



STATE OF CONNECTICUT  
*CONNECTICUT SITING COUNCIL*

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

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**VIA ELECTRONIC MAIL**

June 23, 2023

Kenneth C. Baldwin, Esq.  
Robinson + Cole  
280 Trumbull Street  
Hartford, CT 06103-3597  
[kbaldwin@rc.com](mailto:kbaldwin@rc.com)

RE: **EM-VER-155-230608**– Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 14-20 Isham Road, West Hartford, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) is in receipt of your correspondence of June 22, 2023 submitted in response to the Council's June 22, 2023 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,

Melanie A. Bachman  
Executive Director

MAB/ANM/dll

**From:** Mayo, Rachel <rmayo@RC.com>

**Sent:** Thursday, June 22, 2023 6:48 PM

**To:** Bachman, Melanie <Melanie.Bachman@ct.gov>; CSC-DL Siting Council <Siting.Council@ct.gov>

**Cc:** Baldwin, Kenneth <KBALDWIN@RC.com>; Mayo, Rachel <rmayo@RC.com>

**Subject:** FW: Council Incomplete Letter: EM-VER-155-230608 – 14-20 Isham Road, West Hartford

Melanie, in response to the council's incomplete letter, received today, I have attached the 4/27/23 SA and 3/16/23 MA.

Please let us know if you have any questions or need additional information.

Thank you

**Rachel A. Mayo**  
Senior Land Use Analyst

Robinson & Cole LLP  
280 Trumbull Street  
Hartford, CT 06103  
Direct 860.275.8213 | Fax 860.275.8299  
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Maser Consulting Connecticut  
 1055 Washington Boulevard  
 Stamford, CT 06901  
 203.324.0800  
 peter.albano@colliersengineering.com

## New/Replacement Antenna Mount Analysis Report and PMI Requirements

Mount Analysis-R

SMART Tool Project #: 10135430  
 Maser Consulting Connecticut Project #: 21777247A

March 16, 2022

### Site Information

Site ID: 535840-VZW/WEST HARTFORD CENTER CT  
 Site Name: WEST HARTFORD CENTER CT  
 Carrier Name: Verizon Wireless  
 Address: 14-20 Isham Road  
 West Hartford, Connecticut 06107  
 Hartford County  
 Latitude: 41.761556°  
 Longitude: -72.740375°

### Structure Information

Tower Type: 125-Ft Guyed  
 Mount Type: 13.00-Ft Sector Frame

FUZE ID # 16273383

### Analysis Results

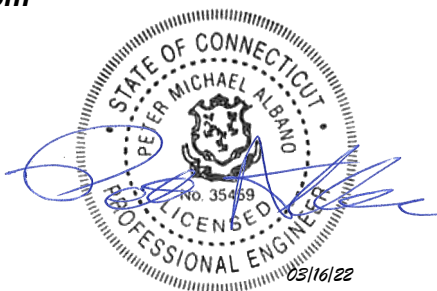
Sector Frame: **42.0% Pass w/ Mount Replacement\***  
 ((3) Site Pro 1 P/N: VFA12-HD)

**\*Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

### \*\*\*Contractor PMI Requirements:

**Included at the end of this MA report  
 Available & Submitted via portal at <https://pmi.vzwsmart.com>  
 For additional questions and support, please reach out to:  
[pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)**

Report Prepared By: Abigail Enriquez



**Executive Summary:**

The objective of this report is to determine the capacity of the proposed antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. The proposed mount was assumed to be installed properly to the existing tower per the manufacturer’s instructions. Maser Consulting Connecticut cannot verify that the proposed mount will fit properly and is not liable for any fit-up issues during installation.

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: 325091, dated February 14, 2022</i>
<i>Direction Email</i>	<i>Verizon Wireless, dated March 10, 2022</i>

**Analysis Criteria:**

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), $V_{ULT}$ : 117 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.50 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, $K_e$ : 0.996
Seismic Parameters:	$S_s$ : 0.19 g $S_1$ : 0.06 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, $L_v$ : 250 lbs. Maintenance Live Load, $L_m$ : 500 lbs.
Analysis Software:	RISA-3D (V17)

**Final Loading Configuration:**

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
102.00	105.5	3	Samsung	MT6407-77A	Added
	104.00	6	Andrew	SBNHH-1D65B	Retained
		1	Antel	BXA-80063/4	
		2	Swedcom	SLCP 2x6014	
		3	Samsung	B5/B13 RRH-BR04C*	
		3	Samsung	B2/B66A RRH-BR049	
	1	Raycap	RVZDC-6627-PF-48*	Added	
	102.00	3	Samsung		XXDWMM-12.5-65-8T-CBRS

\* Equipment is to be flush mounted directly to the Guyed tower. They are not mounted on sector mounts and are not included in this mount analysis.

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.

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.
3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

**Analysis Results:**

Component	Utilization %	Pass/Fail
<i>Tieback</i>	6.6%	<i>Pass</i>
<i>Standoff Vertical</i>	10.1%	<i>Pass</i>
<i>Antenna Pipe</i>	42.0%	<i>Pass</i>
<i>Standoff Diagonal</i>	7.3%	<i>Pass</i>
<i>Standoff Plate</i>	37.7%	<i>Pass</i>
<i>Standoff Horizontal</i>	23.1%	<i>Pass</i>
<i>Horizontal mount pipe</i>	37.8%	<i>Pass</i>
<i>Connection Check</i>	10.4%	<i>Pass</i>

<b>Structure Rating – (Controlling Utilization of all Components)</b>	<b>42.0%</b>
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**Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:**

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	10.6	4.9	17.5	11.7
0.5	16.7	9.0	26.4	18.7
1	22.3	12.6	34.9	25.2

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 1 sector(s).
- Ka factors included in (EPA)a calculations

## **Requirements:**

The proposed antenna mounts are **SUFFICIENT** for the final loading configuration (attachment 2) upon completion of the mount replacement (attachment 3) and requirements below.

Contractor shall remove existing mount and associated hardware. Contractor shall wire brush clean all damaged tower members and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote).

Contractor shall install new mount such that mount centerline is 2'-0" below 104'-0" desired antenna centerline.

Mount centerline shall be considered as the midpoint between the face horizontals for sector frames.

Contractor shall install the proposed mount such that mount azimuth matches the desired equipment azimuths listed in the referenced RFDS.

Contractor shall install new (4)96" long P2 STD mount pipes for each sector. Mount pipes shall be equally spaced at 4'-0" on center while maintaining 3" edge distance from the ends of the face horizontals. The top of pipes shall extend 43" above the top face horizontal. Attach using provided kit crossover plates.

Contractor shall attach tieback to the top/bottom face horizontal member, at 39" from the left/right end (as seen from behind the mount). Connect the other end to the adjacent tower leg. Proposed tieback shall extend no more than 12" beyond the tower leg. Contractor shall trim as required and protect cut end with two (2) coats of cold galvanization (Zinga or Zinc Kote).

Contractor shall inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

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. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Manufacturer Drawings
4. Existing Mount Photos
5. Analysis Calculations

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

## Documents & Photos Required from Contractor – **New Mount Passing MA**

Electronic pdf version of this can be downloaded at <https://pmi.vzwsmart.com>

For additional questions and support, please reach out to [pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)

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PSLC #: 535840

SMART Project #: 10135430

Fuze Project ID: 16273383

**Purpose** – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

### **Base Requirements:**

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide “as built mount drawings” showing contractor’s name, contact information, preparer’s signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped.
- Photos should be high resolution.
- 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. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: <https://pmi.vzwsmart.com>

### **Photo Requirements:**

- Photos taken at ground level
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- Photos taken at Mount Elevation
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation of mounts. Each entire sector shall be in one photo to show the interconnection of members.



- These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.
- Photos of each installed mount; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the installed mount elevation.

**Antenna & Equipment Placement and Geometry Confirmation:**

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.
    - The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.
- OR
- The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

**Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:**

**Issue:**

Contractor shall remove existing mount and associated hardware. Contractor shall wire brush clean all damaged tower members and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote).

Contractor shall install new mount such that mount centerline is 2'-0" below 104'-0" desired antenna centerline.

Mount centerline shall be considered as the midpoint between the face horizontals for sector frames.

Contractor shall install the proposed mount such that mount azimuth matches the desired equipment azimuths listed in the referenced RFDS.

Contractor shall install new (4)96" long P2 STD mount pipes for each sector. Mount pipes shall be equally spaced at 4'-0" on center while maintaining 3" edge distance from the ends of the face horizontals. The top of pipes shall extend 43" above the top face horizontal. Attach using provided kit crossover plates.

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Contractor shall inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote).

Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

**Response:**

**Special Instruction Confirmation:**

The contractor has read and acknowledges the above special instructions.

**Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:**

Yes       No

**Contractor certifies no new damage created during the current installation:**

Yes       No

**Contractor to certify the condition of the safety climb and verify no damage when leaving the site:**

Safety Climb in Good Condition       Safety Climb Damaged

**Comments:**

**New Mount Certification:**

- The contractor certifies that the New Mount installed is as specified in the Passing Mount Analysis.
- The contractor notes that the New Mount installed is not as specified and engineering approval was received for the New Mount installed.

**Certifying Individual:**

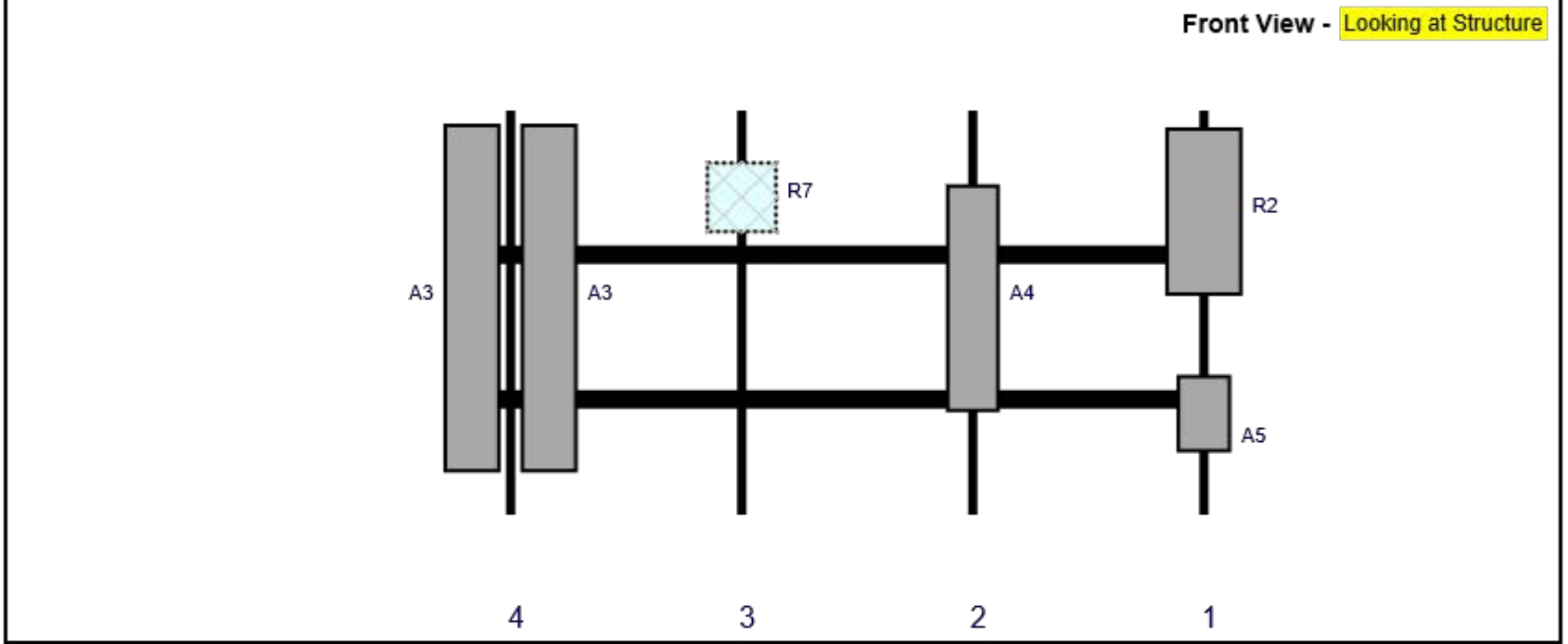
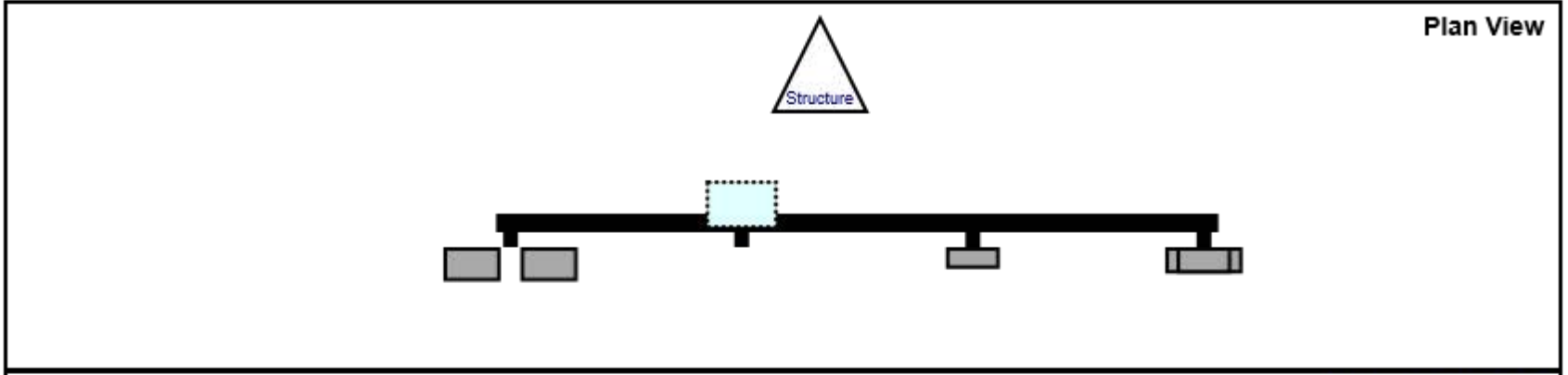
Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Sector: **A**  
 Structure Type: Guyed  
 Mount Elev: 102.00

10135430

3/14/2022

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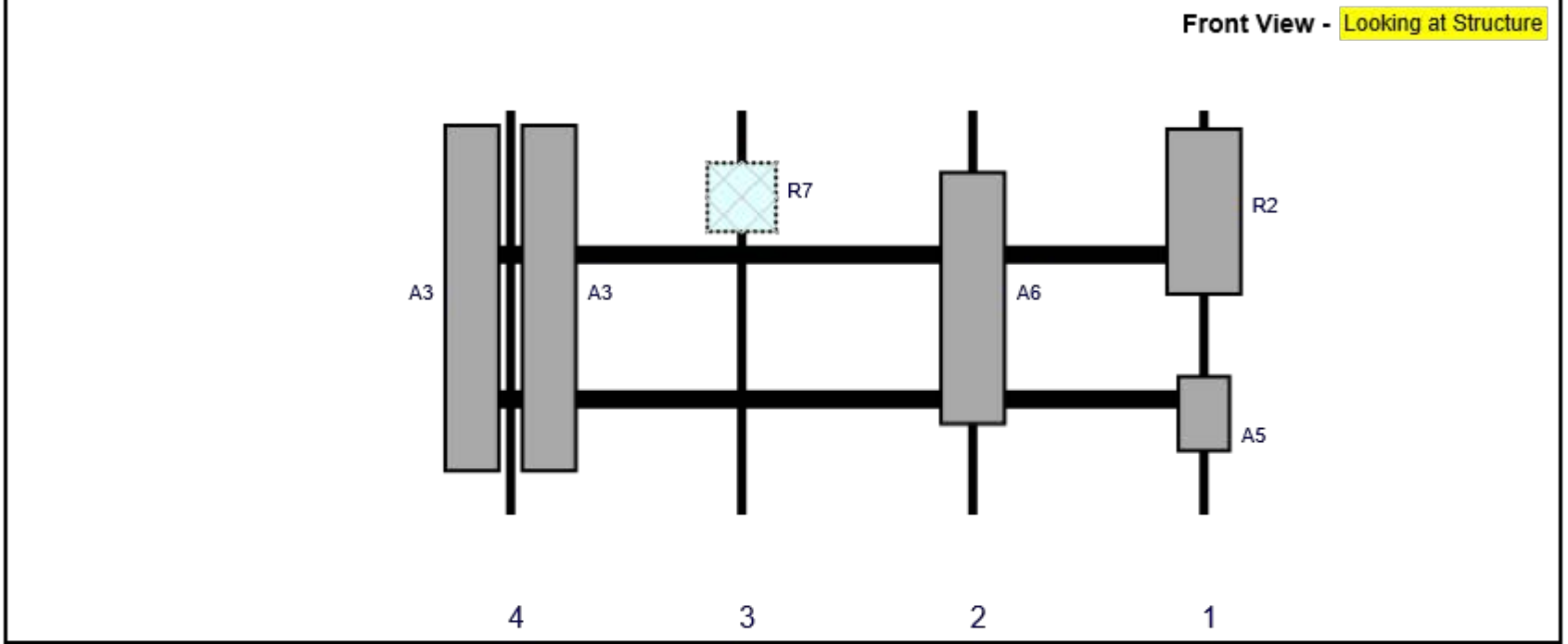
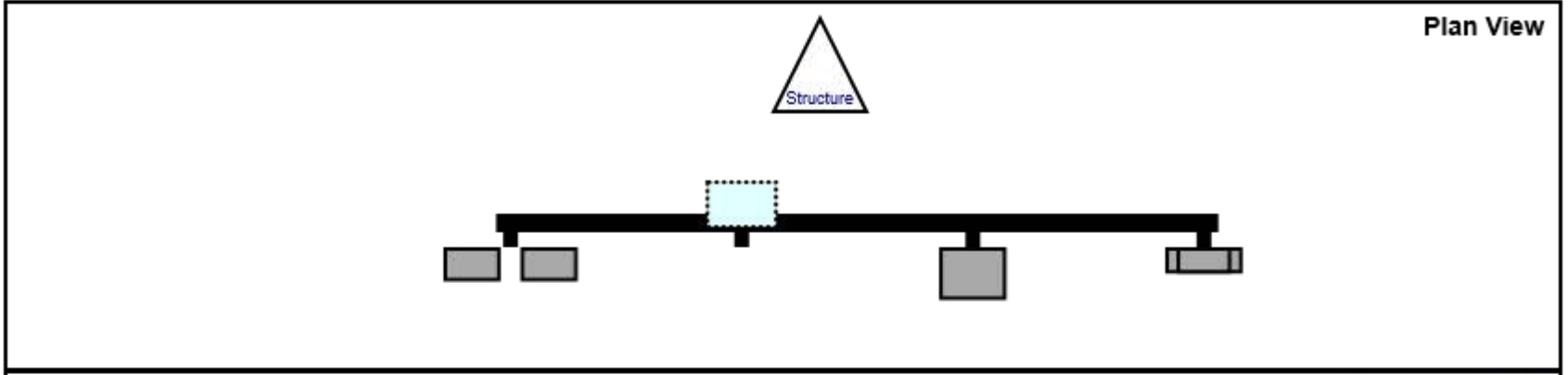
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A5	XXDWMM-12.5-65-8T-CBRS	16.2	11.4	147	1	a	Front	63	0	Added	
R2	MT6407-77A	35.1	16.1	147	1	a	Front	21	0	Added	
A4	BXA-80063/4	47.4	11.2	99	2	a	Front	39	0	Retained	
R7	B2/B66A RRH-BR049	15	15	51	3	b	Behind	18	0	Retained	04/05/2021
A3	SBNHH-1D65B	72.6	11.9	3	4	a	Front	39	8	Retained	04/05/2021
A3	SBNHH-1D65B	72.6	11.9	3	4	b	Front	39	-8	Retained	04/05/2021

Sector: **B**  
 Structure Type: Guyed  
 Mount Elev: 102.00

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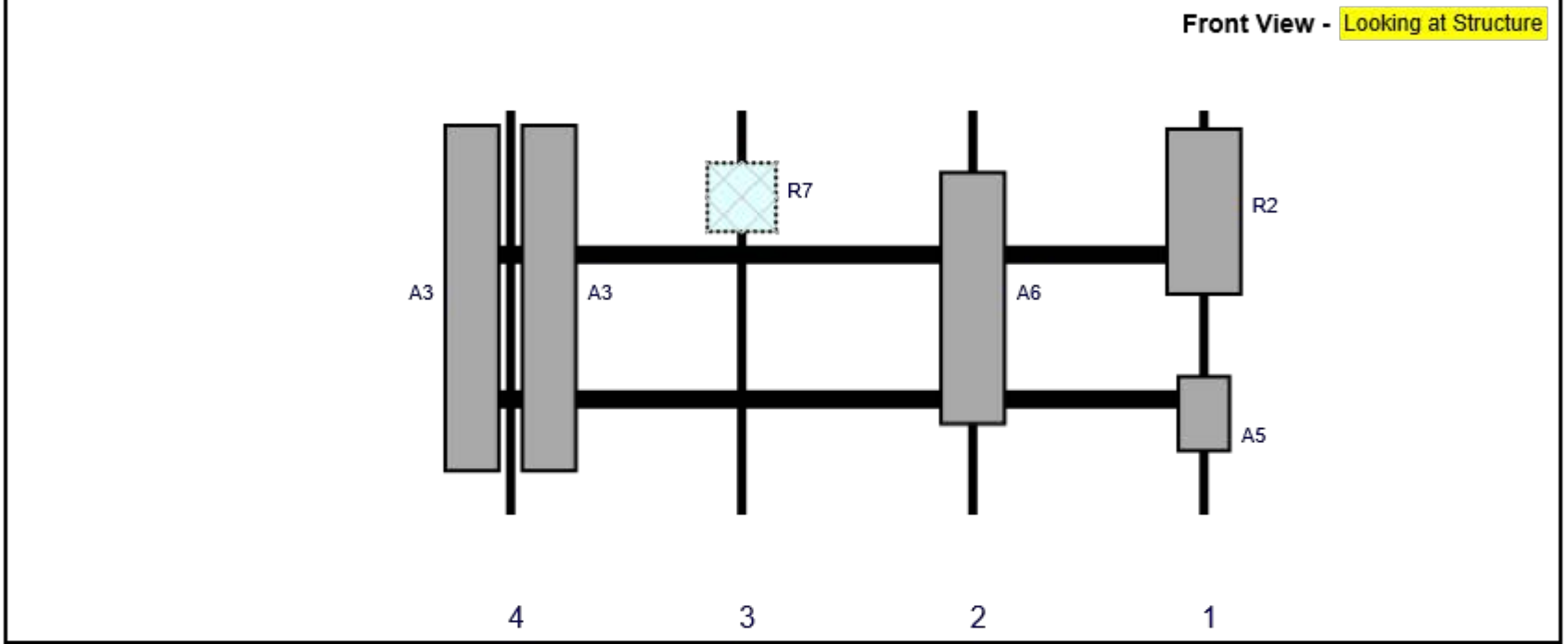
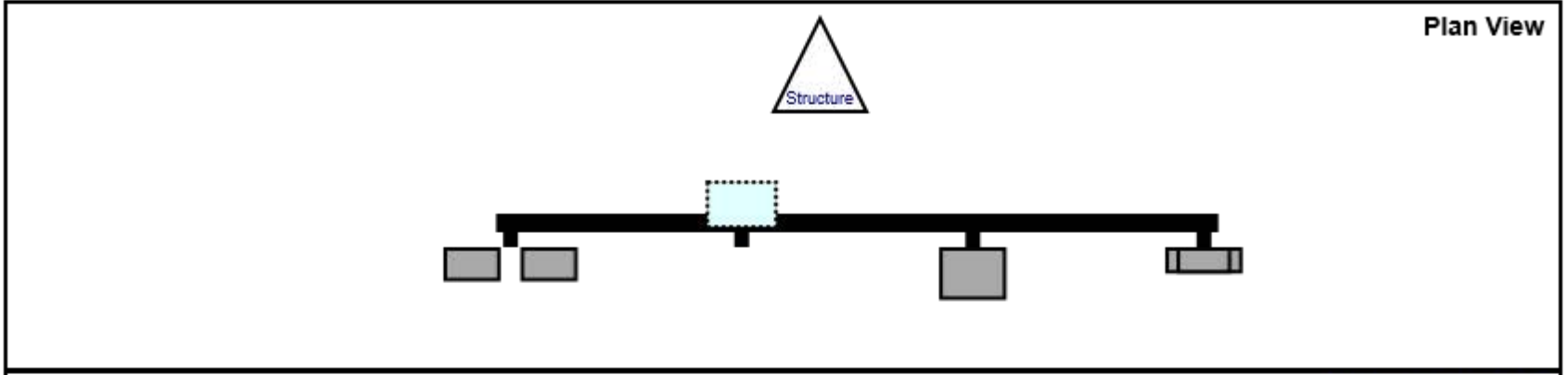
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A6	SLCP 2x6014	53	14	99	2	a	Front	39	0	Retained	
R7	B2/B66A RRH-BR049	15	15	51	3	b	Behind	18	0	Retained	04/05/2021
A3	SBNHH-1D65B	72.6	11.9	3	4	a	Front	39	8	Retained	04/05/2021
A3	SBNHH-1D65B	72.6	11.9	3	4	b	Front	39	-8	Retained	04/05/2021

