



STATE OF CONNECTICUT  
*CONNECTICUT SITING COUNCIL*

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Web Site: [portal.ct.gov/csc](http://portal.ct.gov/csc)

**VIA ELECTRONIC MAIL**

January 7, 2022

John Coleman  
Project Manager  
c/o Cellco Partnership d/b/a Verizon Wireless  
Centerline Communications, LLC  
750 West Center Street, Floor 3  
West Bridgewater, MA 02379  
[jcoleman@clinellc.com](mailto:jcoleman@clinellc.com)

**RE: EM-VER-064-211029** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 289-H Mountain Street, Hartford, Connecticut.

Dear Mr. Coleman:

The Connecticut Siting Council (Council) is in receipt of your correspondence of January 5, 2022 submitted in response to the Council's December 15, 2021 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

A handwritten signature in dark ink, appearing to read "Melanie A. Bachman".

Melanie A. Bachman  
Executive Director

MAB/CMW/emr

**From:** John Coleman <jcoleman@clinellc.com>  
**Sent:** Wednesday, January 5, 2022 1:38 PM  
**To:** Fontaine, Lisa <Lisa.Fontaine@ct.gov>  
**Cc:** CSC-DL Siting Council <Siting.Council@ct.gov>  
**Subject:** RE: Council Incomplete Letter for EM-VER-064-211029 Verizon - Mountain Street, Hartford


**EXTERNAL EMAIL:** This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Good Morning Lisa,

I received the attached Letter of Incompleteness and reviewed the Mount Analysis and it is sealed by Derek Hartzell and his CT license is valid. As such, I am not sure how you would like me to resubmit this. Please advise.

License Details

License Details State of Connecticut



Lookup Detail View

Name and Address

Name	Address
DEREK R HARTZELL	

Credential Information

Credential	Credential Type	Effective Date	Expiration Date	Status	Reason
PEN.0032710	PROFESSIONAL ENGINEER	02/01/2021	01/31/2022	ACTIVE	NONE

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12/16/2021 3:26:51 PM





Maser Consulting Connecticut  
2000 Midlantic Drive, Suite 100  
Mt. Laurel, NJ 08054  
(856) 797-0412  
peter.albano@colliersengineering.com

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## Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10085156  
Maser Consulting Connecticut Project #: 21777757A

July 13, 2021

### Site Information

Site ID: 467278-VZW / HARTFORD S 3 CT  
Site Name: HARTFORD S 3 CT  
Carrier Name: Verizon Wireless  
Address: 289H Mountain St  
Hartford, Connecticut 06106  
Hartford County  
Latitude: 41.726583°  
Longitude: -72.708167°

### Structure Information

Tower Type: 110-Ft Monopole  
Mount Type: 12.75-Ft Platform

FUZE ID # 16093011

### Analysis Results

Platform: 53.3% 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: Devin Castillo

**Executive Summary:**

The objective of this report is to summarize the analysis results of the antenna support mount including the proposed modifications at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards.

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: 1875555, dated March 16, 2021</i>
<i>Desktop Mount Mapping</i>	<i>Colliers Engineering &amp; Design, Colliers Project No. 21777757A, dated June 17, 2021</i>
<i>Site Photos</i>	<i>Dated May 6, 2021</i>
<i>Previous Mount Analysis Report</i>	<i>Maser Consulting Project # 21777757A, dated June 6, 2021</i>
<i>Mount Modification Drawings</i>	<i>Maser Consulting Project #: 21777757A, dated June 13, 2021</i>

**Analysis Criteria:**

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), $V_{ULT}$ : 118 mph
	Ice Wind Speed (3-sec. Gust): 50 mph
	Design Ice Thickness: 1.50 in
	Risk Category: II
	Exposure Category: B
	Topographic Category: 4
	Topographic Feature Considered: Ridge
	Topographic Method: Method 2
	Ground Elevation Factor, $K_e$ : 0.990
Seismic Parameters:	$S_s$ : 0.192
	$S_1$ : 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 mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
80.00	78.50	3	Samsung	XXDWMM-12.5-65-8T-CBRS	Added
	80.00	3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		6	Andrew	JAHH-65B-R3B	Retained
		3	Commscope	CBC78T-DS-43-2X	
	1	Raycap	OVP12		
	82.00	3	Samsung	MT6407-77A	Added

The recent mount mapping reported existing OVP units. It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

Model Number	Ports	AKA
DB-B1-6C-12AB-0Z	6	OVP-6
RVZDC-6627-PF-48	12	OVP-12

**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:
  - o Channel, Solid Round, Angle, Plate      ASTM A36 (Gr. 36)
  - o HSS (Rectangular)                              ASTM 500 (Gr. B-46)
  - o Pipe    ASTM A53 (Gr. B-35)
  - o Threaded Rod                                        F1554 (Gr. 36)
  - o Bolts    ASTM A325
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

**Analysis Results:**

<b>Component</b>	<b>Utilization %</b>	<b>Pass/Fail</b>
<i>Kicker</i>	<i>12.5%</i>	<i>Pass</i>
<i>Support Rail Corner</i>	<i>24.9%</i>	<i>Pass</i>
<i>Support Rail</i>	<i>12.2%</i>	<i>Pass</i>
<i>Mount Pipe</i>	<i>48.9%</i>	<i>Pass</i>
<i>Standoff Horizontal</i>	<i>36.4%</i>	<i>Pass</i>
<i>Face Horizontal</i>	<i>17.4%</i>	<i>Pass</i>
<i>Cross Member</i>	<i>45.5%</i>	<i>Pass</i>
<i>Connection Check</i>	<i>53.3%</i>	<i>Pass</i>

<b>Structure Rating – (Controlling Utilization of all Components)</b>	<b>53.3%</b>
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**Recommendation:**


The existing mount is be **SUFFICIENT** for the final loading after the proposed modifications are successfully completed.

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. Desktop Mount Mapping Report (for reference only)
3. Mount Geometry Verification
4. Analysis Calculations
5. **Contractor Required PMI Report Deliverables**
6. Antenna Placement Diagrams
7. TIA Adoption and Wind Speed Suage Letter



	<b>Desktop Mount Mapping Form</b>			
	Site Name:	Hartford S 3 CT	Tower Type:	Monopole
	Site ID:	467278	Tower Owner:	ATC
	FUZE Project ID:	16093011	Tower Height (Ft.):	110
	Customer:	Verizon Wireless	Mount Elevation (Ft.):	80
	Colliers Project No.:	21777757A	Date:	6/17/2021

The information 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 Colliers Engineering & Design.

Document Type	Provided? (Yes/No)	Source Name	Project No.	Dated	Comments/Remarks
Previous Mount Mapping	No				
Previous Mapping Photos	No				
Previous Mount Analysis	Yes	Hartford S 3 CT_850-LTE PCS CA MA_C	A42918-0014.001.81	7/3/2018	
Previous Mount Modifications	No				
Previous Structural Analysis	Yes	Hartford South 3_ATC Structural Analy	OAA708587_C3_01	8/17/2017	
Construction Drawings	Yes	Hartford S 3 CT 850-LTE PCS Carrier Add CD's 08-02-18 V0 Stamped		8/2/2018	
Closeout Package	No				
Closeout Photos	No				
Handover Package	No				
New Build 445 Documentation	No				
Other	Yes	ULP12-4XX (Assembly)		5/24/2018	
Previous PMI	No				

The **desktop mount mapping** is based on the engineering review of the available site documents in FUZE, as listed above, in place of a full mount mapping. It is assumed that the information provided in the documents listed above, provide an accurate representation of the existing mount. EOR reserves the right and will typically require additional clarification and verification as will be included in the PMI requirements. During the Post Modification Inspection (PMI) process, the GC on site will be required to confirm all questions, confirmations, and validations as posed by the EOR. The engineering review for this desktop mount mapping was performed in accordance to the ANSI/TIA-222-H requirements and Verizon's NSTD446 standard.



Photo taken from: Design Visit

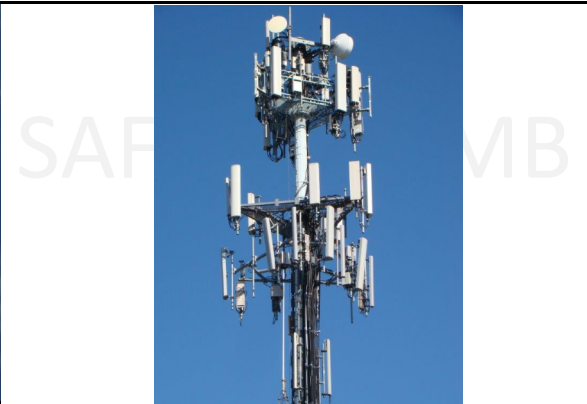
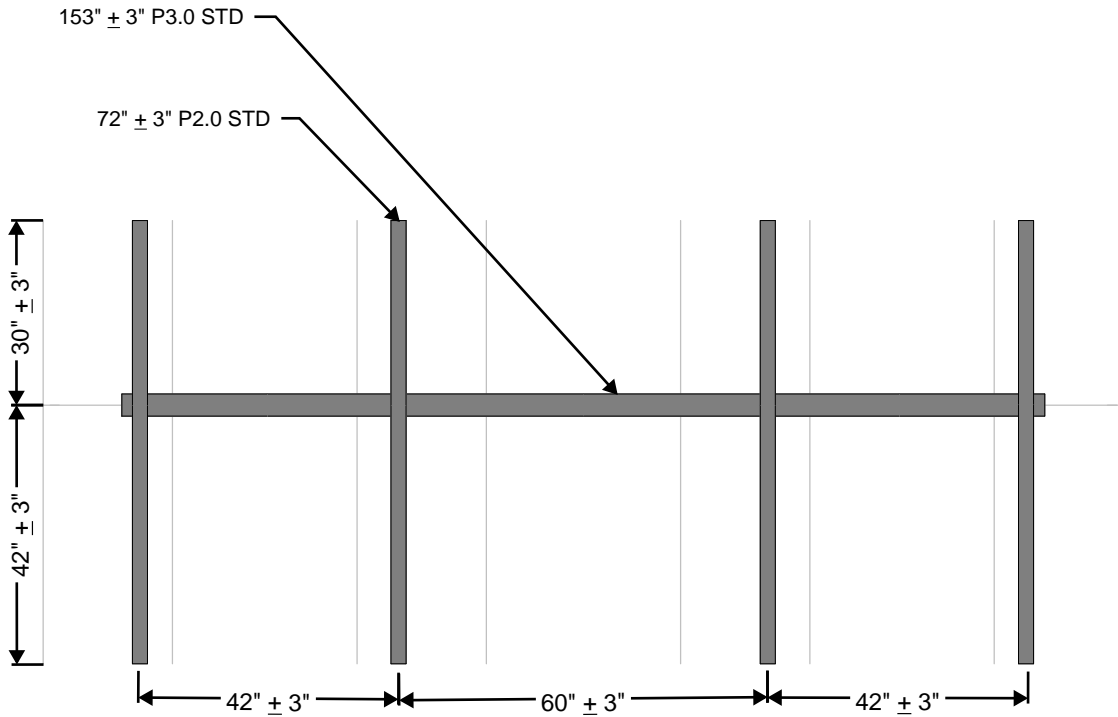


Photo taken from: Design Visit





**MOUNT GEOMETRY VERIFICATION**

**ELEVATION VIEW**

**CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND MEMBER SIZES SHOWN IN THIS SKETCH. DOCUMENT ALL VARIATIONS OR DEVIATIONS VIA PHOTOS AND SKETCHES AND PROVIDE TO THE EOR FOR EVALUATION**

Maser Consulting

CJG

467278-VZW\_MT\_LO\_H

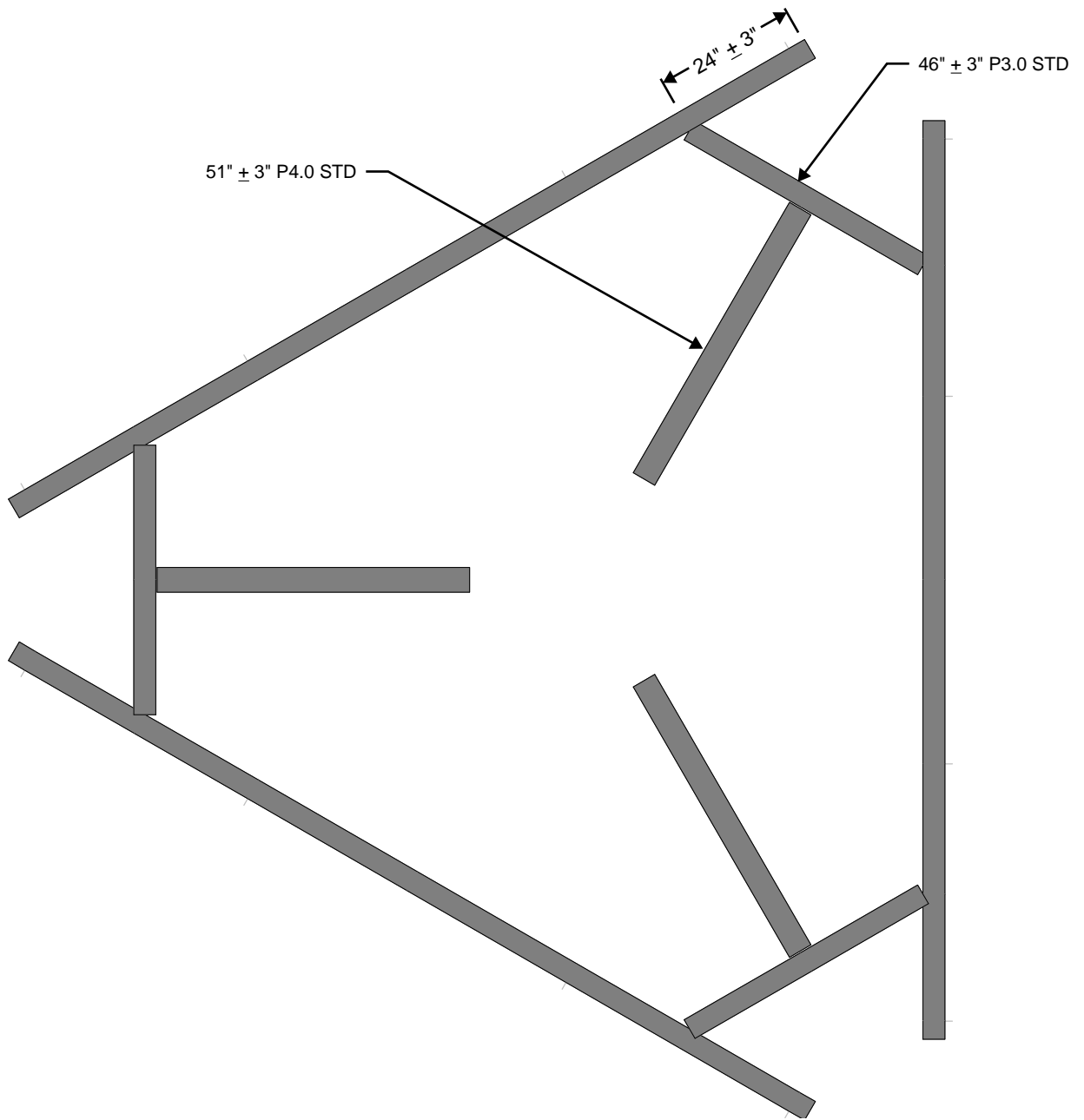
SK - 2

July 1, 2021 at 12:36 PM

467278-VZW\_MT\_LO\_H.r3d

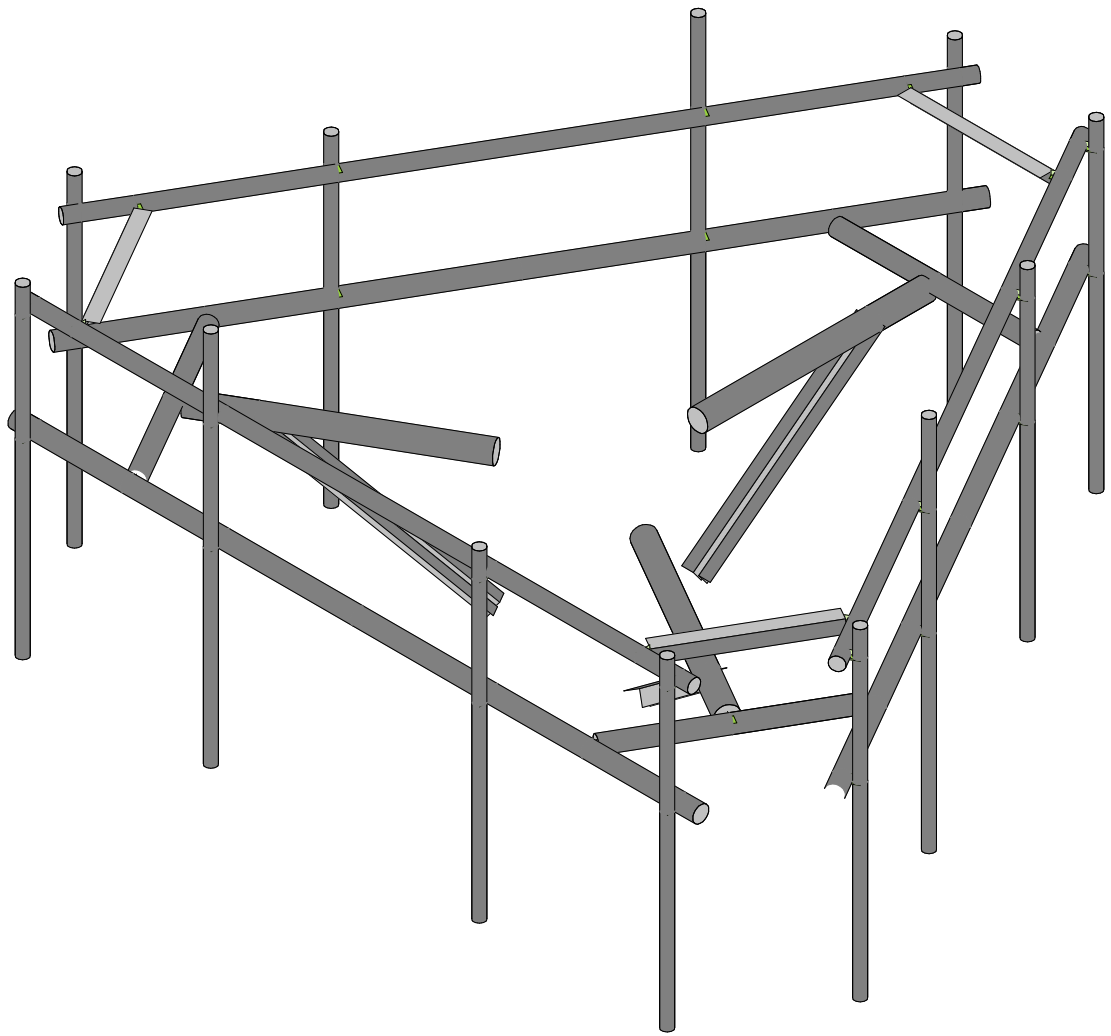
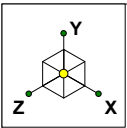


**MOUNT GEOMETRY VERIFICATION**  
**PLAN VIEW**



**CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND MEMBER SIZES SHOWN IN THIS SKETCH. DOCUMENT ALL VARIATIONS OR DEVIATIONS VIA PHOTOS AND SKETCHES AND PROVIDE TO THE EOR FOR EVALUATION**

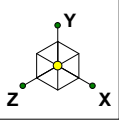
Maser Consulting	467278-VZW_MT_LO_H	SK - 3
CJG		July 1, 2021 at 12:38 PM
		467278-VZW_MT_LO_H.r3d



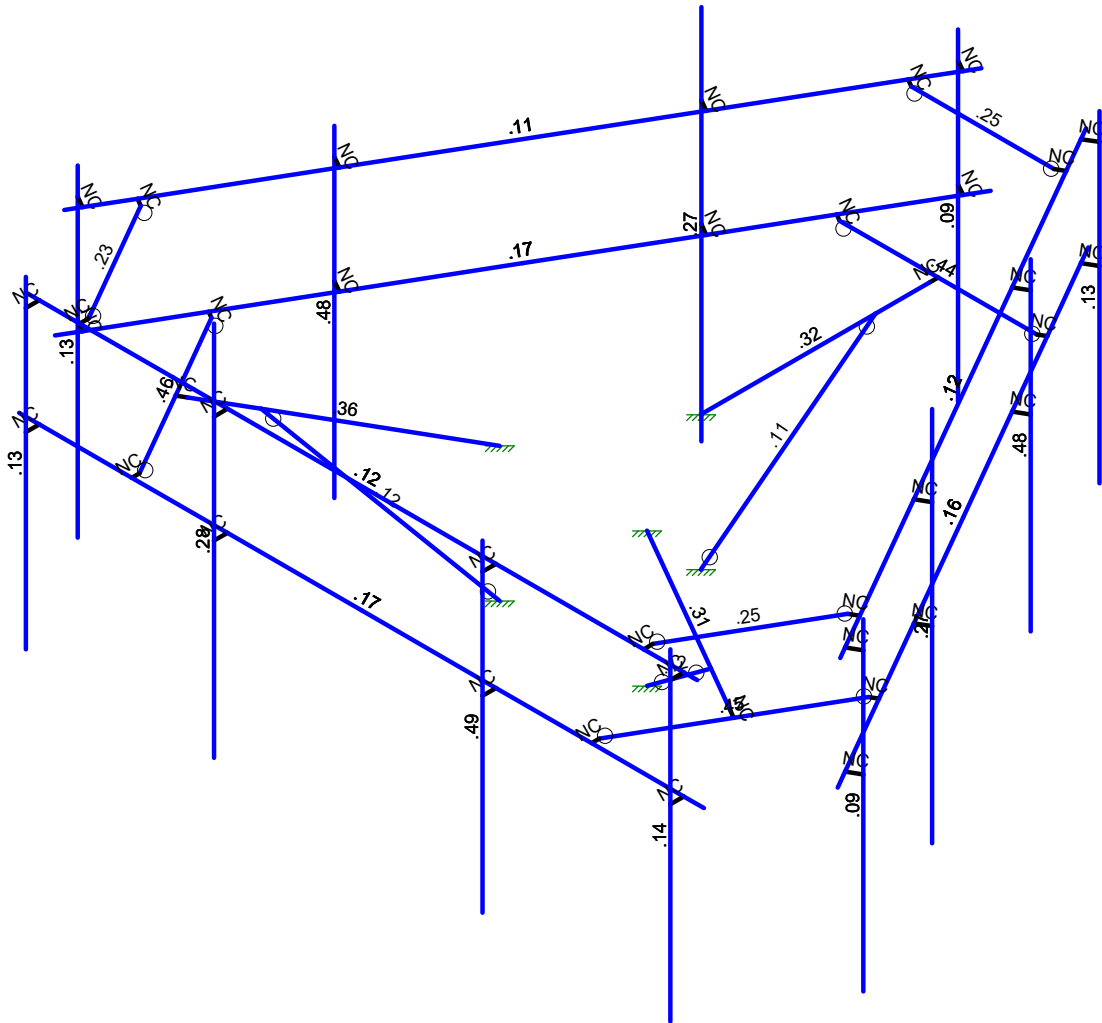
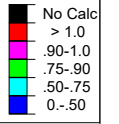
Maser Consulting
DC

Antenna Mount analysis

SK - 1
July 13, 2021 at 9:33 AM
Loaded_MOD_467278-VZW_MT_...



Code Check  
( Env )

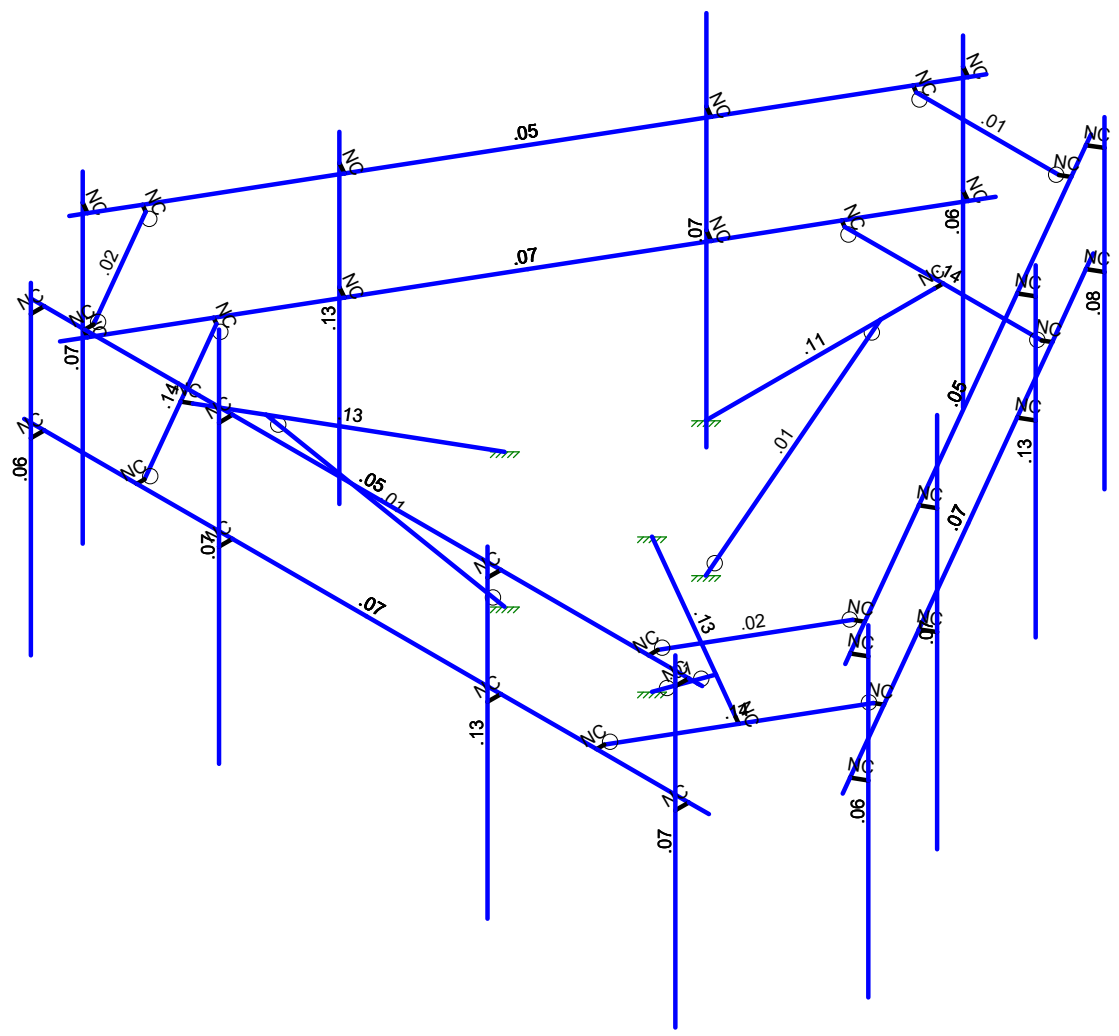
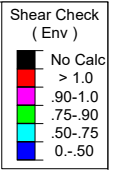
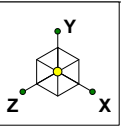


Member Code Checks Displayed (Enveloped)  
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Maser Consulting
DC

Antenna Mount analysis
------------------------

SK - 2
July 13, 2021 at 9:33 AM
Loaded_MOD_467278-VZW_MT_...



Member Shear Checks Displayed (Enveloped)  
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Maser Consulting	Antenna Mount analysis	SK - 3
DC		July 13, 2021 at 9:33 AM
		Loaded_MOD_467278-VZW_MT_...



**Basic Load Cases**

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut..	Area(M...)	Surface...
1	Antenna D	None					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 Deg)	None					93			
32	Antenna Wm (150 Deg)	None					93			
33	Antenna Wm (180 Deg)	None					93			
34	Antenna Wm (210 Deg)	None					93			
35	Antenna Wm (240 Deg)	None					93			
36	Antenna Wm (270 Deg)	None					93			
37	Antenna Wm (300 Deg)	None					93			
38	Antenna Wm (330 Deg)	None					93			
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 Deg)	None						60		
46	Structure Wo (150 Deg)	None						60		
47	Structure Wo (180 Deg)	None						60		
48	Structure Wo (210 Deg)	None						60		
49	Structure Wo (240 Deg)	None						60		
50	Structure Wo (270 Deg)	None						60		
51	Structure Wo (300 Deg)	None						60		
52	Structure Wo (330 Deg)	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		



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

July 13, 2021  
 9:33 AM  
 Checked By: DX

**Basic Load Cases (Continued)**

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

**Load Combinations**

	Description	S...P	Delta	S...B...	F...	BLC	F...	BLC	F...	B...F...	B...F...	B...F...	B...F...	B...F...	B...F...	B...F...
1	1.2D+1.0Wo (0 Deg)	Y...	Y	1	1.2	39	1.2	3	1	41	1					
2	1.2D+1.0Wo (30 Deg)	Y...	Y	1	1.2	39	1.2	4	1	42	1					
3	1.2D+1.0Wo (60 Deg)	Y...	Y	1	1.2	39	1.2	5	1	43	1					
4	1.2D+1.0Wo (90 Deg)	Y...	Y	1	1.2	39	1.2	6	1	44	1					
5	1.2D+1.0Wo (120 Deg)	Y...	Y	1	1.2	39	1.2	7	1	45	1					
6	1.2D+1.0Wo (150 Deg)	Y...	Y	1	1.2	39	1.2	8	1	46	1					
7	1.2D+1.0Wo (180 Deg)	Y...	Y	1	1.2	39	1.2	9	1	47	1					
8	1.2D+1.0Wo (210 Deg)	Y...	Y	1	1.2	39	1.2	10	1	48	1					
9	1.2D+1.0Wo (240 Deg)	Y...	Y	1	1.2	39	1.2	11	1	49	1					
10	1.2D+1.0Wo (270 Deg)	Y...	Y	1	1.2	39	1.2	12	1	50	1					
11	1.2D+1.0Wo (300 Deg)	Y...	Y	1	1.2	39	1.2	13	1	51	1					
12	1.2D+1.0Wo (330 Deg)	Y...	Y	1	1.2	39	1.2	14	1	52	1					
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	15	1	53	1	
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	16	1	54	1	
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	17	1	55	1	
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	18	1	56	1	
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	19	1	57	1	
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	20	1	58	1	
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	21	1	59	1	
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	22	1	60	1	
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	23	1	61	1	
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	24	1	62	1	
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	25	1	63	1	
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	26	1	64	1	
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Y...	Y	1	1.2	39	1.2	77	1.5	27	1	65	1			
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Y...	Y	1	1.2	39	1.2	77	1.5	28	1	66	1			
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Y...	Y	1	1.2	39	1.2	77	1.5	29	1	67	1			
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Y...	Y	1	1.2	39	1.2	77	1.5	30	1	68	1			



**Load Combinations (Continued)**

	Description	S...	PDelta	S...	B...	F...	BLC	F...	BLC	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...
29	1.2D + 1.5Lm1 + 1.0Wm (120 D...	Y...	Y		1	1.2	39	1.2	77	1.5	31	1	69	1						
30	1.2D + 1.5Lm1 + 1.0Wm (150 D...	Y...	Y		1	1.2	39	1.2	77	1.5	32	1	70	1						
31	1.2D + 1.5Lm1 + 1.0Wm (180 D...	Y...	Y		1	1.2	39	1.2	77	1.5	33	1	71	1						
32	1.2D + 1.5Lm1 + 1.0Wm (210 D...	Y...	Y		1	1.2	39	1.2	77	1.5	34	1	72	1						
33	1.2D + 1.5Lm1 + 1.0Wm (240 D...	Y...	Y		1	1.2	39	1.2	77	1.5	35	1	73	1						
34	1.2D + 1.5Lm1 + 1.0Wm (270 D...	Y...	Y		1	1.2	39	1.2	77	1.5	36	1	74	1						
35	1.2D + 1.5Lm1 + 1.0Wm (300 D...	Y...	Y		1	1.2	39	1.2	77	1.5	37	1	75	1						
36	1.2D + 1.5Lm1 + 1.0Wm (330 D...	Y...	Y		1	1.2	39	1.2	77	1.5	38	1	76	1						
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	27	1	65	1						
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	28	1	66	1						
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	29	1	67	1						
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	30	1	68	1						
41	1.2D + 1.5Lm2 + 1.0Wm (120 D...	Y...	Y		1	1.2	39	1.2	78	1.5	31	1	69	1						
42	1.2D + 1.5Lm2 + 1.0Wm (150 D...	Y...	Y		1	1.2	39	1.2	78	1.5	32	1	70	1						
43	1.2D + 1.5Lm2 + 1.0Wm (180 D...	Y...	Y		1	1.2	39	1.2	78	1.5	33	1	71	1						
44	1.2D + 1.5Lm2 + 1.0Wm (210 D...	Y...	Y		1	1.2	39	1.2	78	1.5	34	1	72	1						
45	1.2D + 1.5Lm2 + 1.0Wm (240 D...	Y...	Y		1	1.2	39	1.2	78	1.5	35	1	73	1						
46	1.2D + 1.5Lm2 + 1.0Wm (270 D...	Y...	Y		1	1.2	39	1.2	78	1.5	36	1	74	1						
47	1.2D + 1.5Lm2 + 1.0Wm (300 D...	Y...	Y		1	1.2	39	1.2	78	1.5	37	1	75	1						
48	1.2D + 1.5Lm2 + 1.0Wm (330 D...	Y...	Y		1	1.2	39	1.2	78	1.5	38	1	76	1						
49	1.2D + 1.5Lv1	Y...	Y		1	1.2	39	1.2	79	1.5										
50	1.2D + 1.5Lv2	Y...	Y		1	1.2	39	1.2	80	1.5										
51	1.4D	Y...	Y		1	1.4	39	1.4												
52	Seismic Mass		Y		1	1	39	1												
53	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1						
54	1.2D + 1.0Ev + 1.0Eh (30 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.....						
55	1.2D + 1.0Ev + 1.0Eh (60 Deg)		Y		1	1.2	39	1.2	SX	.8...	SY	1	SZ	-.5						
56	1.2D + 1.0Ev + 1.0Eh (90 Deg)		Y		1	1.2	39	1.2	SX	1	SY	1	SZ							
57	1.2D + 1.0Ev + 1.0Eh (120 Deg)		Y		1	1.2	39	1.2	SX	.8...	SY	1	SZ	.5						
58	1.2D + 1.0Ev + 1.0Eh (150 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.8...						
59	1.2D + 1.0Ev + 1.0Eh (180 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	1						
60	1.2D + 1.0Ev + 1.0Eh (210 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.8...						
61	1.2D + 1.0Ev + 1.0Eh (240 Deg)		Y		1	1.2	39	1.2	SX	.....	SY	1	SZ	.5						
62	1.2D + 1.0Ev + 1.0Eh (270 Deg)		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ							
63	1.2D + 1.0Ev + 1.0Eh (300 Deg)		Y		1	1.2	39	1.2	SX	.....	SY	1	SZ	-.5						
64	1.2D + 1.0Ev + 1.0Eh (330 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.....						

