72	13.8	52	3	b	Front	39	6	Retained	02/20/2021
R7	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	52	3	a	Behind	48	0	Retained	02/20/2021

Sector: C
 Structure Type: Self Support
 Mount Elev: 89.00



Plan View



Front View
 Looking at Structure

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
A3	LPA-80063-6CF-EDIN-X	71.1	15.2	148	1	a	Front	33	0	Retained	02/20/2021
R1	MT6407-77A	35.1	16.1	100	2	a	Front	36	0	Added	
R8	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	100	2	a	Behind	48	0	Retained	02/20/2021
A4	JAHH-65B-R3B	72	13.8	52	3	a	Front	39	-6	Retained	02/20/2021
A4	JAHH-65B-R3B	72	13.8	52	3	b	Front	39	6	Retained	02/20/2021
R7	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	52	3	a	Behind	48	0	Retained	02/20/2021
A3	LPA-80063-6CF-EDIN-X	71.1	15.2	4	4	a	Front	33	0	Retained	02/20/2021

Subject

TIA-222-H Usage

Site Information

Site ID: 468991

Site Name: N Branford CT

Carrier Name: Verizon Wireless

Address: 83 Reeds Gap Rd
North Branford, Connecticut 06471
New Haven County

Latitude: 41.403428°

Longitude: -72.744261°

Structure Information

Tower Type: Self-Support

Mount Type: Sector Frame

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this tower site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Taqi Khawaja, PE
Technical Manager