Sector: **C**  
 Structure Type: Guyed  
 Mount Elev: 102.00

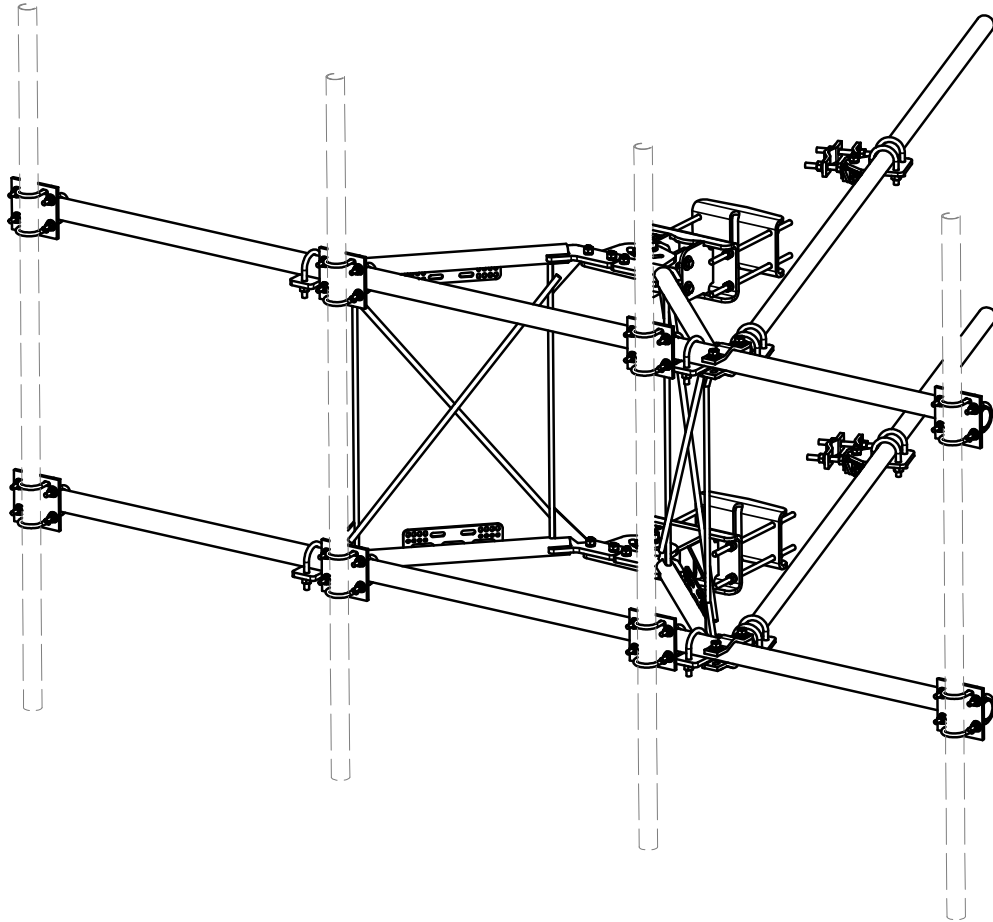
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Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
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R2	MT6407-77A	35.1	16.1	147	1	a	Front	21	0	Added	
A6	SLCP 2x6014	53	14	99	2	a	Front	39	0	Retained	
R7	B2/B66A RRH-BR049	15	15	51	3	b	Behind	18	0	Retained	04/05/2021
A3	SBNHH-1D65B	72.6	11.9	3	4	a	Front	39	8	Retained	04/05/2021
A3	SBNHH-1D65B	72.6	11.9	3	4	b	Front	39	-8	Retained	04/05/2021



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	X-VFAW	SUPPORT ARM		71.41	142.81
2	1	X-HDCAMTBW	CLAMP WELDMENT FOR BCAM-HD		33.86	33.86
3	1	X-MHTPHD	MULTI-HOLE TAPER PLATE WELDMENT		36.24	36.24
4	2	X-VFAPL4	VFA-HD PIVOT PLATE	12 in	15.88	31.77
5	2	X-LCBP4	BENT BACKING PLATE	13 in	19.00	38.01
6	1	X-HDCAMSS	ANGLE ADJUSTMENT WELDMENT FOR BCAM-HD		16.39	16.39
7	4	X-SPTB	SLIDING PIPE TIE BACK PLATE	5 1/2 in	5.87	23.49
8	1	X-HDCAMSP	POSITIONING PLATE WELDMENT FOR BCAM-HD		2.58	2.58
9	4	X-TBCA	TIE BACK CLIP ANGLE		2.01	8.02
10	8	SCX2	CROSSOVER PLATE	7 in	4.80	38.37
11	4	MCP	CLAMP HALF 1/2" THICK, 11-5/8" LONG	12 1/16 in	3.59	14.37
12	8	DCP	1/2" THICK, 5-3/4" CTR TO CENTER CLAMP HALF	8 1/8 in	2.36	18.90
13	2	P2126	2-3/8" X 126" (2" SCH. 40) GALVANIZED PIPE	126 in	40.75	81.50
14	2	P30150	2-7/8" X 150" (2-1/2" SCH. 40) GALVANIZED PIPE	150 in	76.94	153.87
15	4	A34212	3/4" x 2-1/2" UNC HEX BOLT (A325)	2 1/2 in	0.48	1.92
16	4	G34FW	3/4" HDG USS FLATWASHER		0.06	0.24
17	4	G34LW	3/4" HDG LOCKWASHER		0.04	0.17
18	4	G34NUT	3/4" HDG HEAVY 2H HEX NUT		0.21	0.85
19	8	G58R-18	5/8" x 18" THREADED ROD (HDG.)	18 in	0.40	3.19
20	4	G58R-12	5/8" x 12" THREADED ROD (HDG.)		1.05	4.18
21	4	G58R-8	5/8" x 8" THREADED ROD (HDG.)		0.70	2.79
22	4	X-UB5300	5/8" X 3" X 5-1/4" X 2-1/2" U-BOLT (HDG.)		1.15	4.60
23	8	X-UB5258	5/8" X 2-5/8" X 4-1/2" X 2" U-BOLT (HDG.)		1.00	8.00
24	2	G5807	5/8" x 7" HDG HEX BOLT GR5 FULL THREAD	7 in	0.70	1.41
25	1	G5806	5/8" x 6" HDG HEX BOLT GR5 FULL THREAD	6 in	0.62	0.62
26	8	G5804	5/8" x 4" HDG HEX BOLT GR5		0.44	3.55
27	4	G5802	5/8" x 2" HDG HEX BOLT GR5		0.27	1.08
28	8	A582114	5/8" x 2-1/4" HDG A325 HEX BOLT	2 1/4 in	0.31	2.50
29	25	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	1.76
30	66	G58LW	5/8" HDG LOCKWASHER		0.03	1.72
31	71	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	9.22
32	32	X-UB1300	1/2" X 3" X 5" X 2" GALV U-BOLT		0.74	23.64
33	16	X-UB1212	1/2" X 2" X 3" X 1-1/4" U-BOLT (HDG.)		0.60	9.56
34	64	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	2.18
35	64	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.89
36	64	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	4.58
					TOTAL WT. #	738.06

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
D	UPDATED BCAM VERSION 1 TO BCAM VERSION 2		CEK	6/29/2018
C	UPDATED PIN LEG CONNECTION TO B-CAM CONNECTION		CEK	12/7/2017
B	CHANGED TIE-BACK BACK CONNECTION		CEK	7/31/2017
A	CHANGED TIE-BACK FRONT CONNECTION		CEK	2/2/2017

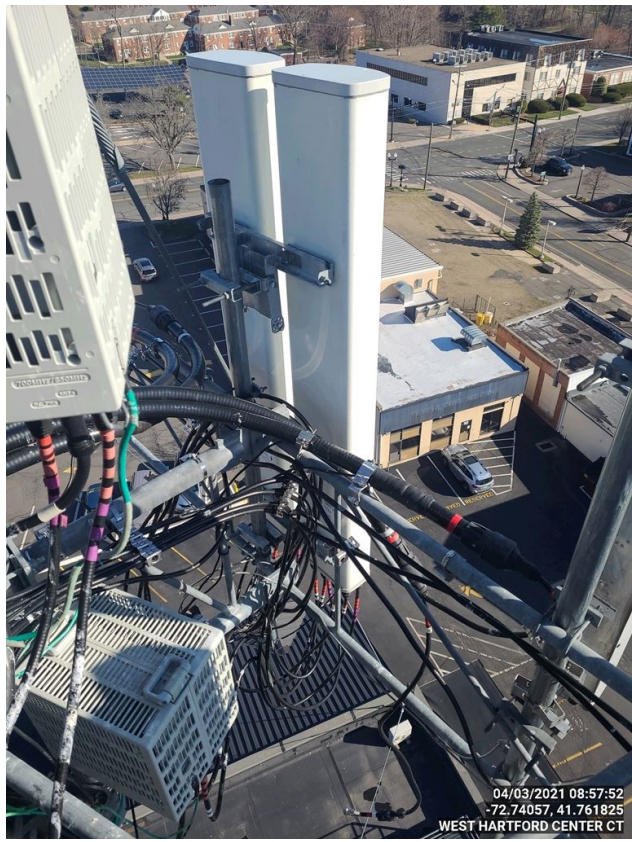
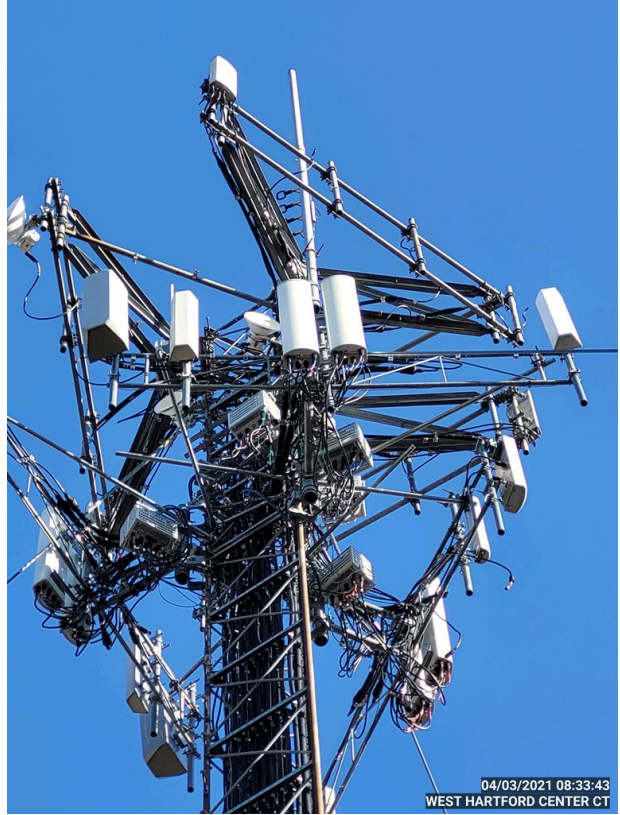
**TOLERANCE NOTES**  
**TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
 SAWED, SHEARED AND GAS CUT EDGES ( $\pm 0.030"$ )  
 DRILLED AND GAS CUT HOLES ( $\pm 0.030"$ ) - NO CONING OF HOLES  
 LASER CUT EDGES AND HOLES ( $\pm 0.010"$ ) - NO CONING OF HOLES  
 BENDS ARE  $\pm 1/2$  DEGREE  
 ALL OTHER MACHINING ( $\pm 0.030"$ )  
 ALL OTHER ASSEMBLY ( $\pm 0.060"$ )**

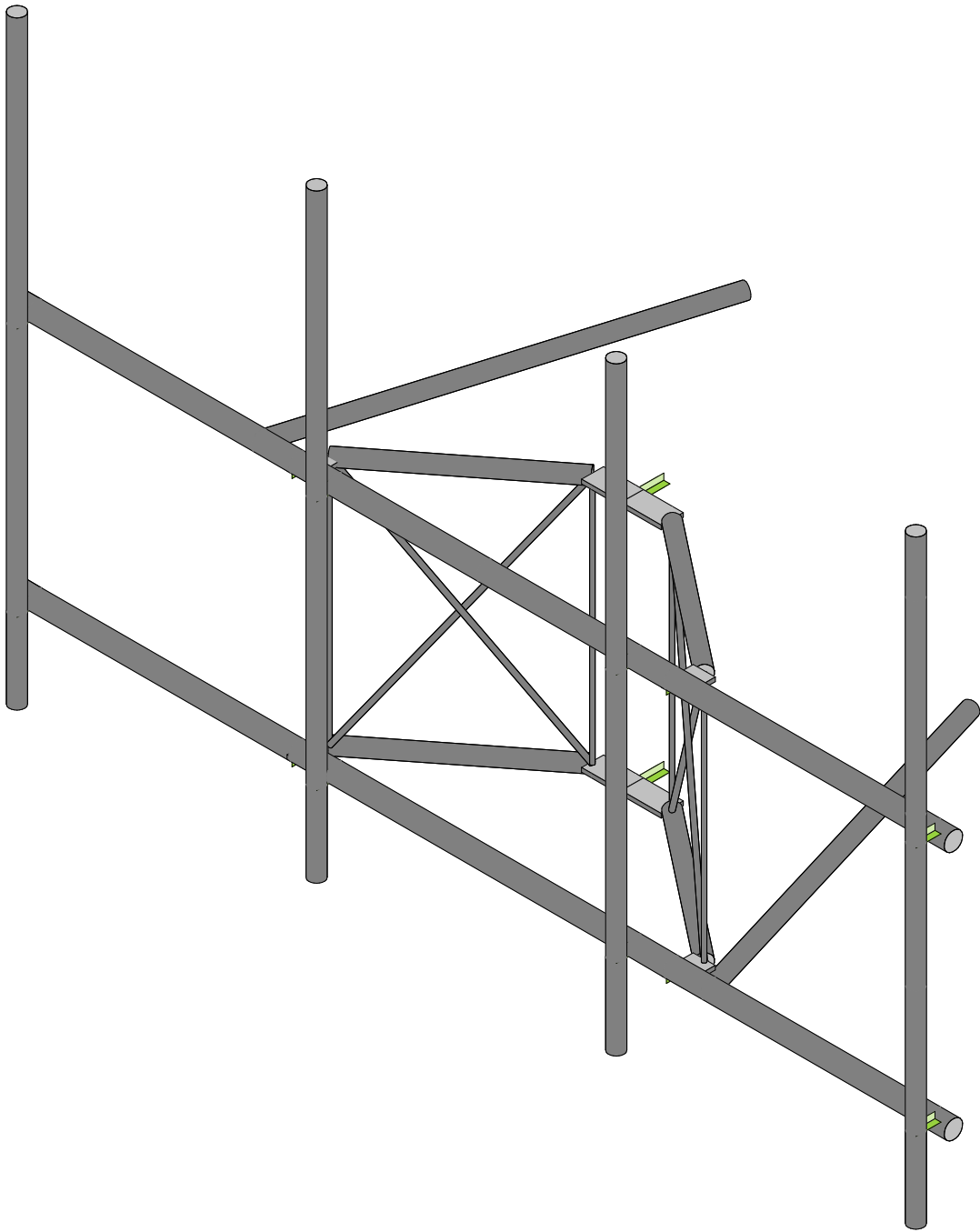
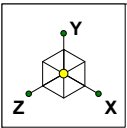
PROPRIETARY NOTE:  
 THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION		12' 6" HEAVY DUTY V-FRAME ASSEMBLY WITH TWO STIFF ARMS	
CPD NO.	DRAWN BY	ENG. APPROVAL	
	CEK 1/25/2017		
CLASS	SUB	DRAWING USAGE	CHECKED BY
81	02	CUSTOMER	BMC 12/13/2017

 <b>A valmont COMPANY</b>	Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX
	Engineering Support Team: 1-888-753-7446
PART NO.	VFA12-HD
DWG. NO.	VFA12-HD





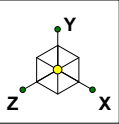



SK - 4

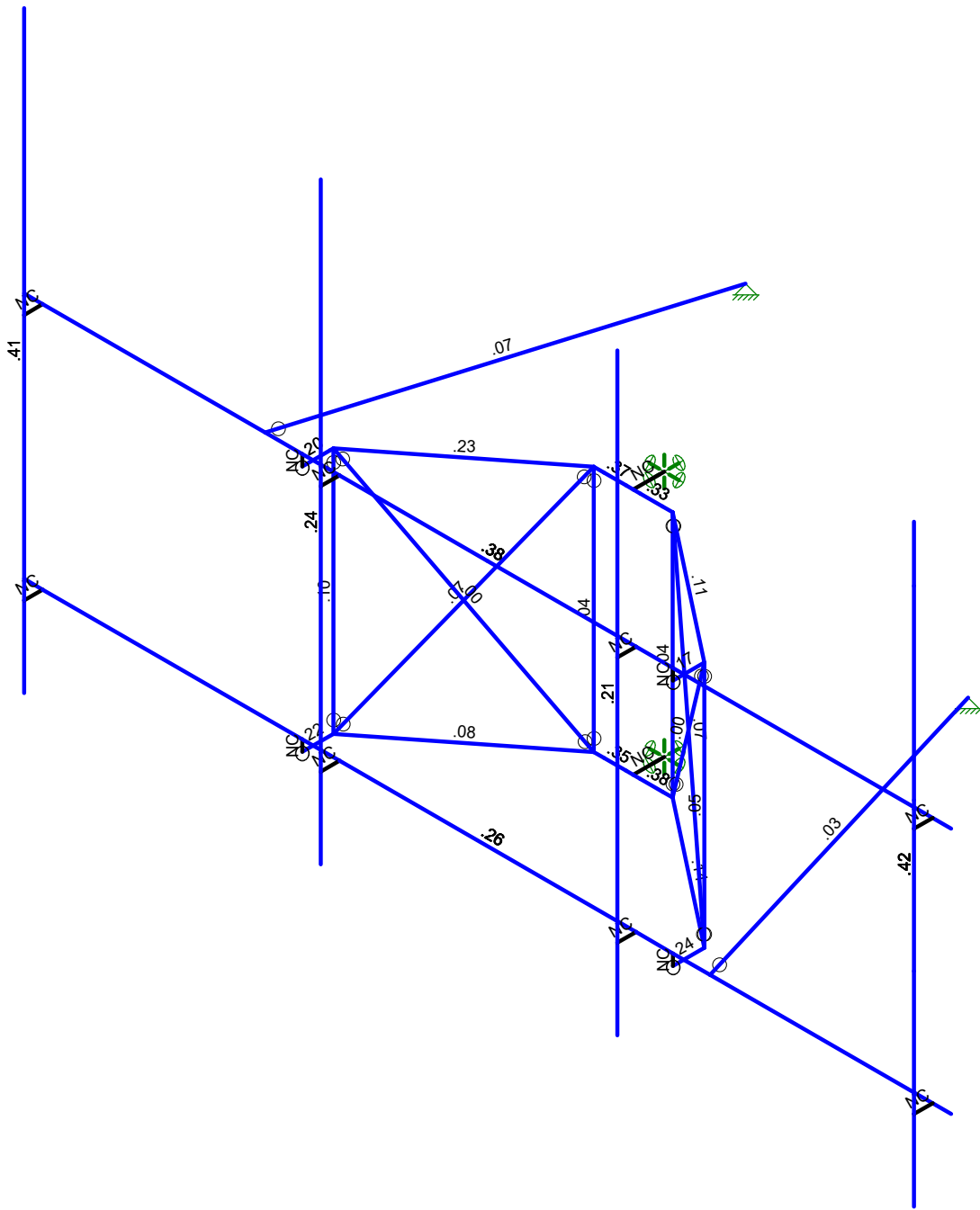
Mar 15, 2022 at 5:00 AM

535840-VZW\_MT\_LOT\_A\_H.r3d



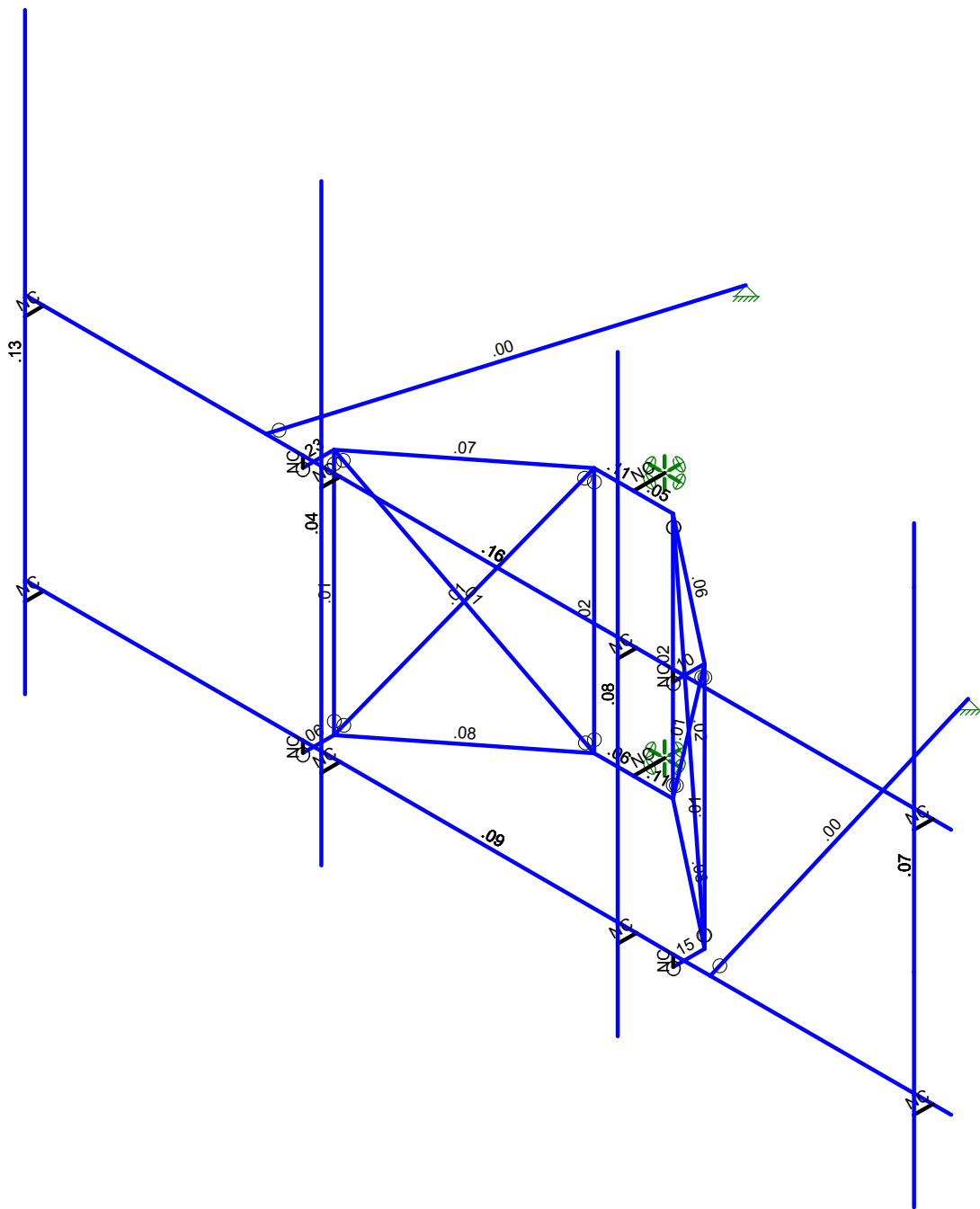
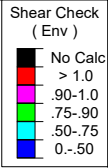
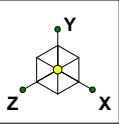