**Joint Coordinates and Temperatures**

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	CENTER	0	0	0	0	
2	N12	-0.	0	-19.	0	
3	N13	-0.	0	-70.	0	
4	N16	-0.	0	-72	0	
5	N22	22.	0	-72.	0	
6	N25	-22.	0	-72.	0	
7	N28A	23.5	0	-72.866025	0	
8	N33	-23.5	0	-72.866025	0	
9	N10	-60.621778	0	35.	0	
10	N11	-62.353829	0	36.	0	
11	N12A	-73.353829	0	16.947441	0	
12	N13A	-51.353829	0	55.052559	0	
13	N14	-74.853829	0	16.081416	0	
14	N15	-51.353829	0	56.78461	0	
15	N17	60.621778	0	35.	0	
16	N18	62.353829	0	36.	0	





**Joint Coordinates and Temperatures (Continued)**

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
17	N19	51.353829	0	55.052559	0	
18	N20	73.353829	0	16.947441	0	
19	N21	51.353829	0	56.78461	0	
20	N22A	74.853829	0	16.081416	0	
21	N23	0.	0	56.78461	0	
22	N24	-76.5	0	56.78461	0	
23	N25A	76.5	0	56.78461	0	
24	N26	49.176915	0	-28.392305	0	
25	N27	87.426915	0	37.858639	0	
26	N28	10.926915	0	-94.643248	0	
27	N29	-49.176915	0	-28.392305	0	
28	N30	-10.926915	0	-94.643248	0	
29	N31	-87.426915	0	37.858639	0	
30	N30A	-16.454483	0	9.5	0	
31	N32	16.454483	0	9.5	0	
32	N32A	72.	0	56.78461	0	
33	N33A	30.	0	56.78461	0	
34	N34	-30.	0	56.78461	0	
35	N35	-72.	0	56.78461	0	
36	N36	72.	0	59.78461	0	
37	N37	30.	0	59.78461	0	
38	N38	-30.	0	59.78461	0	
39	N39	-72.	0	59.78461	0	
40	N40	72.	-42	59.78461	0	
41	N41	30.	-42	59.78461	0	
42	N42	-30.	-42	59.78461	0	
43	N43	-72.	-42	59.78461	0	
44	N44	72.	30	59.78461	0	
45	N45	30.	30	59.78461	0	
46	N46	-30.	42	59.78461	0	
47	N47	-72.	30	59.78461	0	
48	N48	13.176915	0	-90.746134	0	
49	N49	34.176915	0	-54.373067	0	
50	N50	64.176915	0	-2.411543	0	
51	N51	85.176915	0	33.961524	0	
52	N52	15.774991	0	-92.246134	0	
53	N53	36.774991	0	-55.873067	0	
54	N54	66.774991	0	-3.911543	0	
55	N55	87.774991	0	32.461524	0	
56	N56	15.774991	-42	-92.246134	0	
57	N57	36.774991	-42	-55.873067	0	
58	N58	66.774991	-42	-3.911543	0	
59	N59	87.774991	-42	32.461524	0	
60	N60	15.774991	30	-92.246134	0	
61	N61	36.774991	30	-55.873067	0	
62	N62	66.774991	42	-3.911543	0	
63	N63	87.774991	30	32.461524	0	
64	N64	-85.176915	0	33.961524	0	
65	N65	-64.176915	0	-2.411543	0	
66	N66	-34.176915	0	-54.373067	0	
67	N67	-13.176915	0	-90.746134	0	
68	N68	-87.774991	0	32.461524	0	
69	N69	-66.774991	0	-3.911543	0	
70	N70	-36.774991	0	-55.873067	0	
71	N71	-15.774991	0	-92.246134	0	
72	N72	-87.774991	-42	32.461524	0	
73	N73	-66.774991	-42	-3.911543	0	



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

July 13, 2021  
 9:33 AM  
 Checked By: DX

**Joint Coordinates and Temperatures (Continued)**

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
74	N74	-36.774991	-42	-55.873067	0	
75	N75	-15.774991	-42	-92.246134	0	
76	N76	-87.774991	30	32.461524	0	
77	N77	-66.774991	30	-3.911543	0	
78	N78	-36.774991	42	-55.873067	0	
79	N79	-15.774991	30	-92.246134	0	
80	N80	-75.	24	56.78461	0	
81	N81	75.	24	56.78461	0	
82	N82	86.676915	24	36.5596	0	
83	N83	11.676915	24	-93.34421	0	
84	N84	-11.676915	24	-93.34421	0	
85	N85	-86.676915	24	36.5596	0	
86	N86	72.	24	56.78461	0	
87	N87	30.	24	56.78461	0	
88	N88	-30.	24	56.78461	0	
89	N89	-72.	24	56.78461	0	
90	N90	72.	24	59.78461	0	
91	N91	30.	24	59.78461	0	
92	N92	-30.	24	59.78461	0	
93	N93	-72.	24	59.78461	0	
94	N94	13.176915	24	-90.746134	0	
95	N95	34.176915	24	-54.373067	0	
96	N96	64.176915	24	-2.411543	0	
97	N97	85.176915	24	33.961524	0	
98	N98	15.774991	24	-92.246134	0	
99	N99	36.774991	24	-55.873067	0	
100	N100	66.774991	24	-3.911543	0	
101	N101	87.774991	24	32.461524	0	
102	N102	-85.176915	24	33.961524	0	
103	N103	-64.176915	24	-2.411543	0	
104	N104	-34.176915	24	-54.373067	0	
105	N105	-13.176915	24	-90.746134	0	
106	N106	-87.774991	24	32.461524	0	
107	N107	-66.774991	24	-3.911543	0	
108	N108	-36.774991	24	-55.873067	0	
109	N109	-15.774991	24	-92.246134	0	
110	N110	-63.	24	56.78461	0	
111	N111	-63.	24	54.78461	0	
112	N112	63.	24	56.78461	0	
113	N113	63.	24	54.78461	0	
114	N114	80.676915	24	26.167296	0	
115	N115	78.944864	24	27.167296	0	
116	N116	17.676915	24	-82.951905	0	
117	N117	15.944864	24	-81.951905	0	
118	N118	-17.676915	24	-82.951905	0	
119	N119	-15.944864	24	-81.951905	0	
120	N120	-80.676915	24	26.167296	0	
121	N121	-78.944864	24	27.167296	0	
122	N122	-0.	-30	-19.	0	
123	N123	-0.	0	-58.	0	
124	N124	-16.454483	-30	9.5	0	
125	N125	-50.229473	0	29.	0	
126	N126	16.454483	-30	9.5	0	
127	N127	50.229473	0	29.	0	



### Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [i...	Izz [i...	J [in4]
1	Standoff Horizontal	PIPE 4.0	Beam	Pipe	A53 Gr. B	Typical	2.96	6.82	6.82	13.6
2	Cross Member	PIPE 3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
3	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
4	Mount Pipe	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
5	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
6	Support Rail Corn...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
7	Kicker	LL3x3x3x3	Column	Double Angle (3/8 Ga...	A36 Gr.36	Typical	2.18	4.09	1.9	.027

### Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/...	Density[k/ft^3]	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

### Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M8	N13	N16			RIGID	None	None	RIGID	Typical
2	M11	N25	N22			Cross Member	Beam	Pipe	A53 Gr. B	Typical
3	M17	N22	N28A			RIGID	None	None	RIGID	Typical
4	M18A	N25	N33			RIGID	None	None	RIGID	Typical
5	M20A	N12	N13			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
6	M7	N10	N11			RIGID	None	None	RIGID	Typical
7	OVP	N13A	N12A			Cross Member	Beam	Pipe	A53 Gr. B	Typical
8	M10A	N12A	N14			RIGID	None	None	RIGID	Typical
9	M11A	N13A	N15			RIGID	None	None	RIGID	Typical
10	M13	N17	N18			RIGID	None	None	RIGID	Typical
11	M15	N20	N19			Cross Member	Beam	Pipe	A53 Gr. B	Typical
12	M16	N19	N21			RIGID	None	None	RIGID	Typical
13	M17A	N20	N22A			RIGID	None	None	RIGID	Typical
14	FACE	N24	N25A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
15	M20	N27	N28			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
16	M21	N30	N31			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
17	M20B	N30A	N10			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
18	M21A	N32	N17			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
19	M19A	N35	N39			RIGID	None	None	RIGID	Typical
20	LIVE1	N34	N38			RIGID	None	None	RIGID	Typical
21	LIVE2	N33A	N37			RIGID	None	None	RIGID	Typical
22	M22	N32A	N36			RIGID	None	None	RIGID	Typical
23	MP4A	N47	N43			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
24	MP3A	N46	N42			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
25	MP2A	N45	N41			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
26	MP1A	N44	N40			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
27	M27	N51	N55			RIGID	None	None	RIGID	Typical
28	M28	N50	N54			RIGID	None	None	RIGID	Typical
29	M29	N49	N53			RIGID	None	None	RIGID	Typical
30	M30	N48	N52			RIGID	None	None	RIGID	Typical
31	MP4C	N63	N59			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
32	MP3C	N62	N58			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
33	MP2C	N61	N57			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
34	MP1C	N60	N56			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical

**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
35	M35	N67	N71			RIGID	None	None	RIGID	Typical
36	M36	N66	N70			RIGID	None	None	RIGID	Typical
37	M37	N65	N69			RIGID	None	None	RIGID	Typical
38	M38	N64	N68			RIGID	None	None	RIGID	Typical
39	MP4B	N79	N75			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
40	MP3B	N78	N74			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
41	MP2B	N77	N73			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
42	MP1B	N76	N72			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
43	M43	N80	N81			Support Rail	Beam	Pipe	A53 Gr. B	Typical
44	M44	N82	N83			Support Rail	Beam	Pipe	A53 Gr. B	Typical
45	M45	N84	N85			Support Rail	Beam	Pipe	A53 Gr. B	Typical
46	M46	N89	N93			RIGID	None	None	RIGID	Typical
47	M47	N88	N92			RIGID	None	None	RIGID	Typical
48	M48	N87	N91			RIGID	None	None	RIGID	Typical
49	M49	N86	N90			RIGID	None	None	RIGID	Typical
50	M50	N97	N101			RIGID	None	None	RIGID	Typical
51	M51	N96	N100			RIGID	None	None	RIGID	Typical
52	M52	N95	N99			RIGID	None	None	RIGID	Typical
53	M53	N94	N98			RIGID	None	None	RIGID	Typical
54	M54	N105	N109			RIGID	None	None	RIGID	Typical
55	M55	N104	N108			RIGID	None	None	RIGID	Typical
56	M56	N103	N107			RIGID	None	None	RIGID	Typical
57	M57	N102	N106			RIGID	None	None	RIGID	Typical
58	M58	N110	N111			RIGID	None	None	RIGID	Typical
59	M59	N112	N113			RIGID	None	None	RIGID	Typical
60	M60	N114	N115			RIGID	None	None	RIGID	Typical
61	M61	N116	N117			RIGID	None	None	RIGID	Typical
62	M62	N118	N119			RIGID	None	None	RIGID	Typical
63	M63	N120	N121			RIGID	None	None	RIGID	Typical
64	M64	N111	N121		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
65	M65	N119	N117		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
66	M66	N115	N113		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
67	M67	N123	N122			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
68	M68	N125	N124			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
69	M69	N127	N126			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical

**Hot Rolled Steel Design Parameters**

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp t...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Function
1	M11	Cross Member	44			Lbyy						Lateral
2	M20A	Standoff Horizontal	51			Lbyy						Lateral
3	OVP	Cross Member	44			Lbyy						Lateral
4	M15	Cross Member	44			Lbyy						Lateral
5	FACE	Face Horizontal	153			Lbyy						Lateral
6	M20	Face Horizontal	153			Lbyy						Lateral
7	M21	Face Horizontal	153			Lbyy						Lateral
8	M20B	Standoff Horizontal	51			Lbyy						Lateral
9	M21A	Standoff Horizontal	51			Lbyy						Lateral
10	MP4A	Mount Pipe	72			Lbyy						Lateral
11	MP3A	Mount Pipe	84			Lbyy						Lateral
12	MP2A	Mount Pipe	72			Lbyy						Lateral
13	MP1A	Mount Pipe	72			Lbyy						Lateral
14	MP4C	Mount Pipe	72			Lbyy						Lateral
15	MP3C	Mount Pipe	84			Lbyy						Lateral
16	MP2C	Mount Pipe	72			Lbyy						Lateral
17	MP1C	Mount Pipe	72			Lbyy						Lateral



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

Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp t...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Function
18	MP4B	Mount Pipe	72				Lbyy				Lateral
19	MP3B	Mount Pipe	84				Lbyy				Lateral
20	MP2B	Mount Pipe	72				Lbyy				Lateral
21	MP1B	Mount Pipe	72				Lbyy				Lateral
22	M43	Support Rail	150				Lbyy				Lateral
23	M44	Support Rail	150				Lbyy				Lateral
24	M45	Support Rail	150				Lbyy				Lateral
25	M64	Support Rail Corner	31.89				Lbyy				Lateral
26	M65	Support Rail Corner	31.89				Lbyy				Lateral
27	M66	Support Rail Corner	31.89				Lbyy				Lateral
28	M67	Kicker	49.204								Lateral
29	M68	Kicker	49.204								Lateral
30	M69	Kicker	49.204								Lateral

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]	
1	MP3A	Y	-43.55	12
2	MP3A	My	-.022	12
3	MP3A	Mz	0	12
4	MP3A	Y	-43.55	24
5	MP3A	My	-.022	24
6	MP3A	Mz	0	24
7	MP3B	Y	-43.55	12
8	MP3B	My	.014	12
9	MP3B	Mz	-.017	12
10	MP3B	Y	-43.55	24
11	MP3B	My	.014	24
12	MP3B	Mz	-.017	24
13	MP3C	Y	-43.55	12
14	MP3C	My	.004	12
15	MP3C	Mz	.021	12
16	MP3C	Y	-43.55	24
17	MP3C	My	.004	24
18	MP3C	Mz	.021	24
19	MP3A	Y	-4.4	60
20	MP3A	My	-.002	60
21	MP3A	Mz	0	60
22	MP3B	Y	-4.4	60
23	MP3B	My	.001	60
24	MP3B	Mz	-.002	60
25	MP3C	Y	-4.4	60
26	MP3C	My	.000382	60
27	MP3C	Mz	.002	60
28	MP2A	Y	-84.4	18
29	MP2A	My	.042	18
30	MP2A	Mz	0	18
31	MP2B	Y	-84.4	18
32	MP2B	My	-.027	18
33	MP2B	Mz	.032	18
34	MP2C	Y	-84.4	18
35	MP2C	My	-.007	18
36	MP2C	Mz	-.042	18
37	MP3A	Y	-70.3	18
38	MP3A	My	.035	18
39	MP3A	Mz	0	18



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
40	MP3B	Y	-70.3	18
41	MP3B	My	-.023	18
42	MP3B	Mz	.027	18
43	MP3C	Y	-70.3	18
44	MP3C	My	-.006	18
45	MP3C	Mz	-.035	18
46	MP2A	Y	-31.65	6
47	MP2A	My	-.016	6
48	MP2A	Mz	.018	6
49	MP2A	Y	-31.65	54
50	MP2A	My	-.016	54
51	MP2A	Mz	.018	54
52	MP2B	Y	-31.65	6
53	MP2B	My	-.004	6
54	MP2B	Mz	-.024	6
55	MP2B	Y	-31.65	54
56	MP2B	My	-.004	54
57	MP2B	Mz	-.024	54
58	MP2C	Y	-31.65	6
59	MP2C	My	.021	6
60	MP2C	Mz	.012	6
61	MP2C	Y	-31.65	54
62	MP2C	My	.021	54
63	MP2C	Mz	.012	54
64	MP2A	Y	-31.65	6
65	MP2A	My	-.016	6
66	MP2A	Mz	-.018	6
67	MP2A	Y	-31.65	54
68	MP2A	My	-.016	54
69	MP2A	Mz	-.018	54
70	MP2B	Y	-31.65	6
71	MP2B	My	.024	6
72	MP2B	Mz	-.000255	6
73	MP2B	Y	-31.65	54
74	MP2B	My	.024	54
75	MP2B	Mz	-.000255	54
76	MP2C	Y	-31.65	6
77	MP2C	My	-.015	6
78	MP2C	Mz	.019	6
79	MP2C	Y	-31.65	54
80	MP2C	My	-.015	54
81	MP2C	Mz	.019	54
82	MP2A	Y	-20.8	48
83	MP2A	My	.01	48
84	MP2A	Mz	0	48
85	MP2B	Y	-20.8	48
86	MP2B	My	-.007	48
87	MP2B	Mz	.008	48
88	MP2C	Y	-20.8	48
89	MP2C	My	-.002	48
90	MP2C	Mz	-.01	48
91	OVP	Y	-32	12
92	OVP	My	0	12
93	OVP	Mz	0	12

**Member Point Loads (BLC 2 : Antenna Di)**

	Member Label	Direction	Magnitude[lb.k.ft]	Location[in.%]
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**Member Point Loads (BLC 2 : Antenna Di) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	Y	-63.391	12
2	MP3A	My	-.032	12
3	MP3A	Mz	0	12
4	MP3A	Y	-63.391	24
5	MP3A	My	-.032	24
6	MP3A	Mz	0	24
7	MP3B	Y	-63.391	12
8	MP3B	My	.02	12
9	MP3B	Mz	-.024	12
10	MP3B	Y	-63.391	24
11	MP3B	My	.02	24
12	MP3B	Mz	-.024	24
13	MP3C	Y	-63.391	12
14	MP3C	My	.006	12
15	MP3C	Mz	.031	12
16	MP3C	Y	-63.391	24
17	MP3C	My	.006	24
18	MP3C	Mz	.031	24
19	MP3A	Y	-26.143	60
20	MP3A	My	-.013	60
21	MP3A	Mz	0	60
22	MP3B	Y	-26.143	60
23	MP3B	My	.008	60
24	MP3B	Mz	-.01	60
25	MP3C	Y	-26.143	60
26	MP3C	My	.002	60
27	MP3C	Mz	.013	60
28	MP2A	Y	-80.768	18
29	MP2A	My	.04	18
30	MP2A	Mz	0	18
31	MP2B	Y	-80.768	18
32	MP2B	My	-.026	18
33	MP2B	Mz	.031	18
34	MP2C	Y	-80.768	18
35	MP2C	My	-.007	18
36	MP2C	Mz	-.04	18
37	MP3A	Y	-73.009	18
38	MP3A	My	.037	18
39	MP3A	Mz	0	18
40	MP3B	Y	-73.009	18
41	MP3B	My	-.023	18
42	MP3B	Mz	.028	18
43	MP3C	Y	-73.009	18
44	MP3C	My	-.006	18
45	MP3C	Mz	-.036	18
46	MP2A	Y	-122.941	6
47	MP2A	My	-.061	6
48	MP2A	Mz	.072	6
49	MP2A	Y	-122.941	54
50	MP2A	My	-.061	54
51	MP2A	Mz	.072	54
52	MP2B	Y	-122.941	6
53	MP2B	My	-.015	6
54	MP2B	Mz	-.093	6
55	MP2B	Y	-122.941	54
56	MP2B	My	-.015	54
57	MP2B	Mz	-.093	54



**Member Point Loads (BLC 2 : Antenna Di) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
58	MP2C	Y	-122.941	6
59	MP2C	My	.081	6
60	MP2C	Mz	.048	6
61	MP2C	Y	-122.941	54
62	MP2C	My	.081	54
63	MP2C	Mz	.048	54
64	MP2A	Y	-122.941	6
65	MP2A	My	-.061	6
66	MP2A	Mz	-.072	6
67	MP2A	Y	-122.941	54
68	MP2A	My	-.061	54
69	MP2A	Mz	-.072	54
70	MP2B	Y	-122.941	6
71	MP2B	My	.094	6
72	MP2B	Mz	-.000991	6
73	MP2B	Y	-122.941	54
74	MP2B	My	.094	54
75	MP2B	Mz	-.000991	54
76	MP2C	Y	-122.941	6
77	MP2C	My	-.06	6
78	MP2C	Mz	.073	6
79	MP2C	Y	-122.941	54
80	MP2C	My	-.06	54
81	MP2C	Mz	.073	54
82	MP2A	Y	-21.03	48
83	MP2A	My	.011	48
84	MP2A	Mz	0	48
85	MP2B	Y	-21.03	48
86	MP2B	My	-.007	48
87	MP2B	Mz	.008	48
88	MP2C	Y	-21.03	48
89	MP2C	My	-.002	48
90	MP2C	Mz	-.01	48
91	OVP	Y	-154.671	12
92	OVP	My	0	12
93	OVP	Mz	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	0	12
2	MP3A	Z	-101.699	12
3	MP3A	Mx	0	12
4	MP3A	X	0	24
5	MP3A	Z	-101.699	24
6	MP3A	Mx	0	24
7	MP3B	X	0	12
8	MP3B	Z	-65.384	12
9	MP3B	Mx	.025	12
10	MP3B	X	0	24
11	MP3B	Z	-65.384	24
12	MP3B	Mx	.025	24
13	MP3C	X	0	12
14	MP3C	Z	-41.681	12
15	MP3C	Mx	-.021	12
16	MP3C	X	0	24
17	MP3C	Z	-41.681	24





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
18	MP3C	Mx	-.021	24
19	MP3A	X	0	60
20	MP3A	Z	-38.516	60
21	MP3A	Mx	0	60
22	MP3B	X	0	60
23	MP3B	Z	-20.346	60
24	MP3B	Mx	.008	60
25	MP3C	X	0	60
26	MP3C	Z	-8.487	60
27	MP3C	Mx	-.004	60
28	MP2A	X	0	18
29	MP2A	Z	-80.927	18
30	MP2A	Mx	0	18
31	MP2B	X	0	18
32	MP2B	Z	-65.182	18
33	MP2B	Mx	-.025	18
34	MP2C	X	0	18
35	MP2C	Z	-54.905	18
36	MP2C	Mx	.027	18
37	MP3A	X	0	18
38	MP3A	Z	-80.927	18
39	MP3A	Mx	0	18
40	MP3B	X	0	18
41	MP3B	Z	-59.15	18
42	MP3B	Mx	-.023	18
43	MP3C	X	0	18
44	MP3C	Z	-44.936	18
45	MP3C	Mx	.022	18
46	MP2A	X	0	6
47	MP2A	Z	-197.124	6
48	MP2A	Mx	-.115	6
49	MP2A	X	0	54
50	MP2A	Z	-197.124	54
51	MP2A	Mx	-.115	54
52	MP2B	X	0	6
53	MP2B	Z	-157.422	6
54	MP2B	Mx	.119	6
55	MP2B	X	0	54
56	MP2B	Z	-157.422	54
57	MP2B	Mx	.119	54
58	MP2C	X	0	6
59	MP2C	Z	-131.509	6
60	MP2C	Mx	-.051	6
61	MP2C	X	0	54
62	MP2C	Z	-131.509	54
63	MP2C	Mx	-.051	54
64	MP2A	X	0	6
65	MP2A	Z	-197.124	6
66	MP2A	Mx	.115	6
67	MP2A	X	0	54
68	MP2A	Z	-197.124	54
69	MP2A	Mx	.115	54
70	MP2B	X	0	6
71	MP2B	Z	-157.422	6
72	MP2B	Mx	.001	6
73	MP2B	X	0	54
74	MP2B	Z	-157.422	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
75	MP2B	Mx	.001	54
76	MP2C	X	0	6
77	MP2C	Z	-131.509	6
78	MP2C	Mx	-.078	6
79	MP2C	X	0	54
80	MP2C	Z	-131.509	54
81	MP2C	Mx	-.078	54
82	MP2A	X	0	48
83	MP2A	Z	-16.012	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48
86	MP2B	Z	-13.117	48
87	MP2B	Mx	-.005	48
88	MP2C	X	0	48
89	MP2C	Z	-11.228	48
90	MP2C	Mx	.006	48
91	OVP	X	0	12
92	OVP	Z	-134.049	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	43.114	12
2	MP3A	Z	-74.676	12
3	MP3A	Mx	-.022	12
4	MP3A	X	43.114	24
5	MP3A	Z	-74.676	24
6	MP3A	Mx	-.022	24
7	MP3B	X	20.841	12
8	MP3B	Z	-36.097	12
9	MP3B	Mx	.021	12
10	MP3B	X	20.841	24
11	MP3B	Z	-36.097	24
12	MP3B	Mx	.021	24
13	MP3C	X	32.692	12
14	MP3C	Z	-56.624	12
15	MP3C	Mx	-.025	12
16	MP3C	X	32.692	24
17	MP3C	Z	-56.624	24
18	MP3C	Mx	-.025	24
19	MP3A	X	15.388	60
20	MP3A	Z	-26.652	60
21	MP3A	Mx	-.008	60
22	MP3B	X	4.243	60
23	MP3B	Z	-7.35	60
24	MP3B	Mx	.004	60
25	MP3C	X	10.173	60
26	MP3C	Z	-17.62	60
27	MP3C	Mx	-.008	60
28	MP2A	X	37.109	18
29	MP2A	Z	-64.276	18
30	MP2A	Mx	.019	18
31	MP2B	X	27.452	18
32	MP2B	Z	-47.549	18
33	MP2B	Mx	-.027	18
34	MP2C	X	32.591	18



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]	
35	MP2C	Z	-56.449	18
36	MP2C	Mx	.025	18
37	MP3A	X	35.825	18
38	MP3A	Z	-62.05	18
39	MP3A	Mx	.018	18
40	MP3B	X	22.468	18
41	MP3B	Z	-38.916	18
42	MP3B	Mx	-.022	18
43	MP3C	X	29.575	18
44	MP3C	Z	-51.225	18
45	MP3C	Mx	.023	18
46	MP2A	X	90.105	6
47	MP2A	Z	-156.066	6
48	MP2A	Mx	-.136	6
49	MP2A	X	90.105	54
50	MP2A	Z	-156.066	54
51	MP2A	Mx	-.136	54
52	MP2B	X	65.754	6
53	MP2B	Z	-113.89	6
54	MP2B	Mx	.078	6
55	MP2B	X	65.754	54
56	MP2B	Z	-113.89	54
57	MP2B	Mx	.078	54
58	MP2C	X	78.711	6
59	MP2C	Z	-136.331	6
60	MP2C	Mx	-.001	6
61	MP2C	X	78.711	54
62	MP2C	Z	-136.331	54
63	MP2C	Mx	-.001	54
64	MP2A	X	90.105	6
65	MP2A	Z	-156.066	6
66	MP2A	Mx	.046	6
67	MP2A	X	90.105	54
68	MP2A	Z	-156.066	54
69	MP2A	Mx	.046	54
70	MP2B	X	65.754	6
71	MP2B	Z	-113.89	6
72	MP2B	Mx	.051	6
73	MP2B	X	65.754	54
74	MP2B	Z	-113.89	54
75	MP2B	Mx	.051	54
76	MP2C	X	78.711	6
77	MP2C	Z	-136.331	6
78	MP2C	Mx	-.119	6
79	MP2C	X	78.711	54
80	MP2C	Z	-136.331	54
81	MP2C	Mx	-.119	54
82	MP2A	X	7.389	48
83	MP2A	Z	-12.799	48
84	MP2A	Mx	.004	48
85	MP2B	X	5.614	48
86	MP2B	Z	-9.723	48
87	MP2B	Mx	-.006	48
88	MP2C	X	6.559	48
89	MP2C	Z	-11.36	48
90	MP2C	Mx	.005	48
91	OVP	X	72.231	12



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

July 13, 2021  
 9:33 AM  
 Checked By: DX

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
92	OVP	Z	-125.108	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
1	MP3A	X	47.879	12
2	MP3A	Z	-27.643	12
3	MP3A	Mx	-.024	12
4	MP3A	X	47.879	24
5	MP3A	Z	-27.643	24
6	MP3A	Mx	-.024	24
7	MP3B	X	40.75	12
8	MP3B	Z	-23.527	12
9	MP3B	Mx	.022	12
10	MP3B	X	40.75	24
11	MP3B	Z	-23.527	24
12	MP3B	Mx	.022	24
13	MP3C	X	81.805	12
14	MP3C	Z	-47.23	12
15	MP3C	Mx	-.016	12
16	MP3C	X	81.805	24
17	MP3C	Z	-47.23	24
18	MP3C	Mx	-.016	24
19	MP3A	X	13.245	60
20	MP3A	Z	-7.647	60
21	MP3A	Mx	-.007	60
22	MP3B	X	9.678	60
23	MP3B	Z	-5.588	60
24	MP3B	Mx	.005	60
25	MP3C	X	30.219	60
26	MP3C	Z	-17.447	60
27	MP3C	Mx	-.006	60
28	MP2A	X	52.657	18
29	MP2A	Z	-30.402	18
30	MP2A	Mx	.026	18
31	MP2B	X	49.566	18
32	MP2B	Z	-28.617	18
33	MP2B	Mx	-.027	18
34	MP2C	X	67.367	18
35	MP2C	Z	-38.894	18
36	MP2C	Mx	.013	18
37	MP3A	X	45.981	18
38	MP3A	Z	-26.547	18
39	MP3A	Mx	.023	18
40	MP3B	X	41.706	18
41	MP3B	Z	-24.079	18
42	MP3B	Mx	-.023	18
43	MP3C	X	66.325	18
44	MP3C	Z	-38.293	18
45	MP3C	Mx	.013	18
46	MP2A	X	126.771	6
47	MP2A	Z	-73.191	6
48	MP2A	Mx	-.106	6
49	MP2A	X	126.771	54
50	MP2A	Z	-73.191	54
51	MP2A	Mx	-.106	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
52	MP2B	X	118.977	6
53	MP2B	Z	-68.691	6
54	MP2B	Mx	.037	6
55	MP2B	X	118.977	54
56	MP2B	Z	-68.691	54
57	MP2B	Mx	.037	54
58	MP2C	X	163.86	6
59	MP2C	Z	-94.605	6
60	MP2C	Mx	.071	6
61	MP2C	X	163.86	54
62	MP2C	Z	-94.605	54
63	MP2C	Mx	.071	54
64	MP2A	X	126.771	6
65	MP2A	Z	-73.191	6
66	MP2A	Mx	-.021	6
67	MP2A	X	126.771	54
68	MP2A	Z	-73.191	54
69	MP2A	Mx	-.021	54
70	MP2B	X	118.977	6
71	MP2B	Z	-68.691	6
72	MP2B	Mx	.092	6
73	MP2B	X	118.977	54
74	MP2B	Z	-68.691	54
75	MP2B	Mx	.092	54
76	MP2C	X	163.86	6
77	MP2C	Z	-94.605	6
78	MP2C	Mx	-.136	6
79	MP2C	X	163.86	54
80	MP2C	Z	-94.605	54
81	MP2C	Mx	-.136	54
82	MP2A	X	10.663	48
83	MP2A	Z	-6.156	48
84	MP2A	Mx	.005	48
85	MP2B	X	10.094	48
86	MP2B	Z	-5.828	48
87	MP2B	Mx	-.005	48
88	MP2C	X	13.367	48
89	MP2C	Z	-7.718	48
90	MP2C	Mx	.003	48
91	OVP	X	143.144	12
92	OVP	Z	-82.644	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	39.815	12
2	MP3A	Z	0	12
3	MP3A	Mx	-.02	12
4	MP3A	X	39.815	24
5	MP3A	Z	0	24
6	MP3A	Mx	-.02	24
7	MP3B	X	76.13	12
8	MP3B	Z	0	12
9	MP3B	Mx	.024	12
10	MP3B	X	76.13	24
11	MP3B	Z	0	24



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
12	MP3B	Mx	.024	24
13	MP3C	X	99.833	12
14	MP3C	Z	0	12
15	MP3C	Mx	.009	12
16	MP3C	X	99.833	24
17	MP3C	Z	0	24
18	MP3C	Mx	.009	24
19	MP3A	X	7.553	60
20	MP3A	Z	0	60
21	MP3A	Mx	-.004	60
22	MP3B	X	25.723	60
23	MP3B	Z	0	60
24	MP3B	Mx	.008	60
25	MP3C	X	37.582	60
26	MP3C	Z	0	60
27	MP3C	Mx	.003	60
28	MP2A	X	54.095	18
29	MP2A	Z	0	18
30	MP2A	Mx	.027	18
31	MP2B	X	69.841	18
32	MP2B	Z	0	18
33	MP2B	Mx	-.022	18
34	MP2C	X	80.118	18
35	MP2C	Z	0	18
36	MP2C	Mx	-.007	18
37	MP3A	X	43.817	18
38	MP3A	Z	0	18
39	MP3A	Mx	.022	18
40	MP3B	X	65.594	18
41	MP3B	Z	0	18
42	MP3B	Mx	-.021	18
43	MP3C	X	79.808	18
44	MP3C	Z	0	18
45	MP3C	Mx	-.007	18
46	MP2A	X	129.468	6
47	MP2A	Z	0	6
48	MP2A	Mx	-.065	6
49	MP2A	X	129.468	54
50	MP2A	Z	0	54
51	MP2A	Mx	-.065	54
52	MP2B	X	169.17	6
53	MP2B	Z	0	6
54	MP2B	Mx	-.021	6
55	MP2B	X	169.17	54
56	MP2B	Z	0	54
57	MP2B	Mx	-.021	54
58	MP2C	X	195.084	6
59	MP2C	Z	0	6
60	MP2C	Mx	.129	6
61	MP2C	X	195.084	54
62	MP2C	Z	0	54
63	MP2C	Mx	.129	54
64	MP2A	X	129.468	6
65	MP2A	Z	0	6
66	MP2A	Mx	-.065	6
67	MP2A	X	129.468	54
68	MP2A	Z	0	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
69	MP2A	Mx	-.065	54
70	MP2B	X	169.17	6
71	MP2B	Z	0	6
72	MP2B	Mx	.13	6
73	MP2B	X	169.17	54
74	MP2B	Z	0	54
75	MP2B	Mx	.13	54
76	MP2C	X	195.084	6
77	MP2C	Z	0	6
78	MP2C	Mx	-.095	6
79	MP2C	X	195.084	54
80	MP2C	Z	0	54
81	MP2C	Mx	-.095	54
82	MP2A	X	11.079	48
83	MP2A	Z	0	48
84	MP2A	Mx	.006	48
85	MP2B	X	13.974	48
86	MP2B	Z	0	48
87	MP2B	Mx	-.004	48
88	MP2C	X	15.863	48
89	MP2C	Z	0	48
90	MP2C	Mx	-.001	48
91	OVP	X	175.702	12
92	OVP	Z	0	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
1	MP3A	X	47.879	12
2	MP3A	Z	27.643	12
3	MP3A	Mx	-.024	12
4	MP3A	X	47.879	24
5	MP3A	Z	27.643	24
6	MP3A	Mx	-.024	24
7	MP3B	X	86.458	12
8	MP3B	Z	49.917	12
9	MP3B	Mx	.009	12
10	MP3B	X	86.458	24
11	MP3B	Z	49.917	24
12	MP3B	Mx	.009	24
13	MP3C	X	65.931	12
14	MP3C	Z	38.065	12
15	MP3C	Mx	.024	12
16	MP3C	X	65.931	24
17	MP3C	Z	38.065	24
18	MP3C	Mx	.024	24
19	MP3A	X	13.245	60
20	MP3A	Z	7.647	60
21	MP3A	Mx	-.007	60
22	MP3B	X	32.547	60
23	MP3B	Z	18.791	60
24	MP3B	Mx	.003	60
25	MP3C	X	22.277	60
26	MP3C	Z	12.861	60
27	MP3C	Mx	.008	60
28	MP2A	X	52.657	18



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
29	MP2A	Z	30.402	18
30	MP2A	Mx	.026	18
31	MP2B	X	69.384	18
32	MP2B	Z	40.059	18
33	MP2B	Mx	-.007	18
34	MP2C	X	60.484	18
35	MP2C	Z	34.92	18
36	MP2C	Mx	-.022	18
37	MP3A	X	45.981	18
38	MP3A	Z	26.547	18
39	MP3A	Mx	.023	18
40	MP3B	X	69.116	18
41	MP3B	Z	39.904	18
42	MP3B	Mx	-.007	18
43	MP3C	X	56.806	18
44	MP3C	Z	32.797	18
45	MP3C	Mx	-.021	18
46	MP2A	X	126.771	6
47	MP2A	Z	73.191	6
48	MP2A	Mx	-.021	6
49	MP2A	X	126.771	54
50	MP2A	Z	73.191	54
51	MP2A	Mx	-.021	54
52	MP2B	X	168.948	6
53	MP2B	Z	97.542	6
54	MP2B	Mx	-.095	6
55	MP2B	X	168.948	54
56	MP2B	Z	97.542	54
57	MP2B	Mx	-.095	54
58	MP2C	X	146.506	6
59	MP2C	Z	84.585	6
60	MP2C	Mx	.13	6
61	MP2C	X	146.506	54
62	MP2C	Z	84.585	54
63	MP2C	Mx	.13	54
64	MP2A	X	126.771	6
65	MP2A	Z	73.191	6
66	MP2A	Mx	-.106	6
67	MP2A	X	126.771	54
68	MP2A	Z	73.191	54
69	MP2A	Mx	-.106	54
70	MP2B	X	168.948	6
71	MP2B	Z	97.542	6
72	MP2B	Mx	.129	6
73	MP2B	X	168.948	54
74	MP2B	Z	97.542	54
75	MP2B	Mx	.129	54
76	MP2C	X	146.506	6
77	MP2C	Z	84.585	6
78	MP2C	Mx	-.021	6
79	MP2C	X	146.506	54
80	MP2C	Z	84.585	54
81	MP2C	Mx	-.021	54
82	MP2A	X	10.663	48
83	MP2A	Z	6.156	48
84	MP2A	Mx	.005	48
85	MP2B	X	13.738	48





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
86	MP2B	Z	7.932	48
87	MP2B	Mx	-0.01	48
88	MP2C	X	12.102	48
89	MP2C	Z	6.987	48
90	MP2C	Mx	-0.04	48
91	OVP	X	143.144	12
92	OVP	Z	82.644	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	43.114	12
2	MP3A	Z	74.676	12
3	MP3A	Mx	-0.22	12
4	MP3A	X	43.114	24
5	MP3A	Z	74.676	24
6	MP3A	Mx	-0.22	24
7	MP3B	X	47.23	12
8	MP3B	Z	81.805	12
9	MP3B	Mx	-0.16	12
10	MP3B	X	47.23	24
11	MP3B	Z	81.805	24
12	MP3B	Mx	-0.16	24
13	MP3C	X	23.527	12
14	MP3C	Z	40.75	12
15	MP3C	Mx	.022	12
16	MP3C	X	23.527	24
17	MP3C	Z	40.75	24
18	MP3C	Mx	.022	24
19	MP3A	X	15.388	60
20	MP3A	Z	26.652	60
21	MP3A	Mx	-0.08	60
22	MP3B	X	17.447	60
23	MP3B	Z	30.219	60
24	MP3B	Mx	-0.06	60
25	MP3C	X	5.588	60
26	MP3C	Z	9.678	60
27	MP3C	Mx	.005	60
28	MP2A	X	37.109	18
29	MP2A	Z	64.276	18
30	MP2A	Mx	.019	18
31	MP2B	X	38.894	18
32	MP2B	Z	67.367	18
33	MP2B	Mx	.013	18
34	MP2C	X	28.617	18
35	MP2C	Z	49.566	18
36	MP2C	Mx	-0.27	18
37	MP3A	X	35.825	18
38	MP3A	Z	62.05	18
39	MP3A	Mx	.018	18
40	MP3B	X	38.293	18
41	MP3B	Z	66.325	18
42	MP3B	Mx	.013	18
43	MP3C	X	24.079	18
44	MP3C	Z	41.706	18
45	MP3C	Mx	-0.23	18