Code Check ( Env )	
Black	No Calc
Red	> 1.0
Pink	.90-1.0
Green	.75-.90
Cyan	.50-.75
Blue	0.-.50



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

		SK - 5
		Mar 15, 2022 at 5:00 AM
		535840-VZW_MT_LOT_A_H.r3d



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

		SK - 6
		Mar 15, 2022 at 5:00 AM
		535840-VZW_MT_LOT_A_H.r3d

### Basic Load Cases

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



Company :  
 Designer :  
 Job Number :  
 Model Name :

Mar 15, 2022  
 5:00 AM  
 Checked By: \_\_\_\_\_

**Basic Load Cases (Continued)**

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
57 Structure Wi (120 De...	None						56	
58 Structure Wi (150 De...	None						56	
59 Structure Wi (180 De...	None						56	
60 Structure Wi (210 De...	None						56	
61 Structure Wi (240 De...	None						56	
62 Structure Wi (270 De...	None						56	
63 Structure Wi (300 De...	None						56	
64 Structure Wi (330 De...	None						56	
65 Structure Wm (0 Deg)	None						56	
66 Structure Wm (30 De...	None						56	
67 Structure Wm (60 De...	None						56	
68 Structure Wm (90 De...	None						56	
69 Structure Wm (120 D...	None						56	
70 Structure Wm (150 D...	None						56	
71 Structure Wm (180 D...	None						56	
72 Structure Wm (210 D...	None						56	
73 Structure Wm (240 D...	None						56	
74 Structure Wm (270 D...	None						56	
75 Structure Wm (300 D...	None						56	
76 Structure Wm (330 D...	None						56	
77 Lm1	None					1		
78 Lm2	None					1		
79 Lv1	None					1		
80 Lv2	None					1		
81 Antenna Ev	None					30		
82 Antenna Eh (0 Deg)	None					20		
83 Antenna Eh (90 Deg)	None					20		
84 Structure Ev	ELY		-04					
85 Structure Eh (0 Deg)	ELZ			-1				
86 Structure Eh (90 Deg)	ELX	.1						

**Load Combinations**

Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1 1.2D+1.0Wo (0 Deg)	Yes	Y	1	1.2	39	1.2	3	1	41	1									
2 1.2D+1.0Wo (30 Deg)	Yes	Y	1	1.2	39	1.2	4	1	42	1									
3 1.2D+1.0Wo (60 Deg)	Yes	Y	1	1.2	39	1.2	5	1	43	1									
4 1.2D+1.0Wo (90 Deg)	Yes	Y	1	1.2	39	1.2	6	1	44	1									
5 1.2D+1.0Wo (120 Deg)	Yes	Y	1	1.2	39	1.2	7	1	45	1									
6 1.2D+1.0Wo (150 Deg)	Yes	Y	1	1.2	39	1.2	8	1	46	1									
7 1.2D+1.0Wo (180 Deg)	Yes	Y	1	1.2	39	1.2	9	1	47	1									
8 1.2D+1.0Wo (210 Deg)	Yes	Y	1	1.2	39	1.2	10	1	48	1									
9 1.2D+1.0Wo (240 Deg)	Yes	Y	1	1.2	39	1.2	11	1	49	1									
10 1.2D+1.0Wo (270 Deg)	Yes	Y	1	1.2	39	1.2	12	1	50	1									
11 1.2D+1.0Wo (300 Deg)	Yes	Y	1	1.2	39	1.2	13	1	51	1									
12 1.2D+1.0Wo (330 Deg)	Yes	Y	1	1.2	39	1.2	14	1	52	1									
13 1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	15	1	53	1					
14 1.2D + 1.0Di + 1.0Wi (30 De...	Yes	Y	1	1.2	39	1.2	2	1	40	1	16	1	54	1					
15 1.2D + 1.0Di + 1.0Wi (60 De...	Yes	Y	1	1.2	39	1.2	2	1	40	1	17	1	55	1					
16 1.2D + 1.0Di + 1.0Wi (90 De...	Yes	Y	1	1.2	39	1.2	2	1	40	1	18	1	56	1					
17 1.2D + 1.0Di + 1.0Wi (120 D...	Yes	Y	1	1.2	39	1.2	2	1	40	1	19	1	57	1					
18 1.2D + 1.0Di + 1.0Wi (150 D...	Yes	Y	1	1.2	39	1.2	2	1	40	1	20	1	58	1					
19 1.2D + 1.0Di + 1.0Wi (180 D...	Yes	Y	1	1.2	39	1.2	2	1	40	1	21	1	59	1					
20 1.2D + 1.0Di + 1.0Wi (210 D...	Yes	Y	1	1.2	39	1.2	2	1	40	1	22	1	60	1					
21 1.2D + 1.0Di + 1.0Wi (240 D...	Yes	Y	1	1.2	39	1.2	2	1	40	1	23	1	61	1					
22 1.2D + 1.0Di + 1.0Wi (270 D...	Yes	Y	1	1.2	39	1.2	2	1	40	1	24	1	62	1					



Company :  
 Designer :  
 Job Number :  
 Model Name :

Mar 15, 2022  
 5:00 AM  
 Checked By: \_\_\_\_\_

**Load Combinations (Continued)**

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...
23	1.2D + 1.0Di + 1.0Wi (300 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1							
24	1.2D + 1.0Di + 1.0Wi (330 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1							
25	1.2D + 1.5Lm1 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1									
26	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1									
27	1.2D + 1.5Lm1 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1									
28	1.2D + 1.5Lm1 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1									
29	1.2D + 1.5Lm1 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1									
30	1.2D + 1.5Lm1 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1									
31	1.2D + 1.5Lm1 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1									
32	1.2D + 1.5Lm1 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1									
33	1.2D + 1.5Lm1 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1									
34	1.2D + 1.5Lm1 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1									
35	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1									
36	1.2D + 1.5Lm1 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1									
37	1.2D + 1.5Lm2 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1									
38	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1									
39	1.2D + 1.5Lm2 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1									
40	1.2D + 1.5Lm2 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1									
41	1.2D + 1.5Lm2 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1									
42	1.2D + 1.5Lm2 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1									
43	1.2D + 1.5Lm2 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1									
44	1.2D + 1.5Lm2 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1									
45	1.2D + 1.5Lm2 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1									
46	1.2D + 1.5Lm2 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1									
47	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1									
48	1.2D + 1.5Lm2 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1									
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5													
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5													
51	1.4D	Yes	Y		1	1.4	39	1.4															
52	1.2D + 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		E...	1	E...				
53	1.2D + 1.0Ev + 1.0Eh (30 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	E...	.866	E...	.5			
54	1.2D + 1.0Ev + 1.0Eh (60 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	E...	.5	E...	.866			
55	1.2D + 1.0Ev + 1.0Eh (90 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	E...		E...	1			
56	1.2D + 1.0Ev + 1.0Eh (120 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	E...	-.5	E...	.866			
57	1.2D + 1.0Ev + 1.0Eh (150 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	E...	-.8...	E...	.5			
58	1.2D + 1.0Ev + 1.0Eh (180 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		E...	-1	E...				
59	1.2D + 1.0Ev + 1.0Eh (210 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	E...	-.8...	E...	-.5			
60	1.2D + 1.0Ev + 1.0Eh (240 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	E...	-.5	E...	-.8...			
61	1.2D + 1.0Ev + 1.0Eh (270 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	E...		E...	-1			
62	1.2D + 1.0Ev + 1.0Eh (300 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	E...	.5	E...	-.8...			
63	1.2D + 1.0Ev + 1.0Eh (330 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	E...	.866	E...	-.5			
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		E...	1	E...				
65	0.9D - 1.0Ev + 1.0Eh (30 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	E...	.866	E...	.5			
66	0.9D - 1.0Ev + 1.0Eh (60 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	E...	.5	E...	.866			
67	0.9D - 1.0Ev + 1.0Eh (90 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	E...		E...	1			
68	0.9D - 1.0Ev + 1.0Eh (120 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	E...	-.5	E...	.866			
69	0.9D - 1.0Ev + 1.0Eh (150 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	E...	-.8...	E...	.5			
70	0.9D - 1.0Ev + 1.0Eh (180 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		E...	-1	E...				
71	0.9D - 1.0Ev + 1.0Eh (210 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	E...	-.8...	E...	-.5			
72	0.9D - 1.0Ev + 1.0Eh (240 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...			
73	0.9D - 1.0Ev + 1.0Eh (270 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	E...		E...	-1			
74	0.9D - 1.0Ev + 1.0Eh (300 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	E...	.5	E...	-.8...			
75	0.9D - 1.0Ev + 1.0Eh (330 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	E...	.866	E...	-.5			



Company :  
 Designer :  
 Job Number :  
 Model Name :

Mar 15, 2022  
 5:00 AM  
 Checked By: \_\_\_\_\_

**Joint Coordinates and Temperatures**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	3.416667	0.145833	8.083333	0	
2	N2	-9.083333	0.145833	8.083333	0	
3	N3	3.416667	3.479167	8.083333	0	
4	N4	-9.083333	3.479167	8.083333	0	
5	N5	-8.833333	0.145833	8.083333	0	
6	N6	-8.833333	3.479167	8.083333	0	
7	N7	-4.833333	0.145833	8.083333	0	
8	N8	-4.833333	3.479167	8.083333	0	
9	N9	-0.833333	0.145833	8.083333	0	
10	N10	-0.833333	3.479167	8.083333	0	
11	N11	3.166667	0.145833	8.083333	0	
12	N12	3.166667	3.479167	8.083333	0	
13	N13	-8.833333	0.145833	8.333333	0	
14	N14	-8.833333	3.479167	8.333333	0	
15	N15	-4.833333	0.145833	8.333333	0	
16	N16	-4.833333	3.479167	8.333333	0	
17	N17	-0.833333	0.145833	8.333333	0	
18	N18	-0.833333	3.479167	8.333333	0	
19	N19	3.166667	0.145833	8.333333	0	
20	N20	3.166667	3.479167	8.333333	0	
21	N21	-5.333333	0	8.083333	0	
22	N22	-5.333333	3.333333	8.083333	0	
23	N23	-0.333333	0	8.083333	0	
24	N24	-0.333333	3.333333	8.083333	0	
25	N25	-5.333333	0	7.661458	0	
26	N26	-5.333333	3.333333	7.661458	0	
27	N27	-0.333333	0	7.661458	0	
28	N28	-0.333333	3.333333	7.661458	0	
29	N29	-2.833333	0	6.119792	0	
30	N30	-2.833333	3.333333	6.119792	0	
31	N31	-3.364583	0	6.119792	0	
32	N32	-3.364583	3.333333	6.119792	0	
33	N33	-2.302083	0	6.119792	0	
34	N34	-2.302083	3.333333	6.119792	0	
35	N35	-2.833333	0	5.703125	0	
36	N36	-2.833333	3.333333	5.703125	0	
37	N39	-8.833333	7.0625	8.333333	0	
38	N40	-4.833333	7.0625	8.333333	0	
39	N41	-0.833333	7.0625	8.333333	0	
40	N42	3.166667	7.0625	8.333333	0	
41	N43	-8.833333	-0.9375	8.333333	0	
42	N44	-4.833333	-0.9375	8.333333	0	
43	N45	-0.833333	-0.9375	8.333333	0	
44	N46	3.166667	-0.9375	8.333333	0	
45	N58	-5.333333	3.333333	7.708333	0	
46	N76	-2.927083	0	6.119792	0	
47	N77	-3.229167	0	6.119792	0	
48	N78	-2.739583	0	6.119792	0	
49	N79	-2.4375	0	6.119792	0	
50	N80	-2.927083	3.333333	6.119792	0	
51	N81	-3.229167	3.333333	6.119792	0	
52	N82	-2.739583	3.333333	6.119792	0	
53	N83	-2.4375	3.333333	6.119792	0	
54	N58A	-2.833333	3.479167	8.083333	0	
55	N59	-5.333333	0.145833	8.083333	0	
56	N60	-5.333333	3.479167	8.083333	0	



Company :  
 Designer :  
 Job Number :  
 Model Name :

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### Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N61	-0.333333	0.145833	8.083333	0	
58	N62	-0.333333	3.479167	8.083333	0	
59	N59A	-5.833333	3.479167	8.083333	0	
60	N60A	0.166667	0.145833	8.083333	0	
61	N63	-4.333333	3.479167	3.105049	0	
62	N64	-1.333333	0.145833	3.105049	0	
63	MCL	3.166667	1.8125	8.333333	0	
64	ACL	3.166667	3.8125	8.333333	0	
65	N65	3.166667	6.3125	8.333333	0	

### Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Horizontal mount pipe	PIPE 2.5	Beam	Pipe	Q235	Typical	1.61	1.45	1.45	2.89
3	Standoff Horizontal	PIPE 2.0	Beam	Pipe	Q235	Typical	1.02	.627	.627	1.25
4	Standoff Diagonal	SR 0.75	Beam	BAR	Q235	Typical	.442	.016	.016	.031
5	Tieback	PIPE 2.0	Beam	Pipe	Q235	Typical	1.02	.627	.627	1.25
6	Standoff Vertical	SR 0.625	Beam	BAR	Q235	Typical	.307	.007	.007	.015
7	Standoff Plate	PL5/8X3.5	Beam	BAR	Q235	Typical	2.188	.071	2.233	.253
8	tower pipe	PIPE 3.0	Column	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69

### Hot Rolled Steel Properties

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

### Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N1			Horizontal mou...	Beam	Pipe	Q235	Typical
2	M2	N4	N3			Horizontal mou...	Beam	Pipe	Q235	Typical
3	M3	N5	N13			RIGID	None	None	RIGID	Typical
4	M4	N6	N14			RIGID	None	None	RIGID	Typical
5	M5	N8	N16			RIGID	None	None	RIGID	Typical
6	M6	N7	N15			RIGID	None	None	RIGID	Typical
7	M9	N10	N18			RIGID	None	None	RIGID	Typical
8	M10	N9	N17			RIGID	None	None	RIGID	Typical
9	M11	N12	N20			RIGID	None	None	RIGID	Typical
10	M12	N11	N19			RIGID	None	None	RIGID	Typical
11	M13	N22	N26		90	Standoff Plate	Beam	BAR	Q235	Typical
12	M14	N21	N25		90	Standoff Plate	Beam	BAR	Q235	Typical
13	M15	N23	N27		90	Standoff Plate	Beam	BAR	Q235	Typical
14	M16	N24	N28		90	Standoff Plate	Beam	BAR	Q235	Typical
15	M17	N26	N32			Standoff Horiz...	Beam	Pipe	Q235	Typical
16	M18	N25	N31			Standoff Horiz...	Beam	Pipe	Q235	Typical
17	M19	N27	N33			Standoff Horiz...	Beam	Pipe	Q235	Typical
18	M20	N28	N34			Standoff Horiz...	Beam	Pipe	Q235	Typical
19	M21	N32	N30		90	Standoff Plate	Beam	BAR	Q235	Typical



**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
20	M22	N34	N30		90	Standoff Plate	Beam	BAR	Q235	Typical
21	M23	N31	N29		90	Standoff Plate	Beam	BAR	Q235	Typical
22	M24	N33	N29		90	Standoff Plate	Beam	BAR	Q235	Typical
23	M25	N31	N26			Standoff Diago...	Beam	BAR	Q235	Typical
24	M26	N32	N25			Standoff Diago...	Beam	BAR	Q235	Typical
25	M27	N33	N28			Standoff Diago...	Beam	BAR	Q235	Typical
26	M28	N27	N34			Standoff Diago...	Beam	BAR	Q235	Typical
27	M29	N29	N35			RIGID	None	None	RIGID	Typical
28	M30	N30	N36			RIGID	None	None	RIGID	Typical
29	MP4A	N39	N43			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
30	MP3A	N40	N44			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
31	MP2A	N41	N45			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
32	MP1A	N42	N46			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
33	M44	N25	N26			Standoff Vertical	Beam	BAR	Q235	Typical
34	M45	N31	N32			Standoff Vertical	Beam	BAR	Q235	Typical
35	M46	N33	N34			Standoff Vertical	Beam	BAR	Q235	Typical
36	M47	N27	N28			Standoff Vertical	Beam	BAR	Q235	Typical
37	M47B	N22	N60			RIGID	None	None	RIGID	Typical
38	M48A	N21	N59			RIGID	None	None	RIGID	Typical
39	M49A	N24	N62			RIGID	None	None	RIGID	Typical
40	M50A	N23	N61			RIGID	None	None	RIGID	Typical
41	M51A	N30	N36			RIGID	None	None	RIGID	Typical
42	M52A	N29	N35			RIGID	None	None	RIGID	Typical
43	M43	N59A	N63			Tieback	Beam	Pipe	Q235	Typical
44	M44A	N60A	N64			Tieback	Beam	Pipe	Q235	Typical

**Hot Rolled Steel Design Parameters**

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Horizontal ...	12.5			Lbyy						Lateral
2	M2	Horizontal ...	12.5			Lbyy						Lateral
3	M13	Standoff Pla...	.422									Lateral
4	M14	Standoff Pla...	.422									Lateral
5	M15	Standoff Pla...	.422									Lateral
6	M16	Standoff Pla...	.422									Lateral
7	M17	Standoff Ho...	2.501			Lbyy			.65	.65		Lateral
8	M18	Standoff Ho...	2.501			Lbyy			.65	.65		Lateral
9	M19	Standoff Ho...	2.501			Lbyy			.65	.65		Lateral
10	M20	Standoff Ho...	2.501			Lbyy			.65	.65		Lateral
11	M21	Standoff Pla...	.531	.292								Lateral
12	M22	Standoff Pla...	.531	.292								Lateral
13	M23	Standoff Pla...	.531	.292								Lateral
14	M24	Standoff Pla...	.531	.292								Lateral
15	M25	Standoff Di...	4.167			Lbyy			.7	.7		Lateral
16	M26	Standoff Di...	4.167			Lbyy			.7	.7		Lateral
17	M27	Standoff Di...	4.167			Lbyy			.7	.7		Lateral
18	M28	Standoff Di...	4.167			Lbyy			.7	.7		Lateral
19	MP4A	Antenna Pipe	8			Lbyy						Lateral
20	MP3A	Antenna Pipe	8			Lbyy						Lateral
21	MP2A	Antenna Pipe	8			Lbyy						Lateral
22	MP1A	Antenna Pipe	8			Lbyy						Lateral
23	M44	Standoff Ve...	3.333			Lbyy			.7	.7		Lateral
24	M45	Standoff Ve...	3.333			Lbyy			.7	.7		Lateral
25	M46	Standoff Ve...	3.333			Lbyy			.7	.7		Lateral
26	M47	Standoff Ve...	3.333			Lbyy			.7	.7		Lateral
27	M43	Tieback	5.199			Lbyy						Lateral



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

	Label	Shape	Length[ft]	Lby[ft]	Lbz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
28	M44A	Tieback	5.199			Lbyy						Lateral

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	.75
2	MP1A	My	-.022	.75
3	MP1A	Mz	0	.75
4	MP1A	Y	-43.55	2.75
5	MP1A	My	-.022	2.75
6	MP1A	Mz	0	2.75
7	MP4A	Y	-20	.75
8	MP4A	My	-.013	.75
9	MP4A	Mz	.013	.75
10	MP4A	Y	-20	5.75
11	MP4A	My	-.013	5.75
12	MP4A	Mz	.013	5.75
13	MP4A	Y	-20	.75
14	MP4A	My	-.013	.75
15	MP4A	Mz	-.013	.75
16	MP4A	Y	-20	5.75
17	MP4A	My	-.013	5.75
18	MP4A	Mz	-.013	5.75
19	MP2A	Y	-4.95	1
20	MP2A	My	-.002	1
21	MP2A	Mz	0	1
22	MP2A	Y	-4.95	5.5
23	MP2A	My	-.002	5.5
24	MP2A	Mz	0	5.5
25	MP1A	Y	-23.2	5.25
26	MP1A	My	-.012	5.25
27	MP1A	Mz	0	5.25
28	MP3A	Y	-84.4	1.5
29	MP3A	My	.042	1.5
30	MP3A	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	Y	-54.536	.75
2	MP1A	My	-.027	.75
3	MP1A	Mz	0	.75
4	MP1A	Y	-54.536	2.75
5	MP1A	My	-.027	2.75
6	MP1A	Mz	0	2.75
7	MP4A	Y	-93.132	.75
8	MP4A	My	-.062	.75
9	MP4A	Mz	.062	.75
10	MP4A	Y	-93.132	5.75
11	MP4A	My	-.062	5.75
12	MP4A	Mz	.062	5.75
13	MP4A	Y	-93.132	.75
14	MP4A	My	-.062	.75
15	MP4A	Mz	-.062	.75
16	MP4A	Y	-93.132	5.75
17	MP4A	My	-.062	5.75
18	MP4A	Mz	-.062	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
19	MP2A	Y	-52.618	1
20	MP2A	My	-.026	1
21	MP2A	Mz	0	1
22	MP2A	Y	-52.618	5.5
23	MP2A	My	-.026	5.5
24	MP2A	Mz	0	5.5
25	MP1A	Y	-46.766	5.25
26	MP1A	My	-.023	5.25
27	MP1A	Mz	0	5.25
28	MP3A	Y	-69.265	1.5
29	MP3A	My	.035	1.5
30	MP3A	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	0	.75
2	MP1A	Z	-58.141	.75
3	MP1A	Mx	0	.75
4	MP1A	X	0	2.75
5	MP1A	Z	-58.141	2.75
6	MP1A	Mx	0	2.75
7	MP4A	X	0	.75
8	MP4A	Z	-121.028	.75
9	MP4A	Mx	-.081	.75
10	MP4A	X	0	5.75
11	MP4A	Z	-121.028	5.75
12	MP4A	Mx	-.081	5.75
13	MP4A	X	0	.75
14	MP4A	Z	-121.028	.75
15	MP4A	Mx	.081	.75
16	MP4A	X	0	5.75
17	MP4A	Z	-121.028	5.75
18	MP4A	Mx	.081	5.75
19	MP2A	X	0	1
20	MP2A	Z	-70.006	1
21	MP2A	Mx	0	1
22	MP2A	X	0	5.5
23	MP2A	Z	-70.006	5.5
24	MP2A	Mx	0	5.5
25	MP1A	X	0	5.25
26	MP1A	Z	-45.385	5.25
27	MP1A	Mx	0	5.25
28	MP3A	X	0	1.5
29	MP3A	Z	-45.979	1.5
30	MP3A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	24.306	.75
2	MP1A	Z	-42.099	.75
3	MP1A	Mx	-.012	.75
4	MP1A	X	24.306	2.75
5	MP1A	Z	-42.099	2.75
6	MP1A	Mx	-.012	2.75
7	MP4A	X	55.39	.75
8	MP4A	Z	-95.938	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
9	MP4A	Mx	-.101	.75
10	MP4A	X	55.39	5.75
11	MP4A	Z	-95.938	5.75
12	MP4A	Mx	-.101	5.75
13	MP4A	X	55.39	.75
14	MP4A	Z	-95.938	.75
15	MP4A	Mx	.027	.75
16	MP4A	X	55.39	5.75
17	MP4A	Z	-95.938	5.75
18	MP4A	Mx	.027	5.75
19	MP2A	X	30.42	1
20	MP2A	Z	-52.69	1
21	MP2A	Mx	-.015	1
22	MP2A	X	30.42	5.5
23	MP2A	Z	-52.69	5.5
24	MP2A	Mx	-.015	5.5
25	MP1A	X	19.818	5.25
26	MP1A	Z	-34.326	5.25
27	MP1A	Mx	-.01	5.25
28	MP3A	X	21.098	1.5
29	MP3A	Z	-36.543	1.5
30	MP3A	Mx	.011	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	25.593	.75
2	MP1A	Z	-14.776	.75
3	MP1A	Mx	-.013	.75
4	MP1A	X	25.593	2.75
5	MP1A	Z	-14.776	2.75
6	MP1A	Mx	-.013	2.75
7	MP4A	X	78.188	.75
8	MP4A	Z	-45.142	.75
9	MP4A	Mx	-.082	.75
10	MP4A	X	78.188	5.75
11	MP4A	Z	-45.142	5.75
12	MP4A	Mx	-.082	5.75
13	MP4A	X	78.188	.75
14	MP4A	Z	-45.142	.75
15	MP4A	Mx	-.022	.75
16	MP4A	X	78.188	5.75
17	MP4A	Z	-45.142	5.75
18	MP4A	Mx	-.022	5.75
19	MP2A	X	36.815	1
20	MP2A	Z	-21.255	1
21	MP2A	Mx	-.018	1
22	MP2A	X	36.815	5.5
23	MP2A	Z	-21.255	5.5
24	MP2A	Mx	-.018	5.5
25	MP1A	X	24.368	5.25
26	MP1A	Z	-14.069	5.25
27	MP1A	Mx	-.012	5.25
28	MP3A	X	29.992	1.5
29	MP3A	Z	-17.316	1.5
30	MP3A	Mx	.015	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP1A	X	20.023	.75
2	MP1A	Z	0	.75
3	MP1A	Mx	-.01	.75
4	MP1A	X	20.023	2.75
5	MP1A	Z	0	2.75
6	MP1A	Mx	-.01	2.75
7	MP4A	X	80.036	.75
8	MP4A	Z	0	.75
9	MP4A	Mx	-.053	.75
10	MP4A	X	80.036	5.75
11	MP4A	Z	0	5.75
12	MP4A	Mx	-.053	5.75
13	MP4A	X	80.036	.75
14	MP4A	Z	0	.75
15	MP4A	Mx	-.053	.75
16	MP4A	X	80.036	5.75
17	MP4A	Z	0	5.75
18	MP4A	Mx	-.053	5.75
19	MP2A	X	33.345	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.017	1
22	MP2A	X	33.345	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.017	5.5
25	MP1A	X	22.389	5.25
26	MP1A	Z	0	5.25
27	MP1A	Mx	-.011	5.25
28	MP3A	X	30.85	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	.015	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP1A	X	25.593	.75
2	MP1A	Z	14.776	.75
3	MP1A	Mx	-.013	.75
4	MP1A	X	25.593	2.75
5	MP1A	Z	14.776	2.75
6	MP1A	Mx	-.013	2.75
7	MP4A	X	78.188	.75
8	MP4A	Z	45.142	.75
9	MP4A	Mx	-.022	.75
10	MP4A	X	78.188	5.75
11	MP4A	Z	45.142	5.75
12	MP4A	Mx	-.022	5.75
13	MP4A	X	78.188	.75
14	MP4A	Z	45.142	.75
15	MP4A	Mx	-.082	.75
16	MP4A	X	78.188	5.75
17	MP4A	Z	45.142	5.75
18	MP4A	Mx	-.082	5.75
19	MP2A	X	36.815	1
20	MP2A	Z	21.255	1
21	MP2A	Mx	-.018	1
22	MP2A	X	36.815	5.5
23	MP2A	Z	21.255	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
24	MP2A	Mx	-.018	5.5
25	MP1A	X	24.368	5.25
26	MP1A	Z	14.069	5.25
27	MP1A	Mx	-.012	5.25
28	MP3A	X	29.992	1.5
29	MP3A	Z	17.316	1.5
30	MP3A	Mx	.015	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	24.306	.75
2	MP1A	Z	42.099	.75
3	MP1A	Mx	-.012	.75
4	MP1A	X	24.306	2.75
5	MP1A	Z	42.099	2.75
6	MP1A	Mx	-.012	2.75
7	MP4A	X	55.39	.75
8	MP4A	Z	95.938	.75
9	MP4A	Mx	.027	.75
10	MP4A	X	55.39	5.75
11	MP4A	Z	95.938	5.75
12	MP4A	Mx	.027	5.75
13	MP4A	X	55.39	.75
14	MP4A	Z	95.938	.75
15	MP4A	Mx	-.101	.75
16	MP4A	X	55.39	5.75
17	MP4A	Z	95.938	5.75
18	MP4A	Mx	-.101	5.75
19	MP2A	X	30.42	1
20	MP2A	Z	52.69	1
21	MP2A	Mx	-.015	1
22	MP2A	X	30.42	5.5
23	MP2A	Z	52.69	5.5
24	MP2A	Mx	-.015	5.5
25	MP1A	X	19.818	5.25
26	MP1A	Z	34.326	5.25
27	MP1A	Mx	-.01	5.25
28	MP3A	X	21.098	1.5
29	MP3A	Z	36.543	1.5
30	MP3A	Mx	.011	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	.75
2	MP1A	Z	58.141	.75
3	MP1A	Mx	0	.75
4	MP1A	X	0	2.75
5	MP1A	Z	58.141	2.75
6	MP1A	Mx	0	2.75
7	MP4A	X	0	.75
8	MP4A	Z	121.028	.75
9	MP4A	Mx	.081	.75
10	MP4A	X	0	5.75
11	MP4A	Z	121.028	5.75
12	MP4A	Mx	.081	5.75
13	MP4A	X	0	.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
14	MP4A	Z	121.028	.75
15	MP4A	Mx	-.081	.75
16	MP4A	X	0	5.75
17	MP4A	Z	121.028	5.75
18	MP4A	Mx	-.081	5.75
19	MP2A	X	0	1
20	MP2A	Z	70.006	1
21	MP2A	Mx	0	1
22	MP2A	X	0	5.5
23	MP2A	Z	70.006	5.5
24	MP2A	Mx	0	5.5
25	MP1A	X	0	5.25
26	MP1A	Z	45.385	5.25
27	MP1A	Mx	0	5.25
28	MP3A	X	0	1.5
29	MP3A	Z	45.979	1.5
30	MP3A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-24.306	.75
2	MP1A	Z	42.099	.75
3	MP1A	Mx	.012	.75
4	MP1A	X	-24.306	2.75
5	MP1A	Z	42.099	2.75
6	MP1A	Mx	.012	2.75
7	MP4A	X	-55.39	.75
8	MP4A	Z	95.938	.75
9	MP4A	Mx	.101	.75
10	MP4A	X	-55.39	5.75
11	MP4A	Z	95.938	5.75
12	MP4A	Mx	.101	5.75
13	MP4A	X	-55.39	.75
14	MP4A	Z	95.938	.75
15	MP4A	Mx	-.027	.75
16	MP4A	X	-55.39	5.75
17	MP4A	Z	95.938	5.75
18	MP4A	Mx	-.027	5.75
19	MP2A	X	-30.42	1
20	MP2A	Z	52.69	1
21	MP2A	Mx	.015	1
22	MP2A	X	-30.42	5.5
23	MP2A	Z	52.69	5.5
24	MP2A	Mx	.015	5.5
25	MP1A	X	-19.818	5.25
26	MP1A	Z	34.326	5.25
27	MP1A	Mx	.01	5.25
28	MP3A	X	-21.098	1.5
29	MP3A	Z	36.543	1.5
30	MP3A	Mx	-.011	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-25.593	.75
2	MP1A	Z	14.776	.75
3	MP1A	Mx	.013	.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
4	MP1A	X	-25.593	2.75
5	MP1A	Z	14.776	2.75
6	MP1A	Mx	.013	2.75
7	MP4A	X	-78.188	.75
8	MP4A	Z	45.142	.75
9	MP4A	Mx	.082	.75
10	MP4A	X	-78.188	5.75
11	MP4A	Z	45.142	5.75
12	MP4A	Mx	.082	5.75
13	MP4A	X	-78.188	.75
14	MP4A	Z	45.142	.75
15	MP4A	Mx	.022	.75
16	MP4A	X	-78.188	5.75
17	MP4A	Z	45.142	5.75
18	MP4A	Mx	.022	5.75
19	MP2A	X	-36.815	1
20	MP2A	Z	21.255	1
21	MP2A	Mx	.018	1
22	MP2A	X	-36.815	5.5
23	MP2A	Z	21.255	5.5
24	MP2A	Mx	.018	5.5
25	MP1A	X	-24.368	5.25
26	MP1A	Z	14.069	5.25
27	MP1A	Mx	.012	5.25
28	MP3A	X	-29.992	1.5
29	MP3A	Z	17.316	1.5
30	MP3A	Mx	-.015	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-20.023	.75
2	MP1A	Z	0	.75
3	MP1A	Mx	.01	.75
4	MP1A	X	-20.023	2.75
5	MP1A	Z	0	2.75
6	MP1A	Mx	.01	2.75
7	MP4A	X	-80.036	.75
8	MP4A	Z	0	.75
9	MP4A	Mx	.053	.75
10	MP4A	X	-80.036	5.75
11	MP4A	Z	0	5.75
12	MP4A	Mx	.053	5.75
13	MP4A	X	-80.036	.75
14	MP4A	Z	0	.75
15	MP4A	Mx	.053	.75
16	MP4A	X	-80.036	5.75
17	MP4A	Z	0	5.75
18	MP4A	Mx	.053	5.75
19	MP2A	X	-33.345	1
20	MP2A	Z	0	1
21	MP2A	Mx	.017	1
22	MP2A	X	-33.345	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.017	5.5
25	MP1A	X	-22.389	5.25
26	MP1A	Z	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
27	MP1A	Mx	.011	5.25
28	MP3A	X	-30.85	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.015	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-25.593	.75
2	MP1A	Z	-14.776	.75
3	MP1A	Mx	.013	.75
4	MP1A	X	-25.593	2.75
5	MP1A	Z	-14.776	2.75
6	MP1A	Mx	.013	2.75
7	MP4A	X	-78.188	.75
8	MP4A	Z	-45.142	.75
9	MP4A	Mx	.022	.75
10	MP4A	X	-78.188	5.75
11	MP4A	Z	-45.142	5.75
12	MP4A	Mx	.022	5.75
13	MP4A	X	-78.188	.75
14	MP4A	Z	-45.142	.75
15	MP4A	Mx	.082	.75
16	MP4A	X	-78.188	5.75
17	MP4A	Z	-45.142	5.75
18	MP4A	Mx	.082	5.75
19	MP2A	X	-36.815	1
20	MP2A	Z	-21.255	1
21	MP2A	Mx	.018	1
22	MP2A	X	-36.815	5.5
23	MP2A	Z	-21.255	5.5
24	MP2A	Mx	.018	5.5
25	MP1A	X	-24.368	5.25
26	MP1A	Z	-14.069	5.25
27	MP1A	Mx	.012	5.25
28	MP3A	X	-29.992	1.5
29	MP3A	Z	-17.316	1.5
30	MP3A	Mx	-.015	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-24.306	.75
2	MP1A	Z	-42.099	.75
3	MP1A	Mx	.012	.75
4	MP1A	X	-24.306	2.75
5	MP1A	Z	-42.099	2.75
6	MP1A	Mx	.012	2.75
7	MP4A	X	-55.39	.75
8	MP4A	Z	-95.938	.75
9	MP4A	Mx	-.027	.75
10	MP4A	X	-55.39	5.75
11	MP4A	Z	-95.938	5.75
12	MP4A	Mx	-.027	5.75
13	MP4A	X	-55.39	.75
14	MP4A	Z	-95.938	.75
15	MP4A	Mx	.101	.75
16	MP4A	X	-55.39	5.75



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
17	MP4A	Z	-95.938	5.75
18	MP4A	Mx	.101	5.75
19	MP2A	X	-30.42	1
20	MP2A	Z	-52.69	1
21	MP2A	Mx	.015	1
22	MP2A	X	-30.42	5.5
23	MP2A	Z	-52.69	5.5
24	MP2A	Mx	.015	5.5
25	MP1A	X	-19.818	5.25
26	MP1A	Z	-34.326	5.25
27	MP1A	Mx	.01	5.25
28	MP3A	X	-21.098	1.5
29	MP3A	Z	-36.543	1.5
30	MP3A	Mx	-.011	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	.75
2	MP1A	Z	-15.169	.75
3	MP1A	Mx	0	.75
4	MP1A	X	0	2.75
5	MP1A	Z	-15.169	2.75
6	MP1A	Mx	0	2.75
7	MP4A	X	0	.75
8	MP4A	Z	-25.482	.75
9	MP4A	Mx	-.017	.75
10	MP4A	X	0	5.75
11	MP4A	Z	-25.482	5.75
12	MP4A	Mx	-.017	5.75
13	MP4A	X	0	.75
14	MP4A	Z	-25.482	.75
15	MP4A	Mx	.017	.75
16	MP4A	X	0	5.75
17	MP4A	Z	-25.482	5.75
18	MP4A	Mx	.017	5.75
19	MP2A	X	0	1
20	MP2A	Z	-15.247	1
21	MP2A	Mx	0	1
22	MP2A	X	0	5.5
23	MP2A	Z	-15.247	5.5
24	MP2A	Mx	0	5.5
25	MP1A	X	0	5.25
26	MP1A	Z	-11.075	5.25
27	MP1A	Mx	0	5.25
28	MP3A	X	0	1.5
29	MP3A	Z	-13.108	1.5
30	MP3A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	6.527	.75
2	MP1A	Z	-11.306	.75
3	MP1A	Mx	-.003	.75
4	MP1A	X	6.527	2.75
5	MP1A	Z	-11.306	2.75
6	MP1A	Mx	-.003	2.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
7	MP4A	X	11.792	.75
8	MP4A	Z	-20.424	.75
9	MP4A	Mx	-.021	.75
10	MP4A	X	11.792	5.75
11	MP4A	Z	-20.424	5.75
12	MP4A	Mx	-.021	5.75
13	MP4A	X	11.792	.75
14	MP4A	Z	-20.424	.75
15	MP4A	Mx	.006	.75
16	MP4A	X	11.792	5.75
17	MP4A	Z	-20.424	5.75
18	MP4A	Mx	.006	5.75
19	MP2A	X	6.752	1
20	MP2A	Z	-11.694	1
21	MP2A	Mx	-.003	1
22	MP2A	X	6.752	5.5
23	MP2A	Z	-11.694	5.5
24	MP2A	Mx	-.003	5.5
25	MP1A	X	4.933	5.25
26	MP1A	Z	-8.544	5.25
27	MP1A	Mx	-.002	5.25
28	MP3A	X	6.075	1.5
29	MP3A	Z	-10.523	1.5
30	MP3A	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	7.644	.75
2	MP1A	Z	-4.413	.75
3	MP1A	Mx	-.004	.75
4	MP1A	X	7.644	2.75
5	MP1A	Z	-4.413	2.75
6	MP1A	Mx	-.004	2.75
7	MP4A	X	17.135	.75
8	MP4A	Z	-9.893	.75
9	MP4A	Mx	-.018	.75
10	MP4A	X	17.135	5.75
11	MP4A	Z	-9.893	5.75
12	MP4A	Mx	-.018	5.75
13	MP4A	X	17.135	.75
14	MP4A	Z	-9.893	.75
15	MP4A	Mx	-.005	.75
16	MP4A	X	17.135	5.75
17	MP4A	Z	-9.893	5.75
18	MP4A	Mx	-.005	5.75
19	MP2A	X	8.674	1
20	MP2A	Z	-5.008	1
21	MP2A	Mx	-.004	1
22	MP2A	X	8.674	5.5
23	MP2A	Z	-5.008	5.5
24	MP2A	Mx	-.004	5.5
25	MP1A	X	6.45	5.25
26	MP1A	Z	-3.724	5.25
27	MP1A	Mx	-.003	5.25
28	MP3A	X	8.865	1.5
29	MP3A	Z	-5.118	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP3A	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	6.712	.75
2	MP1A	Z	0	.75
3	MP1A	Mx	-.003	.75
4	MP1A	X	6.712	2.75
5	MP1A	Z	0	2.75
6	MP1A	Mx	-.003	2.75
7	MP4A	X	17.888	.75
8	MP4A	Z	0	.75
9	MP4A	Mx	-.012	.75
10	MP4A	X	17.888	5.75
11	MP4A	Z	0	5.75
12	MP4A	Mx	-.012	5.75
13	MP4A	X	17.888	.75
14	MP4A	Z	0	.75
15	MP4A	Mx	-.012	.75
16	MP4A	X	17.888	5.75
17	MP4A	Z	0	5.75
18	MP4A	Mx	-.012	5.75
19	MP2A	X	8.271	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.004	1
22	MP2A	X	8.271	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.004	5.5
25	MP1A	X	6.239	5.25
26	MP1A	Z	0	5.25
27	MP1A	Mx	-.003	5.25
28	MP3A	X	9.28	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	.005	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	7.644	.75
2	MP1A	Z	4.413	.75
3	MP1A	Mx	-.004	.75
4	MP1A	X	7.644	2.75
5	MP1A	Z	4.413	2.75
6	MP1A	Mx	-.004	2.75
7	MP4A	X	17.135	.75
8	MP4A	Z	9.893	.75
9	MP4A	Mx	-.005	.75
10	MP4A	X	17.135	5.75
11	MP4A	Z	9.893	5.75
12	MP4A	Mx	-.005	5.75
13	MP4A	X	17.135	.75
14	MP4A	Z	9.893	.75
15	MP4A	Mx	-.018	.75
16	MP4A	X	17.135	5.75
17	MP4A	Z	9.893	5.75
18	MP4A	Mx	-.018	5.75
19	MP2A	X	8.674	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP2A	Z	5.008	1
21	MP2A	Mx	-.004	1
22	MP2A	X	8.674	5.5
23	MP2A	Z	5.008	5.5
24	MP2A	Mx	-.004	5.5
25	MP1A	X	6.45	5.25
26	MP1A	Z	3.724	5.25
27	MP1A	Mx	-.003	5.25
28	MP3A	X	8.865	1.5
29	MP3A	Z	5.118	1.5
30	MP3A	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	6.527	.75
2	MP1A	Z	11.306	.75
3	MP1A	Mx	-.003	.75
4	MP1A	X	6.527	2.75
5	MP1A	Z	11.306	2.75
6	MP1A	Mx	-.003	2.75
7	MP4A	X	11.792	.75
8	MP4A	Z	20.424	.75
9	MP4A	Mx	.006	.75
10	MP4A	X	11.792	5.75
11	MP4A	Z	20.424	5.75
12	MP4A	Mx	.006	5.75
13	MP4A	X	11.792	.75
14	MP4A	Z	20.424	.75
15	MP4A	Mx	-.021	.75
16	MP4A	X	11.792	5.75
17	MP4A	Z	20.424	5.75
18	MP4A	Mx	-.021	5.75
19	MP2A	X	6.752	1
20	MP2A	Z	11.694	1
21	MP2A	Mx	-.003	1
22	MP2A	X	6.752	5.5
23	MP2A	Z	11.694	5.5
24	MP2A	Mx	-.003	5.5
25	MP1A	X	4.933	5.25
26	MP1A	Z	8.544	5.25
27	MP1A	Mx	-.002	5.25
28	MP3A	X	6.075	1.5
29	MP3A	Z	10.523	1.5
30	MP3A	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	.75
2	MP1A	Z	15.169	.75
3	MP1A	Mx	0	.75
4	MP1A	X	0	2.75
5	MP1A	Z	15.169	2.75
6	MP1A	Mx	0	2.75
7	MP4A	X	0	.75
8	MP4A	Z	25.482	.75
9	MP4A	Mx	.017	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
10	MP4A	X	0	5.75
11	MP4A	Z	25.482	5.75
12	MP4A	Mx	.017	5.75
13	MP4A	X	0	.75
14	MP4A	Z	25.482	.75
15	MP4A	Mx	-.017	.75
16	MP4A	X	0	5.75
17	MP4A	Z	25.482	5.75
18	MP4A	Mx	-.017	5.75
19	MP2A	X	0	1
20	MP2A	Z	15.247	1
21	MP2A	Mx	0	1
22	MP2A	X	0	5.5
23	MP2A	Z	15.247	5.5
24	MP2A	Mx	0	5.5
25	MP1A	X	0	5.25
26	MP1A	Z	11.075	5.25
27	MP1A	Mx	0	5.25
28	MP3A	X	0	1.5
29	MP3A	Z	13.108	1.5
30	MP3A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-6.527	.75
2	MP1A	Z	11.306	.75
3	MP1A	Mx	.003	.75
4	MP1A	X	-6.527	2.75
5	MP1A	Z	11.306	2.75
6	MP1A	Mx	.003	2.75
7	MP4A	X	-11.792	.75
8	MP4A	Z	20.424	.75
9	MP4A	Mx	.021	.75
10	MP4A	X	-11.792	5.75
11	MP4A	Z	20.424	5.75
12	MP4A	Mx	.021	5.75
13	MP4A	X	-11.792	.75
14	MP4A	Z	20.424	.75
15	MP4A	Mx	-.006	.75
16	MP4A	X	-11.792	5.75
17	MP4A	Z	20.424	5.75
18	MP4A	Mx	-.006	5.75
19	MP2A	X	-6.752	1
20	MP2A	Z	11.694	1
21	MP2A	Mx	.003	1
22	MP2A	X	-6.752	5.5
23	MP2A	Z	11.694	5.5
24	MP2A	Mx	.003	5.5
25	MP1A	X	-4.933	5.25
26	MP1A	Z	8.544	5.25
27	MP1A	Mx	.002	5.25
28	MP3A	X	-6.075	1.5
29	MP3A	Z	10.523	1.5
30	MP3A	Mx	-.003	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-7.644	.75
2	MP1A	Z	4.413	.75
3	MP1A	Mx	.004	.75
4	MP1A	X	-7.644	2.75
5	MP1A	Z	4.413	2.75
6	MP1A	Mx	.004	2.75
7	MP4A	X	-17.135	.75
8	MP4A	Z	9.893	.75
9	MP4A	Mx	.018	.75
10	MP4A	X	-17.135	5.75
11	MP4A	Z	9.893	5.75
12	MP4A	Mx	.018	5.75
13	MP4A	X	-17.135	.75
14	MP4A	Z	9.893	.75
15	MP4A	Mx	.005	.75
16	MP4A	X	-17.135	5.75
17	MP4A	Z	9.893	5.75
18	MP4A	Mx	.005	5.75
19	MP2A	X	-8.674	1
20	MP2A	Z	5.008	1
21	MP2A	Mx	.004	1
22	MP2A	X	-8.674	5.5
23	MP2A	Z	5.008	5.5
24	MP2A	Mx	.004	5.5
25	MP1A	X	-6.45	5.25
26	MP1A	Z	3.724	5.25
27	MP1A	Mx	.003	5.25
28	MP3A	X	-8.865	1.5
29	MP3A	Z	5.118	1.5
30	MP3A	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-6.712	.75
2	MP1A	Z	0	.75
3	MP1A	Mx	.003	.75
4	MP1A	X	-6.712	2.75
5	MP1A	Z	0	2.75
6	MP1A	Mx	.003	2.75
7	MP4A	X	-17.888	.75
8	MP4A	Z	0	.75
9	MP4A	Mx	.012	.75
10	MP4A	X	-17.888	5.75
11	MP4A	Z	0	5.75
12	MP4A	Mx	.012	5.75
13	MP4A	X	-17.888	.75
14	MP4A	Z	0	.75
15	MP4A	Mx	.012	.75
16	MP4A	X	-17.888	5.75
17	MP4A	Z	0	5.75
18	MP4A	Mx	.012	5.75
19	MP2A	X	-8.271	1
20	MP2A	Z	0	1
21	MP2A	Mx	.004	1
22	MP2A	X	-8.271	5.5
23	MP2A	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
24	MP2A	Mx	.004	5.5
25	MP1A	X	-6.239	5.25
26	MP1A	Z	0	5.25
27	MP1A	Mx	.003	5.25
28	MP3A	X	-9.28	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.005	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-7.644	.75
2	MP1A	Z	-4.413	.75
3	MP1A	Mx	.004	.75
4	MP1A	X	-7.644	2.75
5	MP1A	Z	-4.413	2.75
6	MP1A	Mx	.004	2.75
7	MP4A	X	-17.135	.75
8	MP4A	Z	-9.893	.75
9	MP4A	Mx	.005	.75
10	MP4A	X	-17.135	5.75
11	MP4A	Z	-9.893	5.75
12	MP4A	Mx	.005	5.75
13	MP4A	X	-17.135	.75
14	MP4A	Z	-9.893	.75
15	MP4A	Mx	.018	.75
16	MP4A	X	-17.135	5.75
17	MP4A	Z	-9.893	5.75
18	MP4A	Mx	.018	5.75
19	MP2A	X	-8.674	1
20	MP2A	Z	-5.008	1
21	MP2A	Mx	.004	1
22	MP2A	X	-8.674	5.5
23	MP2A	Z	-5.008	5.5
24	MP2A	Mx	.004	5.5
25	MP1A	X	-6.45	5.25
26	MP1A	Z	-3.724	5.25
27	MP1A	Mx	.003	5.25
28	MP3A	X	-8.865	1.5
29	MP3A	Z	-5.118	1.5
30	MP3A	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-6.527	.75
2	MP1A	Z	-11.306	.75
3	MP1A	Mx	.003	.75
4	MP1A	X	-6.527	2.75
5	MP1A	Z	-11.306	2.75
6	MP1A	Mx	.003	2.75
7	MP4A	X	-11.792	.75
8	MP4A	Z	-20.424	.75
9	MP4A	Mx	-.006	.75
10	MP4A	X	-11.792	5.75
11	MP4A	Z	-20.424	5.75
12	MP4A	Mx	-.006	5.75
13	MP4A	X	-11.792	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
14	MP4A	Z	-20.424	.75
15	MP4A	Mx	.021	.75
16	MP4A	X	-11.792	5.75
17	MP4A	Z	-20.424	5.75
18	MP4A	Mx	.021	5.75
19	MP2A	X	-6.752	1
20	MP2A	Z	-11.694	1
21	MP2A	Mx	.003	1
22	MP2A	X	-6.752	5.5
23	MP2A	Z	-11.694	5.5
24	MP2A	Mx	.003	5.5
25	MP1A	X	-4.933	5.25
26	MP1A	Z	-8.544	5.25
27	MP1A	Mx	.002	5.25
28	MP3A	X	-6.075	1.5
29	MP3A	Z	-10.523	1.5
30	MP3A	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	.75
2	MP1A	Z	-3.823	.75
3	MP1A	Mx	0	.75
4	MP1A	X	0	2.75
5	MP1A	Z	-3.823	2.75
6	MP1A	Mx	0	2.75
7	MP4A	X	0	.75
8	MP4A	Z	-7.957	.75
9	MP4A	Mx	-.005	.75
10	MP4A	X	0	5.75
11	MP4A	Z	-7.957	5.75
12	MP4A	Mx	-.005	5.75
13	MP4A	X	0	.75
14	MP4A	Z	-7.957	.75
15	MP4A	Mx	.005	.75
16	MP4A	X	0	5.75
17	MP4A	Z	-7.957	5.75
18	MP4A	Mx	.005	5.75
19	MP2A	X	0	1
20	MP2A	Z	-4.603	1
21	MP2A	Mx	0	1
22	MP2A	X	0	5.5
23	MP2A	Z	-4.603	5.5
24	MP2A	Mx	0	5.5
25	MP1A	X	0	5.25
26	MP1A	Z	-2.984	5.25
27	MP1A	Mx	0	5.25
28	MP3A	X	0	1.5
29	MP3A	Z	-3.023	1.5
30	MP3A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	1.598	.75
2	MP1A	Z	-2.768	.75
3	MP1A	Mx	-.000799	.75