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
46	MP2A	X	90.105	6
47	MP2A	Z	156.066	6
48	MP2A	Mx	.046	6
49	MP2A	X	90.105	54
50	MP2A	Z	156.066	54
51	MP2A	Mx	.046	54
52	MP2B	X	94.605	6
53	MP2B	Z	163.86	6
54	MP2B	Mx	-.136	6
55	MP2B	X	94.605	54
56	MP2B	Z	163.86	54
57	MP2B	Mx	-.136	54
58	MP2C	X	68.691	6
59	MP2C	Z	118.977	6
60	MP2C	Mx	.092	6
61	MP2C	X	68.691	54
62	MP2C	Z	118.977	54
63	MP2C	Mx	.092	54
64	MP2A	X	90.105	6
65	MP2A	Z	156.066	6
66	MP2A	Mx	-.136	6
67	MP2A	X	90.105	54
68	MP2A	Z	156.066	54
69	MP2A	Mx	-.136	54
70	MP2B	X	94.605	6
71	MP2B	Z	163.86	6
72	MP2B	Mx	.071	6
73	MP2B	X	94.605	54
74	MP2B	Z	163.86	54
75	MP2B	Mx	.071	54
76	MP2C	X	68.691	6
77	MP2C	Z	118.977	6
78	MP2C	Mx	.037	6
79	MP2C	X	68.691	54
80	MP2C	Z	118.977	54
81	MP2C	Mx	.037	54
82	MP2A	X	7.389	48
83	MP2A	Z	12.799	48
84	MP2A	Mx	.004	48
85	MP2B	X	7.718	48
86	MP2B	Z	13.367	48
87	MP2B	Mx	.003	48
88	MP2C	X	5.828	48
89	MP2C	Z	10.094	48
90	MP2C	Mx	-.005	48
91	OVP	X	72.231	12
92	OVP	Z	125.108	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	0	12
2	MP3A	Z	101.699	12
3	MP3A	Mx	0	12
4	MP3A	X	0	24
5	MP3A	Z	101.699	24



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]	
6	MP3A	Mx	0	24
7	MP3B	X	0	12
8	MP3B	Z	65.384	12
9	MP3B	Mx	-.025	12
10	MP3B	X	0	24
11	MP3B	Z	65.384	24
12	MP3B	Mx	-.025	24
13	MP3C	X	0	12
14	MP3C	Z	41.681	12
15	MP3C	Mx	.021	12
16	MP3C	X	0	24
17	MP3C	Z	41.681	24
18	MP3C	Mx	.021	24
19	MP3A	X	0	60
20	MP3A	Z	38.516	60
21	MP3A	Mx	0	60
22	MP3B	X	0	60
23	MP3B	Z	20.346	60
24	MP3B	Mx	-.008	60
25	MP3C	X	0	60
26	MP3C	Z	8.487	60
27	MP3C	Mx	.004	60
28	MP2A	X	0	18
29	MP2A	Z	80.927	18
30	MP2A	Mx	0	18
31	MP2B	X	0	18
32	MP2B	Z	65.182	18
33	MP2B	Mx	.025	18
34	MP2C	X	0	18
35	MP2C	Z	54.905	18
36	MP2C	Mx	-.027	18
37	MP3A	X	0	18
38	MP3A	Z	80.927	18
39	MP3A	Mx	0	18
40	MP3B	X	0	18
41	MP3B	Z	59.15	18
42	MP3B	Mx	.023	18
43	MP3C	X	0	18
44	MP3C	Z	44.936	18
45	MP3C	Mx	-.022	18
46	MP2A	X	0	6
47	MP2A	Z	197.124	6
48	MP2A	Mx	.115	6
49	MP2A	X	0	54
50	MP2A	Z	197.124	54
51	MP2A	Mx	.115	54
52	MP2B	X	0	6
53	MP2B	Z	157.422	6
54	MP2B	Mx	-.119	6
55	MP2B	X	0	54
56	MP2B	Z	157.422	54
57	MP2B	Mx	-.119	54
58	MP2C	X	0	6
59	MP2C	Z	131.509	6
60	MP2C	Mx	.051	6
61	MP2C	X	0	54
62	MP2C	Z	131.509	54

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
63	MP2C	Mx	.051	54
64	MP2A	X	0	6
65	MP2A	Z	197.124	6
66	MP2A	Mx	-.115	6
67	MP2A	X	0	54
68	MP2A	Z	197.124	54
69	MP2A	Mx	-.115	54
70	MP2B	X	0	6
71	MP2B	Z	157.422	6
72	MP2B	Mx	-.001	6
73	MP2B	X	0	54
74	MP2B	Z	157.422	54
75	MP2B	Mx	-.001	54
76	MP2C	X	0	6
77	MP2C	Z	131.509	6
78	MP2C	Mx	.078	6
79	MP2C	X	0	54
80	MP2C	Z	131.509	54
81	MP2C	Mx	.078	54
82	MP2A	X	0	48
83	MP2A	Z	16.012	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48
86	MP2B	Z	13.117	48
87	MP2B	Mx	.005	48
88	MP2C	X	0	48
89	MP2C	Z	11.228	48
90	MP2C	Mx	-.006	48
91	OVP	X	0	12
92	OVP	Z	134.049	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-43.114	12
2	MP3A	Z	74.676	12
3	MP3A	Mx	.022	12
4	MP3A	X	-43.114	24
5	MP3A	Z	74.676	24
6	MP3A	Mx	.022	24
7	MP3B	X	-20.841	12
8	MP3B	Z	36.097	12
9	MP3B	Mx	-.021	12
10	MP3B	X	-20.841	24
11	MP3B	Z	36.097	24
12	MP3B	Mx	-.021	24
13	MP3C	X	-32.692	12
14	MP3C	Z	56.624	12
15	MP3C	Mx	.025	12
16	MP3C	X	-32.692	24
17	MP3C	Z	56.624	24
18	MP3C	Mx	.025	24
19	MP3A	X	-15.388	60
20	MP3A	Z	26.652	60
21	MP3A	Mx	.008	60
22	MP3B	X	-4.243	60



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]	
23	MP3B	Z	7.35	60
24	MP3B	Mx	-0.04	60
25	MP3C	X	-10.173	60
26	MP3C	Z	17.62	60
27	MP3C	Mx	.008	60
28	MP2A	X	-37.109	18
29	MP2A	Z	64.276	18
30	MP2A	Mx	-.019	18
31	MP2B	X	-27.452	18
32	MP2B	Z	47.549	18
33	MP2B	Mx	.027	18
34	MP2C	X	-32.591	18
35	MP2C	Z	56.449	18
36	MP2C	Mx	-.025	18
37	MP3A	X	-35.825	18
38	MP3A	Z	62.05	18
39	MP3A	Mx	-.018	18
40	MP3B	X	-22.468	18
41	MP3B	Z	38.916	18
42	MP3B	Mx	.022	18
43	MP3C	X	-29.575	18
44	MP3C	Z	51.225	18
45	MP3C	Mx	-.023	18
46	MP2A	X	-90.105	6
47	MP2A	Z	156.066	6
48	MP2A	Mx	.136	6
49	MP2A	X	-90.105	54
50	MP2A	Z	156.066	54
51	MP2A	Mx	.136	54
52	MP2B	X	-65.754	6
53	MP2B	Z	113.89	6
54	MP2B	Mx	-.078	6
55	MP2B	X	-65.754	54
56	MP2B	Z	113.89	54
57	MP2B	Mx	-.078	54
58	MP2C	X	-78.711	6
59	MP2C	Z	136.331	6
60	MP2C	Mx	.001	6
61	MP2C	X	-78.711	54
62	MP2C	Z	136.331	54
63	MP2C	Mx	.001	54
64	MP2A	X	-90.105	6
65	MP2A	Z	156.066	6
66	MP2A	Mx	-.046	6
67	MP2A	X	-90.105	54
68	MP2A	Z	156.066	54
69	MP2A	Mx	-.046	54
70	MP2B	X	-65.754	6
71	MP2B	Z	113.89	6
72	MP2B	Mx	-.051	6
73	MP2B	X	-65.754	54
74	MP2B	Z	113.89	54
75	MP2B	Mx	-.051	54
76	MP2C	X	-78.711	6
77	MP2C	Z	136.331	6
78	MP2C	Mx	.119	6
79	MP2C	X	-78.711	54



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

July 13, 2021  
 9:33 AM  
 Checked By: DX

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
80	MP2C	Z	136.331	54
81	MP2C	Mx	.119	54
82	MP2A	X	-7.389	48
83	MP2A	Z	12.799	48
84	MP2A	Mx	-.004	48
85	MP2B	X	-5.614	48
86	MP2B	Z	9.723	48
87	MP2B	Mx	.006	48
88	MP2C	X	-6.559	48
89	MP2C	Z	11.36	48
90	MP2C	Mx	-.005	48
91	OVP	X	-72.231	12
92	OVP	Z	125.108	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP3A	X	-47.879	12
2	MP3A	Z	27.643	12
3	MP3A	Mx	.024	12
4	MP3A	X	-47.879	24
5	MP3A	Z	27.643	24
6	MP3A	Mx	.024	24
7	MP3B	X	-40.75	12
8	MP3B	Z	23.527	12
9	MP3B	Mx	-.022	12
10	MP3B	X	-40.75	24
11	MP3B	Z	23.527	24
12	MP3B	Mx	-.022	24
13	MP3C	X	-81.805	12
14	MP3C	Z	47.23	12
15	MP3C	Mx	.016	12
16	MP3C	X	-81.805	24
17	MP3C	Z	47.23	24
18	MP3C	Mx	.016	24
19	MP3A	X	-13.245	60
20	MP3A	Z	7.647	60
21	MP3A	Mx	.007	60
22	MP3B	X	-9.678	60
23	MP3B	Z	5.588	60
24	MP3B	Mx	-.005	60
25	MP3C	X	-30.219	60
26	MP3C	Z	17.447	60
27	MP3C	Mx	.006	60
28	MP2A	X	-52.657	18
29	MP2A	Z	30.402	18
30	MP2A	Mx	-.026	18
31	MP2B	X	-49.566	18
32	MP2B	Z	28.617	18
33	MP2B	Mx	.027	18
34	MP2C	X	-67.367	18
35	MP2C	Z	38.894	18
36	MP2C	Mx	-.013	18
37	MP3A	X	-45.981	18
38	MP3A	Z	26.547	18
39	MP3A	Mx	-.023	18



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

July 13, 2021  
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**Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
40	MP3B	X	-41.706	18
41	MP3B	Z	24.079	18
42	MP3B	Mx	.023	18
43	MP3C	X	-66.325	18
44	MP3C	Z	38.293	18
45	MP3C	Mx	-.013	18
46	MP2A	X	-126.771	6
47	MP2A	Z	73.191	6
48	MP2A	Mx	.106	6
49	MP2A	X	-126.771	54
50	MP2A	Z	73.191	54
51	MP2A	Mx	.106	54
52	MP2B	X	-118.977	6
53	MP2B	Z	68.691	6
54	MP2B	Mx	-.037	6
55	MP2B	X	-118.977	54
56	MP2B	Z	68.691	54
57	MP2B	Mx	-.037	54
58	MP2C	X	-163.86	6
59	MP2C	Z	94.605	6
60	MP2C	Mx	-.071	6
61	MP2C	X	-163.86	54
62	MP2C	Z	94.605	54
63	MP2C	Mx	-.071	54
64	MP2A	X	-126.771	6
65	MP2A	Z	73.191	6
66	MP2A	Mx	.021	6
67	MP2A	X	-126.771	54
68	MP2A	Z	73.191	54
69	MP2A	Mx	.021	54
70	MP2B	X	-118.977	6
71	MP2B	Z	68.691	6
72	MP2B	Mx	-.092	6
73	MP2B	X	-118.977	54
74	MP2B	Z	68.691	54
75	MP2B	Mx	-.092	54
76	MP2C	X	-163.86	6
77	MP2C	Z	94.605	6
78	MP2C	Mx	.136	6
79	MP2C	X	-163.86	54
80	MP2C	Z	94.605	54
81	MP2C	Mx	.136	54
82	MP2A	X	-10.663	48
83	MP2A	Z	6.156	48
84	MP2A	Mx	-.005	48
85	MP2B	X	-10.094	48
86	MP2B	Z	5.828	48
87	MP2B	Mx	.005	48
88	MP2C	X	-13.367	48
89	MP2C	Z	7.718	48
90	MP2C	Mx	-.003	48
91	OVP	X	-143.144	12
92	OVP	Z	82.644	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
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**Member Point Loads (BLC 12 : Antenna Wo (270 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-39.815	12
2	MP3A	Z	0	12
3	MP3A	Mx	.02	12
4	MP3A	X	-39.815	24
5	MP3A	Z	0	24
6	MP3A	Mx	.02	24
7	MP3B	X	-76.13	12
8	MP3B	Z	0	12
9	MP3B	Mx	-.024	12
10	MP3B	X	-76.13	24
11	MP3B	Z	0	24
12	MP3B	Mx	-.024	24
13	MP3C	X	-99.833	12
14	MP3C	Z	0	12
15	MP3C	Mx	-.009	12
16	MP3C	X	-99.833	24
17	MP3C	Z	0	24
18	MP3C	Mx	-.009	24
19	MP3A	X	-7.553	60
20	MP3A	Z	0	60
21	MP3A	Mx	.004	60
22	MP3B	X	-25.723	60
23	MP3B	Z	0	60
24	MP3B	Mx	-.008	60
25	MP3C	X	-37.582	60
26	MP3C	Z	0	60
27	MP3C	Mx	-.003	60
28	MP2A	X	-54.095	18
29	MP2A	Z	0	18
30	MP2A	Mx	-.027	18
31	MP2B	X	-69.841	18
32	MP2B	Z	0	18
33	MP2B	Mx	.022	18
34	MP2C	X	-80.118	18
35	MP2C	Z	0	18
36	MP2C	Mx	.007	18
37	MP3A	X	-43.817	18
38	MP3A	Z	0	18
39	MP3A	Mx	-.022	18
40	MP3B	X	-65.594	18
41	MP3B	Z	0	18
42	MP3B	Mx	.021	18
43	MP3C	X	-79.808	18
44	MP3C	Z	0	18
45	MP3C	Mx	.007	18
46	MP2A	X	-129.468	6
47	MP2A	Z	0	6
48	MP2A	Mx	.065	6
49	MP2A	X	-129.468	54
50	MP2A	Z	0	54
51	MP2A	Mx	.065	54
52	MP2B	X	-169.17	6
53	MP2B	Z	0	6
54	MP2B	Mx	.021	6
55	MP2B	X	-169.17	54
56	MP2B	Z	0	54
57	MP2B	Mx	.021	54





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
58	MP2C	X	-195.084	6
59	MP2C	Z	0	6
60	MP2C	Mx	-.129	6
61	MP2C	X	-195.084	54
62	MP2C	Z	0	54
63	MP2C	Mx	-.129	54
64	MP2A	X	-129.468	6
65	MP2A	Z	0	6
66	MP2A	Mx	.065	6
67	MP2A	X	-129.468	54
68	MP2A	Z	0	54
69	MP2A	Mx	.065	54
70	MP2B	X	-169.17	6
71	MP2B	Z	0	6
72	MP2B	Mx	-.13	6
73	MP2B	X	-169.17	54
74	MP2B	Z	0	54
75	MP2B	Mx	-.13	54
76	MP2C	X	-195.084	6
77	MP2C	Z	0	6
78	MP2C	Mx	.095	6
79	MP2C	X	-195.084	54
80	MP2C	Z	0	54
81	MP2C	Mx	.095	54
82	MP2A	X	-11.079	48
83	MP2A	Z	0	48
84	MP2A	Mx	-.006	48
85	MP2B	X	-13.974	48
86	MP2B	Z	0	48
87	MP2B	Mx	.004	48
88	MP2C	X	-15.863	48
89	MP2C	Z	0	48
90	MP2C	Mx	.001	48
91	OVP	X	-175.702	12
92	OVP	Z	0	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-47.879	12
2	MP3A	Z	-27.643	12
3	MP3A	Mx	.024	12
4	MP3A	X	-47.879	24
5	MP3A	Z	-27.643	24
6	MP3A	Mx	.024	24
7	MP3B	X	-86.458	12
8	MP3B	Z	-49.917	12
9	MP3B	Mx	-.009	12
10	MP3B	X	-86.458	24
11	MP3B	Z	-49.917	24
12	MP3B	Mx	-.009	24
13	MP3C	X	-65.931	12
14	MP3C	Z	-38.065	12
15	MP3C	Mx	-.024	12
16	MP3C	X	-65.931	24
17	MP3C	Z	-38.065	24



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
18	MP3C	Mx	-.024	24
19	MP3A	X	-13.245	60
20	MP3A	Z	-7.647	60
21	MP3A	Mx	.007	60
22	MP3B	X	-32.547	60
23	MP3B	Z	-18.791	60
24	MP3B	Mx	-.003	60
25	MP3C	X	-22.277	60
26	MP3C	Z	-12.861	60
27	MP3C	Mx	-.008	60
28	MP2A	X	-52.657	18
29	MP2A	Z	-30.402	18
30	MP2A	Mx	-.026	18
31	MP2B	X	-69.384	18
32	MP2B	Z	-40.059	18
33	MP2B	Mx	.007	18
34	MP2C	X	-60.484	18
35	MP2C	Z	-34.92	18
36	MP2C	Mx	.022	18
37	MP3A	X	-45.981	18
38	MP3A	Z	-26.547	18
39	MP3A	Mx	-.023	18
40	MP3B	X	-69.116	18
41	MP3B	Z	-39.904	18
42	MP3B	Mx	.007	18
43	MP3C	X	-56.806	18
44	MP3C	Z	-32.797	18
45	MP3C	Mx	.021	18
46	MP2A	X	-126.771	6
47	MP2A	Z	-73.191	6
48	MP2A	Mx	.021	6
49	MP2A	X	-126.771	54
50	MP2A	Z	-73.191	54
51	MP2A	Mx	.021	54
52	MP2B	X	-168.948	6
53	MP2B	Z	-97.542	6
54	MP2B	Mx	.095	6
55	MP2B	X	-168.948	54
56	MP2B	Z	-97.542	54
57	MP2B	Mx	.095	54
58	MP2C	X	-146.506	6
59	MP2C	Z	-84.585	6
60	MP2C	Mx	-.13	6
61	MP2C	X	-146.506	54
62	MP2C	Z	-84.585	54
63	MP2C	Mx	-.13	54
64	MP2A	X	-126.771	6
65	MP2A	Z	-73.191	6
66	MP2A	Mx	.106	6
67	MP2A	X	-126.771	54
68	MP2A	Z	-73.191	54
69	MP2A	Mx	.106	54
70	MP2B	X	-168.948	6
71	MP2B	Z	-97.542	6
72	MP2B	Mx	-.129	6
73	MP2B	X	-168.948	54
74	MP2B	Z	-97.542	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
75	MP2B	Mx	-.129	54
76	MP2C	X	-146.506	6
77	MP2C	Z	-84.585	6
78	MP2C	Mx	.021	6
79	MP2C	X	-146.506	54
80	MP2C	Z	-84.585	54
81	MP2C	Mx	.021	54
82	MP2A	X	-10.663	48
83	MP2A	Z	-6.156	48
84	MP2A	Mx	-.005	48
85	MP2B	X	-13.738	48
86	MP2B	Z	-7.932	48
87	MP2B	Mx	.001	48
88	MP2C	X	-12.102	48
89	MP2C	Z	-6.987	48
90	MP2C	Mx	.004	48
91	OVP	X	-143.144	12
92	OVP	Z	-82.644	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
1	MP3A	X	-43.114	12
2	MP3A	Z	-74.676	12
3	MP3A	Mx	.022	12
4	MP3A	X	-43.114	24
5	MP3A	Z	-74.676	24
6	MP3A	Mx	.022	24
7	MP3B	X	-47.23	12
8	MP3B	Z	-81.805	12
9	MP3B	Mx	.016	12
10	MP3B	X	-47.23	24
11	MP3B	Z	-81.805	24
12	MP3B	Mx	.016	24
13	MP3C	X	-23.527	12
14	MP3C	Z	-40.75	12
15	MP3C	Mx	-.022	12
16	MP3C	X	-23.527	24
17	MP3C	Z	-40.75	24
18	MP3C	Mx	-.022	24
19	MP3A	X	-15.388	60
20	MP3A	Z	-26.652	60
21	MP3A	Mx	.008	60
22	MP3B	X	-17.447	60
23	MP3B	Z	-30.219	60
24	MP3B	Mx	.006	60
25	MP3C	X	-5.588	60
26	MP3C	Z	-9.678	60
27	MP3C	Mx	-.005	60
28	MP2A	X	-37.109	18
29	MP2A	Z	-64.276	18
30	MP2A	Mx	-.019	18
31	MP2B	X	-38.894	18
32	MP2B	Z	-67.367	18
33	MP2B	Mx	-.013	18
34	MP2C	X	-28.617	18



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]	
35	MP2C	Z	-49.566	18
36	MP2C	Mx	.027	18
37	MP3A	X	-35.825	18
38	MP3A	Z	-62.05	18
39	MP3A	Mx	-.018	18
40	MP3B	X	-38.293	18
41	MP3B	Z	-66.325	18
42	MP3B	Mx	-.013	18
43	MP3C	X	-24.079	18
44	MP3C	Z	-41.706	18
45	MP3C	Mx	.023	18
46	MP2A	X	-90.105	6
47	MP2A	Z	-156.066	6
48	MP2A	Mx	-.046	6
49	MP2A	X	-90.105	54
50	MP2A	Z	-156.066	54
51	MP2A	Mx	-.046	54
52	MP2B	X	-94.605	6
53	MP2B	Z	-163.86	6
54	MP2B	Mx	.136	6
55	MP2B	X	-94.605	54
56	MP2B	Z	-163.86	54
57	MP2B	Mx	.136	54
58	MP2C	X	-68.691	6
59	MP2C	Z	-118.977	6
60	MP2C	Mx	-.092	6
61	MP2C	X	-68.691	54
62	MP2C	Z	-118.977	54
63	MP2C	Mx	-.092	54
64	MP2A	X	-90.105	6
65	MP2A	Z	-156.066	6
66	MP2A	Mx	.136	6
67	MP2A	X	-90.105	54
68	MP2A	Z	-156.066	54
69	MP2A	Mx	.136	54
70	MP2B	X	-94.605	6
71	MP2B	Z	-163.86	6
72	MP2B	Mx	-.071	6
73	MP2B	X	-94.605	54
74	MP2B	Z	-163.86	54
75	MP2B	Mx	-.071	54
76	MP2C	X	-68.691	6
77	MP2C	Z	-118.977	6
78	MP2C	Mx	-.037	6
79	MP2C	X	-68.691	54
80	MP2C	Z	-118.977	54
81	MP2C	Mx	-.037	54
82	MP2A	X	-7.389	48
83	MP2A	Z	-12.799	48
84	MP2A	Mx	-.004	48
85	MP2B	X	-7.718	48
86	MP2B	Z	-13.367	48
87	MP2B	Mx	-.003	48
88	MP2C	X	-5.828	48
89	MP2C	Z	-10.094	48
90	MP2C	Mx	.005	48
91	OVP	X	-72.231	12



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
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**Member Point Loads (BLC 14 : Antenna Wo (330 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
92	OVP	Z	-125.108	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	0	12
2	MP3A	Z	-22.264	12
3	MP3A	Mx	0	12
4	MP3A	X	0	24
5	MP3A	Z	-22.264	24
6	MP3A	Mx	0	24
7	MP3B	X	0	12
8	MP3B	Z	-15.074	12
9	MP3B	Mx	.006	12
10	MP3B	X	0	24
11	MP3B	Z	-15.074	24
12	MP3B	Mx	.006	24
13	MP3C	X	0	12
14	MP3C	Z	-10.382	12
15	MP3C	Mx	-.005	12
16	MP3C	X	0	24
17	MP3C	Z	-10.382	24
18	MP3C	Mx	-.005	24
19	MP3A	X	0	60
20	MP3A	Z	-10.509	60
21	MP3A	Mx	0	60
22	MP3B	X	0	60
23	MP3B	Z	-6.521	60
24	MP3B	Mx	.002	60
25	MP3C	X	0	60
26	MP3C	Z	-3.918	60
27	MP3C	Mx	-.002	60
28	MP2A	X	0	18
29	MP2A	Z	-19.447	18
30	MP2A	Mx	0	18
31	MP2B	X	0	18
32	MP2B	Z	-16.174	18
33	MP2B	Mx	-.006	18
34	MP2C	X	0	18
35	MP2C	Z	-14.038	18
36	MP2C	Mx	.007	18
37	MP3A	X	0	18
38	MP3A	Z	-19.447	18
39	MP3A	Mx	0	18
40	MP3B	X	0	18
41	MP3B	Z	-14.93	18
42	MP3B	Mx	-.006	18
43	MP3C	X	0	18
44	MP3C	Z	-11.982	18
45	MP3C	Mx	.006	18
46	MP2A	X	0	6
47	MP2A	Z	-41.15	6
48	MP2A	Mx	-.024	6
49	MP2A	X	0	54
50	MP2A	Z	-41.15	54
51	MP2A	Mx	-.024	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
52	MP2B	X	0	6
53	MP2B	Z	-33.787	6
54	MP2B	Mx	.026	6
55	MP2B	X	0	54
56	MP2B	Z	-33.787	54
57	MP2B	Mx	.026	54
58	MP2C	X	0	6
59	MP2C	Z	-28.981	6
60	MP2C	Mx	-.011	6
61	MP2C	X	0	54
62	MP2C	Z	-28.981	54
63	MP2C	Mx	-.011	54
64	MP2A	X	0	6
65	MP2A	Z	-41.15	6
66	MP2A	Mx	.024	6
67	MP2A	X	0	54
68	MP2A	Z	-41.15	54
69	MP2A	Mx	.024	54
70	MP2B	X	0	6
71	MP2B	Z	-33.787	6
72	MP2B	Mx	.000272	6
73	MP2B	X	0	54
74	MP2B	Z	-33.787	54
75	MP2B	Mx	.000272	54
76	MP2C	X	0	6
77	MP2C	Z	-28.981	6
78	MP2C	Mx	-.017	6
79	MP2C	X	0	54
80	MP2C	Z	-28.981	54
81	MP2C	Mx	-.017	54
82	MP2A	X	0	48
83	MP2A	Z	-5.329	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48
86	MP2B	Z	-4.64	48
87	MP2B	Mx	-.002	48
88	MP2C	X	0	48
89	MP2C	Z	-4.191	48
90	MP2C	Mx	.002	48
91	OVP	X	0	12
92	OVP	Z	-30.692	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	9.6	12
2	MP3A	Z	-16.628	12
3	MP3A	Mx	-.005	12
4	MP3A	X	9.6	24
5	MP3A	Z	-16.628	24
6	MP3A	Mx	-.005	24
7	MP3B	X	5.191	12
8	MP3B	Z	-8.991	12
9	MP3B	Mx	.005	12
10	MP3B	X	5.191	24
11	MP3B	Z	-8.991	24



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
12	MP3B	Mx	.005	24
13	MP3C	X	7.537	12
14	MP3C	Z	-13.055	12
15	MP3C	Mx	-.006	12
16	MP3C	X	7.537	24
17	MP3C	Z	-13.055	24
18	MP3C	Mx	-.006	24
19	MP3A	X	4.405	60
20	MP3A	Z	-7.63	60
21	MP3A	Mx	-.002	60
22	MP3B	X	1.959	60
23	MP3B	Z	-3.394	60
24	MP3B	Mx	.002	60
25	MP3C	X	3.261	60
26	MP3C	Z	-5.648	60
27	MP3C	Mx	-.002	60
28	MP2A	X	9.026	18
29	MP2A	Z	-15.634	18
30	MP2A	Mx	.005	18
31	MP2B	X	7.019	18
32	MP2B	Z	-12.157	18
33	MP2B	Mx	-.007	18
34	MP2C	X	8.087	18
35	MP2C	Z	-14.007	18
36	MP2C	Mx	.006	18
37	MP3A	X	8.761	18
38	MP3A	Z	-15.175	18
39	MP3A	Mx	.004	18
40	MP3B	X	5.991	18
41	MP3B	Z	-10.377	18
42	MP3B	Mx	-.006	18
43	MP3C	X	7.465	18
44	MP3C	Z	-12.93	18
45	MP3C	Mx	.006	18
46	MP2A	X	19.007	6
47	MP2A	Z	-32.921	6
48	MP2A	Mx	-.029	6
49	MP2A	X	19.007	54
50	MP2A	Z	-32.921	54
51	MP2A	Mx	-.029	54
52	MP2B	X	14.491	6
53	MP2B	Z	-25.098	6
54	MP2B	Mx	.017	6
55	MP2B	X	14.491	54
56	MP2B	Z	-25.098	54
57	MP2B	Mx	.017	54
58	MP2C	X	16.894	6
59	MP2C	Z	-29.261	6
60	MP2C	Mx	-.000272	6
61	MP2C	X	16.894	54
62	MP2C	Z	-29.261	54
63	MP2C	Mx	-.000272	54
64	MP2A	X	19.007	6
65	MP2A	Z	-32.921	6
66	MP2A	Mx	.01	6
67	MP2A	X	19.007	54
68	MP2A	Z	-32.921	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
69	MP2A	Mx	.01	54
70	MP2B	X	14.491	6
71	MP2B	Z	-25.098	6
72	MP2B	Mx	.011	6
73	MP2B	X	14.491	54
74	MP2B	Z	-25.098	54
75	MP2B	Mx	.011	54
76	MP2C	X	16.894	6
77	MP2C	Z	-29.261	6
78	MP2C	Mx	-.026	6
79	MP2C	X	16.894	54
80	MP2C	Z	-29.261	54
81	MP2C	Mx	-.026	54
82	MP2A	X	2.518	48
83	MP2A	Z	-4.361	48
84	MP2A	Mx	.001	48
85	MP2B	X	2.095	48
86	MP2B	Z	-3.629	48
87	MP2B	Mx	-.002	48
88	MP2C	X	2.32	48
89	MP2C	Z	-4.019	48
90	MP2C	Mx	.002	48
91	OVP	X	16.347	12
92	OVP	Z	-28.314	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	11.323	12
2	MP3A	Z	-6.538	12
3	MP3A	Mx	-.006	12
4	MP3A	X	11.323	24
5	MP3A	Z	-6.538	24
6	MP3A	Mx	-.006	24
7	MP3B	X	9.912	12
8	MP3B	Z	-5.723	12
9	MP3B	Mx	.005	12
10	MP3B	X	9.912	24
11	MP3B	Z	-5.723	24
12	MP3B	Mx	.005	24
13	MP3C	X	18.04	12
14	MP3C	Z	-10.415	12
15	MP3C	Mx	-.004	12
16	MP3C	X	18.04	24
17	MP3C	Z	-10.415	24
18	MP3C	Mx	-.004	24
19	MP3A	X	4.687	60
20	MP3A	Z	-2.706	60
21	MP3A	Mx	-.002	60
22	MP3B	X	3.904	60
23	MP3B	Z	-2.254	60
24	MP3B	Mx	.002	60
25	MP3C	X	8.413	60
26	MP3C	Z	-4.857	60
27	MP3C	Mx	-.002	60
28	MP2A	X	13.219	18





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
29	MP2A	Z	-7.632	18
30	MP2A	Mx	.007	18
31	MP2B	X	12.577	18
32	MP2B	Z	-7.261	18
33	MP2B	Mx	-.007	18
34	MP2C	X	16.277	18
35	MP2C	Z	-9.397	18
36	MP2C	Mx	.003	18
37	MP3A	X	11.842	18
38	MP3A	Z	-6.837	18
39	MP3A	Mx	.006	18
40	MP3B	X	10.956	18
41	MP3B	Z	-6.325	18
42	MP3B	Mx	-.006	18
43	MP3C	X	16.062	18
44	MP3C	Z	-9.273	18
45	MP3C	Mx	.003	18
46	MP2A	X	27.487	6
47	MP2A	Z	-15.87	6
48	MP2A	Mx	-.023	6
49	MP2A	X	27.487	54
50	MP2A	Z	-15.87	54
51	MP2A	Mx	-.023	54
52	MP2B	X	26.042	6
53	MP2B	Z	-15.035	6
54	MP2B	Mx	.008	6
55	MP2B	X	26.042	54
56	MP2B	Z	-15.035	54
57	MP2B	Mx	.008	54
58	MP2C	X	34.366	6
59	MP2C	Z	-19.841	6
60	MP2C	Mx	.015	6
61	MP2C	X	34.366	54
62	MP2C	Z	-19.841	54
63	MP2C	Mx	.015	54
64	MP2A	X	27.487	6
65	MP2A	Z	-15.87	6
66	MP2A	Mx	-.004	6
67	MP2A	X	27.487	54
68	MP2A	Z	-15.87	54
69	MP2A	Mx	-.004	54
70	MP2B	X	26.042	6
71	MP2B	Z	-15.035	6
72	MP2B	Mx	.02	6
73	MP2B	X	26.042	54
74	MP2B	Z	-15.035	54
75	MP2B	Mx	.02	54
76	MP2C	X	34.366	6
77	MP2C	Z	-19.841	6
78	MP2C	Mx	-.029	6
79	MP2C	X	34.366	54
80	MP2C	Z	-19.841	54
81	MP2C	Mx	-.029	54
82	MP2A	X	3.853	48
83	MP2A	Z	-2.224	48
84	MP2A	Mx	.002	48
85	MP2B	X	3.718	48



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
86	MP2B	Z	-2.146	48
87	MP2B	Mx	-0.002	48
88	MP2C	X	4.496	48
89	MP2C	Z	-2.596	48
90	MP2C	Mx	.000888	48
91	OVP	X	31.784	12
92	OVP	Z	-18.35	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	10.012	12
2	MP3A	Z	0	12
3	MP3A	Mx	-0.005	12
4	MP3A	X	10.012	24
5	MP3A	Z	0	24
6	MP3A	Mx	-0.005	24
7	MP3B	X	17.202	12
8	MP3B	Z	0	12
9	MP3B	Mx	.006	12
10	MP3B	X	17.202	24
11	MP3B	Z	0	24
12	MP3B	Mx	.006	24
13	MP3C	X	21.894	12
14	MP3C	Z	0	12
15	MP3C	Mx	.002	12
16	MP3C	X	21.894	24
17	MP3C	Z	0	24
18	MP3C	Mx	.002	24
19	MP3A	X	3.714	60
20	MP3A	Z	0	60
21	MP3A	Mx	-0.002	60
22	MP3B	X	7.701	60
23	MP3B	Z	0	60
24	MP3B	Mx	.002	60
25	MP3C	X	10.304	60
26	MP3C	Z	0	60
27	MP3C	Mx	.000895	60
28	MP2A	X	13.87	18
29	MP2A	Z	0	18
30	MP2A	Mx	.007	18
31	MP2B	X	17.143	18
32	MP2B	Z	0	18
33	MP2B	Mx	-0.006	18
34	MP2C	X	19.279	18
35	MP2C	Z	0	18
36	MP2C	Mx	-0.002	18
37	MP3A	X	11.75	18
38	MP3A	Z	0	18
39	MP3A	Mx	.006	18
40	MP3B	X	16.267	18
41	MP3B	Z	0	18
42	MP3B	Mx	-0.005	18
43	MP3C	X	19.215	18
44	MP3C	Z	0	18
45	MP3C	Mx	-0.002	18



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

July 13, 2021  
 9:33 AM  
 Checked By: DX

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
46	MP2A	X	28.603	6
47	MP2A	Z	0	6
48	MP2A	Mx	-.014	6
49	MP2A	X	28.603	54
50	MP2A	Z	0	54
51	MP2A	Mx	-.014	54
52	MP2B	X	35.966	6
53	MP2B	Z	0	6
54	MP2B	Mx	-.005	6
55	MP2B	X	35.966	54
56	MP2B	Z	0	54
57	MP2B	Mx	-.005	54
58	MP2C	X	40.772	6
59	MP2C	Z	0	6
60	MP2C	Mx	.027	6
61	MP2C	X	40.772	54
62	MP2C	Z	0	54
63	MP2C	Mx	.027	54
64	MP2A	X	28.603	6
65	MP2A	Z	0	6
66	MP2A	Mx	-.014	6
67	MP2A	X	28.603	54
68	MP2A	Z	0	54
69	MP2A	Mx	-.014	54
70	MP2B	X	35.966	6
71	MP2B	Z	0	6
72	MP2B	Mx	.028	6
73	MP2B	X	35.966	54
74	MP2B	Z	0	54
75	MP2B	Mx	.028	54
76	MP2C	X	40.772	6
77	MP2C	Z	0	6
78	MP2C	Mx	-.02	6
79	MP2C	X	40.772	54
80	MP2C	Z	0	54
81	MP2C	Mx	-.02	54
82	MP2A	X	4.156	48
83	MP2A	Z	0	48
84	MP2A	Mx	.002	48
85	MP2B	X	4.844	48
86	MP2B	Z	0	48
87	MP2B	Mx	-.002	48
88	MP2C	X	5.293	48
89	MP2C	Z	0	48
90	MP2C	Mx	-.00046	48
91	OVP	X	38.704	12
92	OVP	Z	0	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	11.323	12
2	MP3A	Z	6.538	12
3	MP3A	Mx	-.006	12
4	MP3A	X	11.323	24
5	MP3A	Z	6.538	24