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
4	MP1A	X	1.598	2.75
5	MP1A	Z	-2.768	2.75
6	MP1A	Mx	-.000799	2.75
7	MP4A	X	3.642	.75
8	MP4A	Z	-6.308	.75
9	MP4A	Mx	-.007	.75
10	MP4A	X	3.642	5.75
11	MP4A	Z	-6.308	5.75
12	MP4A	Mx	-.007	5.75
13	MP4A	X	3.642	.75
14	MP4A	Z	-6.308	.75
15	MP4A	Mx	.002	.75
16	MP4A	X	3.642	5.75
17	MP4A	Z	-6.308	5.75
18	MP4A	Mx	.002	5.75
19	MP2A	X	2	1
20	MP2A	Z	-3.464	1
21	MP2A	Mx	-.001	1
22	MP2A	X	2	5.5
23	MP2A	Z	-3.464	5.5
24	MP2A	Mx	-.001	5.5
25	MP1A	X	1.303	5.25
26	MP1A	Z	-2.257	5.25
27	MP1A	Mx	-.000652	5.25
28	MP3A	X	1.387	1.5
29	MP3A	Z	-2.403	1.5
30	MP3A	Mx	.000693	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	1.683	.75
2	MP1A	Z	-.971	.75
3	MP1A	Mx	-.000842	.75
4	MP1A	X	1.683	2.75
5	MP1A	Z	-.971	2.75
6	MP1A	Mx	-.000842	2.75
7	MP4A	X	5.141	.75
8	MP4A	Z	-2.968	.75
9	MP4A	Mx	-.005	.75
10	MP4A	X	5.141	5.75
11	MP4A	Z	-2.968	5.75
12	MP4A	Mx	-.005	5.75
13	MP4A	X	5.141	.75
14	MP4A	Z	-2.968	.75
15	MP4A	Mx	-.001	.75
16	MP4A	X	5.141	5.75
17	MP4A	Z	-2.968	5.75
18	MP4A	Mx	-.001	5.75
19	MP2A	X	2.42	1
20	MP2A	Z	-1.397	1
21	MP2A	Mx	-.001	1
22	MP2A	X	2.42	5.5
23	MP2A	Z	-1.397	5.5
24	MP2A	Mx	-.001	5.5
25	MP1A	X	1.602	5.25
26	MP1A	Z	-.925	5.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
27	MP1A	Mx	-.000801	5.25
28	MP3A	X	1.972	1.5
29	MP3A	Z	-1.138	1.5
30	MP3A	Mx	.000986	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	1.316	.75
2	MP1A	Z	0	.75
3	MP1A	Mx	-.000658	.75
4	MP1A	X	1.316	2.75
5	MP1A	Z	0	2.75
6	MP1A	Mx	-.000658	2.75
7	MP4A	X	5.262	.75
8	MP4A	Z	0	.75
9	MP4A	Mx	-.004	.75
10	MP4A	X	5.262	5.75
11	MP4A	Z	0	5.75
12	MP4A	Mx	-.004	5.75
13	MP4A	X	5.262	.75
14	MP4A	Z	0	.75
15	MP4A	Mx	-.004	.75
16	MP4A	X	5.262	5.75
17	MP4A	Z	0	5.75
18	MP4A	Mx	-.004	5.75
19	MP2A	X	2.192	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.001	1
22	MP2A	X	2.192	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.001	5.5
25	MP1A	X	1.472	5.25
26	MP1A	Z	0	5.25
27	MP1A	Mx	-.000736	5.25
28	MP3A	X	2.028	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	1.683	.75
2	MP1A	Z	.971	.75
3	MP1A	Mx	-.000842	.75
4	MP1A	X	1.683	2.75
5	MP1A	Z	.971	2.75
6	MP1A	Mx	-.000842	2.75
7	MP4A	X	5.141	.75
8	MP4A	Z	2.968	.75
9	MP4A	Mx	-.001	.75
10	MP4A	X	5.141	5.75
11	MP4A	Z	2.968	5.75
12	MP4A	Mx	-.001	5.75
13	MP4A	X	5.141	.75
14	MP4A	Z	2.968	.75
15	MP4A	Mx	-.005	.75
16	MP4A	X	5.141	5.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
17	MP4A	Z	2.968	5.75
18	MP4A	Mx	-0.005	5.75
19	MP2A	X	2.42	1
20	MP2A	Z	1.397	1
21	MP2A	Mx	-0.001	1
22	MP2A	X	2.42	5.5
23	MP2A	Z	1.397	5.5
24	MP2A	Mx	-0.001	5.5
25	MP1A	X	1.602	5.25
26	MP1A	Z	.925	5.25
27	MP1A	Mx	-.000801	5.25
28	MP3A	X	1.972	1.5
29	MP3A	Z	1.138	1.5
30	MP3A	Mx	.000986	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	1.598	.75
2	MP1A	Z	2.768	.75
3	MP1A	Mx	-.000799	.75
4	MP1A	X	1.598	2.75
5	MP1A	Z	2.768	2.75
6	MP1A	Mx	-.000799	2.75
7	MP4A	X	3.642	.75
8	MP4A	Z	6.308	.75
9	MP4A	Mx	.002	.75
10	MP4A	X	3.642	5.75
11	MP4A	Z	6.308	5.75
12	MP4A	Mx	.002	5.75
13	MP4A	X	3.642	.75
14	MP4A	Z	6.308	.75
15	MP4A	Mx	-.007	.75
16	MP4A	X	3.642	5.75
17	MP4A	Z	6.308	5.75
18	MP4A	Mx	-.007	5.75
19	MP2A	X	2	1
20	MP2A	Z	3.464	1
21	MP2A	Mx	-.001	1
22	MP2A	X	2	5.5
23	MP2A	Z	3.464	5.5
24	MP2A	Mx	-.001	5.5
25	MP1A	X	1.303	5.25
26	MP1A	Z	2.257	5.25
27	MP1A	Mx	-.000652	5.25
28	MP3A	X	1.387	1.5
29	MP3A	Z	2.403	1.5
30	MP3A	Mx	.000693	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	.75
2	MP1A	Z	3.823	.75
3	MP1A	Mx	0	.75
4	MP1A	X	0	2.75
5	MP1A	Z	3.823	2.75
6	MP1A	Mx	0	2.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
7	MP4A	X	0	.75
8	MP4A	Z	7.957	.75
9	MP4A	Mx	.005	.75
10	MP4A	X	0	5.75
11	MP4A	Z	7.957	5.75
12	MP4A	Mx	.005	5.75
13	MP4A	X	0	.75
14	MP4A	Z	7.957	.75
15	MP4A	Mx	-.005	.75
16	MP4A	X	0	5.75
17	MP4A	Z	7.957	5.75
18	MP4A	Mx	-.005	5.75
19	MP2A	X	0	1
20	MP2A	Z	4.603	1
21	MP2A	Mx	0	1
22	MP2A	X	0	5.5
23	MP2A	Z	4.603	5.5
24	MP2A	Mx	0	5.5
25	MP1A	X	0	5.25
26	MP1A	Z	2.984	5.25
27	MP1A	Mx	0	5.25
28	MP3A	X	0	1.5
29	MP3A	Z	3.023	1.5
30	MP3A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-1.598	.75
2	MP1A	Z	2.768	.75
3	MP1A	Mx	.000799	.75
4	MP1A	X	-1.598	2.75
5	MP1A	Z	2.768	2.75
6	MP1A	Mx	.000799	2.75
7	MP4A	X	-3.642	.75
8	MP4A	Z	6.308	.75
9	MP4A	Mx	.007	.75
10	MP4A	X	-3.642	5.75
11	MP4A	Z	6.308	5.75
12	MP4A	Mx	.007	5.75
13	MP4A	X	-3.642	.75
14	MP4A	Z	6.308	.75
15	MP4A	Mx	-.002	.75
16	MP4A	X	-3.642	5.75
17	MP4A	Z	6.308	5.75
18	MP4A	Mx	-.002	5.75
19	MP2A	X	-2	1
20	MP2A	Z	3.464	1
21	MP2A	Mx	.001	1
22	MP2A	X	-2	5.5
23	MP2A	Z	3.464	5.5
24	MP2A	Mx	.001	5.5
25	MP1A	X	-1.303	5.25
26	MP1A	Z	2.257	5.25
27	MP1A	Mx	.000652	5.25
28	MP3A	X	-1.387	1.5
29	MP3A	Z	2.403	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP3A	Mx	-0.000693	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-1.683	.75
2	MP1A	Z	.971	.75
3	MP1A	Mx	.000842	.75
4	MP1A	X	-1.683	2.75
5	MP1A	Z	.971	2.75
6	MP1A	Mx	.000842	2.75
7	MP4A	X	-5.141	.75
8	MP4A	Z	2.968	.75
9	MP4A	Mx	.005	.75
10	MP4A	X	-5.141	5.75
11	MP4A	Z	2.968	5.75
12	MP4A	Mx	.005	5.75
13	MP4A	X	-5.141	.75
14	MP4A	Z	2.968	.75
15	MP4A	Mx	.001	.75
16	MP4A	X	-5.141	5.75
17	MP4A	Z	2.968	5.75
18	MP4A	Mx	.001	5.75
19	MP2A	X	-2.42	1
20	MP2A	Z	1.397	1
21	MP2A	Mx	.001	1
22	MP2A	X	-2.42	5.5
23	MP2A	Z	1.397	5.5
24	MP2A	Mx	.001	5.5
25	MP1A	X	-1.602	5.25
26	MP1A	Z	.925	5.25
27	MP1A	Mx	.000801	5.25
28	MP3A	X	-1.972	1.5
29	MP3A	Z	1.138	1.5
30	MP3A	Mx	-0.000986	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-1.316	.75
2	MP1A	Z	0	.75
3	MP1A	Mx	.000658	.75
4	MP1A	X	-1.316	2.75
5	MP1A	Z	0	2.75
6	MP1A	Mx	.000658	2.75
7	MP4A	X	-5.262	.75
8	MP4A	Z	0	.75
9	MP4A	Mx	.004	.75
10	MP4A	X	-5.262	5.75
11	MP4A	Z	0	5.75
12	MP4A	Mx	.004	5.75
13	MP4A	X	-5.262	.75
14	MP4A	Z	0	.75
15	MP4A	Mx	.004	.75
16	MP4A	X	-5.262	5.75
17	MP4A	Z	0	5.75
18	MP4A	Mx	.004	5.75
19	MP2A	X	-2.192	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP2A	Z	0	1
21	MP2A	Mx	.001	1
22	MP2A	X	-2.192	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.001	5.5
25	MP1A	X	-1.472	5.25
26	MP1A	Z	0	5.25
27	MP1A	Mx	.000736	5.25
28	MP3A	X	-2.028	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.001	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-1.683	.75
2	MP1A	Z	-.971	.75
3	MP1A	Mx	.000842	.75
4	MP1A	X	-1.683	2.75
5	MP1A	Z	-.971	2.75
6	MP1A	Mx	.000842	2.75
7	MP4A	X	-5.141	.75
8	MP4A	Z	-2.968	.75
9	MP4A	Mx	.001	.75
10	MP4A	X	-5.141	5.75
11	MP4A	Z	-2.968	5.75
12	MP4A	Mx	.001	5.75
13	MP4A	X	-5.141	.75
14	MP4A	Z	-2.968	.75
15	MP4A	Mx	.005	.75
16	MP4A	X	-5.141	5.75
17	MP4A	Z	-2.968	5.75
18	MP4A	Mx	.005	5.75
19	MP2A	X	-2.42	1
20	MP2A	Z	-1.397	1
21	MP2A	Mx	.001	1
22	MP2A	X	-2.42	5.5
23	MP2A	Z	-1.397	5.5
24	MP2A	Mx	.001	5.5
25	MP1A	X	-1.602	5.25
26	MP1A	Z	-.925	5.25
27	MP1A	Mx	.000801	5.25
28	MP3A	X	-1.972	1.5
29	MP3A	Z	-1.138	1.5
30	MP3A	Mx	-.000986	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-1.598	.75
2	MP1A	Z	-2.768	.75
3	MP1A	Mx	.000799	.75
4	MP1A	X	-1.598	2.75
5	MP1A	Z	-2.768	2.75
6	MP1A	Mx	.000799	2.75
7	MP4A	X	-3.642	.75
8	MP4A	Z	-6.308	.75
9	MP4A	Mx	-.002	.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
10	MP4A	X	-3.642	5.75
11	MP4A	Z	-6.308	5.75
12	MP4A	Mx	-.002	5.75
13	MP4A	X	-3.642	.75
14	MP4A	Z	-6.308	.75
15	MP4A	Mx	.007	.75
16	MP4A	X	-3.642	5.75
17	MP4A	Z	-6.308	5.75
18	MP4A	Mx	.007	5.75
19	MP2A	X	-2	1
20	MP2A	Z	-3.464	1
21	MP2A	Mx	.001	1
22	MP2A	X	-2	5.5
23	MP2A	Z	-3.464	5.5
24	MP2A	Mx	.001	5.5
25	MP1A	X	-1.303	5.25
26	MP1A	Z	-2.257	5.25
27	MP1A	Mx	.000652	5.25
28	MP3A	X	-1.387	1.5
29	MP3A	Z	-2.403	1.5
30	MP3A	Mx	-.000693	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	Y	-500	%3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	Y	-500	%98

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

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	Y	-250	%100

**Member Point Loads (BLC 81 : Antenna Ev)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	Y	-1.737	.75
2	MP1A	My	-.000869	.75
3	MP1A	Mz	0	.75
4	MP1A	Y	-1.737	2.75
5	MP1A	My	-.000869	2.75
6	MP1A	Mz	0	2.75
7	MP4A	Y	-.798	.75
8	MP4A	My	-.000532	.75
9	MP4A	Mz	.000532	.75
10	MP4A	Y	-.798	5.75
11	MP4A	My	-.000532	5.75
12	MP4A	Mz	.000532	5.75
13	MP4A	Y	-.798	.75
14	MP4A	My	-.000532	.75

**Member Point Loads (BLC 81 : Antenna Ev) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
15	MP4A	Mz	-.000532	.75
16	MP4A	Y	-.798	5.75
17	MP4A	My	-.000532	5.75
18	MP4A	Mz	-.000532	5.75
19	MP2A	Y	-.197	1
20	MP2A	My	-9.9e-5	1
21	MP2A	Mz	0	1
22	MP2A	Y	-.197	5.5
23	MP2A	My	-9.9e-5	5.5
24	MP2A	Mz	0	5.5
25	MP1A	Y	-.926	5.25
26	MP1A	My	-.000463	5.25
27	MP1A	Mz	0	5.25
28	MP3A	Y	-3.367	1.5
29	MP3A	My	.002	1.5
30	MP3A	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP1A	Z	-4.343	.75
2	MP1A	Mx	0	.75
3	MP1A	Z	-4.343	2.75
4	MP1A	Mx	0	2.75
5	MP4A	Z	-1.995	.75
6	MP4A	Mx	-.001	.75
7	MP4A	Z	-1.995	5.75
8	MP4A	Mx	-.001	5.75
9	MP4A	Z	-1.995	.75
10	MP4A	Mx	.001	.75
11	MP4A	Z	-1.995	5.75
12	MP4A	Mx	.001	5.75
13	MP2A	Z	-.494	1
14	MP2A	Mx	0	1
15	MP2A	Z	-.494	5.5
16	MP2A	Mx	0	5.5
17	MP1A	Z	-2.314	5.25
18	MP1A	Mx	0	5.25
19	MP3A	Z	-8.417	1.5
20	MP3A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP1A	X	4.343	.75
2	MP1A	Mx	-.002	.75
3	MP1A	X	4.343	2.75
4	MP1A	Mx	-.002	2.75
5	MP4A	X	1.995	.75
6	MP4A	Mx	-.001	.75
7	MP4A	X	1.995	5.75
8	MP4A	Mx	-.001	5.75
9	MP4A	X	1.995	.75
10	MP4A	Mx	-.001	.75
11	MP4A	X	1.995	5.75
12	MP4A	Mx	-.001	5.75
13	MP2A	X	.494	1
14	MP2A	Mx	-.000247	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
15	MP2A	X	.494	5.5
16	MP2A	Mx	-.000247	5.5
17	MP1A	X	2.314	5.25
18	MP1A	Mx	-.001	5.25
19	MP3A	X	8.417	1.5
20	MP3A	Mx	.004	1.5