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
6	MP3A	Mx	24
7	MP3B	X	12
8	MP3B	Z	12
9	MP3B	Mx	12
10	MP3B	X	24
11	MP3B	Z	24
12	MP3B	Mx	24
13	MP3C	X	12
14	MP3C	Z	12
15	MP3C	Mx	12
16	MP3C	X	24
17	MP3C	Z	24
18	MP3C	Mx	24
19	MP3A	X	60
20	MP3A	Z	60
21	MP3A	Mx	60
22	MP3B	X	60
23	MP3B	Z	60
24	MP3B	Mx	60
25	MP3C	X	60
26	MP3C	Z	60
27	MP3C	Mx	60
28	MP2A	X	18
29	MP2A	Z	18
30	MP2A	Mx	18
31	MP2B	X	18
32	MP2B	Z	18
33	MP2B	Mx	18
34	MP2C	X	18
35	MP2C	Z	18
36	MP2C	Mx	18
37	MP3A	X	18
38	MP3A	Z	18
39	MP3A	Mx	18
40	MP3B	X	18
41	MP3B	Z	18
42	MP3B	Mx	18
43	MP3C	X	18
44	MP3C	Z	18
45	MP3C	Mx	18
46	MP2A	X	6
47	MP2A	Z	6
48	MP2A	Mx	6
49	MP2A	X	54
50	MP2A	Z	54
51	MP2A	Mx	54
52	MP2B	X	6
53	MP2B	Z	6
54	MP2B	Mx	6
55	MP2B	X	54
56	MP2B	Z	54
57	MP2B	Mx	54
58	MP2C	X	6
59	MP2C	Z	6
60	MP2C	Mx	6
61	MP2C	X	54
62	MP2C	Z	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
63	MP2C	Mx	.028	54
64	MP2A	X	27.487	6
65	MP2A	Z	15.87	6
66	MP2A	Mx	-.023	6
67	MP2A	X	27.487	54
68	MP2A	Z	15.87	54
69	MP2A	Mx	-.023	54
70	MP2B	X	35.31	6
71	MP2B	Z	20.386	6
72	MP2B	Mx	.027	6
73	MP2B	X	35.31	54
74	MP2B	Z	20.386	54
75	MP2B	Mx	.027	54
76	MP2C	X	31.147	6
77	MP2C	Z	17.983	6
78	MP2C	Mx	-.005	6
79	MP2C	X	31.147	54
80	MP2C	Z	17.983	54
81	MP2C	Mx	-.005	54
82	MP2A	X	3.853	48
83	MP2A	Z	2.224	48
84	MP2A	Mx	.002	48
85	MP2B	X	4.584	48
86	MP2B	Z	2.647	48
87	MP2B	Mx	-.000459	48
88	MP2C	X	4.195	48
89	MP2C	Z	2.422	48
90	MP2C	Mx	-.002	48
91	OVP	X	31.784	12
92	OVP	Z	18.35	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	9.6	12
2	MP3A	Z	16.628	12
3	MP3A	Mx	-.005	12
4	MP3A	X	9.6	24
5	MP3A	Z	16.628	24
6	MP3A	Mx	-.005	24
7	MP3B	X	10.415	12
8	MP3B	Z	18.04	12
9	MP3B	Mx	-.004	12
10	MP3B	X	10.415	24
11	MP3B	Z	18.04	24
12	MP3B	Mx	-.004	24
13	MP3C	X	5.723	12
14	MP3C	Z	9.912	12
15	MP3C	Mx	.005	12
16	MP3C	X	5.723	24
17	MP3C	Z	9.912	24
18	MP3C	Mx	.005	24
19	MP3A	X	4.405	60
20	MP3A	Z	7.63	60
21	MP3A	Mx	-.002	60
22	MP3B	X	4.857	60



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
23	MP3B	Z	60
24	MP3B	Mx	60
25	MP3C	X	60
26	MP3C	Z	60
27	MP3C	Mx	60
28	MP2A	X	18
29	MP2A	Z	18
30	MP2A	Mx	18
31	MP2B	X	18
32	MP2B	Z	18
33	MP2B	Mx	18
34	MP2C	X	18
35	MP2C	Z	18
36	MP2C	Mx	18
37	MP3A	X	18
38	MP3A	Z	18
39	MP3A	Mx	18
40	MP3B	X	18
41	MP3B	Z	18
42	MP3B	Mx	18
43	MP3C	X	18
44	MP3C	Z	18
45	MP3C	Mx	18
46	MP2A	X	6
47	MP2A	Z	6
48	MP2A	Mx	6
49	MP2A	X	54
50	MP2A	Z	54
51	MP2A	Mx	54
52	MP2B	X	6
53	MP2B	Z	6
54	MP2B	Mx	6
55	MP2B	X	54
56	MP2B	Z	54
57	MP2B	Mx	54
58	MP2C	X	6
59	MP2C	Z	6
60	MP2C	Mx	6
61	MP2C	X	54
62	MP2C	Z	54
63	MP2C	Mx	54
64	MP2A	X	6
65	MP2A	Z	6
66	MP2A	Mx	6
67	MP2A	X	54
68	MP2A	Z	54
69	MP2A	Mx	54
70	MP2B	X	6
71	MP2B	Z	6
72	MP2B	Mx	6
73	MP2B	X	54
74	MP2B	Z	54
75	MP2B	Mx	54
76	MP2C	X	6
77	MP2C	Z	6
78	MP2C	Mx	6
79	MP2C	X	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
80	MP2C	Z	26.042	54
81	MP2C	Mx	.008	54
82	MP2A	X	2.518	48
83	MP2A	Z	4.361	48
84	MP2A	Mx	.001	48
85	MP2B	X	2.596	48
86	MP2B	Z	4.496	48
87	MP2B	Mx	.000888	48
88	MP2C	X	2.146	48
89	MP2C	Z	3.718	48
90	MP2C	Mx	-.002	48
91	OVP	X	16.347	12
92	OVP	Z	28.314	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP3A	X	0	12
2	MP3A	Z	22.264	12
3	MP3A	Mx	0	12
4	MP3A	X	0	24
5	MP3A	Z	22.264	24
6	MP3A	Mx	0	24
7	MP3B	X	0	12
8	MP3B	Z	15.074	12
9	MP3B	Mx	-.006	12
10	MP3B	X	0	24
11	MP3B	Z	15.074	24
12	MP3B	Mx	-.006	24
13	MP3C	X	0	12
14	MP3C	Z	10.382	12
15	MP3C	Mx	.005	12
16	MP3C	X	0	24
17	MP3C	Z	10.382	24
18	MP3C	Mx	.005	24
19	MP3A	X	0	60
20	MP3A	Z	10.509	60
21	MP3A	Mx	0	60
22	MP3B	X	0	60
23	MP3B	Z	6.521	60
24	MP3B	Mx	-.002	60
25	MP3C	X	0	60
26	MP3C	Z	3.918	60
27	MP3C	Mx	.002	60
28	MP2A	X	0	18
29	MP2A	Z	19.447	18
30	MP2A	Mx	0	18
31	MP2B	X	0	18
32	MP2B	Z	16.174	18
33	MP2B	Mx	.006	18
34	MP2C	X	0	18
35	MP2C	Z	14.038	18
36	MP2C	Mx	-.007	18
37	MP3A	X	0	18
38	MP3A	Z	19.447	18
39	MP3A	Mx	0	18



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]	
40	MP3B	X	0	18
41	MP3B	Z	14.93	18
42	MP3B	Mx	.006	18
43	MP3C	X	0	18
44	MP3C	Z	11.982	18
45	MP3C	Mx	-.006	18
46	MP2A	X	0	6
47	MP2A	Z	41.15	6
48	MP2A	Mx	.024	6
49	MP2A	X	0	54
50	MP2A	Z	41.15	54
51	MP2A	Mx	.024	54
52	MP2B	X	0	6
53	MP2B	Z	33.787	6
54	MP2B	Mx	-.026	6
55	MP2B	X	0	54
56	MP2B	Z	33.787	54
57	MP2B	Mx	-.026	54
58	MP2C	X	0	6
59	MP2C	Z	28.981	6
60	MP2C	Mx	.011	6
61	MP2C	X	0	54
62	MP2C	Z	28.981	54
63	MP2C	Mx	.011	54
64	MP2A	X	0	6
65	MP2A	Z	41.15	6
66	MP2A	Mx	-.024	6
67	MP2A	X	0	54
68	MP2A	Z	41.15	54
69	MP2A	Mx	-.024	54
70	MP2B	X	0	6
71	MP2B	Z	33.787	6
72	MP2B	Mx	-.000272	6
73	MP2B	X	0	54
74	MP2B	Z	33.787	54
75	MP2B	Mx	-.000272	54
76	MP2C	X	0	6
77	MP2C	Z	28.981	6
78	MP2C	Mx	.017	6
79	MP2C	X	0	54
80	MP2C	Z	28.981	54
81	MP2C	Mx	.017	54
82	MP2A	X	0	48
83	MP2A	Z	5.329	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48
86	MP2B	Z	4.64	48
87	MP2B	Mx	.002	48
88	MP2C	X	0	48
89	MP2C	Z	4.191	48
90	MP2C	Mx	-.002	48
91	OVP	X	0	12
92	OVP	Z	30.692	12
93	OVP	Mx	0	12

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





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-9.6	12
2	MP3A	Z	16.628	12
3	MP3A	Mx	.005	12
4	MP3A	X	-9.6	24
5	MP3A	Z	16.628	24
6	MP3A	Mx	.005	24
7	MP3B	X	-5.191	12
8	MP3B	Z	8.991	12
9	MP3B	Mx	-.005	12
10	MP3B	X	-5.191	24
11	MP3B	Z	8.991	24
12	MP3B	Mx	-.005	24
13	MP3C	X	-7.537	12
14	MP3C	Z	13.055	12
15	MP3C	Mx	.006	12
16	MP3C	X	-7.537	24
17	MP3C	Z	13.055	24
18	MP3C	Mx	.006	24
19	MP3A	X	-4.405	60
20	MP3A	Z	7.63	60
21	MP3A	Mx	.002	60
22	MP3B	X	-1.959	60
23	MP3B	Z	3.394	60
24	MP3B	Mx	-.002	60
25	MP3C	X	-3.261	60
26	MP3C	Z	5.648	60
27	MP3C	Mx	.002	60
28	MP2A	X	-9.026	18
29	MP2A	Z	15.634	18
30	MP2A	Mx	-.005	18
31	MP2B	X	-7.019	18
32	MP2B	Z	12.157	18
33	MP2B	Mx	.007	18
34	MP2C	X	-8.087	18
35	MP2C	Z	14.007	18
36	MP2C	Mx	-.006	18
37	MP3A	X	-8.761	18
38	MP3A	Z	15.175	18
39	MP3A	Mx	-.004	18
40	MP3B	X	-5.991	18
41	MP3B	Z	10.377	18
42	MP3B	Mx	.006	18
43	MP3C	X	-7.465	18
44	MP3C	Z	12.93	18
45	MP3C	Mx	-.006	18
46	MP2A	X	-19.007	6
47	MP2A	Z	32.921	6
48	MP2A	Mx	.029	6
49	MP2A	X	-19.007	54
50	MP2A	Z	32.921	54
51	MP2A	Mx	.029	54
52	MP2B	X	-14.491	6
53	MP2B	Z	25.098	6
54	MP2B	Mx	-.017	6
55	MP2B	X	-14.491	54
56	MP2B	Z	25.098	54
57	MP2B	Mx	-.017	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
58	MP2C	X	-16.894	6
59	MP2C	Z	29.261	6
60	MP2C	Mx	.000272	6
61	MP2C	X	-16.894	54
62	MP2C	Z	29.261	54
63	MP2C	Mx	.000272	54
64	MP2A	X	-19.007	6
65	MP2A	Z	32.921	6
66	MP2A	Mx	-.01	6
67	MP2A	X	-19.007	54
68	MP2A	Z	32.921	54
69	MP2A	Mx	-.01	54
70	MP2B	X	-14.491	6
71	MP2B	Z	25.098	6
72	MP2B	Mx	-.011	6
73	MP2B	X	-14.491	54
74	MP2B	Z	25.098	54
75	MP2B	Mx	-.011	54
76	MP2C	X	-16.894	6
77	MP2C	Z	29.261	6
78	MP2C	Mx	.026	6
79	MP2C	X	-16.894	54
80	MP2C	Z	29.261	54
81	MP2C	Mx	.026	54
82	MP2A	X	-2.518	48
83	MP2A	Z	4.361	48
84	MP2A	Mx	-.001	48
85	MP2B	X	-2.095	48
86	MP2B	Z	3.629	48
87	MP2B	Mx	.002	48
88	MP2C	X	-2.32	48
89	MP2C	Z	4.019	48
90	MP2C	Mx	-.002	48
91	OVP	X	-16.347	12
92	OVP	Z	28.314	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-11.323	12
2	MP3A	Z	6.538	12
3	MP3A	Mx	.006	12
4	MP3A	X	-11.323	24
5	MP3A	Z	6.538	24
6	MP3A	Mx	.006	24
7	MP3B	X	-9.912	12
8	MP3B	Z	5.723	12
9	MP3B	Mx	-.005	12
10	MP3B	X	-9.912	24
11	MP3B	Z	5.723	24
12	MP3B	Mx	-.005	24
13	MP3C	X	-18.04	12
14	MP3C	Z	10.415	12
15	MP3C	Mx	.004	12
16	MP3C	X	-18.04	24
17	MP3C	Z	10.415	24



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]	
18	MP3C	Mx	.004	24
19	MP3A	X	-4.687	60
20	MP3A	Z	2.706	60
21	MP3A	Mx	.002	60
22	MP3B	X	-3.904	60
23	MP3B	Z	2.254	60
24	MP3B	Mx	-.002	60
25	MP3C	X	-8.413	60
26	MP3C	Z	4.857	60
27	MP3C	Mx	.002	60
28	MP2A	X	-13.219	18
29	MP2A	Z	7.632	18
30	MP2A	Mx	-.007	18
31	MP2B	X	-12.577	18
32	MP2B	Z	7.261	18
33	MP2B	Mx	.007	18
34	MP2C	X	-16.277	18
35	MP2C	Z	9.397	18
36	MP2C	Mx	-.003	18
37	MP3A	X	-11.842	18
38	MP3A	Z	6.837	18
39	MP3A	Mx	-.006	18
40	MP3B	X	-10.956	18
41	MP3B	Z	6.325	18
42	MP3B	Mx	.006	18
43	MP3C	X	-16.062	18
44	MP3C	Z	9.273	18
45	MP3C	Mx	-.003	18
46	MP2A	X	-27.487	6
47	MP2A	Z	15.87	6
48	MP2A	Mx	.023	6
49	MP2A	X	-27.487	54
50	MP2A	Z	15.87	54
51	MP2A	Mx	.023	54
52	MP2B	X	-26.042	6
53	MP2B	Z	15.035	6
54	MP2B	Mx	-.008	6
55	MP2B	X	-26.042	54
56	MP2B	Z	15.035	54
57	MP2B	Mx	-.008	54
58	MP2C	X	-34.366	6
59	MP2C	Z	19.841	6
60	MP2C	Mx	-.015	6
61	MP2C	X	-34.366	54
62	MP2C	Z	19.841	54
63	MP2C	Mx	-.015	54
64	MP2A	X	-27.487	6
65	MP2A	Z	15.87	6
66	MP2A	Mx	.004	6
67	MP2A	X	-27.487	54
68	MP2A	Z	15.87	54
69	MP2A	Mx	.004	54
70	MP2B	X	-26.042	6
71	MP2B	Z	15.035	6
72	MP2B	Mx	-.02	6
73	MP2B	X	-26.042	54
74	MP2B	Z	15.035	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
75	MP2B	Mx	-.02	54
76	MP2C	X	-34.366	6
77	MP2C	Z	19.841	6
78	MP2C	Mx	.029	6
79	MP2C	X	-34.366	54
80	MP2C	Z	19.841	54
81	MP2C	Mx	.029	54
82	MP2A	X	-3.853	48
83	MP2A	Z	2.224	48
84	MP2A	Mx	-.002	48
85	MP2B	X	-3.718	48
86	MP2B	Z	2.146	48
87	MP2B	Mx	.002	48
88	MP2C	X	-4.496	48
89	MP2C	Z	2.596	48
90	MP2C	Mx	-.000888	48
91	OVP	X	-31.784	12
92	OVP	Z	18.35	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-10.012	12
2	MP3A	Z	0	12
3	MP3A	Mx	.005	12
4	MP3A	X	-10.012	24
5	MP3A	Z	0	24
6	MP3A	Mx	.005	24
7	MP3B	X	-17.202	12
8	MP3B	Z	0	12
9	MP3B	Mx	-.006	12
10	MP3B	X	-17.202	24
11	MP3B	Z	0	24
12	MP3B	Mx	-.006	24
13	MP3C	X	-21.894	12
14	MP3C	Z	0	12
15	MP3C	Mx	-.002	12
16	MP3C	X	-21.894	24
17	MP3C	Z	0	24
18	MP3C	Mx	-.002	24
19	MP3A	X	-3.714	60
20	MP3A	Z	0	60
21	MP3A	Mx	.002	60
22	MP3B	X	-7.701	60
23	MP3B	Z	0	60
24	MP3B	Mx	-.002	60
25	MP3C	X	-10.304	60
26	MP3C	Z	0	60
27	MP3C	Mx	-.000895	60
28	MP2A	X	-13.87	18
29	MP2A	Z	0	18
30	MP2A	Mx	-.007	18
31	MP2B	X	-17.143	18
32	MP2B	Z	0	18
33	MP2B	Mx	.006	18
34	MP2C	X	-19.279	18



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]	
35	MP2C	Z	0	18
36	MP2C	Mx	.002	18
37	MP3A	X	-11.75	18
38	MP3A	Z	0	18
39	MP3A	Mx	-.006	18
40	MP3B	X	-16.267	18
41	MP3B	Z	0	18
42	MP3B	Mx	.005	18
43	MP3C	X	-19.215	18
44	MP3C	Z	0	18
45	MP3C	Mx	.002	18
46	MP2A	X	-28.603	6
47	MP2A	Z	0	6
48	MP2A	Mx	.014	6
49	MP2A	X	-28.603	54
50	MP2A	Z	0	54
51	MP2A	Mx	.014	54
52	MP2B	X	-35.966	6
53	MP2B	Z	0	6
54	MP2B	Mx	.005	6
55	MP2B	X	-35.966	54
56	MP2B	Z	0	54
57	MP2B	Mx	.005	54
58	MP2C	X	-40.772	6
59	MP2C	Z	0	6
60	MP2C	Mx	-.027	6
61	MP2C	X	-40.772	54
62	MP2C	Z	0	54
63	MP2C	Mx	-.027	54
64	MP2A	X	-28.603	6
65	MP2A	Z	0	6
66	MP2A	Mx	.014	6
67	MP2A	X	-28.603	54
68	MP2A	Z	0	54
69	MP2A	Mx	.014	54
70	MP2B	X	-35.966	6
71	MP2B	Z	0	6
72	MP2B	Mx	-.028	6
73	MP2B	X	-35.966	54
74	MP2B	Z	0	54
75	MP2B	Mx	-.028	54
76	MP2C	X	-40.772	6
77	MP2C	Z	0	6
78	MP2C	Mx	.02	6
79	MP2C	X	-40.772	54
80	MP2C	Z	0	54
81	MP2C	Mx	.02	54
82	MP2A	X	-4.156	48
83	MP2A	Z	0	48
84	MP2A	Mx	-.002	48
85	MP2B	X	-4.844	48
86	MP2B	Z	0	48
87	MP2B	Mx	.002	48
88	MP2C	X	-5.293	48
89	MP2C	Z	0	48
90	MP2C	Mx	.00046	48
91	OVP	X	-38.704	12



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
92	OVP	Z	0	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
1	MP3A	X	-11.323	12
2	MP3A	Z	-6.538	12
3	MP3A	Mx	.006	12
4	MP3A	X	-11.323	24
5	MP3A	Z	-6.538	24
6	MP3A	Mx	.006	24
7	MP3B	X	-18.961	12
8	MP3B	Z	-10.947	12
9	MP3B	Mx	-.002	12
10	MP3B	X	-18.961	24
11	MP3B	Z	-10.947	24
12	MP3B	Mx	-.002	24
13	MP3C	X	-14.897	12
14	MP3C	Z	-8.601	12
15	MP3C	Mx	-.006	12
16	MP3C	X	-14.897	24
17	MP3C	Z	-8.601	24
18	MP3C	Mx	-.006	24
19	MP3A	X	-4.687	60
20	MP3A	Z	-2.706	60
21	MP3A	Mx	.002	60
22	MP3B	X	-8.924	60
23	MP3B	Z	-5.152	60
24	MP3B	Mx	-.000895	60
25	MP3C	X	-6.67	60
26	MP3C	Z	-3.851	60
27	MP3C	Mx	-.002	60
28	MP2A	X	-13.219	18
29	MP2A	Z	-7.632	18
30	MP2A	Mx	-.007	18
31	MP2B	X	-16.696	18
32	MP2B	Z	-9.64	18
33	MP2B	Mx	.002	18
34	MP2C	X	-14.846	18
35	MP2C	Z	-8.571	18
36	MP2C	Mx	.006	18
37	MP3A	X	-11.842	18
38	MP3A	Z	-6.837	18
39	MP3A	Mx	-.006	18
40	MP3B	X	-16.641	18
41	MP3B	Z	-9.608	18
42	MP3B	Mx	.002	18
43	MP3C	X	-14.088	18
44	MP3C	Z	-8.133	18
45	MP3C	Mx	.005	18
46	MP2A	X	-27.487	6
47	MP2A	Z	-15.87	6
48	MP2A	Mx	.004	6
49	MP2A	X	-27.487	54
50	MP2A	Z	-15.87	54
51	MP2A	Mx	.004	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
52	MP2B	X	-35.31	6
53	MP2B	Z	-20.386	6
54	MP2B	Mx	.02	6
55	MP2B	X	-35.31	54
56	MP2B	Z	-20.386	54
57	MP2B	Mx	.02	54
58	MP2C	X	-31.147	6
59	MP2C	Z	-17.983	6
60	MP2C	Mx	-.028	6
61	MP2C	X	-31.147	54
62	MP2C	Z	-17.983	54
63	MP2C	Mx	-.028	54
64	MP2A	X	-27.487	6
65	MP2A	Z	-15.87	6
66	MP2A	Mx	.023	6
67	MP2A	X	-27.487	54
68	MP2A	Z	-15.87	54
69	MP2A	Mx	.023	54
70	MP2B	X	-35.31	6
71	MP2B	Z	-20.386	6
72	MP2B	Mx	-.027	6
73	MP2B	X	-35.31	54
74	MP2B	Z	-20.386	54
75	MP2B	Mx	-.027	54
76	MP2C	X	-31.147	6
77	MP2C	Z	-17.983	6
78	MP2C	Mx	.005	6
79	MP2C	X	-31.147	54
80	MP2C	Z	-17.983	54
81	MP2C	Mx	.005	54
82	MP2A	X	-3.853	48
83	MP2A	Z	-2.224	48
84	MP2A	Mx	-.002	48
85	MP2B	X	-4.584	48
86	MP2B	Z	-2.647	48
87	MP2B	Mx	.000459	48
88	MP2C	X	-4.195	48
89	MP2C	Z	-2.422	48
90	MP2C	Mx	.002	48
91	OVP	X	-31.784	12
92	OVP	Z	-18.35	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-9.6	12
2	MP3A	Z	-16.628	12
3	MP3A	Mx	.005	12
4	MP3A	X	-9.6	24
5	MP3A	Z	-16.628	24
6	MP3A	Mx	.005	24
7	MP3B	X	-10.415	12
8	MP3B	Z	-18.04	12
9	MP3B	Mx	.004	12
10	MP3B	X	-10.415	24
11	MP3B	Z	-18.04	24



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
12	MP3B	Mx	.004	24
13	MP3C	X	-5.723	12
14	MP3C	Z	-9.912	12
15	MP3C	Mx	-.005	12
16	MP3C	X	-5.723	24
17	MP3C	Z	-9.912	24
18	MP3C	Mx	-.005	24
19	MP3A	X	-4.405	60
20	MP3A	Z	-7.63	60
21	MP3A	Mx	.002	60
22	MP3B	X	-4.857	60
23	MP3B	Z	-8.413	60
24	MP3B	Mx	.002	60
25	MP3C	X	-2.254	60
26	MP3C	Z	-3.904	60
27	MP3C	Mx	-.002	60
28	MP2A	X	-9.026	18
29	MP2A	Z	-15.634	18
30	MP2A	Mx	-.005	18
31	MP2B	X	-9.397	18
32	MP2B	Z	-16.277	18
33	MP2B	Mx	-.003	18
34	MP2C	X	-7.261	18
35	MP2C	Z	-12.577	18
36	MP2C	Mx	.007	18
37	MP3A	X	-8.761	18
38	MP3A	Z	-15.175	18
39	MP3A	Mx	-.004	18
40	MP3B	X	-9.273	18
41	MP3B	Z	-16.062	18
42	MP3B	Mx	-.003	18
43	MP3C	X	-6.325	18
44	MP3C	Z	-10.956	18
45	MP3C	Mx	.006	18
46	MP2A	X	-19.007	6
47	MP2A	Z	-32.921	6
48	MP2A	Mx	-.01	6
49	MP2A	X	-19.007	54
50	MP2A	Z	-32.921	54
51	MP2A	Mx	-.01	54
52	MP2B	X	-19.841	6
53	MP2B	Z	-34.366	6
54	MP2B	Mx	.029	6
55	MP2B	X	-19.841	54
56	MP2B	Z	-34.366	54
57	MP2B	Mx	.029	54
58	MP2C	X	-15.035	6
59	MP2C	Z	-26.042	6
60	MP2C	Mx	-.02	6
61	MP2C	X	-15.035	54
62	MP2C	Z	-26.042	54
63	MP2C	Mx	-.02	54
64	MP2A	X	-19.007	6
65	MP2A	Z	-32.921	6
66	MP2A	Mx	.029	6
67	MP2A	X	-19.007	54
68	MP2A	Z	-32.921	54





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
69	MP2A	Mx	.029	54
70	MP2B	X	-19.841	6
71	MP2B	Z	-34.366	6
72	MP2B	Mx	-.015	6
73	MP2B	X	-19.841	54
74	MP2B	Z	-34.366	54
75	MP2B	Mx	-.015	54
76	MP2C	X	-15.035	6
77	MP2C	Z	-26.042	6
78	MP2C	Mx	-.008	6
79	MP2C	X	-15.035	54
80	MP2C	Z	-26.042	54
81	MP2C	Mx	-.008	54
82	MP2A	X	-2.518	48
83	MP2A	Z	-4.361	48
84	MP2A	Mx	-.001	48
85	MP2B	X	-2.596	48
86	MP2B	Z	-4.496	48
87	MP2B	Mx	-.000888	48
88	MP2C	X	-2.146	48
89	MP2C	Z	-3.718	48
90	MP2C	Mx	.002	48
91	OVP	X	-16.347	12
92	OVP	Z	-28.314	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
1	MP3A	X	0	12
2	MP3A	Z	-6.574	12
3	MP3A	Mx	0	12
4	MP3A	X	0	24
5	MP3A	Z	-6.574	24
6	MP3A	Mx	0	24
7	MP3B	X	0	12
8	MP3B	Z	-4.226	12
9	MP3B	Mx	.002	12
10	MP3B	X	0	24
11	MP3B	Z	-4.226	24
12	MP3B	Mx	.002	24
13	MP3C	X	0	12
14	MP3C	Z	-2.694	12
15	MP3C	Mx	-.001	12
16	MP3C	X	0	24
17	MP3C	Z	-2.694	24
18	MP3C	Mx	-.001	24
19	MP3A	X	0	60
20	MP3A	Z	-2.49	60
21	MP3A	Mx	0	60
22	MP3B	X	0	60
23	MP3B	Z	-1.315	60
24	MP3B	Mx	.000504	60
25	MP3C	X	0	60
26	MP3C	Z	-.549	60
27	MP3C	Mx	-.00027	60
28	MP2A	X	0	18



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
29	MP2A	Z	-5.231	18
30	MP2A	Mx	0	18
31	MP2B	X	0	18
32	MP2B	Z	-4.213	18
33	MP2B	Mx	-.002	18
34	MP2C	X	0	18
35	MP2C	Z	-3.549	18
36	MP2C	Mx	.002	18
37	MP3A	X	0	18
38	MP3A	Z	-5.231	18
39	MP3A	Mx	0	18
40	MP3B	X	0	18
41	MP3B	Z	-3.823	18
42	MP3B	Mx	-.001	18
43	MP3C	X	0	18
44	MP3C	Z	-2.905	18
45	MP3C	Mx	.001	18
46	MP2A	X	0	6
47	MP2A	Z	-12.741	6
48	MP2A	Mx	-.007	6
49	MP2A	X	0	54
50	MP2A	Z	-12.741	54
51	MP2A	Mx	-.007	54
52	MP2B	X	0	6
53	MP2B	Z	-10.175	6
54	MP2B	Mx	.008	6
55	MP2B	X	0	54
56	MP2B	Z	-10.175	54
57	MP2B	Mx	.008	54
58	MP2C	X	0	6
59	MP2C	Z	-8.5	6
60	MP2C	Mx	-.003	6
61	MP2C	X	0	54
62	MP2C	Z	-8.5	54
63	MP2C	Mx	-.003	54
64	MP2A	X	0	6
65	MP2A	Z	-12.741	6
66	MP2A	Mx	.007	6
67	MP2A	X	0	54
68	MP2A	Z	-12.741	54
69	MP2A	Mx	.007	54
70	MP2B	X	0	6
71	MP2B	Z	-10.175	6
72	MP2B	Mx	8.2e-5	6
73	MP2B	X	0	54
74	MP2B	Z	-10.175	54
75	MP2B	Mx	8.2e-5	54
76	MP2C	X	0	6
77	MP2C	Z	-8.5	6
78	MP2C	Mx	-.005	6
79	MP2C	X	0	54
80	MP2C	Z	-8.5	54
81	MP2C	Mx	-.005	54
82	MP2A	X	0	48
83	MP2A	Z	-1.035	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
86	MP2B	Z	-.848	48
87	MP2B	Mx	-.000325	48
88	MP2C	X	0	48
89	MP2C	Z	-.726	48
90	MP2C	Mx	.000357	48
91	OVP	X	0	12
92	OVP	Z	-8.664	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	2.787	12
2	MP3A	Z	-4.827	12
3	MP3A	Mx	-.001	12
4	MP3A	X	2.787	24
5	MP3A	Z	-4.827	24
6	MP3A	Mx	-.001	24
7	MP3B	X	1.347	12
8	MP3B	Z	-2.333	12
9	MP3B	Mx	.001	12
10	MP3B	X	1.347	24
11	MP3B	Z	-2.333	24
12	MP3B	Mx	.001	24
13	MP3C	X	2.113	12
14	MP3C	Z	-3.66	12
15	MP3C	Mx	-.002	12
16	MP3C	X	2.113	24
17	MP3C	Z	-3.66	24
18	MP3C	Mx	-.002	24
19	MP3A	X	.995	60
20	MP3A	Z	-1.723	60
21	MP3A	Mx	-.000498	60
22	MP3B	X	.274	60
23	MP3B	Z	-.475	60
24	MP3B	Mx	.00027	60
25	MP3C	X	.658	60
26	MP3C	Z	-1.139	60
27	MP3C	Mx	-.000504	60
28	MP2A	X	2.399	18
29	MP2A	Z	-4.155	18
30	MP2A	Mx	.001	18
31	MP2B	X	1.774	18
32	MP2B	Z	-3.073	18
33	MP2B	Mx	-.002	18
34	MP2C	X	2.107	18
35	MP2C	Z	-3.649	18
36	MP2C	Mx	.002	18
37	MP3A	X	2.316	18
38	MP3A	Z	-4.011	18
39	MP3A	Mx	.001	18
40	MP3B	X	1.452	18
41	MP3B	Z	-2.515	18
42	MP3B	Mx	-.001	18
43	MP3C	X	1.912	18
44	MP3C	Z	-3.311	18
45	MP3C	Mx	.001	18



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
46	MP2A	X	5.824	6
47	MP2A	Z	-10.088	6
48	MP2A	Mx	-.009	6
49	MP2A	X	5.824	54
50	MP2A	Z	-10.088	54
51	MP2A	Mx	-.009	54
52	MP2B	X	4.25	6
53	MP2B	Z	-7.361	6
54	MP2B	Mx	.005	6
55	MP2B	X	4.25	54
56	MP2B	Z	-7.361	54
57	MP2B	Mx	.005	54
58	MP2C	X	5.088	6
59	MP2C	Z	-8.812	6
60	MP2C	Mx	-8.2e-5	6
61	MP2C	X	5.088	54
62	MP2C	Z	-8.812	54
63	MP2C	Mx	-8.2e-5	54
64	MP2A	X	5.824	6
65	MP2A	Z	-10.088	6
66	MP2A	Mx	.003	6
67	MP2A	X	5.824	54
68	MP2A	Z	-10.088	54
69	MP2A	Mx	.003	54
70	MP2B	X	4.25	6
71	MP2B	Z	-7.361	6
72	MP2B	Mx	.003	6
73	MP2B	X	4.25	54
74	MP2B	Z	-7.361	54
75	MP2B	Mx	.003	54
76	MP2C	X	5.088	6
77	MP2C	Z	-8.812	6
78	MP2C	Mx	-.008	6
79	MP2C	X	5.088	54
80	MP2C	Z	-8.812	54
81	MP2C	Mx	-.008	54
82	MP2A	X	.478	48
83	MP2A	Z	-.827	48
84	MP2A	Mx	.000239	48
85	MP2B	X	.363	48
86	MP2B	Z	-.628	48
87	MP2B	Mx	-.000357	48
88	MP2C	X	.424	48
89	MP2C	Z	-.734	48
90	MP2C	Mx	.000325	48
91	OVP	X	4.669	12
92	OVP	Z	-8.087	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	3.095	12
2	MP3A	Z	-1.787	12
3	MP3A	Mx	-.002	12
4	MP3A	X	3.095	24
5	MP3A	Z	-1.787	24



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
6	MP3A	Mx	24
7	MP3B	X	12
8	MP3B	Z	12
9	MP3B	Mx	12
10	MP3B	X	24
11	MP3B	Z	24
12	MP3B	Mx	24
13	MP3C	X	12
14	MP3C	Z	12
15	MP3C	Mx	12
16	MP3C	X	24
17	MP3C	Z	24
18	MP3C	Mx	24
19	MP3A	X	60
20	MP3A	Z	60
21	MP3A	Mx	60
22	MP3B	X	60
23	MP3B	Z	60
24	MP3B	Mx	60
25	MP3C	X	60
26	MP3C	Z	60
27	MP3C	Mx	60
28	MP2A	X	18
29	MP2A	Z	18
30	MP2A	Mx	18
31	MP2B	X	18
32	MP2B	Z	18
33	MP2B	Mx	18
34	MP2C	X	18
35	MP2C	Z	18
36	MP2C	Mx	18
37	MP3A	X	18
38	MP3A	Z	18
39	MP3A	Mx	18
40	MP3B	X	18
41	MP3B	Z	18
42	MP3B	Mx	18
43	MP3C	X	18
44	MP3C	Z	18
45	MP3C	Mx	18
46	MP2A	X	6
47	MP2A	Z	6
48	MP2A	Mx	6
49	MP2A	X	54
50	MP2A	Z	54
51	MP2A	Mx	54
52	MP2B	X	6
53	MP2B	Z	6
54	MP2B	Mx	6
55	MP2B	X	54
56	MP2B	Z	54
57	MP2B	Mx	54
58	MP2C	X	6
59	MP2C	Z	6
60	MP2C	Mx	6
61	MP2C	X	54
62	MP2C	Z	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
63	MP2C	Mx	.005	54
64	MP2A	X	8.194	6
65	MP2A	Z	-4.731	6
66	MP2A	Mx	-.001	6
67	MP2A	X	8.194	54
68	MP2A	Z	-4.731	54
69	MP2A	Mx	-.001	54
70	MP2B	X	7.69	6
71	MP2B	Z	-4.44	6
72	MP2B	Mx	.006	6
73	MP2B	X	7.69	54
74	MP2B	Z	-4.44	54
75	MP2B	Mx	.006	54
76	MP2C	X	10.591	6
77	MP2C	Z	-6.115	6
78	MP2C	Mx	-.009	6
79	MP2C	X	10.591	54
80	MP2C	Z	-6.115	54
81	MP2C	Mx	-.009	54
82	MP2A	X	.689	48
83	MP2A	Z	-.398	48
84	MP2A	Mx	.000344	48
85	MP2B	X	.652	48
86	MP2B	Z	-.377	48
87	MP2B	Mx	-.000354	48
88	MP2C	X	.864	48
89	MP2C	Z	-.499	48
90	MP2C	Mx	.000171	48
91	OVP	X	9.252	12
92	OVP	Z	-5.342	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	2.574	12
2	MP3A	Z	0	12
3	MP3A	Mx	-.001	12
4	MP3A	X	2.574	24
5	MP3A	Z	0	24
6	MP3A	Mx	-.001	24
7	MP3B	X	4.921	12
8	MP3B	Z	0	12
9	MP3B	Mx	.002	12
10	MP3B	X	4.921	24
11	MP3B	Z	0	24
12	MP3B	Mx	.002	24
13	MP3C	X	6.453	12
14	MP3C	Z	0	12
15	MP3C	Mx	.00056	12
16	MP3C	X	6.453	24
17	MP3C	Z	0	24
18	MP3C	Mx	.00056	24
19	MP3A	X	.488	60
20	MP3A	Z	0	60
21	MP3A	Mx	-.000244	60
22	MP3B	X	1.663	60



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]	
23	MP3B	Z	0	60
24	MP3B	Mx	.000534	60
25	MP3C	X	2.429	60
26	MP3C	Z	0	60
27	MP3C	Mx	.000211	60
28	MP2A	X	3.497	18
29	MP2A	Z	0	18
30	MP2A	Mx	.002	18
31	MP2B	X	4.514	18
32	MP2B	Z	0	18
33	MP2B	Mx	-.001	18
34	MP2C	X	5.179	18
35	MP2C	Z	0	18
36	MP2C	Mx	-.00045	18
37	MP3A	X	2.832	18
38	MP3A	Z	0	18
39	MP3A	Mx	.001	18
40	MP3B	X	4.24	18
41	MP3B	Z	0	18
42	MP3B	Mx	-.001	18
43	MP3C	X	5.159	18
44	MP3C	Z	0	18
45	MP3C	Mx	-.000448	18
46	MP2A	X	8.368	6
47	MP2A	Z	0	6
48	MP2A	Mx	-.004	6
49	MP2A	X	8.368	54
50	MP2A	Z	0	54
51	MP2A	Mx	-.004	54
52	MP2B	X	10.935	6
53	MP2B	Z	0	6
54	MP2B	Mx	-.001	6
55	MP2B	X	10.935	54
56	MP2B	Z	0	54
57	MP2B	Mx	-.001	54
58	MP2C	X	12.61	6
59	MP2C	Z	0	6
60	MP2C	Mx	.008	6
61	MP2C	X	12.61	54
62	MP2C	Z	0	54
63	MP2C	Mx	.008	54
64	MP2A	X	8.368	6
65	MP2A	Z	0	6
66	MP2A	Mx	-.004	6
67	MP2A	X	8.368	54
68	MP2A	Z	0	54
69	MP2A	Mx	-.004	54
70	MP2B	X	10.935	6
71	MP2B	Z	0	6
72	MP2B	Mx	.008	6
73	MP2B	X	10.935	54
74	MP2B	Z	0	54
75	MP2B	Mx	.008	54
76	MP2C	X	12.61	6
77	MP2C	Z	0	6
78	MP2C	Mx	-.006	6
79	MP2C	X	12.61	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
80	MP2C	Z	0	54
81	MP2C	Mx	-.006	54
82	MP2A	X	.716	48
83	MP2A	Z	0	48
84	MP2A	Mx	.000358	48
85	MP2B	X	.903	48
86	MP2B	Z	0	48
87	MP2B	Mx	-.00029	48
88	MP2C	X	1.025	48
89	MP2C	Z	0	48
90	MP2C	Mx	-8.9e-5	48
91	OVP	X	11.357	12
92	OVP	Z	0	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP3A	X	3.095	12
2	MP3A	Z	1.787	12
3	MP3A	Mx	-.002	12
4	MP3A	X	3.095	24
5	MP3A	Z	1.787	24
6	MP3A	Mx	-.002	24
7	MP3B	X	5.588	12
8	MP3B	Z	3.226	12
9	MP3B	Mx	.00056	12
10	MP3B	X	5.588	24
11	MP3B	Z	3.226	24
12	MP3B	Mx	.00056	24
13	MP3C	X	4.262	12
14	MP3C	Z	2.46	12
15	MP3C	Mx	.002	12
16	MP3C	X	4.262	24
17	MP3C	Z	2.46	24
18	MP3C	Mx	.002	24
19	MP3A	X	.856	60
20	MP3A	Z	.494	60
21	MP3A	Mx	-.000428	60
22	MP3B	X	2.104	60
23	MP3B	Z	1.215	60
24	MP3B	Mx	.000211	60
25	MP3C	X	1.44	60
26	MP3C	Z	.831	60
27	MP3C	Mx	.000534	60
28	MP2A	X	3.404	18
29	MP2A	Z	1.965	18
30	MP2A	Mx	.002	18
31	MP2B	X	4.485	18
32	MP2B	Z	2.589	18
33	MP2B	Mx	-.00045	18
34	MP2C	X	3.909	18
35	MP2C	Z	2.257	18
36	MP2C	Mx	-.001	18
37	MP3A	X	2.972	18
38	MP3A	Z	1.716	18
39	MP3A	Mx	.001	18





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
40	MP3B	X	4.467	18
41	MP3B	Z	2.579	18
42	MP3B	Mx	-.000448	18
43	MP3C	X	3.672	18
44	MP3C	Z	2.12	18
45	MP3C	Mx	-.001	18
46	MP2A	X	8.194	6
47	MP2A	Z	4.731	6
48	MP2A	Mx	-.001	6
49	MP2A	X	8.194	54
50	MP2A	Z	4.731	54
51	MP2A	Mx	-.001	54
52	MP2B	X	10.92	6
53	MP2B	Z	6.305	6
54	MP2B	Mx	-.006	6
55	MP2B	X	10.92	54
56	MP2B	Z	6.305	54
57	MP2B	Mx	-.006	54
58	MP2C	X	9.47	6
59	MP2C	Z	5.467	6
60	MP2C	Mx	.008	6
61	MP2C	X	9.47	54
62	MP2C	Z	5.467	54
63	MP2C	Mx	.008	54
64	MP2A	X	8.194	6
65	MP2A	Z	4.731	6
66	MP2A	Mx	-.007	6
67	MP2A	X	8.194	54
68	MP2A	Z	4.731	54
69	MP2A	Mx	-.007	54
70	MP2B	X	10.92	6
71	MP2B	Z	6.305	6
72	MP2B	Mx	.008	6
73	MP2B	X	10.92	54
74	MP2B	Z	6.305	54
75	MP2B	Mx	.008	54
76	MP2C	X	9.47	6
77	MP2C	Z	5.467	6
78	MP2C	Mx	-.001	6
79	MP2C	X	9.47	54
80	MP2C	Z	5.467	54
81	MP2C	Mx	-.001	54
82	MP2A	X	.689	48
83	MP2A	Z	.398	48
84	MP2A	Mx	.000344	48
85	MP2B	X	.888	48
86	MP2B	Z	.513	48
87	MP2B	Mx	-8.9e-5	48
88	MP2C	X	.782	48
89	MP2C	Z	.452	48
90	MP2C	Mx	-.00029	48
91	OVP	X	9.252	12
92	OVP	Z	5.342	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
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**Member Point Loads (BLC 32 : Antenna Wm (150 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	2.787	12
2	MP3A	Z	4.827	12
3	MP3A	Mx	-.001	12
4	MP3A	X	2.787	24
5	MP3A	Z	4.827	24
6	MP3A	Mx	-.001	24
7	MP3B	X	3.053	12
8	MP3B	Z	5.288	12
9	MP3B	Mx	-.001	12
10	MP3B	X	3.053	24
11	MP3B	Z	5.288	24
12	MP3B	Mx	-.001	24
13	MP3C	X	1.521	12
14	MP3C	Z	2.634	12
15	MP3C	Mx	.001	12
16	MP3C	X	1.521	24
17	MP3C	Z	2.634	24
18	MP3C	Mx	.001	24
19	MP3A	X	.995	60
20	MP3A	Z	1.723	60
21	MP3A	Mx	-.000498	60
22	MP3B	X	1.128	60
23	MP3B	Z	1.953	60
24	MP3B	Mx	-.000386	60
25	MP3C	X	.361	60
26	MP3C	Z	.626	60
27	MP3C	Mx	.00034	60
28	MP2A	X	2.399	18
29	MP2A	Z	4.155	18
30	MP2A	Mx	.001	18
31	MP2B	X	2.514	18
32	MP2B	Z	4.354	18
33	MP2B	Mx	.00086	18
34	MP2C	X	1.85	18
35	MP2C	Z	3.204	18
36	MP2C	Mx	-.002	18
37	MP3A	X	2.316	18
38	MP3A	Z	4.011	18
39	MP3A	Mx	.001	18
40	MP3B	X	2.475	18
41	MP3B	Z	4.287	18
42	MP3B	Mx	.000847	18
43	MP3C	X	1.556	18
44	MP3C	Z	2.696	18
45	MP3C	Mx	-.001	18
46	MP2A	X	5.824	6
47	MP2A	Z	10.088	6
48	MP2A	Mx	.003	6
49	MP2A	X	5.824	54
50	MP2A	Z	10.088	54
51	MP2A	Mx	.003	54
52	MP2B	X	6.115	6
53	MP2B	Z	10.591	6
54	MP2B	Mx	-.009	6
55	MP2B	X	6.115	54
56	MP2B	Z	10.591	54
57	MP2B	Mx	-.009	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
58	MP2C	X	4.44	6
59	MP2C	Z	7.69	6
60	MP2C	Mx	.006	6
61	MP2C	X	4.44	54
62	MP2C	Z	7.69	54
63	MP2C	Mx	.006	54
64	MP2A	X	5.824	6
65	MP2A	Z	10.088	6
66	MP2A	Mx	-.009	6
67	MP2A	X	5.824	54
68	MP2A	Z	10.088	54
69	MP2A	Mx	-.009	54
70	MP2B	X	6.115	6
71	MP2B	Z	10.591	6
72	MP2B	Mx	.005	6
73	MP2B	X	6.115	54
74	MP2B	Z	10.591	54
75	MP2B	Mx	.005	54
76	MP2C	X	4.44	6
77	MP2C	Z	7.69	6
78	MP2C	Mx	.002	6
79	MP2C	X	4.44	54
80	MP2C	Z	7.69	54
81	MP2C	Mx	.002	54
82	MP2A	X	.478	48
83	MP2A	Z	.827	48
84	MP2A	Mx	.000239	48
85	MP2B	X	.499	48
86	MP2B	Z	.864	48
87	MP2B	Mx	.000171	48
88	MP2C	X	.377	48
89	MP2C	Z	.652	48
90	MP2C	Mx	-.000354	48
91	OVP	X	4.669	12
92	OVP	Z	8.087	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	0	12
2	MP3A	Z	6.574	12
3	MP3A	Mx	0	12
4	MP3A	X	0	24
5	MP3A	Z	6.574	24
6	MP3A	Mx	0	24
7	MP3B	X	0	12
8	MP3B	Z	4.226	12
9	MP3B	Mx	-.002	12
10	MP3B	X	0	24
11	MP3B	Z	4.226	24
12	MP3B	Mx	-.002	24
13	MP3C	X	0	12
14	MP3C	Z	2.694	12
15	MP3C	Mx	.001	12
16	MP3C	X	0	24
17	MP3C	Z	2.694	24



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
18	MP3C	Mx	24
19	MP3A	X	60
20	MP3A	Z	60
21	MP3A	Mx	60
22	MP3B	X	60
23	MP3B	Z	60
24	MP3B	Mx	60
25	MP3C	X	60
26	MP3C	Z	60
27	MP3C	Mx	60
28	MP2A	X	18
29	MP2A	Z	18
30	MP2A	Mx	18
31	MP2B	X	18
32	MP2B	Z	18
33	MP2B	Mx	18
34	MP2C	X	18
35	MP2C	Z	18
36	MP2C	Mx	18
37	MP3A	X	18
38	MP3A	Z	18
39	MP3A	Mx	18
40	MP3B	X	18
41	MP3B	Z	18
42	MP3B	Mx	18
43	MP3C	X	18
44	MP3C	Z	18
45	MP3C	Mx	18
46	MP2A	X	6
47	MP2A	Z	6
48	MP2A	Mx	6
49	MP2A	X	54
50	MP2A	Z	54
51	MP2A	Mx	54
52	MP2B	X	6
53	MP2B	Z	6
54	MP2B	Mx	6
55	MP2B	X	54
56	MP2B	Z	54
57	MP2B	Mx	54
58	MP2C	X	6
59	MP2C	Z	6
60	MP2C	Mx	6
61	MP2C	X	54
62	MP2C	Z	54
63	MP2C	Mx	54
64	MP2A	X	6
65	MP2A	Z	6
66	MP2A	Mx	6
67	MP2A	X	54
68	MP2A	Z	54
69	MP2A	Mx	54
70	MP2B	X	6
71	MP2B	Z	6
72	MP2B	Mx	6
73	MP2B	X	54
74	MP2B	Z	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
75	MP2B	Mx	-8.2e-5	54
76	MP2C	X	0	6
77	MP2C	Z	8.5	6
78	MP2C	Mx	.005	6
79	MP2C	X	0	54
80	MP2C	Z	8.5	54
81	MP2C	Mx	.005	54
82	MP2A	X	0	48
83	MP2A	Z	1.035	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48
86	MP2B	Z	.848	48
87	MP2B	Mx	.000325	48
88	MP2C	X	0	48
89	MP2C	Z	.726	48
90	MP2C	Mx	-.000357	48
91	OVP	X	0	12
92	OVP	Z	8.664	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-2.787	12
2	MP3A	Z	4.827	12
3	MP3A	Mx	.001	12
4	MP3A	X	-2.787	24
5	MP3A	Z	4.827	24
6	MP3A	Mx	.001	24
7	MP3B	X	-1.347	12
8	MP3B	Z	2.333	12
9	MP3B	Mx	-.001	12
10	MP3B	X	-1.347	24
11	MP3B	Z	2.333	24
12	MP3B	Mx	-.001	24
13	MP3C	X	-2.113	12
14	MP3C	Z	3.66	12
15	MP3C	Mx	.002	12
16	MP3C	X	-2.113	24
17	MP3C	Z	3.66	24
18	MP3C	Mx	.002	24
19	MP3A	X	-.995	60
20	MP3A	Z	1.723	60
21	MP3A	Mx	.000498	60
22	MP3B	X	-.274	60
23	MP3B	Z	.475	60
24	MP3B	Mx	-.00027	60
25	MP3C	X	-.658	60
26	MP3C	Z	1.139	60
27	MP3C	Mx	.000504	60
28	MP2A	X	-2.399	18
29	MP2A	Z	4.155	18
30	MP2A	Mx	-.001	18
31	MP2B	X	-1.774	18
32	MP2B	Z	3.073	18
33	MP2B	Mx	.002	18
34	MP2C	X	-2.107	18



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]	
35	MP2C	Z	3.649	18
36	MP2C	Mx	-0.002	18
37	MP3A	X	-2.316	18
38	MP3A	Z	4.011	18
39	MP3A	Mx	-0.001	18
40	MP3B	X	-1.452	18
41	MP3B	Z	2.515	18
42	MP3B	Mx	.001	18
43	MP3C	X	-1.912	18
44	MP3C	Z	3.311	18
45	MP3C	Mx	-0.001	18
46	MP2A	X	-5.824	6
47	MP2A	Z	10.088	6
48	MP2A	Mx	.009	6
49	MP2A	X	-5.824	54
50	MP2A	Z	10.088	54
51	MP2A	Mx	.009	54
52	MP2B	X	-4.25	6
53	MP2B	Z	7.361	6
54	MP2B	Mx	-0.005	6
55	MP2B	X	-4.25	54
56	MP2B	Z	7.361	54
57	MP2B	Mx	-0.005	54
58	MP2C	X	-5.088	6
59	MP2C	Z	8.812	6
60	MP2C	Mx	8.2e-5	6
61	MP2C	X	-5.088	54
62	MP2C	Z	8.812	54
63	MP2C	Mx	8.2e-5	54
64	MP2A	X	-5.824	6
65	MP2A	Z	10.088	6
66	MP2A	Mx	-0.003	6
67	MP2A	X	-5.824	54
68	MP2A	Z	10.088	54
69	MP2A	Mx	-0.003	54
70	MP2B	X	-4.25	6
71	MP2B	Z	7.361	6
72	MP2B	Mx	-0.003	6
73	MP2B	X	-4.25	54
74	MP2B	Z	7.361	54
75	MP2B	Mx	-0.003	54
76	MP2C	X	-5.088	6
77	MP2C	Z	8.812	6
78	MP2C	Mx	.008	6
79	MP2C	X	-5.088	54
80	MP2C	Z	8.812	54
81	MP2C	Mx	.008	54
82	MP2A	X	-4.78	48
83	MP2A	Z	.827	48
84	MP2A	Mx	-0.000239	48
85	MP2B	X	-.363	48
86	MP2B	Z	.628	48
87	MP2B	Mx	.000357	48
88	MP2C	X	-.424	48
89	MP2C	Z	.734	48
90	MP2C	Mx	-0.000325	48
91	OVP	X	-4.669	12



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

July 13, 2021  
 9:33 AM  
 Checked By: DX

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
92	OVP	Z	8.087	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-3.095	12
2	MP3A	Z	1.787	12
3	MP3A	Mx	.002	12
4	MP3A	X	-3.095	24
5	MP3A	Z	1.787	24
6	MP3A	Mx	.002	24
7	MP3B	X	-2.634	12
8	MP3B	Z	1.521	12
9	MP3B	Mx	-.001	12
10	MP3B	X	-2.634	24
11	MP3B	Z	1.521	24
12	MP3B	Mx	-.001	24
13	MP3C	X	-5.288	12
14	MP3C	Z	3.053	12
15	MP3C	Mx	.001	12
16	MP3C	X	-5.288	24
17	MP3C	Z	3.053	24
18	MP3C	Mx	.001	24
19	MP3A	X	-.856	60
20	MP3A	Z	.494	60
21	MP3A	Mx	.000428	60
22	MP3B	X	-.626	60
23	MP3B	Z	.361	60
24	MP3B	Mx	-.000339	60
25	MP3C	X	-1.953	60
26	MP3C	Z	1.128	60
27	MP3C	Mx	.000386	60
28	MP2A	X	-3.404	18
29	MP2A	Z	1.965	18
30	MP2A	Mx	-.002	18
31	MP2B	X	-3.204	18
32	MP2B	Z	1.85	18
33	MP2B	Mx	.002	18
34	MP2C	X	-4.354	18
35	MP2C	Z	2.514	18
36	MP2C	Mx	-.00086	18
37	MP3A	X	-2.972	18
38	MP3A	Z	1.716	18
39	MP3A	Mx	-.001	18
40	MP3B	X	-2.696	18
41	MP3B	Z	1.556	18
42	MP3B	Mx	.001	18
43	MP3C	X	-4.287	18
44	MP3C	Z	2.475	18
45	MP3C	Mx	-.000846	18
46	MP2A	X	-8.194	6
47	MP2A	Z	4.731	6
48	MP2A	Mx	.007	6
49	MP2A	X	-8.194	54
50	MP2A	Z	4.731	54
51	MP2A	Mx	.007	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
52	MP2B	X	-7.69	6
53	MP2B	Z	4.44	6
54	MP2B	Mx	-.002	6
55	MP2B	X	-7.69	54
56	MP2B	Z	4.44	54
57	MP2B	Mx	-.002	54
58	MP2C	X	-10.591	6
59	MP2C	Z	6.115	6
60	MP2C	Mx	-.005	6
61	MP2C	X	-10.591	54
62	MP2C	Z	6.115	54
63	MP2C	Mx	-.005	54
64	MP2A	X	-8.194	6
65	MP2A	Z	4.731	6
66	MP2A	Mx	.001	6
67	MP2A	X	-8.194	54
68	MP2A	Z	4.731	54
69	MP2A	Mx	.001	54
70	MP2B	X	-7.69	6
71	MP2B	Z	4.44	6
72	MP2B	Mx	-.006	6
73	MP2B	X	-7.69	54
74	MP2B	Z	4.44	54
75	MP2B	Mx	-.006	54
76	MP2C	X	-10.591	6
77	MP2C	Z	6.115	6
78	MP2C	Mx	.009	6
79	MP2C	X	-10.591	54
80	MP2C	Z	6.115	54
81	MP2C	Mx	.009	54
82	MP2A	X	-.689	48
83	MP2A	Z	.398	48
84	MP2A	Mx	-.000344	48
85	MP2B	X	-.652	48
86	MP2B	Z	.377	48
87	MP2B	Mx	.000354	48
88	MP2C	X	-.864	48
89	MP2C	Z	.499	48
90	MP2C	Mx	-.000171	48
91	OVP	X	-9.252	12
92	OVP	Z	5.342	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-2.574	12
2	MP3A	Z	0	12
3	MP3A	Mx	.001	12
4	MP3A	X	-2.574	24
5	MP3A	Z	0	24
6	MP3A	Mx	.001	24
7	MP3B	X	-4.921	12
8	MP3B	Z	0	12
9	MP3B	Mx	-.002	12
10	MP3B	X	-4.921	24
11	MP3B	Z	0	24





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

Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
12	MP3B	Mx	24
13	MP3C	X	12
14	MP3C	Z	12
15	MP3C	Mx	12
16	MP3C	X	24
17	MP3C	Z	24
18	MP3C	Mx	24
19	MP3A	X	60
20	MP3A	Z	60
21	MP3A	Mx	60
22	MP3B	X	60
23	MP3B	Z	60
24	MP3B	Mx	60
25	MP3C	X	60
26	MP3C	Z	60
27	MP3C	Mx	60
28	MP2A	X	18
29	MP2A	Z	18
30	MP2A	Mx	18
31	MP2B	X	18
32	MP2B	Z	18
33	MP2B	Mx	18
34	MP2C	X	18
35	MP2C	Z	18
36	MP2C	Mx	18
37	MP3A	X	18
38	MP3A	Z	18
39	MP3A	Mx	18
40	MP3B	X	18
41	MP3B	Z	18
42	MP3B	Mx	18
43	MP3C	X	18
44	MP3C	Z	18
45	MP3C	Mx	18
46	MP2A	X	6
47	MP2A	Z	6
48	MP2A	Mx	6
49	MP2A	X	54
50	MP2A	Z	54
51	MP2A	Mx	54
52	MP2B	X	6
53	MP2B	Z	6
54	MP2B	Mx	6
55	MP2B	X	54
56	MP2B	Z	54
57	MP2B	Mx	54
58	MP2C	X	6
59	MP2C	Z	6
60	MP2C	Mx	6
61	MP2C	X	54
62	MP2C	Z	54
63	MP2C	Mx	54
64	MP2A	X	6
65	MP2A	Z	6
66	MP2A	Mx	6
67	MP2A	X	54
68	MP2A	Z	54



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
69	MP2A	Mx	.004	54
70	MP2B	X	-10.935	6
71	MP2B	Z	0	6
72	MP2B	Mx	-.008	6
73	MP2B	X	-10.935	54
74	MP2B	Z	0	54
75	MP2B	Mx	-.008	54
76	MP2C	X	-12.61	6
77	MP2C	Z	0	6
78	MP2C	Mx	.006	6
79	MP2C	X	-12.61	54
80	MP2C	Z	0	54
81	MP2C	Mx	.006	54
82	MP2A	X	-.716	48
83	MP2A	Z	0	48
84	MP2A	Mx	-.000358	48
85	MP2B	X	-.903	48
86	MP2B	Z	0	48
87	MP2B	Mx	.00029	48
88	MP2C	X	-1.025	48
89	MP2C	Z	0	48
90	MP2C	Mx	8.9e-5	48
91	OVP	X	-11.357	12
92	OVP	Z	0	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-3.095	12
2	MP3A	Z	-1.787	12
3	MP3A	Mx	.002	12
4	MP3A	X	-3.095	24
5	MP3A	Z	-1.787	24
6	MP3A	Mx	.002	24
7	MP3B	X	-5.588	12
8	MP3B	Z	-3.226	12
9	MP3B	Mx	-.00056	12
10	MP3B	X	-5.588	24
11	MP3B	Z	-3.226	24
12	MP3B	Mx	-.00056	24
13	MP3C	X	-4.262	12
14	MP3C	Z	-2.46	12
15	MP3C	Mx	-.002	12
16	MP3C	X	-4.262	24
17	MP3C	Z	-2.46	24
18	MP3C	Mx	-.002	24
19	MP3A	X	-.856	60
20	MP3A	Z	-.494	60
21	MP3A	Mx	.000428	60
22	MP3B	X	-2.104	60
23	MP3B	Z	-1.215	60
24	MP3B	Mx	-.000211	60
25	MP3C	X	-1.44	60
26	MP3C	Z	-.831	60
27	MP3C	Mx	-.000534	60
28	MP2A	X	-3.404	18



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in. %]
29	MP2A	Z	-1.965	18
30	MP2A	Mx	-.002	18
31	MP2B	X	-4.485	18
32	MP2B	Z	-2.589	18
33	MP2B	Mx	.00045	18
34	MP2C	X	-3.909	18
35	MP2C	Z	-2.257	18
36	MP2C	Mx	.001	18
37	MP3A	X	-2.972	18
38	MP3A	Z	-1.716	18
39	MP3A	Mx	-.001	18
40	MP3B	X	-4.467	18
41	MP3B	Z	-2.579	18
42	MP3B	Mx	.000448	18
43	MP3C	X	-3.672	18
44	MP3C	Z	-2.12	18
45	MP3C	Mx	.001	18
46	MP2A	X	-8.194	6
47	MP2A	Z	-4.731	6
48	MP2A	Mx	.001	6
49	MP2A	X	-8.194	54
50	MP2A	Z	-4.731	54
51	MP2A	Mx	.001	54
52	MP2B	X	-10.92	6
53	MP2B	Z	-6.305	6
54	MP2B	Mx	.006	6
55	MP2B	X	-10.92	54
56	MP2B	Z	-6.305	54
57	MP2B	Mx	.006	54
58	MP2C	X	-9.47	6
59	MP2C	Z	-5.467	6
60	MP2C	Mx	-.008	6
61	MP2C	X	-9.47	54
62	MP2C	Z	-5.467	54
63	MP2C	Mx	-.008	54
64	MP2A	X	-8.194	6
65	MP2A	Z	-4.731	6
66	MP2A	Mx	.007	6
67	MP2A	X	-8.194	54
68	MP2A	Z	-4.731	54
69	MP2A	Mx	.007	54
70	MP2B	X	-10.92	6
71	MP2B	Z	-6.305	6
72	MP2B	Mx	-.008	6
73	MP2B	X	-10.92	54
74	MP2B	Z	-6.305	54
75	MP2B	Mx	-.008	54
76	MP2C	X	-9.47	6
77	MP2C	Z	-5.467	6
78	MP2C	Mx	.001	6
79	MP2C	X	-9.47	54
80	MP2C	Z	-5.467	54
81	MP2C	Mx	.001	54
82	MP2A	X	-.689	48
83	MP2A	Z	-.398	48
84	MP2A	Mx	-.000344	48
85	MP2B	X	-.888	48



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
86	MP2B	Z	-513	48
87	MP2B	Mx	8.9e-5	48
88	MP2C	X	-782	48
89	MP2C	Z	-452	48
90	MP2C	Mx	.00029	48
91	OVP	X	-9.252	12
92	OVP	Z	-5.342	12
93	OVP	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP3A	X	-2.787	12
2	MP3A	Z	-4.827	12
3	MP3A	Mx	.001	12
4	MP3A	X	-2.787	24
5	MP3A	Z	-4.827	24
6	MP3A	Mx	.001	24
7	MP3B	X	-3.053	12
8	MP3B	Z	-5.288	12
9	MP3B	Mx	.001	12
10	MP3B	X	-3.053	24
11	MP3B	Z	-5.288	24
12	MP3B	Mx	.001	24
13	MP3C	X	-1.521	12
14	MP3C	Z	-2.634	12
15	MP3C	Mx	-.001	12
16	MP3C	X	-1.521	24
17	MP3C	Z	-2.634	24
18	MP3C	Mx	-.001	24
19	MP3A	X	-.995	60
20	MP3A	Z	-1.723	60
21	MP3A	Mx	.000498	60
22	MP3B	X	-1.128	60
23	MP3B	Z	-1.953	60
24	MP3B	Mx	.000386	60
25	MP3C	X	-.361	60
26	MP3C	Z	-.626	60
27	MP3C	Mx	-.00034	60
28	MP2A	X	-2.399	18
29	MP2A	Z	-4.155	18
30	MP2A	Mx	-.001	18
31	MP2B	X	-2.514	18
32	MP2B	Z	-4.354	18
33	MP2B	Mx	-.00086	18
34	MP2C	X	-1.85	18
35	MP2C	Z	-3.204	18
36	MP2C	Mx	.002	18
37	MP3A	X	-2.316	18
38	MP3A	Z	-4.011	18
39	MP3A	Mx	-.001	18
40	MP3B	X	-2.475	18
41	MP3B	Z	-4.287	18
42	MP3B	Mx	-.000847	18
43	MP3C	X	-1.556	18
44	MP3C	Z	-2.696	18
45	MP3C	Mx	.001	18



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
46	MP2A	X	-5.824	6
47	MP2A	Z	-10.088	6
48	MP2A	Mx	-.003	6
49	MP2A	X	-5.824	54
50	MP2A	Z	-10.088	54
51	MP2A	Mx	-.003	54
52	MP2B	X	-6.115	6
53	MP2B	Z	-10.591	6
54	MP2B	Mx	.009	6
55	MP2B	X	-6.115	54
56	MP2B	Z	-10.591	54
57	MP2B	Mx	.009	54
58	MP2C	X	-4.44	6
59	MP2C	Z	-7.69	6
60	MP2C	Mx	-.006	6
61	MP2C	X	-4.44	54
62	MP2C	Z	-7.69	54
63	MP2C	Mx	-.006	54
64	MP2A	X	-5.824	6
65	MP2A	Z	-10.088	6
66	MP2A	Mx	.009	6
67	MP2A	X	-5.824	54
68	MP2A	Z	-10.088	54
69	MP2A	Mx	.009	54
70	MP2B	X	-6.115	6
71	MP2B	Z	-10.591	6
72	MP2B	Mx	-.005	6
73	MP2B	X	-6.115	54
74	MP2B	Z	-10.591	54
75	MP2B	Mx	-.005	54
76	MP2C	X	-4.44	6
77	MP2C	Z	-7.69	6
78	MP2C	Mx	-.002	6
79	MP2C	X	-4.44	54
80	MP2C	Z	-7.69	54
81	MP2C	Mx	-.002	54
82	MP2A	X	-4.78	48
83	MP2A	Z	-.827	48
84	MP2A	Mx	-.000239	48
85	MP2B	X	-.499	48
86	MP2B	Z	-.864	48
87	MP2B	Mx	-.000171	48
88	MP2C	X	-.377	48
89	MP2C	Z	-.652	48
90	MP2C	Mx	.000354	48
91	OVP	X	-4.669	12
92	OVP	Z	-8.087	12
93	OVP	Mx	0	12

**Member Point Loads (BLC 77 : Lm1)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	LIVE1	Y	-500	0

**Member Point Loads (BLC 78 : Lm2)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	LIVE2	Y	-500	0



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**Member Point Loads (BLC 79 : Lv1)**

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

**Member Point Loads (BLC 80 : Lv2)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	FACE	Y	-250	%50

**Member Distributed Loads (BLC 40 : Structure Di)**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...]
1	M11	Y	-12.619	-12.619	0	%100
2	M20A	Y	-13.786	-13.786	0	%100
3	OVP	Y	-12.619	-12.619	0	%100
4	M15	Y	-12.619	-12.619	0	%100
5	FACE	Y	-12.619	-12.619	0	%100
6	M20	Y	-12.619	-12.619	0	%100
7	M21	Y	-12.619	-12.619	0	%100
8	M20B	Y	-13.786	-13.786	0	%100
9	M21A	Y	-13.786	-13.786	0	%100
10	MP4A	Y	-9.995	-9.995	0	%100
11	MP3A	Y	-9.995	-9.995	0	%100
12	MP2A	Y	-9.995	-9.995	0	%100
13	MP1A	Y	-9.995	-9.995	0	%100
14	MP4C	Y	-9.995	-9.995	0	%100
15	MP3C	Y	-9.995	-9.995	0	%100
16	MP2C	Y	-9.995	-9.995	0	%100
17	MP1C	Y	-9.995	-9.995	0	%100
18	MP4B	Y	-9.995	-9.995	0	%100
19	MP3B	Y	-9.995	-9.995	0	%100
20	MP2B	Y	-9.995	-9.995	0	%100
21	MP1B	Y	-9.995	-9.995	0	%100
22	M43	Y	-11.161	-11.161	0	%100
23	M44	Y	-11.161	-11.161	0	%100
24	M45	Y	-11.161	-11.161	0	%100
25	M64	Y	-14.352	-14.352	0	%100
26	M65	Y	-14.352	-14.352	0	%100
27	M66	Y	-14.352	-14.352	0	%100
28	M67	Y	-19.326	-19.326	0	%100
29	M68	Y	-19.326	-19.326	0	%100
30	M69	Y	-19.326	-19.326	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...]
1	M11	X	0	0	0	%100
2	M11	Z	-11.288	-11.288	0	%100
3	M20A	X	0	0	0	%100
4	M20A	Z	0	0	0	%100
5	OVP	X	0	0	0	%100
6	OVP	Z	-2.822	-2.822	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	-2.822	-2.822	0	%100
9	FACE	X	0	0	0	%100
10	FACE	Z	-14.404	-14.404	0	%100
11	M20	X	0	0	0	%100
12	M20	Z	-3.601	-3.601	0	%100
13	M21	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
14	M21	Z	-3.601	0	%100
15	M20B	X	0	0	%100
16	M20B	Z	-8.91	0	%100
17	M21A	X	0	0	%100
18	M21A	Z	-8.91	0	%100
19	MP4A	X	0	0	%100
20	MP4A	Z	-10.278	0	%100
21	MP3A	X	0	0	%100
22	MP3A	Z	-10.278	0	%100
23	MP2A	X	0	0	%100
24	MP2A	Z	-10.278	0	%100
25	MP1A	X	0	0	%100
26	MP1A	Z	-10.278	0	%100
27	MP4C	X	0	0	%100
28	MP4C	Z	-10.278	0	%100
29	MP3C	X	0	0	%100
30	MP3C	Z	-10.278	0	%100
31	MP2C	X	0	0	%100
32	MP2C	Z	-10.278	0	%100
33	MP1C	X	0	0	%100
34	MP1C	Z	-10.278	0	%100
35	MP4B	X	0	0	%100
36	MP4B	Z	-10.278	0	%100
37	MP3B	X	0	0	%100
38	MP3B	Z	-10.278	0	%100
39	MP2B	X	0	0	%100
40	MP2B	Z	-10.278	0	%100
41	MP1B	X	0	0	%100
42	MP1B	Z	-10.278	0	%100
43	M43	X	0	0	%100
44	M43	Z	-12.442	0	%100
45	M44	X	0	0	%100
46	M44	Z	-3.11	0	%100
47	M45	X	0	0	%100
48	M45	Z	-3.11	0	%100
49	M64	X	0	0	%100
50	M64	Z	-4.114	0	%100
51	M65	X	0	0	%100
52	M65	Z	-16.456	0	%100
53	M66	X	0	0	%100
54	M66	Z	-4.114	0	%100
55	M67	X	0	0	%100
56	M67	Z	-12.17	0	%100
57	M68	X	0	0	%100
58	M68	Z	-16.945	0	%100
59	M69	X	0	0	%100
60	M69	Z	-16.945	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	4.233	0	%100
2	M11	Z	-7.332	0	%100
3	M20A	X	1.485	0	%100
4	M20A	Z	-2.572	0	%100
5	OVP	X	4.233	0	%100
6	OVP	Z	-7.332	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...	
7	M15	X	0	0	%100	
8	M15	Z	0	0	%100	
9	FACE	X	5.401	5.401	0	%100
10	FACE	Z	-9.355	-9.355	0	%100
11	M20	X	5.401	5.401	0	%100
12	M20	Z	-9.355	-9.355	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M20B	X	1.485	1.485	0	%100
16	M20B	Z	-2.572	-2.572	0	%100
17	M21A	X	5.94	5.94	0	%100
18	M21A	Z	-10.288	-10.288	0	%100
19	MP4A	X	5.139	5.139	0	%100
20	MP4A	Z	-8.901	-8.901	0	%100
21	MP3A	X	5.139	5.139	0	%100
22	MP3A	Z	-8.901	-8.901	0	%100
23	MP2A	X	5.139	5.139	0	%100
24	MP2A	Z	-8.901	-8.901	0	%100
25	MP1A	X	5.139	5.139	0	%100
26	MP1A	Z	-8.901	-8.901	0	%100
27	MP4C	X	5.139	5.139	0	%100
28	MP4C	Z	-8.901	-8.901	0	%100
29	MP3C	X	5.139	5.139	0	%100
30	MP3C	Z	-8.901	-8.901	0	%100
31	MP2C	X	5.139	5.139	0	%100
32	MP2C	Z	-8.901	-8.901	0	%100
33	MP1C	X	5.139	5.139	0	%100
34	MP1C	Z	-8.901	-8.901	0	%100
35	MP4B	X	5.139	5.139	0	%100
36	MP4B	Z	-8.901	-8.901	0	%100
37	MP3B	X	5.139	5.139	0	%100
38	MP3B	Z	-8.901	-8.901	0	%100
39	MP2B	X	5.139	5.139	0	%100
40	MP2B	Z	-8.901	-8.901	0	%100
41	MP1B	X	5.139	5.139	0	%100
42	MP1B	Z	-8.901	-8.901	0	%100
43	M43	X	4.666	4.666	0	%100
44	M43	Z	-8.081	-8.081	0	%100
45	M44	X	4.666	4.666	0	%100
46	M44	Z	-8.081	-8.081	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M64	X	6.171	6.171	0	%100
50	M64	Z	-10.688	-10.688	0	%100
51	M65	X	6.171	6.171	0	%100
52	M65	Z	-10.688	-10.688	0	%100
53	M66	X	0	0	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	6.881	6.881	0	%100
56	M67	Z	-11.918	-11.918	0	%100
57	M68	X	6.881	6.881	0	%100
58	M68	Z	-11.918	-11.918	0	%100
59	M69	X	9.269	9.269	0	%100
60	M69	Z	-16.054	-16.054	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
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**Member Distributed Loads (BLC 43 : Structure Wo (60 Deg)) (Continued)**