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-9.343	-9.343	0	%100
2	M2	Y	-9.343	-9.343	0	%100
3	M13	Y	-10.739	-10.739	0	%100
4	M14	Y	-10.739	-10.739	0	%100
5	M15	Y	-10.739	-10.739	0	%100
6	M16	Y	-10.739	-10.739	0	%100
7	M17	Y	-8.317	-8.317	0	%100
8	M18	Y	-8.317	-8.317	0	%100
9	M19	Y	-8.317	-8.317	0	%100
10	M20	Y	-8.317	-8.317	0	%100
11	M21	Y	-10.739	-10.739	0	%100
12	M22	Y	-10.739	-10.739	0	%100
13	M23	Y	-10.739	-10.739	0	%100
14	M24	Y	-10.739	-10.739	0	%100
15	M25	Y	-4.984	-4.984	0	%100
16	M26	Y	-4.984	-4.984	0	%100
17	M27	Y	-4.984	-4.984	0	%100
18	M28	Y	-4.984	-4.984	0	%100
19	MP4A	Y	-8.317	-8.317	0	%100
20	MP3A	Y	-8.317	-8.317	0	%100
21	MP2A	Y	-8.317	-8.317	0	%100
22	MP1A	Y	-8.317	-8.317	0	%100
23	M44	Y	-4.727	-4.727	0	%100
24	M45	Y	-4.727	-4.727	0	%100
25	M46	Y	-4.727	-4.727	0	%100
26	M47	Y	-4.727	-4.727	0	%100
27	M43	Y	-8.317	-8.317	0	%100
28	M44A	Y	-8.317	-8.317	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-8.528	-8.528	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-8.528	-8.528	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-3.367	-3.367	0	%100
15	M18	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
16	M18	Z	-3.367	-3.367	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-3.367	-3.367	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-3.367	-3.367	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-1.854	-1.854	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-1.854	-1.854	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-1.854	-1.854	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-1.854	-1.854	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-1.92	-1.92	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-1.92	-1.92	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-1.92	-1.92	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-1.92	-1.92	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-7.045	-7.045	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-7.045	-7.045	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-7.045	-7.045	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-7.045	-7.045	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-1.854	-1.854	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-1.854	-1.854	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-1.854	-1.854	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-1.854	-1.854	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	-.586	-.586	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	-.586	-.586	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	3.198	3.198	0	%100
2	M1	Z	-5.539	-5.539	0	%100
3	M2	X	3.198	3.198	0	%100
4	M2	Z	-5.539	-5.539	0	%100
5	M13	X	.232	.232	0	%100
6	M13	Z	-.401	-.401	0	%100
7	M14	X	.232	.232	0	%100
8	M14	Z	-.401	-.401	0	%100
9	M15	X	.232	.232	0	%100
10	M15	Z	-.401	-.401	0	%100
11	M16	X	.232	.232	0	%100
12	M16	Z	-.401	-.401	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
13	M17	X	.379	.379	0	%100
14	M17	Z	-.657	-.657	0	%100
15	M18	X	.379	.379	0	%100
16	M18	Z	-.657	-.657	0	%100
17	M19	X	2.662	2.662	0	%100
18	M19	Z	-4.612	-4.612	0	%100
19	M20	X	2.662	2.662	0	%100
20	M20	Z	-4.612	-4.612	0	%100
21	M21	X	.695	.695	0	%100
22	M21	Z	-1.204	-1.204	0	%100
23	M22	X	.695	.695	0	%100
24	M22	Z	-1.204	-1.204	0	%100
25	M23	X	.695	.695	0	%100
26	M23	Z	-1.204	-1.204	0	%100
27	M24	X	.695	.695	0	%100
28	M24	Z	-1.204	-1.204	0	%100
29	M25	X	.768	.768	0	%100
30	M25	Z	-1.33	-1.33	0	%100
31	M26	X	.768	.768	0	%100
32	M26	Z	-1.33	-1.33	0	%100
33	M27	X	1.105	1.105	0	%100
34	M27	Z	-1.913	-1.913	0	%100
35	M28	X	1.105	1.105	0	%100
36	M28	Z	-1.913	-1.913	0	%100
37	MP4A	X	3.523	3.523	0	%100
38	MP4A	Z	-6.101	-6.101	0	%100
39	MP3A	X	3.523	3.523	0	%100
40	MP3A	Z	-6.101	-6.101	0	%100
41	MP2A	X	3.523	3.523	0	%100
42	MP2A	Z	-6.101	-6.101	0	%100
43	MP1A	X	3.523	3.523	0	%100
44	MP1A	Z	-6.101	-6.101	0	%100
45	M44	X	.927	.927	0	%100
46	M44	Z	-1.606	-1.606	0	%100
47	M45	X	.927	.927	0	%100
48	M45	Z	-1.606	-1.606	0	%100
49	M46	X	.927	.927	0	%100
50	M46	Z	-1.606	-1.606	0	%100
51	M47	X	.927	.927	0	%100
52	M47	Z	-1.606	-1.606	0	%100
53	M43	X	.185	.185	0	%100
54	M43	Z	-.32	-.32	0	%100
55	M44A	X	1.87	1.87	0	%100
56	M44A	Z	-3.239	-3.239	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.846	1.846	0	%100
2	M1	Z	-1.066	-1.066	0	%100
3	M2	X	1.846	1.846	0	%100
4	M2	Z	-1.066	-1.066	0	%100
5	M13	X	1.204	1.204	0	%100
6	M13	Z	-.695	-.695	0	%100
7	M14	X	1.204	1.204	0	%100
8	M14	Z	-.695	-.695	0	%100
9	M15	X	1.204	1.204	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
10	M15	Z	-.695	-.695	0	%100
11	M16	X	1.204	1.204	0	%100
12	M16	Z	-.695	-.695	0	%100
13	M17	X	.093	.093	0	%100
14	M17	Z	-.053	-.053	0	%100
15	M18	X	.093	.093	0	%100
16	M18	Z	-.053	-.053	0	%100
17	M19	X	4.048	4.048	0	%100
18	M19	Z	-2.337	-2.337	0	%100
19	M20	X	4.048	4.048	0	%100
20	M20	Z	-2.337	-2.337	0	%100
21	M21	X	.401	.401	0	%100
22	M21	Z	-.232	-.232	0	%100
23	M22	X	.401	.401	0	%100
24	M22	Z	-.232	-.232	0	%100
25	M23	X	.401	.401	0	%100
26	M23	Z	-.232	-.232	0	%100
27	M24	X	.401	.401	0	%100
28	M24	Z	-.232	-.232	0	%100
29	M25	X	1.247	1.247	0	%100
30	M25	Z	-.72	-.72	0	%100
31	M26	X	1.247	1.247	0	%100
32	M26	Z	-.72	-.72	0	%100
33	M27	X	1.83	1.83	0	%100
34	M27	Z	-1.056	-1.056	0	%100
35	M28	X	1.83	1.83	0	%100
36	M28	Z	-1.056	-1.056	0	%100
37	MP4A	X	6.101	6.101	0	%100
38	MP4A	Z	-3.523	-3.523	0	%100
39	MP3A	X	6.101	6.101	0	%100
40	MP3A	Z	-3.523	-3.523	0	%100
41	MP2A	X	6.101	6.101	0	%100
42	MP2A	Z	-3.523	-3.523	0	%100
43	MP1A	X	6.101	6.101	0	%100
44	MP1A	Z	-3.523	-3.523	0	%100
45	M44	X	1.606	1.606	0	%100
46	M44	Z	-.927	-.927	0	%100
47	M45	X	1.606	1.606	0	%100
48	M45	Z	-.927	-.927	0	%100
49	M46	X	1.606	1.606	0	%100
50	M46	Z	-.927	-.927	0	%100
51	M47	X	1.606	1.606	0	%100
52	M47	Z	-.927	-.927	0	%100
53	M43	X	2.862	2.862	0	%100
54	M43	Z	-1.653	-1.653	0	%100
55	M44A	X	5.782	5.782	0	%100
56	M44A	Z	-3.338	-3.338	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	1.854	1.854	0	%100
6	M13	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
7	M14	X	1.854	1.854	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	1.854	1.854	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	1.854	1.854	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	2.065	2.065	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	2.065	2.065	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	2.065	2.065	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	2.065	2.065	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	1.728	1.728	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	1.728	1.728	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	1.728	1.728	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	1.728	1.728	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	7.045	7.045	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	7.045	7.045	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	7.045	7.045	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	7.045	7.045	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	1.854	1.854	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	1.854	1.854	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	1.854	1.854	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	1.854	1.854	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	6.459	6.459	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	6.459	6.459	0	%100
56	M44A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.846	1.846	0	%100
2	M1	Z	1.066	1.066	0	%100
3	M2	X	1.846	1.846	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M2	Z	1.066	1.066	0	%100
5	M13	X	1.204	1.204	0	%100
6	M13	Z	.695	.695	0	%100
7	M14	X	1.204	1.204	0	%100
8	M14	Z	.695	.695	0	%100
9	M15	X	1.204	1.204	0	%100
10	M15	Z	.695	.695	0	%100
11	M16	X	1.204	1.204	0	%100
12	M16	Z	.695	.695	0	%100
13	M17	X	4.048	4.048	0	%100
14	M17	Z	2.337	2.337	0	%100
15	M18	X	4.048	4.048	0	%100
16	M18	Z	2.337	2.337	0	%100
17	M19	X	.093	.093	0	%100
18	M19	Z	.053	.053	0	%100
19	M20	X	.093	.093	0	%100
20	M20	Z	.053	.053	0	%100
21	M21	X	.401	.401	0	%100
22	M21	Z	.232	.232	0	%100
23	M22	X	.401	.401	0	%100
24	M22	Z	.232	.232	0	%100
25	M23	X	.401	.401	0	%100
26	M23	Z	.232	.232	0	%100
27	M24	X	.401	.401	0	%100
28	M24	Z	.232	.232	0	%100
29	M25	X	1.83	1.83	0	%100
30	M25	Z	1.056	1.056	0	%100
31	M26	X	1.83	1.83	0	%100
32	M26	Z	1.056	1.056	0	%100
33	M27	X	1.247	1.247	0	%100
34	M27	Z	.72	.72	0	%100
35	M28	X	1.247	1.247	0	%100
36	M28	Z	.72	.72	0	%100
37	MP4A	X	6.101	6.101	0	%100
38	MP4A	Z	3.523	3.523	0	%100
39	MP3A	X	6.101	6.101	0	%100
40	MP3A	Z	3.523	3.523	0	%100
41	MP2A	X	6.101	6.101	0	%100
42	MP2A	Z	3.523	3.523	0	%100
43	MP1A	X	6.101	6.101	0	%100
44	MP1A	Z	3.523	3.523	0	%100
45	M44	X	1.606	1.606	0	%100
46	M44	Z	.927	.927	0	%100
47	M45	X	1.606	1.606	0	%100
48	M45	Z	.927	.927	0	%100
49	M46	X	1.606	1.606	0	%100
50	M46	Z	.927	.927	0	%100
51	M47	X	1.606	1.606	0	%100
52	M47	Z	.927	.927	0	%100
53	M43	X	5.782	5.782	0	%100
54	M43	Z	3.338	3.338	0	%100
55	M44A	X	2.862	2.862	0	%100
56	M44A	Z	1.653	1.653	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
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**Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	3.198	3.198	0	%100
2	M1	Z	5.539	5.539	0	%100
3	M2	X	3.198	3.198	0	%100
4	M2	Z	5.539	5.539	0	%100
5	M13	X	.232	.232	0	%100
6	M13	Z	.401	.401	0	%100
7	M14	X	.232	.232	0	%100
8	M14	Z	.401	.401	0	%100
9	M15	X	.232	.232	0	%100
10	M15	Z	.401	.401	0	%100
11	M16	X	.232	.232	0	%100
12	M16	Z	.401	.401	0	%100
13	M17	X	2.662	2.662	0	%100
14	M17	Z	4.612	4.612	0	%100
15	M18	X	2.662	2.662	0	%100
16	M18	Z	4.612	4.612	0	%100
17	M19	X	.379	.379	0	%100
18	M19	Z	.657	.657	0	%100
19	M20	X	.379	.379	0	%100
20	M20	Z	.657	.657	0	%100
21	M21	X	.695	.695	0	%100
22	M21	Z	1.204	1.204	0	%100
23	M22	X	.695	.695	0	%100
24	M22	Z	1.204	1.204	0	%100
25	M23	X	.695	.695	0	%100
26	M23	Z	1.204	1.204	0	%100
27	M24	X	.695	.695	0	%100
28	M24	Z	1.204	1.204	0	%100
29	M25	X	1.105	1.105	0	%100
30	M25	Z	1.913	1.913	0	%100
31	M26	X	1.105	1.105	0	%100
32	M26	Z	1.913	1.913	0	%100
33	M27	X	.768	.768	0	%100
34	M27	Z	1.33	1.33	0	%100
35	M28	X	.768	.768	0	%100
36	M28	Z	1.33	1.33	0	%100
37	MP4A	X	3.523	3.523	0	%100
38	MP4A	Z	6.101	6.101	0	%100
39	MP3A	X	3.523	3.523	0	%100
40	MP3A	Z	6.101	6.101	0	%100
41	MP2A	X	3.523	3.523	0	%100
42	MP2A	Z	6.101	6.101	0	%100
43	MP1A	X	3.523	3.523	0	%100
44	MP1A	Z	6.101	6.101	0	%100
45	M44	X	.927	.927	0	%100
46	M44	Z	1.606	1.606	0	%100
47	M45	X	.927	.927	0	%100
48	M45	Z	1.606	1.606	0	%100
49	M46	X	.927	.927	0	%100
50	M46	Z	1.606	1.606	0	%100
51	M47	X	.927	.927	0	%100
52	M47	Z	1.606	1.606	0	%100
53	M43	X	1.87	1.87	0	%100
54	M43	Z	3.239	3.239	0	%100
55	M44A	X	.185	.185	0	%100
56	M44A	Z	.32	.32	0	%100





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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	8.528	8.528	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	8.528	8.528	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	3.367	3.367	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	3.367	3.367	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	3.367	3.367	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	3.367	3.367	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	1.854	1.854	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	1.854	1.854	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	1.854	1.854	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	1.854	1.854	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	1.92	1.92	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	1.92	1.92	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	1.92	1.92	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	1.92	1.92	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	7.045	7.045	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	7.045	7.045	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	7.045	7.045	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	7.045	7.045	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	1.854	1.854	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	1.854	1.854	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	1.854	1.854	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	1.854	1.854	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	.586	.586	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	.586	.586	0	%100





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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-3.198	-3.198	0	%100
2	M1	Z	5.539	5.539	0	%100
3	M2	X	-3.198	-3.198	0	%100
4	M2	Z	5.539	5.539	0	%100
5	M13	X	-.232	-.232	0	%100
6	M13	Z	.401	.401	0	%100
7	M14	X	-.232	-.232	0	%100
8	M14	Z	.401	.401	0	%100
9	M15	X	-.232	-.232	0	%100
10	M15	Z	.401	.401	0	%100
11	M16	X	-.232	-.232	0	%100
12	M16	Z	.401	.401	0	%100
13	M17	X	-.379	-.379	0	%100
14	M17	Z	.657	.657	0	%100
15	M18	X	-.379	-.379	0	%100
16	M18	Z	.657	.657	0	%100
17	M19	X	-2.662	-2.662	0	%100
18	M19	Z	4.612	4.612	0	%100
19	M20	X	-2.662	-2.662	0	%100
20	M20	Z	4.612	4.612	0	%100
21	M21	X	-.695	-.695	0	%100
22	M21	Z	1.204	1.204	0	%100
23	M22	X	-.695	-.695	0	%100
24	M22	Z	1.204	1.204	0	%100
25	M23	X	-.695	-.695	0	%100
26	M23	Z	1.204	1.204	0	%100
27	M24	X	-.695	-.695	0	%100
28	M24	Z	1.204	1.204	0	%100
29	M25	X	-.768	-.768	0	%100
30	M25	Z	1.33	1.33	0	%100
31	M26	X	-.768	-.768	0	%100
32	M26	Z	1.33	1.33	0	%100
33	M27	X	-1.105	-1.105	0	%100
34	M27	Z	1.913	1.913	0	%100
35	M28	X	-1.105	-1.105	0	%100
36	M28	Z	1.913	1.913	0	%100
37	MP4A	X	-3.523	-3.523	0	%100
38	MP4A	Z	6.101	6.101	0	%100
39	MP3A	X	-3.523	-3.523	0	%100
40	MP3A	Z	6.101	6.101	0	%100
41	MP2A	X	-3.523	-3.523	0	%100
42	MP2A	Z	6.101	6.101	0	%100
43	MP1A	X	-3.523	-3.523	0	%100
44	MP1A	Z	6.101	6.101	0	%100
45	M44	X	-.927	-.927	0	%100
46	M44	Z	1.606	1.606	0	%100
47	M45	X	-.927	-.927	0	%100
48	M45	Z	1.606	1.606	0	%100
49	M46	X	-.927	-.927	0	%100
50	M46	Z	1.606	1.606	0	%100
51	M47	X	-.927	-.927	0	%100
52	M47	Z	1.606	1.606	0	%100
53	M43	X	-.185	-.185	0	%100
54	M43	Z	.32	.32	0	%100
55	M44A	X	-1.87	-1.87	0	%100
56	M44A	Z	3.239	3.239	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.846	-1.846	0	%100
2	M1	Z	1.066	1.066	0	%100
3	M2	X	-1.846	-1.846	0	%100
4	M2	Z	1.066	1.066	0	%100
5	M13	X	-1.204	-1.204	0	%100
6	M13	Z	.695	.695	0	%100
7	M14	X	-1.204	-1.204	0	%100
8	M14	Z	.695	.695	0	%100
9	M15	X	-1.204	-1.204	0	%100
10	M15	Z	.695	.695	0	%100
11	M16	X	-1.204	-1.204	0	%100
12	M16	Z	.695	.695	0	%100
13	M17	X	-.093	-.093	0	%100
14	M17	Z	.053	.053	0	%100
15	M18	X	-.093	-.093	0	%100
16	M18	Z	.053	.053	0	%100
17	M19	X	-4.048	-4.048	0	%100
18	M19	Z	2.337	2.337	0	%100
19	M20	X	-4.048	-4.048	0	%100
20	M20	Z	2.337	2.337	0	%100
21	M21	X	-.401	-.401	0	%100
22	M21	Z	.232	.232	0	%100
23	M22	X	-.401	-.401	0	%100
24	M22	Z	.232	.232	0	%100
25	M23	X	-.401	-.401	0	%100
26	M23	Z	.232	.232	0	%100
27	M24	X	-.401	-.401	0	%100
28	M24	Z	.232	.232	0	%100
29	M25	X	-1.247	-1.247	0	%100
30	M25	Z	.72	.72	0	%100
31	M26	X	-1.247	-1.247	0	%100
32	M26	Z	.72	.72	0	%100
33	M27	X	-1.83	-1.83	0	%100
34	M27	Z	1.056	1.056	0	%100
35	M28	X	-1.83	-1.83	0	%100
36	M28	Z	1.056	1.056	0	%100
37	MP4A	X	-6.101	-6.101	0	%100
38	MP4A	Z	3.523	3.523	0	%100
39	MP3A	X	-6.101	-6.101	0	%100
40	MP3A	Z	3.523	3.523	0	%100
41	MP2A	X	-6.101	-6.101	0	%100
42	MP2A	Z	3.523	3.523	0	%100
43	MP1A	X	-6.101	-6.101	0	%100
44	MP1A	Z	3.523	3.523	0	%100
45	M44	X	-1.606	-1.606	0	%100
46	M44	Z	.927	.927	0	%100
47	M45	X	-1.606	-1.606	0	%100
48	M45	Z	.927	.927	0	%100
49	M46	X	-1.606	-1.606	0	%100
50	M46	Z	.927	.927	0	%100
51	M47	X	-1.606	-1.606	0	%100
52	M47	Z	.927	.927	0	%100
53	M43	X	-2.862	-2.862	0	%100
54	M43	Z	1.653	1.653	0	%100
55	M44A	X	-5.782	-5.782	0	%100
56	M44A	Z	3.338	3.338	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-1.854	-1.854	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-1.854	-1.854	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-1.854	-1.854	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-1.854	-1.854	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-2.065	-2.065	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-2.065	-2.065	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-2.065	-2.065	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-2.065	-2.065	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-1.728	-1.728	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-1.728	-1.728	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-1.728	-1.728	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-1.728	-1.728	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-7.045	-7.045	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-7.045	-7.045	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-7.045	-7.045	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-7.045	-7.045	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-1.854	-1.854	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-1.854	-1.854	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-1.854	-1.854	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	-1.854	-1.854	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	-6.459	-6.459	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	-6.459	-6.459	0	%100
56	M44A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.846	-1.846	0	%100
2	M1	Z	-1.066	-1.066	0	%100
3	M2	X	-1.846	-1.846	0	%100
4	M2	Z	-1.066	-1.066	0	%100
5	M13	X	-1.204	-1.204	0	%100
6	M13	Z	-.695	-.695	0	%100
7	M14	X	-1.204	-1.204	0	%100
8	M14	Z	-.695	-.695	0	%100
9	M15	X	-1.204	-1.204	0	%100
10	M15	Z	-.695	-.695	0	%100
11	M16	X	-1.204	-1.204	0	%100
12	M16	Z	-.695	-.695	0	%100
13	M17	X	-4.048	-4.048	0	%100
14	M17	Z	-2.337	-2.337	0	%100
15	M18	X	-4.048	-4.048	0	%100
16	M18	Z	-2.337	-2.337	0	%100
17	M19	X	-.093	-.093	0	%100
18	M19	Z	-.053	-.053	0	%100
19	M20	X	-.093	-.093	0	%100
20	M20	Z	-.053	-.053	0	%100
21	M21	X	-.401	-.401	0	%100
22	M21	Z	-.232	-.232	0	%100
23	M22	X	-.401	-.401	0	%100
24	M22	Z	-.232	-.232	0	%100
25	M23	X	-.401	-.401	0	%100
26	M23	Z	-.232	-.232	0	%100
27	M24	X	-.401	-.401	0	%100
28	M24	Z	-.232	-.232	0	%100
29	M25	X	-1.83	-1.83	0	%100
30	M25	Z	-1.056	-1.056	0	%100
31	M26	X	-1.83	-1.83	0	%100
32	M26	Z	-1.056	-1.056	0	%100
33	M27	X	-1.247	-1.247	0	%100
34	M27	Z	-.72	-.72	0	%100
35	M28	X	-1.247	-1.247	0	%100
36	M28	Z	-.72	-.72	0	%100
37	MP4A	X	-6.101	-6.101	0	%100
38	MP4A	Z	-3.523	-3.523	0	%100
39	MP3A	X	-6.101	-6.101	0	%100
40	MP3A	Z	-3.523	-3.523	0	%100
41	MP2A	X	-6.101	-6.101	0	%100
42	MP2A	Z	-3.523	-3.523	0	%100
43	MP1A	X	-6.101	-6.101	0	%100
44	MP1A	Z	-3.523	-3.523	0	%100
45	M44	X	-1.606	-1.606	0	%100
46	M44	Z	-.927	-.927	0	%100
47	M45	X	-1.606	-1.606	0	%100
48	M45	Z	-.927	-.927	0	%100
49	M46	X	-1.606	-1.606	0	%100
50	M46	Z	-.927	-.927	0	%100
51	M47	X	-1.606	-1.606	0	%100
52	M47	Z	-.927	-.927	0	%100
53	M43	X	-5.782	-5.782	0	%100
54	M43	Z	-3.338	-3.338	0	%100
55	M44A	X	-2.862	-2.862	0	%100
56	M44A	Z	-1.653	-1.653	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-3.198	-3.198	0	%100
2	M1	Z	-5.539	-5.539	0	%100
3	M2	X	-3.198	-3.198	0	%100
4	M2	Z	-5.539	-5.539	0	%100
5	M13	X	-.232	-.232	0	%100
6	M13	Z	-.401	-.401	0	%100
7	M14	X	-.232	-.232	0	%100
8	M14	Z	-.401	-.401	0	%100
9	M15	X	-.232	-.232	0	%100
10	M15	Z	-.401	-.401	0	%100
11	M16	X	-.232	-.232	0	%100
12	M16	Z	-.401	-.401	0	%100
13	M17	X	-2.662	-2.662	0	%100
14	M17	Z	-4.612	-4.612	0	%100
15	M18	X	-2.662	-2.662	0	%100
16	M18	Z	-4.612	-4.612	0	%100
17	M19	X	-.379	-.379	0	%100
18	M19	Z	-.657	-.657	0	%100
19	M20	X	-.379	-.379	0	%100
20	M20	Z	-.657	-.657	0	%100
21	M21	X	-.695	-.695	0	%100
22	M21	Z	-1.204	-1.204	0	%100
23	M22	X	-.695	-.695	0	%100
24	M22	Z	-1.204	-1.204	0	%100
25	M23	X	-.695	-.695	0	%100
26	M23	Z	-1.204	-1.204	0	%100
27	M24	X	-.695	-.695	0	%100
28	M24	Z	-1.204	-1.204	0	%100
29	M25	X	-1.105	-1.105	0	%100
30	M25	Z	-1.913	-1.913	0	%100
31	M26	X	-1.105	-1.105	0	%100
32	M26	Z	-1.913	-1.913	0	%100
33	M27	X	-.768	-.768	0	%100
34	M27	Z	-1.33	-1.33	0	%100
35	M28	X	-.768	-.768	0	%100
36	M28	Z	-1.33	-1.33	0	%100
37	MP4A	X	-3.523	-3.523	0	%100
38	MP4A	Z	-6.101	-6.101	0	%100
39	MP3A	X	-3.523	-3.523	0	%100
40	MP3A	Z	-6.101	-6.101	0	%100
41	MP2A	X	-3.523	-3.523	0	%100
42	MP2A	Z	-6.101	-6.101	0	%100
43	MP1A	X	-3.523	-3.523	0	%100
44	MP1A	Z	-6.101	-6.101	0	%100
45	M44	X	-.927	-.927	0	%100
46	M44	Z	-1.606	-1.606	0	%100
47	M45	X	-.927	-.927	0	%100
48	M45	Z	-1.606	-1.606	0	%100
49	M46	X	-.927	-.927	0	%100
50	M46	Z	-1.606	-1.606	0	%100
51	M47	X	-.927	-.927	0	%100
52	M47	Z	-1.606	-1.606	0	%100
53	M43	X	-1.87	-1.87	0	%100
54	M43	Z	-3.239	-3.239	0	%100
55	M44A	X	-.185	-.185	0	%100
56	M44A	Z	-.32	-.32	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-3.377	-3.377	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-3.377	-3.377	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-1.407	-1.407	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-1.407	-1.407	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-1.407	-1.407	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-1.407	-1.407	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-1.4	-1.4	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-1.4	-1.4	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-1.4	-1.4	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-1.4	-1.4	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-1.627	-1.627	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-1.627	-1.627	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-1.627	-1.627	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-1.627	-1.627	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-3.106	-3.106	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-3.106	-3.106	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-3.106	-3.106	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-3.106	-3.106	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-1.717	-1.717	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-1.717	-1.717	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-1.717	-1.717	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-1.717	-1.717	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	-.241	-.241	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	-.241	-.241	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.266	1.266	0	%100
2	M1	Z	-2.193	-2.193	0	%100
3	M2	X	1.266	1.266	0	%100
4	M2	Z	-2.193	-2.193	0	%100
5	M13	X	.175	.175	0	%100
6	M13	Z	-.303	-.303	0	%100
7	M14	X	.175	.175	0	%100
8	M14	Z	-.303	-.303	0	%100
9	M15	X	.175	.175	0	%100
10	M15	Z	-.303	-.303	0	%100
11	M16	X	.175	.175	0	%100
12	M16	Z	-.303	-.303	0	%100
13	M17	X	.158	.158	0	%100
14	M17	Z	-.274	-.274	0	%100
15	M18	X	.158	.158	0	%100
16	M18	Z	-.274	-.274	0	%100
17	M19	X	1.113	1.113	0	%100
18	M19	Z	-1.927	-1.927	0	%100
19	M20	X	1.113	1.113	0	%100
20	M20	Z	-1.927	-1.927	0	%100
21	M21	X	.525	.525	0	%100
22	M21	Z	-.909	-.909	0	%100
23	M22	X	.525	.525	0	%100
24	M22	Z	-.909	-.909	0	%100
25	M23	X	.525	.525	0	%100
26	M23	Z	-.909	-.909	0	%100
27	M24	X	.525	.525	0	%100
28	M24	Z	-.909	-.909	0	%100
29	M25	X	.65	.65	0	%100
30	M25	Z	-1.127	-1.127	0	%100
31	M26	X	.65	.65	0	%100
32	M26	Z	-1.127	-1.127	0	%100
33	M27	X	.936	.936	0	%100
34	M27	Z	-1.621	-1.621	0	%100
35	M28	X	.936	.936	0	%100
36	M28	Z	-1.621	-1.621	0	%100
37	MP4A	X	1.553	1.553	0	%100
38	MP4A	Z	-2.69	-2.69	0	%100
39	MP3A	X	1.553	1.553	0	%100
40	MP3A	Z	-2.69	-2.69	0	%100
41	MP2A	X	1.553	1.553	0	%100
42	MP2A	Z	-2.69	-2.69	0	%100
43	MP1A	X	1.553	1.553	0	%100
44	MP1A	Z	-2.69	-2.69	0	%100
45	M44	X	.858	.858	0	%100
46	M44	Z	-1.487	-1.487	0	%100
47	M45	X	.858	.858	0	%100
48	M45	Z	-1.487	-1.487	0	%100
49	M46	X	.858	.858	0	%100
50	M46	Z	-1.487	-1.487	0	%100
51	M47	X	.858	.858	0	%100
52	M47	Z	-1.487	-1.487	0	%100
53	M43	X	.076	.076	0	%100
54	M43	Z	-.131	-.131	0	%100
55	M44A	X	.767	.767	0	%100
56	M44A	Z	-1.328	-1.328	0	%100