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
1	M11	X	2.444	2.444	0 %100
2	M11	Z	-1.411	-1.411	0 %100
3	M20A	X	7.716	7.716	0 %100
4	M20A	Z	-4.455	-4.455	0 %100
5	OVP	X	9.776	9.776	0 %100
6	OVP	Z	-5.644	-5.644	0 %100
7	M15	X	2.444	2.444	0 %100
8	M15	Z	-1.411	-1.411	0 %100
9	FACE	X	3.118	3.118	0 %100
10	FACE	Z	-1.8	-1.8	0 %100
11	M20	X	12.474	12.474	0 %100
12	M20	Z	-7.202	-7.202	0 %100
13	M21	X	3.118	3.118	0 %100
14	M21	Z	-1.8	-1.8	0 %100
15	M20B	X	0	0	0 %100
16	M20B	Z	0	0	0 %100
17	M21A	X	7.716	7.716	0 %100
18	M21A	Z	-4.455	-4.455	0 %100
19	MP4A	X	8.901	8.901	0 %100
20	MP4A	Z	-5.139	-5.139	0 %100
21	MP3A	X	8.901	8.901	0 %100
22	MP3A	Z	-5.139	-5.139	0 %100
23	MP2A	X	8.901	8.901	0 %100
24	MP2A	Z	-5.139	-5.139	0 %100
25	MP1A	X	8.901	8.901	0 %100
26	MP1A	Z	-5.139	-5.139	0 %100
27	MP4C	X	8.901	8.901	0 %100
28	MP4C	Z	-5.139	-5.139	0 %100
29	MP3C	X	8.901	8.901	0 %100
30	MP3C	Z	-5.139	-5.139	0 %100
31	MP2C	X	8.901	8.901	0 %100
32	MP2C	Z	-5.139	-5.139	0 %100
33	MP1C	X	8.901	8.901	0 %100
34	MP1C	Z	-5.139	-5.139	0 %100
35	MP4B	X	8.901	8.901	0 %100
36	MP4B	Z	-5.139	-5.139	0 %100
37	MP3B	X	8.901	8.901	0 %100
38	MP3B	Z	-5.139	-5.139	0 %100
39	MP2B	X	8.901	8.901	0 %100
40	MP2B	Z	-5.139	-5.139	0 %100
41	MP1B	X	8.901	8.901	0 %100
42	MP1B	Z	-5.139	-5.139	0 %100
43	M43	X	2.694	2.694	0 %100
44	M43	Z	-1.555	-1.555	0 %100
45	M44	X	10.775	10.775	0 %100
46	M44	Z	-6.221	-6.221	0 %100
47	M45	X	2.694	2.694	0 %100
48	M45	Z	-1.555	-1.555	0 %100
49	M64	X	14.251	14.251	0 %100
50	M64	Z	-8.228	-8.228	0 %100
51	M65	X	3.563	3.563	0 %100
52	M65	Z	-2.057	-2.057	0 %100
53	M66	X	3.563	3.563	0 %100
54	M66	Z	-2.057	-2.057	0 %100
55	M67	X	14.675	14.675	0 %100
56	M67	Z	-8.473	-8.473	0 %100
57	M68	X	10.54	10.54	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
58	M68	Z	-6.085	-6.085	0 %100
59	M69	X	14.675	14.675	0 %100
60	M69	Z	-8.473	-8.473	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	0	0	%100
2	M11	Z	0	0	%100
3	M20A	X	11.88	11.88	0 %100
4	M20A	Z	0	0	%100
5	OVP	X	8.466	8.466	0 %100
6	OVP	Z	0	0	%100
7	M15	X	8.466	8.466	0 %100
8	M15	Z	0	0	%100
9	FACE	X	0	0	%100
10	FACE	Z	0	0	%100
11	M20	X	10.803	10.803	0 %100
12	M20	Z	0	0	%100
13	M21	X	10.803	10.803	0 %100
14	M21	Z	0	0	%100
15	M20B	X	2.97	2.97	0 %100
16	M20B	Z	0	0	%100
17	M21A	X	2.97	2.97	0 %100
18	M21A	Z	0	0	%100
19	MP4A	X	10.278	10.278	0 %100
20	MP4A	Z	0	0	%100
21	MP3A	X	10.278	10.278	0 %100
22	MP3A	Z	0	0	%100
23	MP2A	X	10.278	10.278	0 %100
24	MP2A	Z	0	0	%100
25	MP1A	X	10.278	10.278	0 %100
26	MP1A	Z	0	0	%100
27	MP4C	X	10.278	10.278	0 %100
28	MP4C	Z	0	0	%100
29	MP3C	X	10.278	10.278	0 %100
30	MP3C	Z	0	0	%100
31	MP2C	X	10.278	10.278	0 %100
32	MP2C	Z	0	0	%100
33	MP1C	X	10.278	10.278	0 %100
34	MP1C	Z	0	0	%100
35	MP4B	X	10.278	10.278	0 %100
36	MP4B	Z	0	0	%100
37	MP3B	X	10.278	10.278	0 %100
38	MP3B	Z	0	0	%100
39	MP2B	X	10.278	10.278	0 %100
40	MP2B	Z	0	0	%100
41	MP1B	X	10.278	10.278	0 %100
42	MP1B	Z	0	0	%100
43	M43	X	0	0	%100
44	M43	Z	0	0	%100
45	M44	X	9.331	9.331	0 %100
46	M44	Z	0	0	%100
47	M45	X	9.331	9.331	0 %100
48	M45	Z	0	0	%100
49	M64	X	12.342	12.342	0 %100
50	M64	Z	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
51	M65	X	0	0	%100
52	M65	Z	0	0	%100
53	M66	X	12.342	12.342	0
54	M66	Z	0	0	%100
55	M67	X	18.537	18.537	0
56	M67	Z	0	0	%100
57	M68	X	13.762	13.762	0
58	M68	Z	0	0	%100
59	M69	X	13.762	13.762	0
60	M69	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	2.444	2.444	0
2	M11	Z	1.411	1.411	0
3	M20A	X	7.716	7.716	0
4	M20A	Z	4.455	4.455	0
5	OVP	X	2.444	2.444	0
6	OVP	Z	1.411	1.411	0
7	M15	X	9.776	9.776	0
8	M15	Z	5.644	5.644	0
9	FACE	X	3.118	3.118	0
10	FACE	Z	1.8	1.8	0
11	M20	X	3.118	3.118	0
12	M20	Z	1.8	1.8	0
13	M21	X	12.474	12.474	0
14	M21	Z	7.202	7.202	0
15	M20B	X	7.716	7.716	0
16	M20B	Z	4.455	4.455	0
17	M21A	X	0	0	0
18	M21A	Z	0	0	0
19	MP4A	X	8.901	8.901	0
20	MP4A	Z	5.139	5.139	0
21	MP3A	X	8.901	8.901	0
22	MP3A	Z	5.139	5.139	0
23	MP2A	X	8.901	8.901	0
24	MP2A	Z	5.139	5.139	0
25	MP1A	X	8.901	8.901	0
26	MP1A	Z	5.139	5.139	0
27	MP4C	X	8.901	8.901	0
28	MP4C	Z	5.139	5.139	0
29	MP3C	X	8.901	8.901	0
30	MP3C	Z	5.139	5.139	0
31	MP2C	X	8.901	8.901	0
32	MP2C	Z	5.139	5.139	0
33	MP1C	X	8.901	8.901	0
34	MP1C	Z	5.139	5.139	0
35	MP4B	X	8.901	8.901	0
36	MP4B	Z	5.139	5.139	0
37	MP3B	X	8.901	8.901	0
38	MP3B	Z	5.139	5.139	0
39	MP2B	X	8.901	8.901	0
40	MP2B	Z	5.139	5.139	0
41	MP1B	X	8.901	8.901	0
42	MP1B	Z	5.139	5.139	0
43	M43	X	2.694	2.694	0



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
44	M43	Z	1.555	0	%100
45	M44	X	2.694	0	%100
46	M44	Z	1.555	0	%100
47	M45	X	10.775	0	%100
48	M45	Z	6.221	0	%100
49	M64	X	3.563	0	%100
50	M64	Z	2.057	0	%100
51	M65	X	3.563	0	%100
52	M65	Z	2.057	0	%100
53	M66	X	14.251	0	%100
54	M66	Z	8.228	0	%100
55	M67	X	14.675	0	%100
56	M67	Z	8.473	0	%100
57	M68	X	14.675	0	%100
58	M68	Z	8.473	0	%100
59	M69	X	10.54	0	%100
60	M69	Z	6.085	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	4.233	0	%100
2	M11	Z	7.332	0	%100
3	M20A	X	1.485	0	%100
4	M20A	Z	2.572	0	%100
5	OVP	X	0	0	%100
6	OVP	Z	0	0	%100
7	M15	X	4.233	0	%100
8	M15	Z	7.332	0	%100
9	FACE	X	5.401	0	%100
10	FACE	Z	9.355	0	%100
11	M20	X	0	0	%100
12	M20	Z	0	0	%100
13	M21	X	5.401	0	%100
14	M21	Z	9.355	0	%100
15	M20B	X	5.94	0	%100
16	M20B	Z	10.288	0	%100
17	M21A	X	1.485	0	%100
18	M21A	Z	2.572	0	%100
19	MP4A	X	5.139	0	%100
20	MP4A	Z	8.901	0	%100
21	MP3A	X	5.139	0	%100
22	MP3A	Z	8.901	0	%100
23	MP2A	X	5.139	0	%100
24	MP2A	Z	8.901	0	%100
25	MP1A	X	5.139	0	%100
26	MP1A	Z	8.901	0	%100
27	MP4C	X	5.139	0	%100
28	MP4C	Z	8.901	0	%100
29	MP3C	X	5.139	0	%100
30	MP3C	Z	8.901	0	%100
31	MP2C	X	5.139	0	%100
32	MP2C	Z	8.901	0	%100
33	MP1C	X	5.139	0	%100
34	MP1C	Z	8.901	0	%100
35	MP4B	X	5.139	0	%100
36	MP4B	Z	8.901	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[...
37	MP3B	X	5.139	0	%100
38	MP3B	Z	8.901	0	%100
39	MP2B	X	5.139	0	%100
40	MP2B	Z	8.901	0	%100
41	MP1B	X	5.139	0	%100
42	MP1B	Z	8.901	0	%100
43	M43	X	4.666	0	%100
44	M43	Z	8.081	0	%100
45	M44	X	0	0	%100
46	M44	Z	0	0	%100
47	M45	X	4.666	0	%100
48	M45	Z	8.081	0	%100
49	M64	X	0	0	%100
50	M64	Z	0	0	%100
51	M65	X	6.171	0	%100
52	M65	Z	10.688	0	%100
53	M66	X	6.171	0	%100
54	M66	Z	10.688	0	%100
55	M67	X	6.881	0	%100
56	M67	Z	11.918	0	%100
57	M68	X	9.269	0	%100
58	M68	Z	16.054	0	%100
59	M69	X	6.881	0	%100
60	M69	Z	11.918	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[...
1	M11	X	0	0	%100
2	M11	Z	11.288	0	%100
3	M20A	X	0	0	%100
4	M20A	Z	0	0	%100
5	OVP	X	0	0	%100
6	OVP	Z	2.822	0	%100
7	M15	X	0	0	%100
8	M15	Z	2.822	0	%100
9	FACE	X	0	0	%100
10	FACE	Z	14.404	0	%100
11	M20	X	0	0	%100
12	M20	Z	3.601	0	%100
13	M21	X	0	0	%100
14	M21	Z	3.601	0	%100
15	M20B	X	0	0	%100
16	M20B	Z	8.91	0	%100
17	M21A	X	0	0	%100
18	M21A	Z	8.91	0	%100
19	MP4A	X	0	0	%100
20	MP4A	Z	10.278	0	%100
21	MP3A	X	0	0	%100
22	MP3A	Z	10.278	0	%100
23	MP2A	X	0	0	%100
24	MP2A	Z	10.278	0	%100
25	MP1A	X	0	0	%100
26	MP1A	Z	10.278	0	%100
27	MP4C	X	0	0	%100
28	MP4C	Z	10.278	0	%100
29	MP3C	X	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
30	MP3C	Z	10.278	0	%100
31	MP2C	X	0	0	%100
32	MP2C	Z	10.278	0	%100
33	MP1C	X	0	0	%100
34	MP1C	Z	10.278	0	%100
35	MP4B	X	0	0	%100
36	MP4B	Z	10.278	0	%100
37	MP3B	X	0	0	%100
38	MP3B	Z	10.278	0	%100
39	MP2B	X	0	0	%100
40	MP2B	Z	10.278	0	%100
41	MP1B	X	0	0	%100
42	MP1B	Z	10.278	0	%100
43	M43	X	0	0	%100
44	M43	Z	12.442	0	%100
45	M44	X	0	0	%100
46	M44	Z	3.11	0	%100
47	M45	X	0	0	%100
48	M45	Z	3.11	0	%100
49	M64	X	0	0	%100
50	M64	Z	4.114	0	%100
51	M65	X	0	0	%100
52	M65	Z	16.456	0	%100
53	M66	X	0	0	%100
54	M66	Z	4.114	0	%100
55	M67	X	0	0	%100
56	M67	Z	12.17	0	%100
57	M68	X	0	0	%100
58	M68	Z	16.945	0	%100
59	M69	X	0	0	%100
60	M69	Z	16.945	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	-4.233	0	%100
2	M11	Z	7.332	0	%100
3	M20A	X	-1.485	0	%100
4	M20A	Z	2.572	0	%100
5	OVP	X	-4.233	0	%100
6	OVP	Z	7.332	0	%100
7	M15	X	0	0	%100
8	M15	Z	0	0	%100
9	FACE	X	-5.401	0	%100
10	FACE	Z	9.355	0	%100
11	M20	X	-5.401	0	%100
12	M20	Z	9.355	0	%100
13	M21	X	0	0	%100
14	M21	Z	0	0	%100
15	M20B	X	-1.485	0	%100
16	M20B	Z	2.572	0	%100
17	M21A	X	-5.94	0	%100
18	M21A	Z	10.288	0	%100
19	MP4A	X	-5.139	0	%100
20	MP4A	Z	8.901	0	%100
21	MP3A	X	-5.139	0	%100
22	MP3A	Z	8.901	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
23	MP2A	X	-5.139	0	%100
24	MP2A	Z	8.901	0	%100
25	MP1A	X	-5.139	0	%100
26	MP1A	Z	8.901	0	%100
27	MP4C	X	-5.139	0	%100
28	MP4C	Z	8.901	0	%100
29	MP3C	X	-5.139	0	%100
30	MP3C	Z	8.901	0	%100
31	MP2C	X	-5.139	0	%100
32	MP2C	Z	8.901	0	%100
33	MP1C	X	-5.139	0	%100
34	MP1C	Z	8.901	0	%100
35	MP4B	X	-5.139	0	%100
36	MP4B	Z	8.901	0	%100
37	MP3B	X	-5.139	0	%100
38	MP3B	Z	8.901	0	%100
39	MP2B	X	-5.139	0	%100
40	MP2B	Z	8.901	0	%100
41	MP1B	X	-5.139	0	%100
42	MP1B	Z	8.901	0	%100
43	M43	X	-4.666	0	%100
44	M43	Z	8.081	0	%100
45	M44	X	-4.666	0	%100
46	M44	Z	8.081	0	%100
47	M45	X	0	0	%100
48	M45	Z	0	0	%100
49	M64	X	-6.171	0	%100
50	M64	Z	10.688	0	%100
51	M65	X	-6.171	0	%100
52	M65	Z	10.688	0	%100
53	M66	X	0	0	%100
54	M66	Z	0	0	%100
55	M67	X	-6.881	0	%100
56	M67	Z	11.918	0	%100
57	M68	X	-6.881	0	%100
58	M68	Z	11.918	0	%100
59	M69	X	-9.269	0	%100
60	M69	Z	16.054	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
1	M11	X	-2.444	0	%100
2	M11	Z	1.411	0	%100
3	M20A	X	-7.716	0	%100
4	M20A	Z	4.455	0	%100
5	OVP	X	-9.776	0	%100
6	OVP	Z	5.644	0	%100
7	M15	X	-2.444	0	%100
8	M15	Z	1.411	0	%100
9	FACE	X	-3.118	0	%100
10	FACE	Z	1.8	0	%100
11	M20	X	-12.474	0	%100
12	M20	Z	7.202	0	%100
13	M21	X	-3.118	0	%100
14	M21	Z	1.8	0	%100
15	M20B	X	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
16	M20B	Z	0	0	0	%100
17	M21A	X	-7.716	-7.716	0	%100
18	M21A	Z	4.455	4.455	0	%100
19	MP4A	X	-8.901	-8.901	0	%100
20	MP4A	Z	5.139	5.139	0	%100
21	MP3A	X	-8.901	-8.901	0	%100
22	MP3A	Z	5.139	5.139	0	%100
23	MP2A	X	-8.901	-8.901	0	%100
24	MP2A	Z	5.139	5.139	0	%100
25	MP1A	X	-8.901	-8.901	0	%100
26	MP1A	Z	5.139	5.139	0	%100
27	MP4C	X	-8.901	-8.901	0	%100
28	MP4C	Z	5.139	5.139	0	%100
29	MP3C	X	-8.901	-8.901	0	%100
30	MP3C	Z	5.139	5.139	0	%100
31	MP2C	X	-8.901	-8.901	0	%100
32	MP2C	Z	5.139	5.139	0	%100
33	MP1C	X	-8.901	-8.901	0	%100
34	MP1C	Z	5.139	5.139	0	%100
35	MP4B	X	-8.901	-8.901	0	%100
36	MP4B	Z	5.139	5.139	0	%100
37	MP3B	X	-8.901	-8.901	0	%100
38	MP3B	Z	5.139	5.139	0	%100
39	MP2B	X	-8.901	-8.901	0	%100
40	MP2B	Z	5.139	5.139	0	%100
41	MP1B	X	-8.901	-8.901	0	%100
42	MP1B	Z	5.139	5.139	0	%100
43	M43	X	-2.694	-2.694	0	%100
44	M43	Z	1.555	1.555	0	%100
45	M44	X	-10.775	-10.775	0	%100
46	M44	Z	6.221	6.221	0	%100
47	M45	X	-2.694	-2.694	0	%100
48	M45	Z	1.555	1.555	0	%100
49	M64	X	-14.251	-14.251	0	%100
50	M64	Z	8.228	8.228	0	%100
51	M65	X	-3.563	-3.563	0	%100
52	M65	Z	2.057	2.057	0	%100
53	M66	X	-3.563	-3.563	0	%100
54	M66	Z	2.057	2.057	0	%100
55	M67	X	-14.675	-14.675	0	%100
56	M67	Z	8.473	8.473	0	%100
57	M68	X	-10.54	-10.54	0	%100
58	M68	Z	6.085	6.085	0	%100
59	M69	X	-14.675	-14.675	0	%100
60	M69	Z	8.473	8.473	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
1	M11	X	0	0	0	%100
2	M11	Z	0	0	0	%100
3	M20A	X	-11.88	-11.88	0	%100
4	M20A	Z	0	0	0	%100
5	OVP	X	-8.466	-8.466	0	%100
6	OVP	Z	0	0	0	%100
7	M15	X	-8.466	-8.466	0	%100
8	M15	Z	0	0	0	%100





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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
9	FACE	X	0	0	%100
10	FACE	Z	0	0	%100
11	M20	X	-10.803	-10.803	0
12	M20	Z	0	0	%100
13	M21	X	-10.803	-10.803	0
14	M21	Z	0	0	%100
15	M20B	X	-2.97	-2.97	0
16	M20B	Z	0	0	%100
17	M21A	X	-2.97	-2.97	0
18	M21A	Z	0	0	%100
19	MP4A	X	-10.278	-10.278	0
20	MP4A	Z	0	0	%100
21	MP3A	X	-10.278	-10.278	0
22	MP3A	Z	0	0	%100
23	MP2A	X	-10.278	-10.278	0
24	MP2A	Z	0	0	%100
25	MP1A	X	-10.278	-10.278	0
26	MP1A	Z	0	0	%100
27	MP4C	X	-10.278	-10.278	0
28	MP4C	Z	0	0	%100
29	MP3C	X	-10.278	-10.278	0
30	MP3C	Z	0	0	%100
31	MP2C	X	-10.278	-10.278	0
32	MP2C	Z	0	0	%100
33	MP1C	X	-10.278	-10.278	0
34	MP1C	Z	0	0	%100
35	MP4B	X	-10.278	-10.278	0
36	MP4B	Z	0	0	%100
37	MP3B	X	-10.278	-10.278	0
38	MP3B	Z	0	0	%100
39	MP2B	X	-10.278	-10.278	0
40	MP2B	Z	0	0	%100
41	MP1B	X	-10.278	-10.278	0
42	MP1B	Z	0	0	%100
43	M43	X	0	0	%100
44	M43	Z	0	0	%100
45	M44	X	-9.331	-9.331	0
46	M44	Z	0	0	%100
47	M45	X	-9.331	-9.331	0
48	M45	Z	0	0	%100
49	M64	X	-12.342	-12.342	0
50	M64	Z	0	0	%100
51	M65	X	0	0	%100
52	M65	Z	0	0	%100
53	M66	X	-12.342	-12.342	0
54	M66	Z	0	0	%100
55	M67	X	-18.537	-18.537	0
56	M67	Z	0	0	%100
57	M68	X	-13.762	-13.762	0
58	M68	Z	0	0	%100
59	M69	X	-13.762	-13.762	0
60	M69	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
1	M11	X	-2.444	-2.444	0



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Locationfi...
2	M11	Z	-1.411	-1.411	0 %100
3	M20A	X	-7.716	-7.716	0 %100
4	M20A	Z	-4.455	-4.455	0 %100
5	OVP	X	-2.444	-2.444	0 %100
6	OVP	Z	-1.411	-1.411	0 %100
7	M15	X	-9.776	-9.776	0 %100
8	M15	Z	-5.644	-5.644	0 %100
9	FACE	X	-3.118	-3.118	0 %100
10	FACE	Z	-1.8	-1.8	0 %100
11	M20	X	-3.118	-3.118	0 %100
12	M20	Z	-1.8	-1.8	0 %100
13	M21	X	-12.474	-12.474	0 %100
14	M21	Z	-7.202	-7.202	0 %100
15	M20B	X	-7.716	-7.716	0 %100
16	M20B	Z	-4.455	-4.455	0 %100
17	M21A	X	0	0	0 %100
18	M21A	Z	0	0	0 %100
19	MP4A	X	-8.901	-8.901	0 %100
20	MP4A	Z	-5.139	-5.139	0 %100
21	MP3A	X	-8.901	-8.901	0 %100
22	MP3A	Z	-5.139	-5.139	0 %100
23	MP2A	X	-8.901	-8.901	0 %100
24	MP2A	Z	-5.139	-5.139	0 %100
25	MP1A	X	-8.901	-8.901	0 %100
26	MP1A	Z	-5.139	-5.139	0 %100
27	MP4C	X	-8.901	-8.901	0 %100
28	MP4C	Z	-5.139	-5.139	0 %100
29	MP3C	X	-8.901	-8.901	0 %100
30	MP3C	Z	-5.139	-5.139	0 %100
31	MP2C	X	-8.901	-8.901	0 %100
32	MP2C	Z	-5.139	-5.139	0 %100
33	MP1C	X	-8.901	-8.901	0 %100
34	MP1C	Z	-5.139	-5.139	0 %100
35	MP4B	X	-8.901	-8.901	0 %100
36	MP4B	Z	-5.139	-5.139	0 %100
37	MP3B	X	-8.901	-8.901	0 %100
38	MP3B	Z	-5.139	-5.139	0 %100
39	MP2B	X	-8.901	-8.901	0 %100
40	MP2B	Z	-5.139	-5.139	0 %100
41	MP1B	X	-8.901	-8.901	0 %100
42	MP1B	Z	-5.139	-5.139	0 %100
43	M43	X	-2.694	-2.694	0 %100
44	M43	Z	-1.555	-1.555	0 %100
45	M44	X	-2.694	-2.694	0 %100
46	M44	Z	-1.555	-1.555	0 %100
47	M45	X	-10.775	-10.775	0 %100
48	M45	Z	-6.221	-6.221	0 %100
49	M64	X	-3.563	-3.563	0 %100
50	M64	Z	-2.057	-2.057	0 %100
51	M65	X	-3.563	-3.563	0 %100
52	M65	Z	-2.057	-2.057	0 %100
53	M66	X	-14.251	-14.251	0 %100
54	M66	Z	-8.228	-8.228	0 %100
55	M67	X	-14.675	-14.675	0 %100
56	M67	Z	-8.473	-8.473	0 %100
57	M68	X	-14.675	-14.675	0 %100
58	M68	Z	-8.473	-8.473	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
59	M69	X	-10.54	-10.54	0 %100
60	M69	Z	-6.085	-6.085	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	-4.233	-4.233	0 %100
2	M11	Z	-7.332	-7.332	0 %100
3	M20A	X	-1.485	-1.485	0 %100
4	M20A	Z	-2.572	-2.572	0 %100
5	OVP	X	0	0	0 %100
6	OVP	Z	0	0	0 %100
7	M15	X	-4.233	-4.233	0 %100
8	M15	Z	-7.332	-7.332	0 %100
9	FACE	X	-5.401	-5.401	0 %100
10	FACE	Z	-9.355	-9.355	0 %100
11	M20	X	0	0	0 %100
12	M20	Z	0	0	0 %100
13	M21	X	-5.401	-5.401	0 %100
14	M21	Z	-9.355	-9.355	0 %100
15	M20B	X	-5.94	-5.94	0 %100
16	M20B	Z	-10.288	-10.288	0 %100
17	M21A	X	-1.485	-1.485	0 %100
18	M21A	Z	-2.572	-2.572	0 %100
19	MP4A	X	-5.139	-5.139	0 %100
20	MP4A	Z	-8.901	-8.901	0 %100
21	MP3A	X	-5.139	-5.139	0 %100
22	MP3A	Z	-8.901	-8.901	0 %100
23	MP2A	X	-5.139	-5.139	0 %100
24	MP2A	Z	-8.901	-8.901	0 %100
25	MP1A	X	-5.139	-5.139	0 %100
26	MP1A	Z	-8.901	-8.901	0 %100
27	MP4C	X	-5.139	-5.139	0 %100
28	MP4C	Z	-8.901	-8.901	0 %100
29	MP3C	X	-5.139	-5.139	0 %100
30	MP3C	Z	-8.901	-8.901	0 %100
31	MP2C	X	-5.139	-5.139	0 %100
32	MP2C	Z	-8.901	-8.901	0 %100
33	MP1C	X	-5.139	-5.139	0 %100
34	MP1C	Z	-8.901	-8.901	0 %100
35	MP4B	X	-5.139	-5.139	0 %100
36	MP4B	Z	-8.901	-8.901	0 %100
37	MP3B	X	-5.139	-5.139	0 %100
38	MP3B	Z	-8.901	-8.901	0 %100
39	MP2B	X	-5.139	-5.139	0 %100
40	MP2B	Z	-8.901	-8.901	0 %100
41	MP1B	X	-5.139	-5.139	0 %100
42	MP1B	Z	-8.901	-8.901	0 %100
43	M43	X	-4.666	-4.666	0 %100
44	M43	Z	-8.081	-8.081	0 %100
45	M44	X	0	0	0 %100
46	M44	Z	0	0	0 %100
47	M45	X	-4.666	-4.666	0 %100
48	M45	Z	-8.081	-8.081	0 %100
49	M64	X	0	0	0 %100
50	M64	Z	0	0	0 %100
51	M65	X	-6.171	-6.171	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
52	M65	Z	-10.688	0	%100
53	M66	X	-6.171	0	%100
54	M66	Z	-10.688	0	%100
55	M67	X	-6.881	0	%100
56	M67	Z	-11.918	0	%100
57	M68	X	-9.269	0	%100
58	M68	Z	-16.054	0	%100
59	M69	X	-6.881	0	%100
60	M69	Z	-11.918	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
1	M11	X	0	0	%100
2	M11	Z	-4.32	0	%100
3	M20A	X	0	0	%100
4	M20A	Z	0	0	%100
5	OVP	X	0	0	%100
6	OVP	Z	-1.08	0	%100
7	M15	X	0	0	%100
8	M15	Z	-1.08	0	%100
9	FACE	X	0	0	%100
10	FACE	Z	-5.687	0	%100
11	M20	X	0	0	%100
12	M20	Z	-1.422	0	%100
13	M21	X	0	0	%100
14	M21	Z	-1.422	0	%100
15	M20B	X	0	0	%100
16	M20B	Z	-3.548	0	%100
17	M21A	X	0	0	%100
18	M21A	Z	-3.548	0	%100
19	MP4A	X	0	0	%100
20	MP4A	Z	-4.475	0	%100
21	MP3A	X	0	0	%100
22	MP3A	Z	-4.648	0	%100
23	MP2A	X	0	0	%100
24	MP2A	Z	-4.475	0	%100
25	MP1A	X	0	0	%100
26	MP1A	Z	-4.475	0	%100
27	MP4C	X	0	0	%100
28	MP4C	Z	-4.475	0	%100
29	MP3C	X	0	0	%100
30	MP3C	Z	-4.648	0	%100
31	MP2C	X	0	0	%100
32	MP2C	Z	-4.475	0	%100
33	MP1C	X	0	0	%100
34	MP1C	Z	-4.475	0	%100
35	MP4B	X	0	0	%100
36	MP4B	Z	-4.475	0	%100
37	MP3B	X	0	0	%100
38	MP3B	Z	-4.648	0	%100
39	MP2B	X	0	0	%100
40	MP2B	Z	-4.475	0	%100
41	MP1B	X	0	0	%100
42	MP1B	Z	-4.475	0	%100
43	M43	X	0	0	%100
44	M43	Z	-5.201	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
45	M44	X	0	0	%100
46	M44	Z	-1.3	0	%100
47	M45	X	0	0	%100
48	M45	Z	-1.3	0	%100
49	M64	X	0	0	%100
50	M64	Z	-1.252	0	%100
51	M65	X	0	0	%100
52	M65	Z	-5.007	0	%100
53	M66	X	0	0	%100
54	M66	Z	-1.252	0	%100
55	M67	X	0	0	%100
56	M67	Z	-3.041	0	%100
57	M68	X	0	0	%100
58	M68	Z	-4.983	0	%100
59	M69	X	0	0	%100
60	M69	Z	-4.983	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
1	M11	X	1.62	0	%100
2	M11	Z	-2.806	0	%100
3	M20A	X	.591	0	%100
4	M20A	Z	-1.024	0	%100
5	OVP	X	1.62	0	%100
6	OVP	Z	-2.806	0	%100
7	M15	X	0	0	%100
8	M15	Z	0	0	%100
9	FACE	X	2.133	0	%100
10	FACE	Z	-3.694	0	%100
11	M20	X	2.133	0	%100
12	M20	Z	-3.694	0	%100
13	M21	X	0	0	%100
14	M21	Z	0	0	%100
15	M20B	X	.591	0	%100
16	M20B	Z	-1.024	0	%100
17	M21A	X	2.365	0	%100
18	M21A	Z	-4.097	0	%100
19	MP4A	X	2.237	0	%100
20	MP4A	Z	-3.875	0	%100
21	MP3A	X	2.324	0	%100
22	MP3A	Z	-4.025	0	%100
23	MP2A	X	2.237	0	%100
24	MP2A	Z	-3.875	0	%100
25	MP1A	X	2.237	0	%100
26	MP1A	Z	-3.875	0	%100
27	MP4C	X	2.237	0	%100
28	MP4C	Z	-3.875	0	%100
29	MP3C	X	2.324	0	%100
30	MP3C	Z	-4.025	0	%100
31	MP2C	X	2.237	0	%100
32	MP2C	Z	-3.875	0	%100
33	MP1C	X	2.237	0	%100
34	MP1C	Z	-3.875	0	%100
35	MP4B	X	2.237	0	%100
36	MP4B	Z	-3.875	0	%100
37	MP3B	X	2.324	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
38	MP3B	Z	-4.025	-4.025	0 %100
39	MP2B	X	2.237	2.237	0 %100
40	MP2B	Z	-3.875	-3.875	0 %100
41	MP1B	X	2.237	2.237	0 %100
42	MP1B	Z	-3.875	-3.875	0 %100
43	M43	X	1.95	1.95	0 %100
44	M43	Z	-3.378	-3.378	0 %100
45	M44	X	1.95	1.95	0 %100
46	M44	Z	-3.378	-3.378	0 %100
47	M45	X	0	0	0 %100
48	M45	Z	0	0	0 %100
49	M64	X	1.878	1.878	0 %100
50	M64	Z	-3.252	-3.252	0 %100
51	M65	X	1.878	1.878	0 %100
52	M65	Z	-3.252	-3.252	0 %100
53	M66	X	0	0	0 %100
54	M66	Z	0	0	0 %100
55	M67	X	1.844	1.844	0 %100
56	M67	Z	-3.194	-3.194	0 %100
57	M68	X	1.844	1.844	0 %100
58	M68	Z	-3.194	-3.194	0 %100
59	M69	X	2.815	2.815	0 %100
60	M69	Z	-4.876	-4.876	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
1	M11	X	.935	.935	0 %100
2	M11	Z	-.54	-.54	0 %100
3	M20A	X	3.072	3.072	0 %100
4	M20A	Z	-1.774	-1.774	0 %100
5	OVP	X	3.741	3.741	0 %100
6	OVP	Z	-2.16	-2.16	0 %100
7	M15	X	.935	.935	0 %100
8	M15	Z	-.54	-.54	0 %100
9	FACE	X	1.231	1.231	0 %100
10	FACE	Z	-.711	-.711	0 %100
11	M20	X	4.925	4.925	0 %100
12	M20	Z	-2.843	-2.843	0 %100
13	M21	X	1.231	1.231	0 %100
14	M21	Z	-.711	-.711	0 %100
15	M20B	X	0	0	0 %100
16	M20B	Z	0	0	0 %100
17	M21A	X	3.072	3.072	0 %100
18	M21A	Z	-1.774	-1.774	0 %100
19	MP4A	X	3.875	3.875	0 %100
20	MP4A	Z	-2.237	-2.237	0 %100
21	MP3A	X	4.025	4.025	0 %100
22	MP3A	Z	-2.324	-2.324	0 %100
23	MP2A	X	3.875	3.875	0 %100
24	MP2A	Z	-2.237	-2.237	0 %100
25	MP1A	X	3.875	3.875	0 %100
26	MP1A	Z	-2.237	-2.237	0 %100
27	MP4C	X	3.875	3.875	0 %100
28	MP4C	Z	-2.237	-2.237	0 %100
29	MP3C	X	4.025	4.025	0 %100
30	MP3C	Z	-2.324	-2.324	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
31	MP2C	X	3.875	3.875	0 %100
32	MP2C	Z	-2.237	-2.237	0 %100
33	MP1C	X	3.875	3.875	0 %100
34	MP1C	Z	-2.237	-2.237	0 %100
35	MP4B	X	3.875	3.875	0 %100
36	MP4B	Z	-2.237	-2.237	0 %100
37	MP3B	X	4.025	4.025	0 %100
38	MP3B	Z	-2.324	-2.324	0 %100
39	MP2B	X	3.875	3.875	0 %100
40	MP2B	Z	-2.237	-2.237	0 %100
41	MP1B	X	3.875	3.875	0 %100
42	MP1B	Z	-2.237	-2.237	0 %100
43	M43	X	1.126	1.126	0 %100
44	M43	Z	-.65	-.65	0 %100
45	M44	X	4.504	4.504	0 %100
46	M44	Z	-2.601	-2.601	0 %100
47	M45	X	1.126	1.126	0 %100
48	M45	Z	-.65	-.65	0 %100
49	M64	X	4.336	4.336	0 %100
50	M64	Z	-2.504	-2.504	0 %100
51	M65	X	1.084	1.084	0 %100
52	M65	Z	-.626	-.626	0 %100
53	M66	X	1.084	1.084	0 %100
54	M66	Z	-.626	-.626	0 %100
55	M67	X	4.315	4.315	0 %100
56	M67	Z	-2.491	-2.491	0 %100
57	M68	X	2.633	2.633	0 %100
58	M68	Z	-1.52	-1.52	0 %100
59	M69	X	4.315	4.315	0 %100
60	M69	Z	-2.491	-2.491	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	0	0	0 %100
2	M11	Z	0	0	0 %100
3	M20A	X	4.73	4.73	0 %100
4	M20A	Z	0	0	0 %100
5	OVP	X	3.24	3.24	0 %100
6	OVP	Z	0	0	0 %100
7	M15	X	3.24	3.24	0 %100
8	M15	Z	0	0	0 %100
9	FACE	X	0	0	0 %100
10	FACE	Z	0	0	0 %100
11	M20	X	4.265	4.265	0 %100
12	M20	Z	0	0	0 %100
13	M21	X	4.265	4.265	0 %100
14	M21	Z	0	0	0 %100
15	M20B	X	1.183	1.183	0 %100
16	M20B	Z	0	0	0 %100
17	M21A	X	1.183	1.183	0 %100
18	M21A	Z	0	0	0 %100
19	MP4A	X	4.475	4.475	0 %100
20	MP4A	Z	0	0	0 %100
21	MP3A	X	4.648	4.648	0 %100
22	MP3A	Z	0	0	0 %100
23	MP2A	X	4.475	4.475	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
24	MP2A	Z	0	0	%100
25	MP1A	X	4.475	4.475	%100
26	MP1A	Z	0	0	%100
27	MP4C	X	4.475	4.475	%100
28	MP4C	Z	0	0	%100
29	MP3C	X	4.648	4.648	%100
30	MP3C	Z	0	0	%100
31	MP2C	X	4.475	4.475	%100
32	MP2C	Z	0	0	%100
33	MP1C	X	4.475	4.475	%100
34	MP1C	Z	0	0	%100
35	MP4B	X	4.475	4.475	%100
36	MP4B	Z	0	0	%100
37	MP3B	X	4.648	4.648	%100
38	MP3B	Z	0	0	%100
39	MP2B	X	4.475	4.475	%100
40	MP2B	Z	0	0	%100
41	MP1B	X	4.475	4.475	%100
42	MP1B	Z	0	0	%100
43	M43	X	0	0	%100
44	M43	Z	0	0	%100
45	M44	X	3.901	3.901	%100
46	M44	Z	0	0	%100
47	M45	X	3.901	3.901	%100
48	M45	Z	0	0	%100
49	M64	X	3.755	3.755	%100
50	M64	Z	0	0	%100
51	M65	X	0	0	%100
52	M65	Z	0	0	%100
53	M66	X	3.755	3.755	%100
54	M66	Z	0	0	%100
55	M67	X	5.63	5.63	%100
56	M67	Z	0	0	%100
57	M68	X	3.688	3.688	%100
58	M68	Z	0	0	%100
59	M69	X	3.688	3.688	%100
60	M69	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	.935	.935	%100
2	M11	Z	.54	.54	%100
3	M20A	X	3.072	3.072	%100
4	M20A	Z	1.774	1.774	%100
5	OVP	X	.935	.935	%100
6	OVP	Z	.54	.54	%100
7	M15	X	3.741	3.741	%100
8	M15	Z	2.16	2.16	%100
9	FACE	X	1.231	1.231	%100
10	FACE	Z	.711	.711	%100
11	M20	X	1.231	1.231	%100
12	M20	Z	.711	.711	%100
13	M21	X	4.925	4.925	%100
14	M21	Z	2.843	2.843	%100
15	M20B	X	3.072	3.072	%100
16	M20B	Z	1.774	1.774	%100





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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...]
17	M21A	X	0	0	0	%100
18	M21A	Z	0	0	0	%100
19	MP4A	X	3.875	3.875	0	%100
20	MP4A	Z	2.237	2.237	0	%100
21	MP3A	X	4.025	4.025	0	%100
22	MP3A	Z	2.324	2.324	0	%100
23	MP2A	X	3.875	3.875	0	%100
24	MP2A	Z	2.237	2.237	0	%100
25	MP1A	X	3.875	3.875	0	%100
26	MP1A	Z	2.237	2.237	0	%100
27	MP4C	X	3.875	3.875	0	%100
28	MP4C	Z	2.237	2.237	0	%100
29	MP3C	X	4.025	4.025	0	%100
30	MP3C	Z	2.324	2.324	0	%100
31	MP2C	X	3.875	3.875	0	%100
32	MP2C	Z	2.237	2.237	0	%100
33	MP1C	X	3.875	3.875	0	%100
34	MP1C	Z	2.237	2.237	0	%100
35	MP4B	X	3.875	3.875	0	%100
36	MP4B	Z	2.237	2.237	0	%100
37	MP3B	X	4.025	4.025	0	%100
38	MP3B	Z	2.324	2.324	0	%100
39	MP2B	X	3.875	3.875	0	%100
40	MP2B	Z	2.237	2.237	0	%100
41	MP1B	X	3.875	3.875	0	%100
42	MP1B	Z	2.237	2.237	0	%100
43	M43	X	1.126	1.126	0	%100
44	M43	Z	.65	.65	0	%100
45	M44	X	1.126	1.126	0	%100
46	M44	Z	.65	.65	0	%100
47	M45	X	4.504	4.504	0	%100
48	M45	Z	2.601	2.601	0	%100
49	M64	X	1.084	1.084	0	%100
50	M64	Z	.626	.626	0	%100
51	M65	X	1.084	1.084	0	%100
52	M65	Z	.626	.626	0	%100
53	M66	X	4.336	4.336	0	%100
54	M66	Z	2.504	2.504	0	%100
55	M67	X	4.315	4.315	0	%100
56	M67	Z	2.491	2.491	0	%100
57	M68	X	4.315	4.315	0	%100
58	M68	Z	2.491	2.491	0	%100
59	M69	X	2.633	2.633	0	%100
60	M69	Z	1.52	1.52	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...]
1	M11	X	1.62	1.62	0	%100
2	M11	Z	2.806	2.806	0	%100
3	M20A	X	.591	.591	0	%100
4	M20A	Z	1.024	1.024	0	%100
5	OVP	X	0	0	0	%100
6	OVP	Z	0	0	0	%100
7	M15	X	1.62	1.62	0	%100
8	M15	Z	2.806	2.806	0	%100
9	FACE	X	2.133	2.133	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
10	FACE	Z	3.694	0	%100
11	M20	X	0	0	%100
12	M20	Z	0	0	%100
13	M21	X	2.133	0	%100
14	M21	Z	3.694	0	%100
15	M20B	X	2.365	0	%100
16	M20B	Z	4.097	0	%100
17	M21A	X	.591	0	%100
18	M21A	Z	1.024	0	%100
19	MP4A	X	2.237	0	%100
20	MP4A	Z	3.875	0	%100
21	MP3A	X	2.324	0	%100
22	MP3A	Z	4.025	0	%100
23	MP2A	X	2.237	0	%100
24	MP2A	Z	3.875	0	%100
25	MP1A	X	2.237	0	%100
26	MP1A	Z	3.875	0	%100
27	MP4C	X	2.237	0	%100
28	MP4C	Z	3.875	0	%100
29	MP3C	X	2.324	0	%100
30	MP3C	Z	4.025	0	%100
31	MP2C	X	2.237	0	%100
32	MP2C	Z	3.875	0	%100
33	MP1C	X	2.237	0	%100
34	MP1C	Z	3.875	0	%100
35	MP4B	X	2.237	0	%100
36	MP4B	Z	3.875	0	%100
37	MP3B	X	2.324	0	%100
38	MP3B	Z	4.025	0	%100
39	MP2B	X	2.237	0	%100
40	MP2B	Z	3.875	0	%100
41	MP1B	X	2.237	0	%100
42	MP1B	Z	3.875	0	%100
43	M43	X	1.95	0	%100
44	M43	Z	3.378	0	%100
45	M44	X	0	0	%100
46	M44	Z	0	0	%100
47	M45	X	1.95	0	%100
48	M45	Z	3.378	0	%100
49	M64	X	0	0	%100
50	M64	Z	0	0	%100
51	M65	X	1.878	0	%100
52	M65	Z	3.252	0	%100
53	M66	X	1.878	0	%100
54	M66	Z	3.252	0	%100
55	M67	X	1.844	0	%100
56	M67	Z	3.194	0	%100
57	M68	X	2.815	0	%100
58	M68	Z	4.876	0	%100
59	M69	X	1.844	0	%100
60	M69	Z	3.194	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
1	M11	X	0	0	%100
2	M11	Z	4.32	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
3	M20A	X	0	0	%100
4	M20A	Z	0	0	%100
5	OVP	X	0	0	%100
6	OVP	Z	1.08	1.08	%100
7	M15	X	0	0	%100
8	M15	Z	1.08	1.08	%100
9	FACE	X	0	0	%100
10	FACE	Z	5.687	5.687	%100
11	M20	X	0	0	%100
12	M20	Z	1.422	1.422	%100
13	M21	X	0	0	%100
14	M21	Z	1.422	1.422	%100
15	M20B	X	0	0	%100
16	M20B	Z	3.548	3.548	%100
17	M21A	X	0	0	%100
18	M21A	Z	3.548	3.548	%100
19	MP4A	X	0	0	%100
20	MP4A	Z	4.475	4.475	%100
21	MP3A	X	0	0	%100
22	MP3A	Z	4.648	4.648	%100
23	MP2A	X	0	0	%100
24	MP2A	Z	4.475	4.475	%100
25	MP1A	X	0	0	%100
26	MP1A	Z	4.475	4.475	%100
27	MP4C	X	0	0	%100
28	MP4C	Z	4.475	4.475	%100
29	MP3C	X	0	0	%100
30	MP3C	Z	4.648	4.648	%100
31	MP2C	X	0	0	%100
32	MP2C	Z	4.475	4.475	%100
33	MP1C	X	0	0	%100
34	MP1C	Z	4.475	4.475	%100
35	MP4B	X	0	0	%100
36	MP4B	Z	4.475	4.475	%100
37	MP3B	X	0	0	%100
38	MP3B	Z	4.648	4.648	%100
39	MP2B	X	0	0	%100
40	MP2B	Z	4.475	4.475	%100
41	MP1B	X	0	0	%100
42	MP1B	Z	4.475	4.475	%100
43	M43	X	0	0	%100
44	M43	Z	5.201	5.201	%100
45	M44	X	0	0	%100
46	M44	Z	1.3	1.3	%100
47	M45	X	0	0	%100
48	M45	Z	1.3	1.3	%100
49	M64	X	0	0	%100
50	M64	Z	1.252	1.252	%100
51	M65	X	0	0	%100
52	M65	Z	5.007	5.007	%100
53	M66	X	0	0	%100
54	M66	Z	1.252	1.252	%100
55	M67	X	0	0	%100
56	M67	Z	3.041	3.041	%100
57	M68	X	0	0	%100
58	M68	Z	4.983	4.983	%100
59	M69	X	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
60	M69	Z	4.983	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	-1.62	0	%100
2	M11	Z	2.806	0	%100
3	M20A	X	-.591	0	%100
4	M20A	Z	1.024	0	%100
5	OVP	X	-1.62	0	%100
6	OVP	Z	2.806	0	%100
7	M15	X	0	0	%100
8	M15	Z	0	0	%100
9	FACE	X	-2.133	0	%100
10	FACE	Z	3.694	0	%100
11	M20	X	-2.133	0	%100
12	M20	Z	3.694	0	%100
13	M21	X	0	0	%100
14	M21	Z	0	0	%100
15	M20B	X	-.591	0	%100
16	M20B	Z	1.024	0	%100
17	M21A	X	-2.365	0	%100
18	M21A	Z	4.097	0	%100
19	MP4A	X	-2.237	0	%100
20	MP4A	Z	3.875	0	%100
21	MP3A	X	-2.324	0	%100
22	MP3A	Z	4.025	0	%100
23	MP2A	X	-2.237	0	%100
24	MP2A	Z	3.875	0	%100
25	MP1A	X	-2.237	0	%100
26	MP1A	Z	3.875	0	%100
27	MP4C	X	-2.237	0	%100
28	MP4C	Z	3.875	0	%100
29	MP3C	X	-2.324	0	%100
30	MP3C	Z	4.025	0	%100
31	MP2C	X	-2.237	0	%100
32	MP2C	Z	3.875	0	%100
33	MP1C	X	-2.237	0	%100
34	MP1C	Z	3.875	0	%100
35	MP4B	X	-2.237	0	%100
36	MP4B	Z	3.875	0	%100
37	MP3B	X	-2.324	0	%100
38	MP3B	Z	4.025	0	%100
39	MP2B	X	-2.237	0	%100
40	MP2B	Z	3.875	0	%100
41	MP1B	X	-2.237	0	%100
42	MP1B	Z	3.875	0	%100
43	M43	X	-1.95	0	%100
44	M43	Z	3.378	0	%100
45	M44	X	-1.95	0	%100
46	M44	Z	3.378	0	%100
47	M45	X	0	0	%100
48	M45	Z	0	0	%100
49	M64	X	-1.878	0	%100
50	M64	Z	3.252	0	%100
51	M65	X	-1.878	0	%100
52	M65	Z	3.252	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
53	M66	X	0	0	%100
54	M66	Z	0	0	%100
55	M67	X	-1.844	-1.844	0
56	M67	Z	3.194	3.194	0
57	M68	X	-1.844	-1.844	0
58	M68	Z	3.194	3.194	0
59	M69	X	-2.815	-2.815	0
60	M69	Z	4.876	4.876	0

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
1	M11	X	-.935	-.935	0
2	M11	Z	.54	.54	0
3	M20A	X	-3.072	-3.072	0
4	M20A	Z	1.774	1.774	0
5	OVP	X	-3.741	-3.741	0
6	OVP	Z	2.16	2.16	0
7	M15	X	-.935	-.935	0
8	M15	Z	.54	.54	0
9	FACE	X	-1.231	-1.231	0
10	FACE	Z	.711	.711	0
11	M20	X	-4.925	-4.925	0
12	M20	Z	2.843	2.843	0
13	M21	X	-1.231	-1.231	0
14	M21	Z	.711	.711	0
15	M20B	X	0	0	0
16	M20B	Z	0	0	0
17	M21A	X	-3.072	-3.072	0
18	M21A	Z	1.774	1.774	0
19	MP4A	X	-3.875	-3.875	0
20	MP4A	Z	2.237	2.237	0
21	MP3A	X	-4.025	-4.025	0
22	MP3A	Z	2.324	2.324	0
23	MP2A	X	-3.875	-3.875	0
24	MP2A	Z	2.237	2.237	0
25	MP1A	X	-3.875	-3.875	0
26	MP1A	Z	2.237	2.237	0
27	MP4C	X	-3.875	-3.875	0
28	MP4C	Z	2.237	2.237	0
29	MP3C	X	-4.025	-4.025	0
30	MP3C	Z	2.324	2.324	0
31	MP2C	X	-3.875	-3.875	0
32	MP2C	Z	2.237	2.237	0
33	MP1C	X	-3.875	-3.875	0
34	MP1C	Z	2.237	2.237	0
35	MP4B	X	-3.875	-3.875	0
36	MP4B	Z	2.237	2.237	0
37	MP3B	X	-4.025	-4.025	0
38	MP3B	Z	2.324	2.324	0
39	MP2B	X	-3.875	-3.875	0
40	MP2B	Z	2.237	2.237	0
41	MP1B	X	-3.875	-3.875	0
42	MP1B	Z	2.237	2.237	0
43	M43	X	-1.126	-1.126	0
44	M43	Z	.65	.65	0
45	M44	X	-4.504	-4.504	0



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
46	M44	Z	2.601	2.601	0	%100
47	M45	X	-1.126	-1.126	0	%100
48	M45	Z	.65	.65	0	%100
49	M64	X	-4.336	-4.336	0	%100
50	M64	Z	2.504	2.504	0	%100
51	M65	X	-1.084	-1.084	0	%100
52	M65	Z	.626	.626	0	%100
53	M66	X	-1.084	-1.084	0	%100
54	M66	Z	.626	.626	0	%100
55	M67	X	-4.315	-4.315	0	%100
56	M67	Z	2.491	2.491	0	%100
57	M68	X	-2.633	-2.633	0	%100
58	M68	Z	1.52	1.52	0	%100
59	M69	X	-4.315	-4.315	0	%100
60	M69	Z	2.491	2.491	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
1	M11	X	0	0	0	%100
2	M11	Z	0	0	0	%100
3	M20A	X	-4.73	-4.73	0	%100
4	M20A	Z	0	0	0	%100
5	OVP	X	-3.24	-3.24	0	%100
6	OVP	Z	0	0	0	%100
7	M15	X	-3.24	-3.24	0	%100
8	M15	Z	0	0	0	%100
9	FACE	X	0	0	0	%100
10	FACE	Z	0	0	0	%100
11	M20	X	-4.265	-4.265	0	%100
12	M20	Z	0	0	0	%100
13	M21	X	-4.265	-4.265	0	%100
14	M21	Z	0	0	0	%100
15	M20B	X	-1.183	-1.183	0	%100
16	M20B	Z	0	0	0	%100
17	M21A	X	-1.183	-1.183	0	%100
18	M21A	Z	0	0	0	%100
19	MP4A	X	-4.475	-4.475	0	%100
20	MP4A	Z	0	0	0	%100
21	MP3A	X	-4.648	-4.648	0	%100
22	MP3A	Z	0	0	0	%100
23	MP2A	X	-4.475	-4.475	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	-4.475	-4.475	0	%100
26	MP1A	Z	0	0	0	%100
27	MP4C	X	-4.475	-4.475	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	-4.648	-4.648	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	-4.475	-4.475	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-4.475	-4.475	0	%100
34	MP1C	Z	0	0	0	%100
35	MP4B	X	-4.475	-4.475	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	-4.648	-4.648	0	%100
38	MP3B	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
39	MP2B	X	-4.475	-4.475	0 %100
40	MP2B	Z	0	0	%100
41	MP1B	X	-4.475	-4.475	0 %100
42	MP1B	Z	0	0	%100
43	M43	X	0	0	%100
44	M43	Z	0	0	%100
45	M44	X	-3.901	-3.901	0 %100
46	M44	Z	0	0	%100
47	M45	X	-3.901	-3.901	0 %100
48	M45	Z	0	0	%100
49	M64	X	-3.755	-3.755	0 %100
50	M64	Z	0	0	%100
51	M65	X	0	0	%100
52	M65	Z	0	0	%100
53	M66	X	-3.755	-3.755	0 %100
54	M66	Z	0	0	%100
55	M67	X	-5.63	-5.63	0 %100
56	M67	Z	0	0	%100
57	M68	X	-3.688	-3.688	0 %100
58	M68	Z	0	0	%100
59	M69	X	-3.688	-3.688	0 %100
60	M69	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
1	M11	X	-.935	-.935	0 %100
2	M11	Z	-.54	-.54	0 %100
3	M20A	X	-3.072	-3.072	0 %100
4	M20A	Z	-1.774	-1.774	0 %100
5	OVP	X	-.935	-.935	0 %100
6	OVP	Z	-.54	-.54	0 %100
7	M15	X	-3.741	-3.741	0 %100
8	M15	Z	-2.16	-2.16	0 %100
9	FACE	X	-1.231	-1.231	0 %100
10	FACE	Z	-.711	-.711	0 %100
11	M20	X	-1.231	-1.231	0 %100
12	M20	Z	-.711	-.711	0 %100
13	M21	X	-4.925	-4.925	0 %100
14	M21	Z	-2.843	-2.843	0 %100
15	M20B	X	-3.072	-3.072	0 %100
16	M20B	Z	-1.774	-1.774	0 %100
17	M21A	X	0	0	%100
18	M21A	Z	0	0	%100
19	MP4A	X	-3.875	-3.875	0 %100
20	MP4A	Z	-2.237	-2.237	0 %100
21	MP3A	X	-4.025	-4.025	0 %100
22	MP3A	Z	-2.324	-2.324	0 %100
23	MP2A	X	-3.875	-3.875	0 %100
24	MP2A	Z	-2.237	-2.237	0 %100
25	MP1A	X	-3.875	-3.875	0 %100
26	MP1A	Z	-2.237	-2.237	0 %100
27	MP4C	X	-3.875	-3.875	0 %100
28	MP4C	Z	-2.237	-2.237	0 %100
29	MP3C	X	-4.025	-4.025	0 %100
30	MP3C	Z	-2.324	-2.324	0 %100
31	MP2C	X	-3.875	-3.875	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...]
32	MP2C	Z	-2.237	-2.237	0 %100
33	MP1C	X	-3.875	-3.875	0 %100
34	MP1C	Z	-2.237	-2.237	0 %100
35	MP4B	X	-3.875	-3.875	0 %100
36	MP4B	Z	-2.237	-2.237	0 %100
37	MP3B	X	-4.025	-4.025	0 %100
38	MP3B	Z	-2.324	-2.324	0 %100
39	MP2B	X	-3.875	-3.875	0 %100
40	MP2B	Z	-2.237	-2.237	0 %100
41	MP1B	X	-3.875	-3.875	0 %100
42	MP1B	Z	-2.237	-2.237	0 %100
43	M43	X	-1.126	-1.126	0 %100
44	M43	Z	-.65	-.65	0 %100
45	M44	X	-1.126	-1.126	0 %100
46	M44	Z	-.65	-.65	0 %100
47	M45	X	-4.504	-4.504	0 %100
48	M45	Z	-2.601	-2.601	0 %100
49	M64	X	-1.084	-1.084	0 %100
50	M64	Z	-.626	-.626	0 %100
51	M65	X	-1.084	-1.084	0 %100
52	M65	Z	-.626	-.626	0 %100
53	M66	X	-4.336	-4.336	0 %100
54	M66	Z	-2.504	-2.504	0 %100
55	M67	X	-4.315	-4.315	0 %100
56	M67	Z	-2.491	-2.491	0 %100
57	M68	X	-4.315	-4.315	0 %100
58	M68	Z	-2.491	-2.491	0 %100
59	M69	X	-2.633	-2.633	0 %100
60	M69	Z	-1.52	-1.52	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...]
1	M11	X	-1.62	-1.62	0 %100
2	M11	Z	-2.806	-2.806	0 %100
3	M20A	X	-.591	-.591	0 %100
4	M20A	Z	-1.024	-1.024	0 %100
5	OVP	X	0	0	0 %100
6	OVP	Z	0	0	0 %100
7	M15	X	-1.62	-1.62	0 %100
8	M15	Z	-2.806	-2.806	0 %100
9	FACE	X	-2.133	-2.133	0 %100
10	FACE	Z	-3.694	-3.694	0 %100
11	M20	X	0	0	0 %100
12	M20	Z	0	0	0 %100
13	M21	X	-2.133	-2.133	0 %100
14	M21	Z	-3.694	-3.694	0 %100
15	M20B	X	-2.365	-2.365	0 %100
16	M20B	Z	-4.097	-4.097	0 %100
17	M21A	X	-.591	-.591	0 %100
18	M21A	Z	-1.024	-1.024	0 %100
19	MP4A	X	-2.237	-2.237	0 %100
20	MP4A	Z	-3.875	-3.875	0 %100
21	MP3A	X	-2.324	-2.324	0 %100
22	MP3A	Z	-4.025	-4.025	0 %100
23	MP2A	X	-2.237	-2.237	0 %100
24	MP2A	Z	-3.875	-3.875	0 %100





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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
25	MP1A	X	-2.237	0	%100
26	MP1A	Z	-3.875	0	%100
27	MP4C	X	-2.237	0	%100
28	MP4C	Z	-3.875	0	%100
29	MP3C	X	-2.324	0	%100
30	MP3C	Z	-4.025	0	%100
31	MP2C	X	-2.237	0	%100
32	MP2C	Z	-3.875	0	%100
33	MP1C	X	-2.237	0	%100
34	MP1C	Z	-3.875	0	%100
35	MP4B	X	-2.237	0	%100
36	MP4B	Z	-3.875	0	%100
37	MP3B	X	-2.324	0	%100
38	MP3B	Z	-4.025	0	%100
39	MP2B	X	-2.237	0	%100
40	MP2B	Z	-3.875	0	%100
41	MP1B	X	-2.237	0	%100
42	MP1B	Z	-3.875	0	%100
43	M43	X	-1.95	0	%100
44	M43	Z	-3.378	0	%100
45	M44	X	0	0	%100
46	M44	Z	0	0	%100
47	M45	X	-1.95	0	%100
48	M45	Z	-3.378	0	%100
49	M64	X	0	0	%100
50	M64	Z	0	0	%100
51	M65	X	-1.878	0	%100
52	M65	Z	-3.252	0	%100
53	M66	X	-1.878	0	%100
54	M66	Z	-3.252	0	%100
55	M67	X	-1.844	0	%100
56	M67	Z	-3.194	0	%100
57	M68	X	-2.815	0	%100
58	M68	Z	-4.876	0	%100
59	M69	X	-1.844	0	%100
60	M69	Z	-3.194	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
1	M11	X	0	0	%100
2	M11	Z	-.73	0	%100
3	M20A	X	0	0	%100
4	M20A	Z	0	0	%100
5	OVP	X	0	0	%100
6	OVP	Z	-.182	0	%100
7	M15	X	0	0	%100
8	M15	Z	-.182	0	%100
9	FACE	X	0	0	%100
10	FACE	Z	-.931	0	%100
11	M20	X	0	0	%100
12	M20	Z	-.233	0	%100
13	M21	X	0	0	%100
14	M21	Z	-.233	0	%100
15	M20B	X	0	0	%100
16	M20B	Z	-.576	0	%100
17	M21A	X	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
18	M21A	Z	-.576	-.576	0	%100
19	MP4A	X	0	0	0	%100
20	MP4A	Z	-.664	-.664	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-.664	-.664	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-.664	-.664	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-.664	-.664	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	-.664	-.664	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	-.664	-.664	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-.664	-.664	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-.664	-.664	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	-.664	-.664	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-.664	-.664	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-.664	-.664	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-.664	-.664	0	%100
43	M43	X	0	0	0	%100
44	M43	Z	-.804	-.804	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-.201	-.201	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-.201	-.201	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-.266	-.266	0	%100
51	M65	X	0	0	0	%100
52	M65	Z	-1.064	-1.064	0	%100
53	M66	X	0	0	0	%100
54	M66	Z	-.266	-.266	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	-.787	-.787	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-1.095	-1.095	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	-1.095	-1.095	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
1	M11	X	.274	.274	0	%100
2	M11	Z	-.474	-.474	0	%100
3	M20A	X	.096	.096	0	%100
4	M20A	Z	-.166	-.166	0	%100
5	OVP	X	.274	.274	0	%100
6	OVP	Z	-.474	-.474	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	0	0	0	%100
9	FACE	X	.349	.349	0	%100
10	FACE	Z	-.605	-.605	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
11	M20	X	.349	0	%100
12	M20	Z	-.605	0	%100
13	M21	X	0	0	%100
14	M21	Z	0	0	%100
15	M20B	X	.096	0	%100
16	M20B	Z	-.166	0	%100
17	M21A	X	.384	0	%100
18	M21A	Z	-.665	0	%100
19	MP4A	X	.332	0	%100
20	MP4A	Z	-.575	0	%100
21	MP3A	X	.332	0	%100
22	MP3A	Z	-.575	0	%100
23	MP2A	X	.332	0	%100
24	MP2A	Z	-.575	0	%100
25	MP1A	X	.332	0	%100
26	MP1A	Z	-.575	0	%100
27	MP4C	X	.332	0	%100
28	MP4C	Z	-.575	0	%100
29	MP3C	X	.332	0	%100
30	MP3C	Z	-.575	0	%100
31	MP2C	X	.332	0	%100
32	MP2C	Z	-.575	0	%100
33	MP1C	X	.332	0	%100
34	MP1C	Z	-.575	0	%100
35	MP4B	X	.332	0	%100
36	MP4B	Z	-.575	0	%100
37	MP3B	X	.332	0	%100
38	MP3B	Z	-.575	0	%100
39	MP2B	X	.332	0	%100
40	MP2B	Z	-.575	0	%100
41	MP1B	X	.332	0	%100
42	MP1B	Z	-.575	0	%100
43	M43	X	.302	0	%100
44	M43	Z	-.522	0	%100
45	M44	X	.302	0	%100
46	M44	Z	-.522	0	%100
47	M45	X	0	0	%100
48	M45	Z	0	0	%100
49	M64	X	.399	0	%100
50	M64	Z	-.691	0	%100
51	M65	X	.399	0	%100
52	M65	Z	-.691	0	%100
53	M66	X	0	0	%100
54	M66	Z	0	0	%100
55	M67	X	.445	0	%100
56	M67	Z	-.77	0	%100
57	M68	X	.445	0	%100
58	M68	Z	-.77	0	%100
59	M69	X	.599	0	%100
60	M69	Z	-1.038	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
1	M11	X	.158	0	%100
2	M11	Z	-.091	0	%100
3	M20A	X	.499	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Locationfi...
4	M20A	Z	-.288	0	%100
5	OVP	X	.632	0	%100
6	OVP	Z	-.365	0	%100
7	M15	X	.158	0	%100
8	M15	Z	-.091	0	%100
9	FACE	X	.202	0	%100
10	FACE	Z	-.116	0	%100
11	M20	X	.806	0	%100
12	M20	Z	-.466	0	%100
13	M21	X	.202	0	%100
14	M21	Z	-.116	0	%100
15	M20B	X	0	0	%100
16	M20B	Z	0	0	%100
17	M21A	X	.499	0	%100
18	M21A	Z	-.288	0	%100
19	MP4A	X	.575	0	%100
20	MP4A	Z	-.332	0	%100
21	MP3A	X	.575	0	%100
22	MP3A	Z	-.332	0	%100
23	MP2A	X	.575	0	%100
24	MP2A	Z	-.332	0	%100
25	MP1A	X	.575	0	%100
26	MP1A	Z	-.332	0	%100
27	MP4C	X	.575	0	%100
28	MP4C	Z	-.332	0	%100
29	MP3C	X	.575	0	%100
30	MP3C	Z	-.332	0	%100
31	MP2C	X	.575	0	%100
32	MP2C	Z	-.332	0	%100
33	MP1C	X	.575	0	%100
34	MP1C	Z	-.332	0	%100
35	MP4B	X	.575	0	%100
36	MP4B	Z	-.332	0	%100
37	MP3B	X	.575	0	%100
38	MP3B	Z	-.332	0	%100
39	MP2B	X	.575	0	%100
40	MP2B	Z	-.332	0	%100
41	MP1B	X	.575	0	%100
42	MP1B	Z	-.332	0	%100
43	M43	X	.174	0	%100
44	M43	Z	-.101	0	%100
45	M44	X	.696	0	%100
46	M44	Z	-.402	0	%100
47	M45	X	.174	0	%100
48	M45	Z	-.101	0	%100
49	M64	X	.921	0	%100
50	M64	Z	-.532	0	%100
51	M65	X	.23	0	%100
52	M65	Z	-.133	0	%100
53	M66	X	.23	0	%100
54	M66	Z	-.133	0	%100
55	M67	X	.949	0	%100
56	M67	Z	-.548	0	%100
57	M68	X	.681	0	%100
58	M68	Z	-.393	0	%100
59	M69	X	.949	0	%100
60	M69	Z	-.548	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
1	M11	X	0	0	%100
2	M11	Z	0	0	%100
3	M20A	X	.768	.768	0
4	M20A	Z	0	0	%100
5	OVP	X	.547	.547	0
6	OVP	Z	0	0	%100
7	M15	X	.547	.547	0
8	M15	Z	0	0	%100
9	FACE	X	0	0	%100
10	FACE	Z	0	0	%100
11	M20	X	.698	.698	0
12	M20	Z	0	0	%100
13	M21	X	.698	.698	0
14	M21	Z	0	0	%100
15	M20B	X	.192	.192	0
16	M20B	Z	0	0	%100
17	M21A	X	.192	.192	0
18	M21A	Z	0	0	%100
19	MP4A	X	.664	.664	0
20	MP4A	Z	0	0	%100
21	MP3A	X	.664	.664	0
22	MP3A	Z	0	0	%100
23	MP2A	X	.664	.664	0
24	MP2A	Z	0	0	%100
25	MP1A	X	.664	.664	0
26	MP1A	Z	0	0	%100
27	MP4C	X	.664	.664	0
28	MP4C	Z	0	0	%100
29	MP3C	X	.664	.664	0
30	MP3C	Z	0	0	%100
31	MP2C	X	.664	.664	0
32	MP2C	Z	0	0	%100
33	MP1C	X	.664	.664	0
34	MP1C	Z	0	0	%100
35	MP4B	X	.664	.664	0
36	MP4B	Z	0	0	%100
37	MP3B	X	.664	.664	0
38	MP3B	Z	0	0	%100
39	MP2B	X	.664	.664	0
40	MP2B	Z	0	0	%100
41	MP1B	X	.664	.664	0
42	MP1B	Z	0	0	%100
43	M43	X	0	0	%100
44	M43	Z	0	0	%100
45	M44	X	.603	.603	0
46	M44	Z	0	0	%100
47	M45	X	.603	.603	0
48	M45	Z	0	0	%100
49	M64	X	.798	.798	0
50	M64	Z	0	0	%100
51	M65	X	0	0	%100
52	M65	Z	0	0	%100
53	M66	X	.798	.798	0
54	M66	Z	0	0	%100
55	M67	X	1.198	1.198	0
56	M67	Z	0	0	%100
57	M68	X	.89	.89	0



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 Model Name : Antenna Mount analysis

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
58	M68	Z	0	0	%100
59	M69	X	.89	0	%100
60	M69	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	.158	0	%100
2	M11	Z	.091	0	%100
3	M20A	X	.499	0	%100
4	M20A	Z	.288	0	%100
5	OVP	X	.158	0	%100
6	OVP	Z	.091	0	%100
7	M15	X	.632	0	%100
8	M15	Z	.365	0	%100
9	FACE	X	.202	0	%100
10	FACE	Z	.116	0	%100
11	M20	X	.202	0	%100
12	M20	Z	.116	0	%100
13	M21	X	.806	0	%100
14	M21	Z	.466	0	%100
15	M20B	X	.499	0	%100
16	M20B	Z	.288	0	%100
17	M21A	X	0	0	%100
18	M21A	Z	0	0	%100
19	MP4A	X	.575	0	%100
20	MP4A	Z	.332	0	%100
21	MP3A	X	.575	0	%100
22	MP3A	Z	.332	0	%100
23	MP2A	X	.575	0	%100
24	MP2A	Z	.332	0	%100
25	MP1A	X	.575	0	%100
26	MP1A	Z	.332	0	%100
27	MP4C	X	.575	0	%100
28	MP4C	Z	.332	0	%100
29	MP3C	X	.575	0	%100
30	MP3C	Z	.332	0	%100
31	MP2C	X	.575	0	%100
32	MP2C	Z	.332	0	%100
33	MP1C	X	.575	0	%100
34	MP1C	Z	.332	0	%100
35	MP4B	X	.575	0	%100
36	MP4B	Z	.332	0	%100
37	MP3B	X	.575	0	%100
38	MP3B	Z	.332	0	%100
39	MP2B	X	.575	0	%100
40	MP2B	Z	.332	0	%100
41	MP1B	X	.575	0	%100
42	MP1B	Z	.332	0	%100
43	M43	X	.174	0	%100
44	M43	Z	.101	0	%100
45	M44	X	.174	0	%100
46	M44	Z	.101	0	%100
47	M45	X	.696	0	%100
48	M45	Z	.402	0	%100
49	M64	X	.23	0	%100
50	M64	Z	.133	0	%100



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 Job Number :  
 Model Name : Antenna Mount analysis