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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.731	.731	0	%100
2	M1	Z	-.422	-.422	0	%100
3	M2	X	.731	.731	0	%100
4	M2	Z	-.422	-.422	0	%100
5	M13	X	.909	.909	0	%100
6	M13	Z	-.525	-.525	0	%100
7	M14	X	.909	.909	0	%100
8	M14	Z	-.525	-.525	0	%100
9	M15	X	.909	.909	0	%100
10	M15	Z	-.525	-.525	0	%100
11	M16	X	.909	.909	0	%100
12	M16	Z	-.525	-.525	0	%100
13	M17	X	.039	.039	0	%100
14	M17	Z	-.022	-.022	0	%100
15	M18	X	.039	.039	0	%100
16	M18	Z	-.022	-.022	0	%100
17	M19	X	1.692	1.692	0	%100
18	M19	Z	-.977	-.977	0	%100
19	M20	X	1.692	1.692	0	%100
20	M20	Z	-.977	-.977	0	%100
21	M21	X	.303	.303	0	%100
22	M21	Z	-.175	-.175	0	%100
23	M22	X	.303	.303	0	%100
24	M22	Z	-.175	-.175	0	%100
25	M23	X	.303	.303	0	%100
26	M23	Z	-.175	-.175	0	%100
27	M24	X	.303	.303	0	%100
28	M24	Z	-.175	-.175	0	%100
29	M25	X	1.056	1.056	0	%100
30	M25	Z	-.61	-.61	0	%100
31	M26	X	1.056	1.056	0	%100
32	M26	Z	-.61	-.61	0	%100
33	M27	X	1.55	1.55	0	%100
34	M27	Z	-.895	-.895	0	%100
35	M28	X	1.55	1.55	0	%100
36	M28	Z	-.895	-.895	0	%100
37	MP4A	X	2.69	2.69	0	%100
38	MP4A	Z	-1.553	-1.553	0	%100
39	MP3A	X	2.69	2.69	0	%100
40	MP3A	Z	-1.553	-1.553	0	%100
41	MP2A	X	2.69	2.69	0	%100
42	MP2A	Z	-1.553	-1.553	0	%100
43	MP1A	X	2.69	2.69	0	%100
44	MP1A	Z	-1.553	-1.553	0	%100
45	M44	X	1.487	1.487	0	%100
46	M44	Z	-.858	-.858	0	%100
47	M45	X	1.487	1.487	0	%100
48	M45	Z	-.858	-.858	0	%100
49	M46	X	1.487	1.487	0	%100
50	M46	Z	-.858	-.858	0	%100
51	M47	X	1.487	1.487	0	%100
52	M47	Z	-.858	-.858	0	%100
53	M43	X	1.174	1.174	0	%100
54	M43	Z	-.678	-.678	0	%100
55	M44A	X	2.371	2.371	0	%100
56	M44A	Z	-1.369	-1.369	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	1.4	1.4	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	1.4	1.4	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	1.4	1.4	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	1.4	1.4	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	.863	.863	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	.863	.863	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.863	.863	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.863	.863	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	1.464	1.464	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	1.464	1.464	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	1.464	1.464	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	1.464	1.464	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	3.106	3.106	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	3.106	3.106	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	3.106	3.106	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	3.106	3.106	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	1.717	1.717	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	1.717	1.717	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	1.717	1.717	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	1.717	1.717	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	2.649	2.649	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	2.649	2.649	0	%100
56	M44A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.731	.731	0	%100
2	M1	Z	.422	.422	0	%100
3	M2	X	.731	.731	0	%100
4	M2	Z	.422	.422	0	%100
5	M13	X	.909	.909	0	%100
6	M13	Z	.525	.525	0	%100
7	M14	X	.909	.909	0	%100
8	M14	Z	.525	.525	0	%100
9	M15	X	.909	.909	0	%100
10	M15	Z	.525	.525	0	%100
11	M16	X	.909	.909	0	%100
12	M16	Z	.525	.525	0	%100
13	M17	X	1.692	1.692	0	%100
14	M17	Z	.977	.977	0	%100
15	M18	X	1.692	1.692	0	%100
16	M18	Z	.977	.977	0	%100
17	M19	X	.039	.039	0	%100
18	M19	Z	.022	.022	0	%100
19	M20	X	.039	.039	0	%100
20	M20	Z	.022	.022	0	%100
21	M21	X	.303	.303	0	%100
22	M21	Z	.175	.175	0	%100
23	M22	X	.303	.303	0	%100
24	M22	Z	.175	.175	0	%100
25	M23	X	.303	.303	0	%100
26	M23	Z	.175	.175	0	%100
27	M24	X	.303	.303	0	%100
28	M24	Z	.175	.175	0	%100
29	M25	X	1.55	1.55	0	%100
30	M25	Z	.895	.895	0	%100
31	M26	X	1.55	1.55	0	%100
32	M26	Z	.895	.895	0	%100
33	M27	X	1.056	1.056	0	%100
34	M27	Z	.61	.61	0	%100
35	M28	X	1.056	1.056	0	%100
36	M28	Z	.61	.61	0	%100
37	MP4A	X	2.69	2.69	0	%100
38	MP4A	Z	1.553	1.553	0	%100
39	MP3A	X	2.69	2.69	0	%100
40	MP3A	Z	1.553	1.553	0	%100
41	MP2A	X	2.69	2.69	0	%100
42	MP2A	Z	1.553	1.553	0	%100
43	MP1A	X	2.69	2.69	0	%100
44	MP1A	Z	1.553	1.553	0	%100
45	M44	X	1.487	1.487	0	%100
46	M44	Z	.858	.858	0	%100
47	M45	X	1.487	1.487	0	%100
48	M45	Z	.858	.858	0	%100
49	M46	X	1.487	1.487	0	%100
50	M46	Z	.858	.858	0	%100
51	M47	X	1.487	1.487	0	%100
52	M47	Z	.858	.858	0	%100
53	M43	X	2.371	2.371	0	%100
54	M43	Z	1.369	1.369	0	%100
55	M44A	X	1.174	1.174	0	%100
56	M44A	Z	.678	.678	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.266	1.266	0	%100
2	M1	Z	2.193	2.193	0	%100
3	M2	X	1.266	1.266	0	%100
4	M2	Z	2.193	2.193	0	%100
5	M13	X	.175	.175	0	%100
6	M13	Z	.303	.303	0	%100
7	M14	X	.175	.175	0	%100
8	M14	Z	.303	.303	0	%100
9	M15	X	.175	.175	0	%100
10	M15	Z	.303	.303	0	%100
11	M16	X	.175	.175	0	%100
12	M16	Z	.303	.303	0	%100
13	M17	X	1.113	1.113	0	%100
14	M17	Z	1.927	1.927	0	%100
15	M18	X	1.113	1.113	0	%100
16	M18	Z	1.927	1.927	0	%100
17	M19	X	.158	.158	0	%100
18	M19	Z	.274	.274	0	%100
19	M20	X	.158	.158	0	%100
20	M20	Z	.274	.274	0	%100
21	M21	X	.525	.525	0	%100
22	M21	Z	.909	.909	0	%100
23	M22	X	.525	.525	0	%100
24	M22	Z	.909	.909	0	%100
25	M23	X	.525	.525	0	%100
26	M23	Z	.909	.909	0	%100
27	M24	X	.525	.525	0	%100
28	M24	Z	.909	.909	0	%100
29	M25	X	.936	.936	0	%100
30	M25	Z	1.621	1.621	0	%100
31	M26	X	.936	.936	0	%100
32	M26	Z	1.621	1.621	0	%100
33	M27	X	.65	.65	0	%100
34	M27	Z	1.127	1.127	0	%100
35	M28	X	.65	.65	0	%100
36	M28	Z	1.127	1.127	0	%100
37	MP4A	X	1.553	1.553	0	%100
38	MP4A	Z	2.69	2.69	0	%100
39	MP3A	X	1.553	1.553	0	%100
40	MP3A	Z	2.69	2.69	0	%100
41	MP2A	X	1.553	1.553	0	%100
42	MP2A	Z	2.69	2.69	0	%100
43	MP1A	X	1.553	1.553	0	%100
44	MP1A	Z	2.69	2.69	0	%100
45	M44	X	.858	.858	0	%100
46	M44	Z	1.487	1.487	0	%100
47	M45	X	.858	.858	0	%100
48	M45	Z	1.487	1.487	0	%100
49	M46	X	.858	.858	0	%100
50	M46	Z	1.487	1.487	0	%100
51	M47	X	.858	.858	0	%100
52	M47	Z	1.487	1.487	0	%100
53	M43	X	.767	.767	0	%100
54	M43	Z	1.328	1.328	0	%100
55	M44A	X	.076	.076	0	%100
56	M44A	Z	.131	.131	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	3.377	3.377	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	3.377	3.377	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	1.407	1.407	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	1.407	1.407	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	1.407	1.407	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	1.407	1.407	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	1.4	1.4	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	1.4	1.4	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	1.4	1.4	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	1.4	1.4	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	1.627	1.627	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	1.627	1.627	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	1.627	1.627	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	1.627	1.627	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	3.106	3.106	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	3.106	3.106	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	3.106	3.106	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	3.106	3.106	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	1.717	1.717	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	1.717	1.717	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	1.717	1.717	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	1.717	1.717	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	.241	.241	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	.241	.241	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.266	-1.266	0	%100
2	M1	Z	2.193	2.193	0	%100
3	M2	X	-1.266	-1.266	0	%100
4	M2	Z	2.193	2.193	0	%100
5	M13	X	-.175	-.175	0	%100
6	M13	Z	.303	.303	0	%100
7	M14	X	-.175	-.175	0	%100
8	M14	Z	.303	.303	0	%100
9	M15	X	-.175	-.175	0	%100
10	M15	Z	.303	.303	0	%100
11	M16	X	-.175	-.175	0	%100
12	M16	Z	.303	.303	0	%100
13	M17	X	-.158	-.158	0	%100
14	M17	Z	.274	.274	0	%100
15	M18	X	-.158	-.158	0	%100
16	M18	Z	.274	.274	0	%100
17	M19	X	-1.113	-1.113	0	%100
18	M19	Z	1.927	1.927	0	%100
19	M20	X	-1.113	-1.113	0	%100
20	M20	Z	1.927	1.927	0	%100
21	M21	X	-.525	-.525	0	%100
22	M21	Z	.909	.909	0	%100
23	M22	X	-.525	-.525	0	%100
24	M22	Z	.909	.909	0	%100
25	M23	X	-.525	-.525	0	%100
26	M23	Z	.909	.909	0	%100
27	M24	X	-.525	-.525	0	%100
28	M24	Z	.909	.909	0	%100
29	M25	X	-.65	-.65	0	%100
30	M25	Z	1.127	1.127	0	%100
31	M26	X	-.65	-.65	0	%100
32	M26	Z	1.127	1.127	0	%100
33	M27	X	-.936	-.936	0	%100
34	M27	Z	1.621	1.621	0	%100
35	M28	X	-.936	-.936	0	%100
36	M28	Z	1.621	1.621	0	%100
37	MP4A	X	-1.553	-1.553	0	%100
38	MP4A	Z	2.69	2.69	0	%100
39	MP3A	X	-1.553	-1.553	0	%100
40	MP3A	Z	2.69	2.69	0	%100
41	MP2A	X	-1.553	-1.553	0	%100
42	MP2A	Z	2.69	2.69	0	%100
43	MP1A	X	-1.553	-1.553	0	%100
44	MP1A	Z	2.69	2.69	0	%100
45	M44	X	-.858	-.858	0	%100
46	M44	Z	1.487	1.487	0	%100
47	M45	X	-.858	-.858	0	%100
48	M45	Z	1.487	1.487	0	%100
49	M46	X	-.858	-.858	0	%100
50	M46	Z	1.487	1.487	0	%100
51	M47	X	-.858	-.858	0	%100
52	M47	Z	1.487	1.487	0	%100
53	M43	X	-.076	-.076	0	%100
54	M43	Z	.131	.131	0	%100
55	M44A	X	-.767	-.767	0	%100
56	M44A	Z	1.328	1.328	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.731	-.731	0	%100
2	M1	Z	.422	.422	0	%100
3	M2	X	-.731	-.731	0	%100
4	M2	Z	.422	.422	0	%100
5	M13	X	-.909	-.909	0	%100
6	M13	Z	.525	.525	0	%100
7	M14	X	-.909	-.909	0	%100
8	M14	Z	.525	.525	0	%100
9	M15	X	-.909	-.909	0	%100
10	M15	Z	.525	.525	0	%100
11	M16	X	-.909	-.909	0	%100
12	M16	Z	.525	.525	0	%100
13	M17	X	-.039	-.039	0	%100
14	M17	Z	.022	.022	0	%100
15	M18	X	-.039	-.039	0	%100
16	M18	Z	.022	.022	0	%100
17	M19	X	-1.692	-1.692	0	%100
18	M19	Z	.977	.977	0	%100
19	M20	X	-1.692	-1.692	0	%100
20	M20	Z	.977	.977	0	%100
21	M21	X	-.303	-.303	0	%100
22	M21	Z	.175	.175	0	%100
23	M22	X	-.303	-.303	0	%100
24	M22	Z	.175	.175	0	%100
25	M23	X	-.303	-.303	0	%100
26	M23	Z	.175	.175	0	%100
27	M24	X	-.303	-.303	0	%100
28	M24	Z	.175	.175	0	%100
29	M25	X	-1.056	-1.056	0	%100
30	M25	Z	.61	.61	0	%100
31	M26	X	-1.056	-1.056	0	%100
32	M26	Z	.61	.61	0	%100
33	M27	X	-1.55	-1.55	0	%100
34	M27	Z	.895	.895	0	%100
35	M28	X	-1.55	-1.55	0	%100
36	M28	Z	.895	.895	0	%100
37	MP4A	X	-2.69	-2.69	0	%100
38	MP4A	Z	1.553	1.553	0	%100
39	MP3A	X	-2.69	-2.69	0	%100
40	MP3A	Z	1.553	1.553	0	%100
41	MP2A	X	-2.69	-2.69	0	%100
42	MP2A	Z	1.553	1.553	0	%100
43	MP1A	X	-2.69	-2.69	0	%100
44	MP1A	Z	1.553	1.553	0	%100
45	M44	X	-1.487	-1.487	0	%100
46	M44	Z	.858	.858	0	%100
47	M45	X	-1.487	-1.487	0	%100
48	M45	Z	.858	.858	0	%100
49	M46	X	-1.487	-1.487	0	%100
50	M46	Z	.858	.858	0	%100
51	M47	X	-1.487	-1.487	0	%100
52	M47	Z	.858	.858	0	%100
53	M43	X	-1.174	-1.174	0	%100
54	M43	Z	.678	.678	0	%100
55	M44A	X	-2.371	-2.371	0	%100
56	M44A	Z	1.369	1.369	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-1.4	-1.4	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-1.4	-1.4	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-1.4	-1.4	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-1.4	-1.4	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-0.863	-0.863	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-0.863	-0.863	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-0.863	-0.863	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-0.863	-0.863	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-1.464	-1.464	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-1.464	-1.464	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-1.464	-1.464	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-1.464	-1.464	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-3.106	-3.106	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-3.106	-3.106	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-3.106	-3.106	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-3.106	-3.106	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-1.717	-1.717	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-1.717	-1.717	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-1.717	-1.717	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	-1.717	-1.717	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	-2.649	-2.649	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	-2.649	-2.649	0	%100
56	M44A	Z	0	0	0	%100





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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-0.731	-0.731	0	%100
2	M1	Z	-0.422	-0.422	0	%100
3	M2	X	-0.731	-0.731	0	%100
4	M2	Z	-0.422	-0.422	0	%100
5	M13	X	-0.909	-0.909	0	%100
6	M13	Z	-0.525	-0.525	0	%100
7	M14	X	-0.909	-0.909	0	%100
8	M14	Z	-0.525	-0.525	0	%100
9	M15	X	-0.909	-0.909	0	%100
10	M15	Z	-0.525	-0.525	0	%100
11	M16	X	-0.909	-0.909	0	%100
12	M16	Z	-0.525	-0.525	0	%100
13	M17	X	-1.692	-1.692	0	%100
14	M17	Z	-0.977	-0.977	0	%100
15	M18	X	-1.692	-1.692	0	%100
16	M18	Z	-0.977	-0.977	0	%100
17	M19	X	-0.039	-0.039	0	%100
18	M19	Z	-0.022	-0.022	0	%100
19	M20	X	-0.039	-0.039	0	%100
20	M20	Z	-0.022	-0.022	0	%100
21	M21	X	-0.303	-0.303	0	%100
22	M21	Z	-0.175	-0.175	0	%100
23	M22	X	-0.303	-0.303	0	%100
24	M22	Z	-0.175	-0.175	0	%100
25	M23	X	-0.303	-0.303	0	%100
26	M23	Z	-0.175	-0.175	0	%100
27	M24	X	-0.303	-0.303	0	%100
28	M24	Z	-0.175	-0.175	0	%100
29	M25	X	-1.55	-1.55	0	%100
30	M25	Z	-0.895	-0.895	0	%100
31	M26	X	-1.55	-1.55	0	%100
32	M26	Z	-0.895	-0.895	0	%100
33	M27	X	-1.056	-1.056	0	%100
34	M27	Z	-0.61	-0.61	0	%100
35	M28	X	-1.056	-1.056	0	%100
36	M28	Z	-0.61	-0.61	0	%100
37	MP4A	X	-2.69	-2.69	0	%100
38	MP4A	Z	-1.553	-1.553	0	%100
39	MP3A	X	-2.69	-2.69	0	%100
40	MP3A	Z	-1.553	-1.553	0	%100
41	MP2A	X	-2.69	-2.69	0	%100
42	MP2A	Z	-1.553	-1.553	0	%100
43	MP1A	X	-2.69	-2.69	0	%100
44	MP1A	Z	-1.553	-1.553	0	%100
45	M44	X	-1.487	-1.487	0	%100
46	M44	Z	-0.858	-0.858	0	%100
47	M45	X	-1.487	-1.487	0	%100
48	M45	Z	-0.858	-0.858	0	%100
49	M46	X	-1.487	-1.487	0	%100
50	M46	Z	-0.858	-0.858	0	%100
51	M47	X	-1.487	-1.487	0	%100
52	M47	Z	-0.858	-0.858	0	%100
53	M43	X	-2.371	-2.371	0	%100
54	M43	Z	-1.369	-1.369	0	%100
55	M44A	X	-1.174	-1.174	0	%100
56	M44A	Z	-0.678	-0.678	0	%100





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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.266	-1.266	0	%100
2	M1	Z	-2.193	-2.193	0	%100
3	M2	X	-1.266	-1.266	0	%100
4	M2	Z	-2.193	-2.193	0	%100
5	M13	X	-.175	-.175	0	%100
6	M13	Z	-.303	-.303	0	%100
7	M14	X	-.175	-.175	0	%100
8	M14	Z	-.303	-.303	0	%100
9	M15	X	-.175	-.175	0	%100
10	M15	Z	-.303	-.303	0	%100
11	M16	X	-.175	-.175	0	%100
12	M16	Z	-.303	-.303	0	%100
13	M17	X	-1.113	-1.113	0	%100
14	M17	Z	-1.927	-1.927	0	%100
15	M18	X	-1.113	-1.113	0	%100
16	M18	Z	-1.927	-1.927	0	%100
17	M19	X	-.158	-.158	0	%100
18	M19	Z	-.274	-.274	0	%100
19	M20	X	-.158	-.158	0	%100
20	M20	Z	-.274	-.274	0	%100
21	M21	X	-.525	-.525	0	%100
22	M21	Z	-.909	-.909	0	%100
23	M22	X	-.525	-.525	0	%100
24	M22	Z	-.909	-.909	0	%100
25	M23	X	-.525	-.525	0	%100
26	M23	Z	-.909	-.909	0	%100
27	M24	X	-.525	-.525	0	%100
28	M24	Z	-.909	-.909	0	%100
29	M25	X	-.936	-.936	0	%100
30	M25	Z	-1.621	-1.621	0	%100
31	M26	X	-.936	-.936	0	%100
32	M26	Z	-1.621	-1.621	0	%100
33	M27	X	-.65	-.65	0	%100
34	M27	Z	-1.127	-1.127	0	%100
35	M28	X	-.65	-.65	0	%100
36	M28	Z	-1.127	-1.127	0	%100
37	MP4A	X	-1.553	-1.553	0	%100
38	MP4A	Z	-2.69	-2.69	0	%100
39	MP3A	X	-1.553	-1.553	0	%100
40	MP3A	Z	-2.69	-2.69	0	%100
41	MP2A	X	-1.553	-1.553	0	%100
42	MP2A	Z	-2.69	-2.69	0	%100
43	MP1A	X	-1.553	-1.553	0	%100
44	MP1A	Z	-2.69	-2.69	0	%100
45	M44	X	-.858	-.858	0	%100
46	M44	Z	-1.487	-1.487	0	%100
47	M45	X	-.858	-.858	0	%100
48	M45	Z	-1.487	-1.487	0	%100
49	M46	X	-.858	-.858	0	%100
50	M46	Z	-1.487	-1.487	0	%100
51	M47	X	-.858	-.858	0	%100
52	M47	Z	-1.487	-1.487	0	%100
53	M43	X	-.767	-.767	0	%100
54	M43	Z	-1.328	-1.328	0	%100
55	M44A	X	-.076	-.076	0	%100
56	M44A	Z	-.131	-.131	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-.561	-.561	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.561	-.561	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-.221	-.221	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-.221	-.221	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.221	-.221	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-.221	-.221	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-.122	-.122	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-.122	-.122	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-.122	-.122	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-.122	-.122	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-.126	-.126	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-.126	-.126	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-.126	-.126	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-.126	-.126	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-.463	-.463	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-.463	-.463	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-.463	-.463	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-.463	-.463	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-.122	-.122	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-.122	-.122	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-.122	-.122	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-.122	-.122	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	-.039	-.039	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	-.039	-.039	0	%100