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
51	M65	X	.23	.23	0 %100
52	M65	Z	.133	.133	0 %100
53	M66	X	.921	.921	0 %100
54	M66	Z	.532	.532	0 %100
55	M67	X	.949	.949	0 %100
56	M67	Z	.548	.548	0 %100
57	M68	X	.949	.949	0 %100
58	M68	Z	.548	.548	0 %100
59	M69	X	.681	.681	0 %100
60	M69	Z	.393	.393	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	.274	.274	0 %100
2	M11	Z	.474	.474	0 %100
3	M20A	X	.096	.096	0 %100
4	M20A	Z	.166	.166	0 %100
5	OVP	X	0	0	0 %100
6	OVP	Z	0	0	0 %100
7	M15	X	.274	.274	0 %100
8	M15	Z	.474	.474	0 %100
9	FACE	X	.349	.349	0 %100
10	FACE	Z	.605	.605	0 %100
11	M20	X	0	0	0 %100
12	M20	Z	0	0	0 %100
13	M21	X	.349	.349	0 %100
14	M21	Z	.605	.605	0 %100
15	M20B	X	.384	.384	0 %100
16	M20B	Z	.665	.665	0 %100
17	M21A	X	.096	.096	0 %100
18	M21A	Z	.166	.166	0 %100
19	MP4A	X	.332	.332	0 %100
20	MP4A	Z	.575	.575	0 %100
21	MP3A	X	.332	.332	0 %100
22	MP3A	Z	.575	.575	0 %100
23	MP2A	X	.332	.332	0 %100
24	MP2A	Z	.575	.575	0 %100
25	MP1A	X	.332	.332	0 %100
26	MP1A	Z	.575	.575	0 %100
27	MP4C	X	.332	.332	0 %100
28	MP4C	Z	.575	.575	0 %100
29	MP3C	X	.332	.332	0 %100
30	MP3C	Z	.575	.575	0 %100
31	MP2C	X	.332	.332	0 %100
32	MP2C	Z	.575	.575	0 %100
33	MP1C	X	.332	.332	0 %100
34	MP1C	Z	.575	.575	0 %100
35	MP4B	X	.332	.332	0 %100
36	MP4B	Z	.575	.575	0 %100
37	MP3B	X	.332	.332	0 %100
38	MP3B	Z	.575	.575	0 %100
39	MP2B	X	.332	.332	0 %100
40	MP2B	Z	.575	.575	0 %100
41	MP1B	X	.332	.332	0 %100
42	MP1B	Z	.575	.575	0 %100
43	M43	X	.302	.302	0 %100



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
44	M43	Z	.522	0	%100
45	M44	X	0	0	%100
46	M44	Z	0	0	%100
47	M45	X	.302	0	%100
48	M45	Z	.522	0	%100
49	M64	X	0	0	%100
50	M64	Z	0	0	%100
51	M65	X	.399	0	%100
52	M65	Z	.691	0	%100
53	M66	X	.399	0	%100
54	M66	Z	.691	0	%100
55	M67	X	.445	0	%100
56	M67	Z	.77	0	%100
57	M68	X	.599	0	%100
58	M68	Z	1.038	0	%100
59	M69	X	.445	0	%100
60	M69	Z	.77	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	0	0	%100
2	M11	Z	.73	0	%100
3	M20A	X	0	0	%100
4	M20A	Z	0	0	%100
5	OVP	X	0	0	%100
6	OVP	Z	.182	0	%100
7	M15	X	0	0	%100
8	M15	Z	.182	0	%100
9	FACE	X	0	0	%100
10	FACE	Z	.931	0	%100
11	M20	X	0	0	%100
12	M20	Z	.233	0	%100
13	M21	X	0	0	%100
14	M21	Z	.233	0	%100
15	M20B	X	0	0	%100
16	M20B	Z	.576	0	%100
17	M21A	X	0	0	%100
18	M21A	Z	.576	0	%100
19	MP4A	X	0	0	%100
20	MP4A	Z	.664	0	%100
21	MP3A	X	0	0	%100
22	MP3A	Z	.664	0	%100
23	MP2A	X	0	0	%100
24	MP2A	Z	.664	0	%100
25	MP1A	X	0	0	%100
26	MP1A	Z	.664	0	%100
27	MP4C	X	0	0	%100
28	MP4C	Z	.664	0	%100
29	MP3C	X	0	0	%100
30	MP3C	Z	.664	0	%100
31	MP2C	X	0	0	%100
32	MP2C	Z	.664	0	%100
33	MP1C	X	0	0	%100
34	MP1C	Z	.664	0	%100
35	MP4B	X	0	0	%100
36	MP4B	Z	.664	0	%100





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 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...]	
37	MP3B	X	0	0	%100	
38	MP3B	Z	.664	.664	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	.664	.664	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	.664	.664	0	%100
43	M43	X	0	0	0	%100
44	M43	Z	.804	.804	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	.201	.201	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	.201	.201	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	.266	.266	0	%100
51	M65	X	0	0	0	%100
52	M65	Z	1.064	1.064	0	%100
53	M66	X	0	0	0	%100
54	M66	Z	.266	.266	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	.787	.787	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	1.095	1.095	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	1.095	1.095	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...]	
1	M11	X	-.274	-.274	0	%100
2	M11	Z	.474	.474	0	%100
3	M20A	X	-.096	-.096	0	%100
4	M20A	Z	.166	.166	0	%100
5	OVP	X	-.274	-.274	0	%100
6	OVP	Z	.474	.474	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	0	0	0	%100
9	FACE	X	-.349	-.349	0	%100
10	FACE	Z	.605	.605	0	%100
11	M20	X	-.349	-.349	0	%100
12	M20	Z	.605	.605	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M20B	X	-.096	-.096	0	%100
16	M20B	Z	.166	.166	0	%100
17	M21A	X	-.384	-.384	0	%100
18	M21A	Z	.665	.665	0	%100
19	MP4A	X	-.332	-.332	0	%100
20	MP4A	Z	.575	.575	0	%100
21	MP3A	X	-.332	-.332	0	%100
22	MP3A	Z	.575	.575	0	%100
23	MP2A	X	-.332	-.332	0	%100
24	MP2A	Z	.575	.575	0	%100
25	MP1A	X	-.332	-.332	0	%100
26	MP1A	Z	.575	.575	0	%100
27	MP4C	X	-.332	-.332	0	%100
28	MP4C	Z	.575	.575	0	%100
29	MP3C	X	-.332	-.332	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
30	MP3C	Z	.575	0	%100
31	MP2C	X	-.332	0	%100
32	MP2C	Z	.575	0	%100
33	MP1C	X	-.332	0	%100
34	MP1C	Z	.575	0	%100
35	MP4B	X	-.332	0	%100
36	MP4B	Z	.575	0	%100
37	MP3B	X	-.332	0	%100
38	MP3B	Z	.575	0	%100
39	MP2B	X	-.332	0	%100
40	MP2B	Z	.575	0	%100
41	MP1B	X	-.332	0	%100
42	MP1B	Z	.575	0	%100
43	M43	X	-.302	0	%100
44	M43	Z	.522	0	%100
45	M44	X	-.302	0	%100
46	M44	Z	.522	0	%100
47	M45	X	0	0	%100
48	M45	Z	0	0	%100
49	M64	X	-.399	0	%100
50	M64	Z	.691	0	%100
51	M65	X	-.399	0	%100
52	M65	Z	.691	0	%100
53	M66	X	0	0	%100
54	M66	Z	0	0	%100
55	M67	X	-.445	0	%100
56	M67	Z	.77	0	%100
57	M68	X	-.445	0	%100
58	M68	Z	.77	0	%100
59	M69	X	-.599	0	%100
60	M69	Z	1.038	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	-.158	0	%100
2	M11	Z	.091	0	%100
3	M20A	X	-.499	0	%100
4	M20A	Z	.288	0	%100
5	OVP	X	-.632	0	%100
6	OVP	Z	.365	0	%100
7	M15	X	-.158	0	%100
8	M15	Z	.091	0	%100
9	FACE	X	-.202	0	%100
10	FACE	Z	.116	0	%100
11	M20	X	-.806	0	%100
12	M20	Z	.466	0	%100
13	M21	X	-.202	0	%100
14	M21	Z	.116	0	%100
15	M20B	X	0	0	%100
16	M20B	Z	0	0	%100
17	M21A	X	-.499	0	%100
18	M21A	Z	.288	0	%100
19	MP4A	X	-.575	0	%100
20	MP4A	Z	.332	0	%100
21	MP3A	X	-.575	0	%100
22	MP3A	Z	.332	0	%100



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 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
23	MP2A	X	-.575	0	%100
24	MP2A	Z	.332	0	%100
25	MP1A	X	-.575	0	%100
26	MP1A	Z	.332	0	%100
27	MP4C	X	-.575	0	%100
28	MP4C	Z	.332	0	%100
29	MP3C	X	-.575	0	%100
30	MP3C	Z	.332	0	%100
31	MP2C	X	-.575	0	%100
32	MP2C	Z	.332	0	%100
33	MP1C	X	-.575	0	%100
34	MP1C	Z	.332	0	%100
35	MP4B	X	-.575	0	%100
36	MP4B	Z	.332	0	%100
37	MP3B	X	-.575	0	%100
38	MP3B	Z	.332	0	%100
39	MP2B	X	-.575	0	%100
40	MP2B	Z	.332	0	%100
41	MP1B	X	-.575	0	%100
42	MP1B	Z	.332	0	%100
43	M43	X	-.174	0	%100
44	M43	Z	.101	0	%100
45	M44	X	-.696	0	%100
46	M44	Z	.402	0	%100
47	M45	X	-.174	0	%100
48	M45	Z	.101	0	%100
49	M64	X	-.921	0	%100
50	M64	Z	.532	0	%100
51	M65	X	-.23	0	%100
52	M65	Z	.133	0	%100
53	M66	X	-.23	0	%100
54	M66	Z	.133	0	%100
55	M67	X	-.949	0	%100
56	M67	Z	.548	0	%100
57	M68	X	-.681	0	%100
58	M68	Z	.393	0	%100
59	M69	X	-.949	0	%100
60	M69	Z	.548	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
1	M11	X	0	0	%100
2	M11	Z	0	0	%100
3	M20A	X	-.768	0	%100
4	M20A	Z	0	0	%100
5	OVP	X	-.547	0	%100
6	OVP	Z	0	0	%100
7	M15	X	-.547	0	%100
8	M15	Z	0	0	%100
9	FACE	X	0	0	%100
10	FACE	Z	0	0	%100
11	M20	X	-.698	0	%100
12	M20	Z	0	0	%100
13	M21	X	-.698	0	%100
14	M21	Z	0	0	%100
15	M20B	X	-.192	0	%100



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 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
16	M20B	Z	0	0	0	%100
17	M21A	X	-.192	-.192	0	%100
18	M21A	Z	0	0	0	%100
19	MP4A	X	-.664	-.664	0	%100
20	MP4A	Z	0	0	0	%100
21	MP3A	X	-.664	-.664	0	%100
22	MP3A	Z	0	0	0	%100
23	MP2A	X	-.664	-.664	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	-.664	-.664	0	%100
26	MP1A	Z	0	0	0	%100
27	MP4C	X	-.664	-.664	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	-.664	-.664	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	-.664	-.664	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-.664	-.664	0	%100
34	MP1C	Z	0	0	0	%100
35	MP4B	X	-.664	-.664	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	-.664	-.664	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	-.664	-.664	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-.664	-.664	0	%100
42	MP1B	Z	0	0	0	%100
43	M43	X	0	0	0	%100
44	M43	Z	0	0	0	%100
45	M44	X	-.603	-.603	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-.603	-.603	0	%100
48	M45	Z	0	0	0	%100
49	M64	X	-.798	-.798	0	%100
50	M64	Z	0	0	0	%100
51	M65	X	0	0	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	-.798	-.798	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	-1.198	-1.198	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	-.89	-.89	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	-.89	-.89	0	%100
60	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location...	End Location[i...
1	M11	X	-.158	-.158	0	%100
2	M11	Z	-.091	-.091	0	%100
3	M20A	X	-.499	-.499	0	%100
4	M20A	Z	-.288	-.288	0	%100
5	OVP	X	-.158	-.158	0	%100
6	OVP	Z	-.091	-.091	0	%100
7	M15	X	-.632	-.632	0	%100
8	M15	Z	-.365	-.365	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
9	FACE	X	-.202	-.202	0	%100
10	FACE	Z	-.116	-.116	0	%100
11	M20	X	-.202	-.202	0	%100
12	M20	Z	-.116	-.116	0	%100
13	M21	X	-.806	-.806	0	%100
14	M21	Z	-.466	-.466	0	%100
15	M20B	X	-.499	-.499	0	%100
16	M20B	Z	-.288	-.288	0	%100
17	M21A	X	0	0	0	%100
18	M21A	Z	0	0	0	%100
19	MP4A	X	-.575	-.575	0	%100
20	MP4A	Z	-.332	-.332	0	%100
21	MP3A	X	-.575	-.575	0	%100
22	MP3A	Z	-.332	-.332	0	%100
23	MP2A	X	-.575	-.575	0	%100
24	MP2A	Z	-.332	-.332	0	%100
25	MP1A	X	-.575	-.575	0	%100
26	MP1A	Z	-.332	-.332	0	%100
27	MP4C	X	-.575	-.575	0	%100
28	MP4C	Z	-.332	-.332	0	%100
29	MP3C	X	-.575	-.575	0	%100
30	MP3C	Z	-.332	-.332	0	%100
31	MP2C	X	-.575	-.575	0	%100
32	MP2C	Z	-.332	-.332	0	%100
33	MP1C	X	-.575	-.575	0	%100
34	MP1C	Z	-.332	-.332	0	%100
35	MP4B	X	-.575	-.575	0	%100
36	MP4B	Z	-.332	-.332	0	%100
37	MP3B	X	-.575	-.575	0	%100
38	MP3B	Z	-.332	-.332	0	%100
39	MP2B	X	-.575	-.575	0	%100
40	MP2B	Z	-.332	-.332	0	%100
41	MP1B	X	-.575	-.575	0	%100
42	MP1B	Z	-.332	-.332	0	%100
43	M43	X	-.174	-.174	0	%100
44	M43	Z	-.101	-.101	0	%100
45	M44	X	-.174	-.174	0	%100
46	M44	Z	-.101	-.101	0	%100
47	M45	X	-.696	-.696	0	%100
48	M45	Z	-.402	-.402	0	%100
49	M64	X	-.23	-.23	0	%100
50	M64	Z	-.133	-.133	0	%100
51	M65	X	-.23	-.23	0	%100
52	M65	Z	-.133	-.133	0	%100
53	M66	X	-.921	-.921	0	%100
54	M66	Z	-.532	-.532	0	%100
55	M67	X	-.949	-.949	0	%100
56	M67	Z	-.548	-.548	0	%100
57	M68	X	-.949	-.949	0	%100
58	M68	Z	-.548	-.548	0	%100
59	M69	X	-.681	-.681	0	%100
60	M69	Z	-.393	-.393	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[...
1	M11	X	-.274	-.274	0	%100



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Locationfi...
2	M11	Z	-474	0	%100
3	M20A	X	-096	0	%100
4	M20A	Z	-166	0	%100
5	OVP	X	0	0	%100
6	OVP	Z	0	0	%100
7	M15	X	-274	0	%100
8	M15	Z	-474	0	%100
9	FACE	X	-349	0	%100
10	FACE	Z	-605	0	%100
11	M20	X	0	0	%100
12	M20	Z	0	0	%100
13	M21	X	-349	0	%100
14	M21	Z	-605	0	%100
15	M20B	X	-384	0	%100
16	M20B	Z	-665	0	%100
17	M21A	X	-096	0	%100
18	M21A	Z	-166	0	%100
19	MP4A	X	-332	0	%100
20	MP4A	Z	-575	0	%100
21	MP3A	X	-332	0	%100
22	MP3A	Z	-575	0	%100
23	MP2A	X	-332	0	%100
24	MP2A	Z	-575	0	%100
25	MP1A	X	-332	0	%100
26	MP1A	Z	-575	0	%100
27	MP4C	X	-332	0	%100
28	MP4C	Z	-575	0	%100
29	MP3C	X	-332	0	%100
30	MP3C	Z	-575	0	%100
31	MP2C	X	-332	0	%100
32	MP2C	Z	-575	0	%100
33	MP1C	X	-332	0	%100
34	MP1C	Z	-575	0	%100
35	MP4B	X	-332	0	%100
36	MP4B	Z	-575	0	%100
37	MP3B	X	-332	0	%100
38	MP3B	Z	-575	0	%100
39	MP2B	X	-332	0	%100
40	MP2B	Z	-575	0	%100
41	MP1B	X	-332	0	%100
42	MP1B	Z	-575	0	%100
43	M43	X	-302	0	%100
44	M43	Z	-522	0	%100
45	M44	X	0	0	%100
46	M44	Z	0	0	%100
47	M45	X	-302	0	%100
48	M45	Z	-522	0	%100
49	M64	X	0	0	%100
50	M64	Z	0	0	%100
51	M65	X	-399	0	%100
52	M65	Z	-691	0	%100
53	M66	X	-399	0	%100
54	M66	Z	-691	0	%100
55	M67	X	-445	0	%100
56	M67	Z	-.77	0	%100
57	M68	X	-.599	0	%100
58	M68	Z	-1.038	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[i...
59	M69	X	-445	-445	0 %100
60	M69	Z	-77	-77	0 %100

**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	N30A	m...	4403.535	21	-190.327	3	648.85	1	.519	19	3.761	12	.749	35
2		min	-782.513	3	-949.591	21	-2608.468	19	-.381	25	-3.761	6	.132	5
3	N12	m...	1368.807	10	-166.774	7	4675.429	13	-.155	7	3.345	4	.244	22
4		min	-1368.897	4	-865.028	13	-845.032	7	-.716	13	-3.345	10	-.054	5
5	N32	m...	776.973	11	-158.531	11	739.14	12	.181	20	3.183	8	-.134	10
6		min	-4103.091	17	-875.261	17	-2436.783	18	-.443	37	-3.182	2	-.771	40
7	N122	m...	33.692	10	3386.68	13	-1167.797	7	0	51	0	4	0	10
8		min	-33.615	4	897.324	7	-4323.267	13	0	1	0	10	0	4
9	N124	m...	-1090.72	3	3677.279	21	2350.408	21	0	6	0	12	0	12
10		min	-4071.721	21	967.97	3	630.113	3	0	12	0	6	0	6
11	N126	m...	3790.365	17	3427.847	17	2188.568	17	0	8	0	8	0	8
12		min	994.496	11	882.305	11	574.013	11	0	2	0	2	0	2
13	Totals:	m...	4758.942	10	7671.758	18	4661.412	1						
14		min	-4758.943	4	2741.01	12	-4661.413	7						

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

Member	Shape	Code Ch...	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*...	phi*...	phi*...	phi*...	Eqn
1	M11	PIPE_...	.444	22	21	.140	22	21	6067...	65205	5.749	5.749	H1-...
2	M20A	PIPE_...	.324	0	4	.108	39.312	23	8800...	93240	10.631	10.631	H1-...
3	OVP	PIPE_...	.455	22	17	.137	22	17	6067...	65205	5.749	5.749	H1-...
4	M15	PIPE_...	.450	22	13	.141	22	24	6067...	65205	5.749	5.749	H1-...
5	FACE	PIPE_...	.174	105.187	6	.071	127.5	14	2731...	65205	5.749	5.749	H1-...
6	M20	PIPE_...	.165	25.5	17	.069	127.5	22	2731...	65205	5.749	5.749	H1-...
7	M21	PIPE_...	.166	105.187	10	.072	127.5	18	2731...	65205	5.749	5.749	H1-...
8	M20B	PIPE_...	.364	0	12	.127	39.313	36	8800...	93240	10.631	10.631	H1-...
9	M21A	PIPE_...	.309	0	8	.132	39.313	39	8800...	93240	10.631	10.631	H1-...
10	MP4A	PIPE_...	.133	6	35	.061	30	11	2086...	32130	1.872	1.872	H1-...
11	MP3A	PIPE_...	.282	42	12	.075	42	11	1785...	32130	1.872	1.872	H1-...
12	MP2A	PIPE_...	.489	30	1	.131	30	3	2086...	32130	1.872	1.872	H1-...
13	MP1A	PIPE_...	.140	6	40	.072	30	3	2086...	32130	1.872	1.872	H1-...
14	MP4C	PIPE_...	.090	30	19	.058	30	7	2086...	32130	1.872	1.872	H1-...
15	MP3C	PIPE_...	.272	42	19	.073	42	6	1785...	32130	1.872	1.872	H1-...
16	MP2C	PIPE_...	.480	30	10	.131	30	12	2086...	32130	1.872	1.872	H1-...
17	MP1C	PIPE_...	.129	30	22	.078	30	11	2086...	32130	1.872	1.872	H1-...
18	MP4B	PIPE_...	.090	30	16	.057	30	3	2086...	32130	1.872	1.872	H1-...
19	MP3B	PIPE_...	.271	42	4	.069	42	3	1785...	32130	1.872	1.872	H1-...
20	MP2B	PIPE_...	.480	30	5	.130	30	7	2086...	32130	1.872	1.872	H1-...
21	MP1B	PIPE_...	.129	30	18	.074	30	7	2086...	32130	1.872	1.872	H1-...
22	M43	PIPE_...	.120	137.5	4	.049	137.5	7	1455...	50715	3.596	3.596	H1-...
23	M44	PIPE_...	.122	137.5	12	.048	12.5	4	1455...	50715	3.596	3.596	H1-...
24	M45	PIPE_...	.111	137.5	8	.048	137.5	11	1455...	50715	3.596	3.596	H1-...
25	M64	L3X3X4	.226	31.89	2	.016	31.89	z	3989...	46656	1.688	3.756	H2-1
26	M65	L3X3X4	.249	31.89	6	.015	31.89	y	3989...	46656	1.688	3.756	H2-1



Company : Maser Consulting  
 Designer : DC  
 Job Number :  
 Model Name : Antenna Mount analysis

July 13, 2021  
 9:33 AM  
 Checked By: DX

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

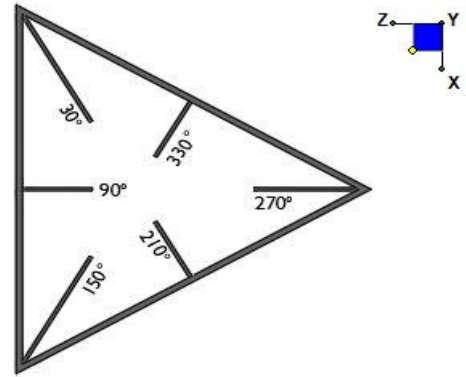
Member	Shape	Code Ch...	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*...	phi*...	phi*...	phi*...	Eqn	
27	M66	L3X3X4	.248	31.89	10	.016	31.89	y	46	3989...	46656	1.688	3.756	H2-1
28	M67	LL3x3x...	.115	49.204	13	.006	0	z	10	4792...	70632	5.543	3.751	1 H1-...
29	M68	LL3x3x...	.125	49.204	21	.007	0	z	6	4792...	70632	5.543	3.751	1 H1-...
30	M69	LL3x3x...	.116	49.204	17	.006	49.204	z	2	4792...	70632	5.543	3.751	1 H1-...



## I. Mount-to-Tower Connection Check

### RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N30A	30
N32	150
N12	270



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):

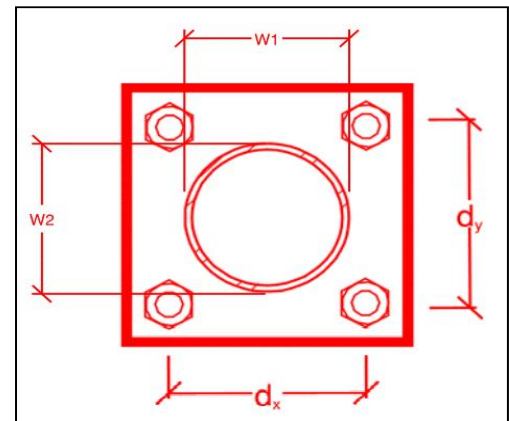
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
6
6
A325N
0.625
16.7
3.6
20.7
12.4
<b>20.2%*</b>
<b>7.3%</b>



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

### Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

$F_y$  (ksi, plate):

$t_{plate}$  (in):

Weld Size (1/16 in):

$\Phi_i * R_n$  (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Round
8
8
4.5
4.5
36
0.5
4
5.57
2.97
<b>41.1%</b>
<b>53.3%</b>

### Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in):	0.4
$\Phi_i * M_{n_{xx}}$ (kip-in):	16.2
$M_{u_{yy}}$ (kip-in):	6.2
$\Phi_i * M_{n_{yy}}$ (kip-in):	16.2

# Mount Desktop – Post Modification Inspection (PMI) Report Requirements

## Documents & Photos Required from Contractor – Mount Modification

---

**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 modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

### **Base Requirements:**

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide “as built drawings” showing contractor’s name, preparer’s signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing 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.vzwsmart.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 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 modifications. Each entire sector must be in one photo to show in the inter-connection of members.
    - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
  - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
  - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
  - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
  - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
  - Photos showing the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.

**Material Certification:**

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting Connecticut .
  - If the drawings are as specified on the drawings
    - The contractor should provide the packing list or the materials utilized to perform the mount modification
  - If an equivalent is utilized
    - It is required that the MASER CONSULTING CONNECTICUT certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

The Material utilized was as specified on the MASER CONSULTING CONNECTICUT Mount Modification Drawings and included in the Material certification folder is a packing list or invoice for these materials

The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting Connecticut certification, invoices, or specifications validating accepted status

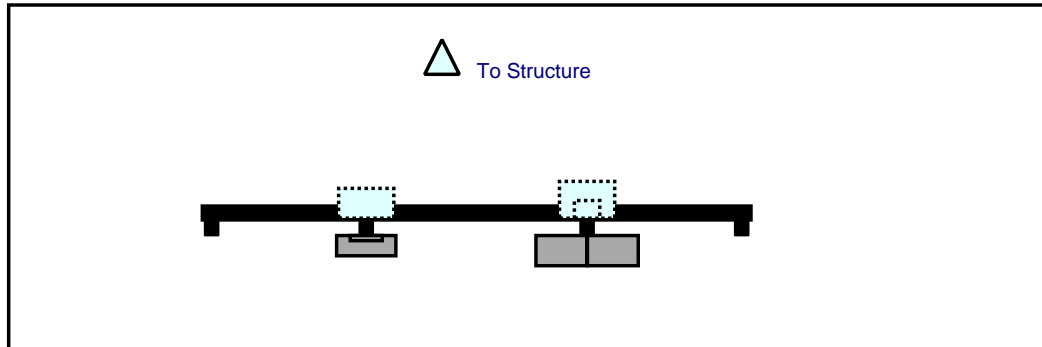
Certifying Individual: Company \_\_\_\_\_



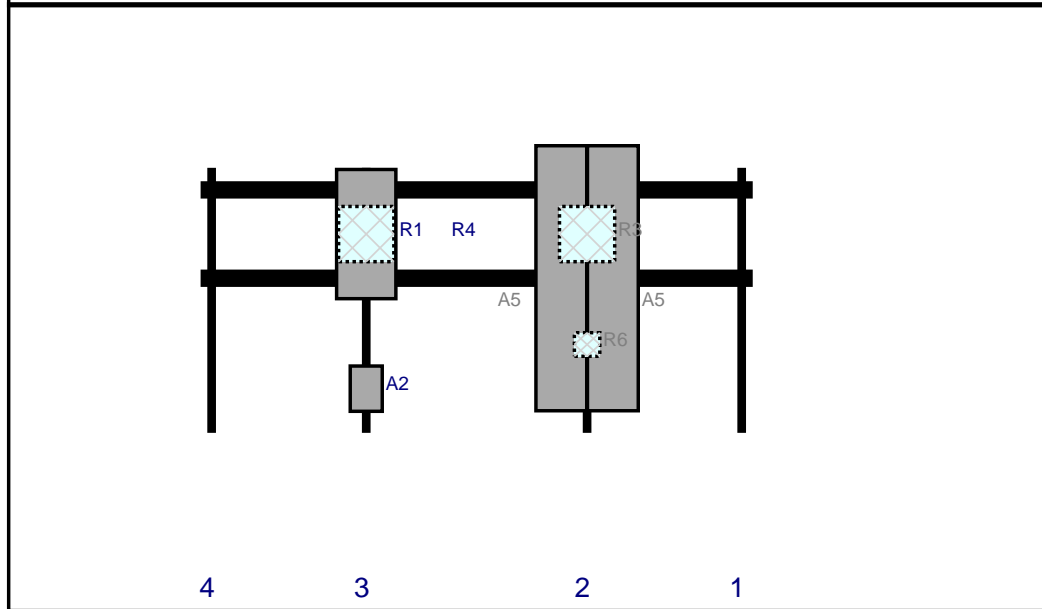
## Schedule A – Photo & Document File Structure

- 📁 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

Plan View

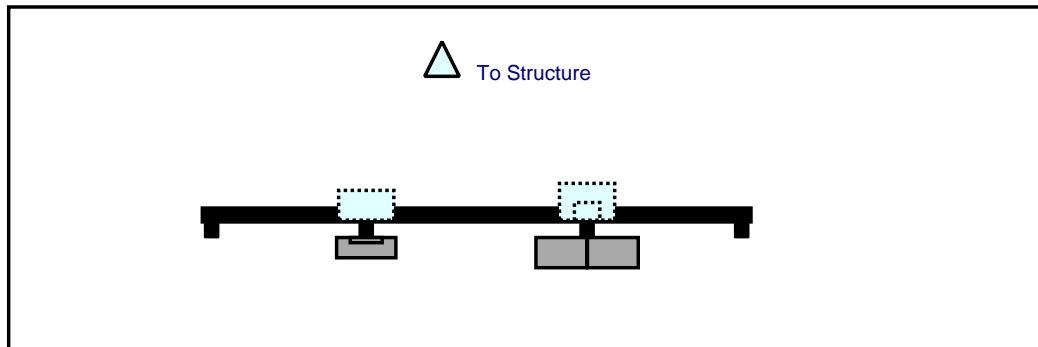


Front View  
Looking at Structure

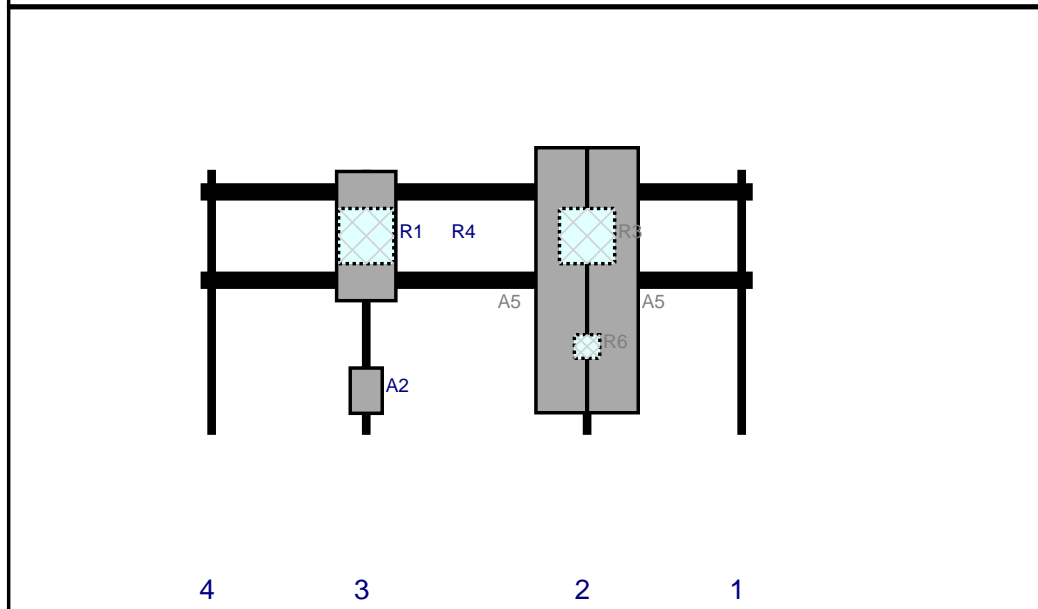


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	JAHH-65B-R3B	72	13.8	105	2	a	Front	30	7	Retained	
A5	JAHH-65B-R3B	72	13.8	105	2	b	Front	30	-7	Retained	
R3	B2/B66A RRH-BR049	15	15	105	2	a	Behind	18	0	Added	
R6	CBC78T-DS-43-2X	6.4	6.9	105	2	a	Behind	48	0	Retained	
A2	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	45	3	a	Front	60	0	Added	
R1	MT6407-77A	35.1	16.1	45	3	a	Front	18	0	Added	
R4	B5/B13 RRH-BR04C	15	15	45	3	a	Behind	18	0	Added	

Plan View

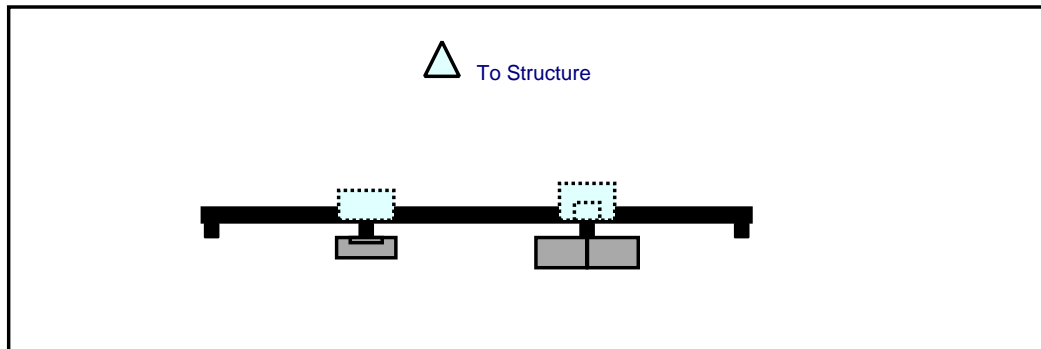


Front View  
Looking at Structure

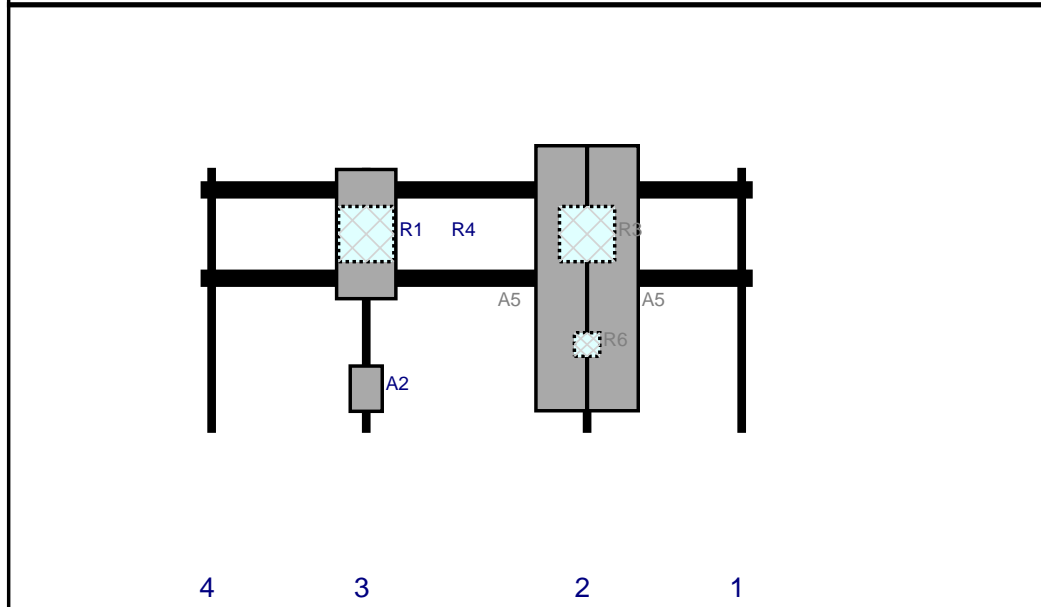


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
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A5	JAHH-65B-R3B	72	13.8	105	2	b	Front	30	-7	Retained	
R3	B2/B66A RRH-BR049	15	15	105	2	a	Behind	18	0	Added	
R6	CBC78T-DS-43-2X	6.4	6.9	105	2	a	Behind	48	0	Retained	
A2	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	45	3	a	Front	60	0	Added	
R1	MT6407-77A	35.1	16.1	45	3	a	Front	18	0	Added	
R4	B5/B13 RRH-BR04C	15	15	45	3	a	Behind	18	0	Added	

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
A5	JAHH-65B-R3B	72	13.8	105	2	a	Front	30	7	Retained	
A5	JAHH-65B-R3B	72	13.8	105	2	b	Front	30	-7	Retained	
R3	B2/B66A RRH-BR049	15	15	105	2	a	Behind	18	0	Added	
R6	CBC78T-DS-43-2X	6.4	6.9	105	2	a	Behind	48	0	Retained	
A2	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	45	3	a	Front	60	0	Added	
R1	MT6407-77A	35.1	16.1	45	3	a	Front	18	0	Added	
R4	B5/B13 RRH-BR04C	15	15	45	3	a	Behind	18	0	Added	



# Maser Consulting Connecticut

**Subject**

TIA-222-H Usage

**Site Information**

*Site ID:* 467278-VZW / HARTFORD S 3 CT  
*Site Name:* HARTFORD S 3 CT  
*Carrier Name:* Verizon Wireless  
*Address:* 289H Mountain St  
Hartford, Connecticut 06106  
Hartford County  
*Latitude:* 41.726583°  
*Longitude:* -72.708167°

**Structure Information**

*Tower Type:* 110-Ft Monopole  
*Mount Type:* 12.50-Ft Platform

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. 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 site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,



Derek Hartzell, PE  
Technical Specialist