Company :  
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 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.21	.21	0	%100
2	M1	Z	-.364	-.364	0	%100
3	M2	X	.21	.21	0	%100
4	M2	Z	-.364	-.364	0	%100
5	M13	X	.015	.015	0	%100
6	M13	Z	-.026	-.026	0	%100
7	M14	X	.015	.015	0	%100
8	M14	Z	-.026	-.026	0	%100
9	M15	X	.015	.015	0	%100
10	M15	Z	-.026	-.026	0	%100
11	M16	X	.015	.015	0	%100
12	M16	Z	-.026	-.026	0	%100
13	M17	X	.025	.025	0	%100
14	M17	Z	-.043	-.043	0	%100
15	M18	X	.025	.025	0	%100
16	M18	Z	-.043	-.043	0	%100
17	M19	X	.175	.175	0	%100
18	M19	Z	-.303	-.303	0	%100
19	M20	X	.175	.175	0	%100
20	M20	Z	-.303	-.303	0	%100
21	M21	X	.046	.046	0	%100
22	M21	Z	-.079	-.079	0	%100
23	M22	X	.046	.046	0	%100
24	M22	Z	-.079	-.079	0	%100
25	M23	X	.046	.046	0	%100
26	M23	Z	-.079	-.079	0	%100
27	M24	X	.046	.046	0	%100
28	M24	Z	-.079	-.079	0	%100
29	M25	X	.05	.05	0	%100
30	M25	Z	-.087	-.087	0	%100
31	M26	X	.05	.05	0	%100
32	M26	Z	-.087	-.087	0	%100
33	M27	X	.073	.073	0	%100
34	M27	Z	-.126	-.126	0	%100
35	M28	X	.073	.073	0	%100
36	M28	Z	-.126	-.126	0	%100
37	MP4A	X	.232	.232	0	%100
38	MP4A	Z	-.401	-.401	0	%100
39	MP3A	X	.232	.232	0	%100
40	MP3A	Z	-.401	-.401	0	%100
41	MP2A	X	.232	.232	0	%100
42	MP2A	Z	-.401	-.401	0	%100
43	MP1A	X	.232	.232	0	%100
44	MP1A	Z	-.401	-.401	0	%100
45	M44	X	.061	.061	0	%100
46	M44	Z	-.106	-.106	0	%100
47	M45	X	.061	.061	0	%100
48	M45	Z	-.106	-.106	0	%100
49	M46	X	.061	.061	0	%100
50	M46	Z	-.106	-.106	0	%100
51	M47	X	.061	.061	0	%100
52	M47	Z	-.106	-.106	0	%100
53	M43	X	.012	.012	0	%100
54	M43	Z	-.021	-.021	0	%100
55	M44A	X	.123	.123	0	%100
56	M44A	Z	-.213	-.213	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.121	.121	0	%100
2	M1	Z	-.07	-.07	0	%100
3	M2	X	.121	.121	0	%100
4	M2	Z	-.07	-.07	0	%100
5	M13	X	.079	.079	0	%100
6	M13	Z	-.046	-.046	0	%100
7	M14	X	.079	.079	0	%100
8	M14	Z	-.046	-.046	0	%100
9	M15	X	.079	.079	0	%100
10	M15	Z	-.046	-.046	0	%100
11	M16	X	.079	.079	0	%100
12	M16	Z	-.046	-.046	0	%100
13	M17	X	.006	.006	0	%100
14	M17	Z	-.004	-.004	0	%100
15	M18	X	.006	.006	0	%100
16	M18	Z	-.004	-.004	0	%100
17	M19	X	.266	.266	0	%100
18	M19	Z	-.154	-.154	0	%100
19	M20	X	.266	.266	0	%100
20	M20	Z	-.154	-.154	0	%100
21	M21	X	.026	.026	0	%100
22	M21	Z	-.015	-.015	0	%100
23	M22	X	.026	.026	0	%100
24	M22	Z	-.015	-.015	0	%100
25	M23	X	.026	.026	0	%100
26	M23	Z	-.015	-.015	0	%100
27	M24	X	.026	.026	0	%100
28	M24	Z	-.015	-.015	0	%100
29	M25	X	.082	.082	0	%100
30	M25	Z	-.047	-.047	0	%100
31	M26	X	.082	.082	0	%100
32	M26	Z	-.047	-.047	0	%100
33	M27	X	.12	.12	0	%100
34	M27	Z	-.069	-.069	0	%100
35	M28	X	.12	.12	0	%100
36	M28	Z	-.069	-.069	0	%100
37	MP4A	X	.401	.401	0	%100
38	MP4A	Z	-.232	-.232	0	%100
39	MP3A	X	.401	.401	0	%100
40	MP3A	Z	-.232	-.232	0	%100
41	MP2A	X	.401	.401	0	%100
42	MP2A	Z	-.232	-.232	0	%100
43	MP1A	X	.401	.401	0	%100
44	MP1A	Z	-.232	-.232	0	%100
45	M44	X	.106	.106	0	%100
46	M44	Z	-.061	-.061	0	%100
47	M45	X	.106	.106	0	%100
48	M45	Z	-.061	-.061	0	%100
49	M46	X	.106	.106	0	%100
50	M46	Z	-.061	-.061	0	%100
51	M47	X	.106	.106	0	%100
52	M47	Z	-.061	-.061	0	%100
53	M43	X	.188	.188	0	%100
54	M43	Z	-.109	-.109	0	%100
55	M44A	X	.38	.38	0	%100
56	M44A	Z	-.219	-.219	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	.122	.122	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	.122	.122	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	.122	.122	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	.122	.122	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	.136	.136	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	.136	.136	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.136	.136	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.136	.136	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	.114	.114	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	.114	.114	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	.114	.114	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	.114	.114	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	.463	.463	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	.463	.463	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	.463	.463	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	.463	.463	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	.122	.122	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	.122	.122	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	.122	.122	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	.122	.122	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	.425	.425	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	.425	.425	0	%100
56	M44A	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.121	.121	0	%100
2	M1	Z	.07	.07	0	%100
3	M2	X	.121	.121	0	%100
4	M2	Z	.07	.07	0	%100
5	M13	X	.079	.079	0	%100
6	M13	Z	.046	.046	0	%100
7	M14	X	.079	.079	0	%100
8	M14	Z	.046	.046	0	%100
9	M15	X	.079	.079	0	%100
10	M15	Z	.046	.046	0	%100
11	M16	X	.079	.079	0	%100
12	M16	Z	.046	.046	0	%100
13	M17	X	.266	.266	0	%100
14	M17	Z	.154	.154	0	%100
15	M18	X	.266	.266	0	%100
16	M18	Z	.154	.154	0	%100
17	M19	X	.006	.006	0	%100
18	M19	Z	.004	.004	0	%100
19	M20	X	.006	.006	0	%100
20	M20	Z	.004	.004	0	%100
21	M21	X	.026	.026	0	%100
22	M21	Z	.015	.015	0	%100
23	M22	X	.026	.026	0	%100
24	M22	Z	.015	.015	0	%100
25	M23	X	.026	.026	0	%100
26	M23	Z	.015	.015	0	%100
27	M24	X	.026	.026	0	%100
28	M24	Z	.015	.015	0	%100
29	M25	X	.12	.12	0	%100
30	M25	Z	.069	.069	0	%100
31	M26	X	.12	.12	0	%100
32	M26	Z	.069	.069	0	%100
33	M27	X	.082	.082	0	%100
34	M27	Z	.047	.047	0	%100
35	M28	X	.082	.082	0	%100
36	M28	Z	.047	.047	0	%100
37	MP4A	X	.401	.401	0	%100
38	MP4A	Z	.232	.232	0	%100
39	MP3A	X	.401	.401	0	%100
40	MP3A	Z	.232	.232	0	%100
41	MP2A	X	.401	.401	0	%100
42	MP2A	Z	.232	.232	0	%100
43	MP1A	X	.401	.401	0	%100
44	MP1A	Z	.232	.232	0	%100
45	M44	X	.106	.106	0	%100
46	M44	Z	.061	.061	0	%100
47	M45	X	.106	.106	0	%100
48	M45	Z	.061	.061	0	%100
49	M46	X	.106	.106	0	%100
50	M46	Z	.061	.061	0	%100
51	M47	X	.106	.106	0	%100
52	M47	Z	.061	.061	0	%100
53	M43	X	.38	.38	0	%100
54	M43	Z	.219	.219	0	%100
55	M44A	X	.188	.188	0	%100
56	M44A	Z	.109	.109	0	%100



Company :  
 Designer :  
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 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.21	.21	0	%100
2	M1	Z	.364	.364	0	%100
3	M2	X	.21	.21	0	%100
4	M2	Z	.364	.364	0	%100
5	M13	X	.015	.015	0	%100
6	M13	Z	.026	.026	0	%100
7	M14	X	.015	.015	0	%100
8	M14	Z	.026	.026	0	%100
9	M15	X	.015	.015	0	%100
10	M15	Z	.026	.026	0	%100
11	M16	X	.015	.015	0	%100
12	M16	Z	.026	.026	0	%100
13	M17	X	.175	.175	0	%100
14	M17	Z	.303	.303	0	%100
15	M18	X	.175	.175	0	%100
16	M18	Z	.303	.303	0	%100
17	M19	X	.025	.025	0	%100
18	M19	Z	.043	.043	0	%100
19	M20	X	.025	.025	0	%100
20	M20	Z	.043	.043	0	%100
21	M21	X	.046	.046	0	%100
22	M21	Z	.079	.079	0	%100
23	M22	X	.046	.046	0	%100
24	M22	Z	.079	.079	0	%100
25	M23	X	.046	.046	0	%100
26	M23	Z	.079	.079	0	%100
27	M24	X	.046	.046	0	%100
28	M24	Z	.079	.079	0	%100
29	M25	X	.073	.073	0	%100
30	M25	Z	.126	.126	0	%100
31	M26	X	.073	.073	0	%100
32	M26	Z	.126	.126	0	%100
33	M27	X	.05	.05	0	%100
34	M27	Z	.087	.087	0	%100
35	M28	X	.05	.05	0	%100
36	M28	Z	.087	.087	0	%100
37	MP4A	X	.232	.232	0	%100
38	MP4A	Z	.401	.401	0	%100
39	MP3A	X	.232	.232	0	%100
40	MP3A	Z	.401	.401	0	%100
41	MP2A	X	.232	.232	0	%100
42	MP2A	Z	.401	.401	0	%100
43	MP1A	X	.232	.232	0	%100
44	MP1A	Z	.401	.401	0	%100
45	M44	X	.061	.061	0	%100
46	M44	Z	.106	.106	0	%100
47	M45	X	.061	.061	0	%100
48	M45	Z	.106	.106	0	%100
49	M46	X	.061	.061	0	%100
50	M46	Z	.106	.106	0	%100
51	M47	X	.061	.061	0	%100
52	M47	Z	.106	.106	0	%100
53	M43	X	.123	.123	0	%100
54	M43	Z	.213	.213	0	%100
55	M44A	X	.012	.012	0	%100
56	M44A	Z	.021	.021	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	.561	.561	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.561	.561	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	.221	.221	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	.221	.221	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.221	.221	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	.221	.221	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	.122	.122	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	.122	.122	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	.122	.122	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	.122	.122	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	.126	.126	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	.126	.126	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	.126	.126	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	.126	.126	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.463	.463	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	.463	.463	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	.463	.463	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	.463	.463	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	.122	.122	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	.122	.122	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	.122	.122	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	.122	.122	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	.039	.039	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	.039	.039	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-21	-21	0	%100
2	M1	Z	.364	.364	0	%100
3	M2	X	-21	-21	0	%100
4	M2	Z	.364	.364	0	%100
5	M13	X	-.015	-.015	0	%100
6	M13	Z	.026	.026	0	%100
7	M14	X	-.015	-.015	0	%100
8	M14	Z	.026	.026	0	%100
9	M15	X	-.015	-.015	0	%100
10	M15	Z	.026	.026	0	%100
11	M16	X	-.015	-.015	0	%100
12	M16	Z	.026	.026	0	%100
13	M17	X	-.025	-.025	0	%100
14	M17	Z	.043	.043	0	%100
15	M18	X	-.025	-.025	0	%100
16	M18	Z	.043	.043	0	%100
17	M19	X	-.175	-.175	0	%100
18	M19	Z	.303	.303	0	%100
19	M20	X	-.175	-.175	0	%100
20	M20	Z	.303	.303	0	%100
21	M21	X	-.046	-.046	0	%100
22	M21	Z	.079	.079	0	%100
23	M22	X	-.046	-.046	0	%100
24	M22	Z	.079	.079	0	%100
25	M23	X	-.046	-.046	0	%100
26	M23	Z	.079	.079	0	%100
27	M24	X	-.046	-.046	0	%100
28	M24	Z	.079	.079	0	%100
29	M25	X	-.05	-.05	0	%100
30	M25	Z	.087	.087	0	%100
31	M26	X	-.05	-.05	0	%100
32	M26	Z	.087	.087	0	%100
33	M27	X	-.073	-.073	0	%100
34	M27	Z	.126	.126	0	%100
35	M28	X	-.073	-.073	0	%100
36	M28	Z	.126	.126	0	%100
37	MP4A	X	-.232	-.232	0	%100
38	MP4A	Z	.401	.401	0	%100
39	MP3A	X	-.232	-.232	0	%100
40	MP3A	Z	.401	.401	0	%100
41	MP2A	X	-.232	-.232	0	%100
42	MP2A	Z	.401	.401	0	%100
43	MP1A	X	-.232	-.232	0	%100
44	MP1A	Z	.401	.401	0	%100
45	M44	X	-.061	-.061	0	%100
46	M44	Z	.106	.106	0	%100
47	M45	X	-.061	-.061	0	%100
48	M45	Z	.106	.106	0	%100
49	M46	X	-.061	-.061	0	%100
50	M46	Z	.106	.106	0	%100
51	M47	X	-.061	-.061	0	%100
52	M47	Z	.106	.106	0	%100
53	M43	X	-.012	-.012	0	%100
54	M43	Z	.021	.021	0	%100
55	M44A	X	-.123	-.123	0	%100
56	M44A	Z	.213	.213	0	%100



Company :  
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 Job Number :  
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.121	-.121	0	%100
2	M1	Z	.07	.07	0	%100
3	M2	X	-.121	-.121	0	%100
4	M2	Z	.07	.07	0	%100
5	M13	X	-.079	-.079	0	%100
6	M13	Z	.046	.046	0	%100
7	M14	X	-.079	-.079	0	%100
8	M14	Z	.046	.046	0	%100
9	M15	X	-.079	-.079	0	%100
10	M15	Z	.046	.046	0	%100
11	M16	X	-.079	-.079	0	%100
12	M16	Z	.046	.046	0	%100
13	M17	X	-.006	-.006	0	%100
14	M17	Z	.004	.004	0	%100
15	M18	X	-.006	-.006	0	%100
16	M18	Z	.004	.004	0	%100
17	M19	X	-.266	-.266	0	%100
18	M19	Z	.154	.154	0	%100
19	M20	X	-.266	-.266	0	%100
20	M20	Z	.154	.154	0	%100
21	M21	X	-.026	-.026	0	%100
22	M21	Z	.015	.015	0	%100
23	M22	X	-.026	-.026	0	%100
24	M22	Z	.015	.015	0	%100
25	M23	X	-.026	-.026	0	%100
26	M23	Z	.015	.015	0	%100
27	M24	X	-.026	-.026	0	%100
28	M24	Z	.015	.015	0	%100
29	M25	X	-.082	-.082	0	%100
30	M25	Z	.047	.047	0	%100
31	M26	X	-.082	-.082	0	%100
32	M26	Z	.047	.047	0	%100
33	M27	X	-.12	-.12	0	%100
34	M27	Z	.069	.069	0	%100
35	M28	X	-.12	-.12	0	%100
36	M28	Z	.069	.069	0	%100
37	MP4A	X	-.401	-.401	0	%100
38	MP4A	Z	.232	.232	0	%100
39	MP3A	X	-.401	-.401	0	%100
40	MP3A	Z	.232	.232	0	%100
41	MP2A	X	-.401	-.401	0	%100
42	MP2A	Z	.232	.232	0	%100
43	MP1A	X	-.401	-.401	0	%100
44	MP1A	Z	.232	.232	0	%100
45	M44	X	-.106	-.106	0	%100
46	M44	Z	.061	.061	0	%100
47	M45	X	-.106	-.106	0	%100
48	M45	Z	.061	.061	0	%100
49	M46	X	-.106	-.106	0	%100
50	M46	Z	.061	.061	0	%100
51	M47	X	-.106	-.106	0	%100
52	M47	Z	.061	.061	0	%100
53	M43	X	-.188	-.188	0	%100
54	M43	Z	.109	.109	0	%100
55	M44A	X	-.38	-.38	0	%100
56	M44A	Z	.219	.219	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-.122	-.122	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-.122	-.122	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-.122	-.122	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-.122	-.122	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-.136	-.136	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-.136	-.136	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-.136	-.136	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.136	-.136	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-.114	-.114	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-.114	-.114	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-.114	-.114	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-.114	-.114	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-.463	-.463	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-.463	-.463	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-.463	-.463	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-.463	-.463	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-.122	-.122	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-.122	-.122	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-.122	-.122	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	-.122	-.122	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	-.425	-.425	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	-.425	-.425	0	%100
56	M44A	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.121	-.121	0	%100
2	M1	Z	-.07	-.07	0	%100
3	M2	X	-.121	-.121	0	%100
4	M2	Z	-.07	-.07	0	%100
5	M13	X	-.079	-.079	0	%100
6	M13	Z	-.046	-.046	0	%100
7	M14	X	-.079	-.079	0	%100
8	M14	Z	-.046	-.046	0	%100
9	M15	X	-.079	-.079	0	%100
10	M15	Z	-.046	-.046	0	%100
11	M16	X	-.079	-.079	0	%100
12	M16	Z	-.046	-.046	0	%100
13	M17	X	-.266	-.266	0	%100
14	M17	Z	-.154	-.154	0	%100
15	M18	X	-.266	-.266	0	%100
16	M18	Z	-.154	-.154	0	%100
17	M19	X	-.006	-.006	0	%100
18	M19	Z	-.004	-.004	0	%100
19	M20	X	-.006	-.006	0	%100
20	M20	Z	-.004	-.004	0	%100
21	M21	X	-.026	-.026	0	%100
22	M21	Z	-.015	-.015	0	%100
23	M22	X	-.026	-.026	0	%100
24	M22	Z	-.015	-.015	0	%100
25	M23	X	-.026	-.026	0	%100
26	M23	Z	-.015	-.015	0	%100
27	M24	X	-.026	-.026	0	%100
28	M24	Z	-.015	-.015	0	%100
29	M25	X	-.12	-.12	0	%100
30	M25	Z	-.069	-.069	0	%100
31	M26	X	-.12	-.12	0	%100
32	M26	Z	-.069	-.069	0	%100
33	M27	X	-.082	-.082	0	%100
34	M27	Z	-.047	-.047	0	%100
35	M28	X	-.082	-.082	0	%100
36	M28	Z	-.047	-.047	0	%100
37	MP4A	X	-.401	-.401	0	%100
38	MP4A	Z	-.232	-.232	0	%100
39	MP3A	X	-.401	-.401	0	%100
40	MP3A	Z	-.232	-.232	0	%100
41	MP2A	X	-.401	-.401	0	%100
42	MP2A	Z	-.232	-.232	0	%100
43	MP1A	X	-.401	-.401	0	%100
44	MP1A	Z	-.232	-.232	0	%100
45	M44	X	-.106	-.106	0	%100
46	M44	Z	-.061	-.061	0	%100
47	M45	X	-.106	-.106	0	%100
48	M45	Z	-.061	-.061	0	%100
49	M46	X	-.106	-.106	0	%100
50	M46	Z	-.061	-.061	0	%100
51	M47	X	-.106	-.106	0	%100
52	M47	Z	-.061	-.061	0	%100
53	M43	X	-.38	-.38	0	%100
54	M43	Z	-.219	-.219	0	%100
55	M44A	X	-.188	-.188	0	%100
56	M44A	Z	-.109	-.109	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-0.21	-0.21	0	%100
2	M1	Z	-0.364	-0.364	0	%100
3	M2	X	-0.21	-0.21	0	%100
4	M2	Z	-0.364	-0.364	0	%100
5	M13	X	-0.015	-0.015	0	%100
6	M13	Z	-0.026	-0.026	0	%100
7	M14	X	-0.015	-0.015	0	%100
8	M14	Z	-0.026	-0.026	0	%100
9	M15	X	-0.015	-0.015	0	%100
10	M15	Z	-0.026	-0.026	0	%100
11	M16	X	-0.015	-0.015	0	%100
12	M16	Z	-0.026	-0.026	0	%100
13	M17	X	-0.175	-0.175	0	%100
14	M17	Z	-0.303	-0.303	0	%100
15	M18	X	-0.175	-0.175	0	%100
16	M18	Z	-0.303	-0.303	0	%100
17	M19	X	-0.025	-0.025	0	%100
18	M19	Z	-0.043	-0.043	0	%100
19	M20	X	-0.025	-0.025	0	%100
20	M20	Z	-0.043	-0.043	0	%100
21	M21	X	-0.046	-0.046	0	%100
22	M21	Z	-0.079	-0.079	0	%100
23	M22	X	-0.046	-0.046	0	%100
24	M22	Z	-0.079	-0.079	0	%100
25	M23	X	-0.046	-0.046	0	%100
26	M23	Z	-0.079	-0.079	0	%100
27	M24	X	-0.046	-0.046	0	%100
28	M24	Z	-0.079	-0.079	0	%100
29	M25	X	-0.073	-0.073	0	%100
30	M25	Z	-0.126	-0.126	0	%100
31	M26	X	-0.073	-0.073	0	%100
32	M26	Z	-0.126	-0.126	0	%100
33	M27	X	-0.05	-0.05	0	%100
34	M27	Z	-0.087	-0.087	0	%100
35	M28	X	-0.05	-0.05	0	%100
36	M28	Z	-0.087	-0.087	0	%100
37	MP4A	X	-0.232	-0.232	0	%100
38	MP4A	Z	-0.401	-0.401	0	%100
39	MP3A	X	-0.232	-0.232	0	%100
40	MP3A	Z	-0.401	-0.401	0	%100
41	MP2A	X	-0.232	-0.232	0	%100
42	MP2A	Z	-0.401	-0.401	0	%100
43	MP1A	X	-0.232	-0.232	0	%100
44	MP1A	Z	-0.401	-0.401	0	%100
45	M44	X	-0.061	-0.061	0	%100
46	M44	Z	-0.106	-0.106	0	%100
47	M45	X	-0.061	-0.061	0	%100
48	M45	Z	-0.106	-0.106	0	%100
49	M46	X	-0.061	-0.061	0	%100
50	M46	Z	-0.106	-0.106	0	%100
51	M47	X	-0.061	-0.061	0	%100
52	M47	Z	-0.106	-0.106	0	%100
53	M43	X	-0.123	-0.123	0	%100
54	M43	Z	-0.213	-0.213	0	%100
55	M44A	X	-0.012	-0.012	0	%100
56	M44A	Z	-0.021	-0.021	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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**Member Area Loads**

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

**Envelope Joint Reactions**

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N35	max	1315.099	44	1191.671	20	1613.957	21	-.084	2	0	75	.218	38
2		min	-1252.782	26	281.665	65	-69.678	2	-.54	20	0	1	-.218	32
3	N36	max	1315.85	35	1144.762	14	256.032	5	-.112	72	0	75	.206	38
4		min	-1378.27	41	272.521	71	-1661.677	21	-.474	15	0	1	-.209	32
5	N63	max	443.982	6	32.796	18	1469.881	12	0	75	0	75	0	75
6		min	-435.632	12	7.753	74	-1498.03	6	0	1	0	1	0	1
7	N64	max	178.43	2	32.59	20	616.767	2	0	75	0	75	0	75
8		min	-184.865	8	7.755	66	-638.385	8	0	1	0	1	0	1
9	Totals:	max	850.028	10	2364.261	20	1370.884	1						
10		min	-850.029	4	576.953	65	-1370.884	7						

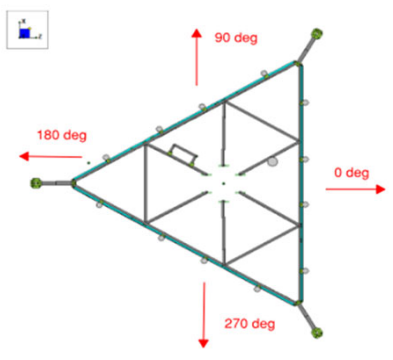
**Envelope AISC 15th(360-16): LRFD Steel Code Checks**

Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	Eqn	
1	M1	PIPE 2.5	.263	8.724	38	.087	3...	7	14558...	50715	3.596	3.596	H1-...	
2	M2	PIPE 2.5	.378	3.255	7	.157	3...	6	14558...	50715	3.596	3.596	H1-...	
3	M13	PL5/8X3.5	.202	.422	23	.229	.422	y	11	66184...	6890...	.897	5.024	H1-...
4	M14	PL5/8X3.5	.219	0	31	.061	0	y	24	66184...	6890...	.897	5.024	H1-...
5	M15	PL5/8X3.5	.237	0	43	.150	.422	y	8	66184...	6890...	.897	5.024	H1-...
6	M16	PL5/8X3.5	.169	0	1	.100	0	y	7	66184...	6890...	.897	5.024	H1-...
7	M17	PIPE 2.0	.231	0	11	.066	0		18	31128...	32130	1.872	1.872	H1-...
8	M18	PIPE 2.0	.083	2.501	33	.078	0		20	31128...	32130	1.872	1.872	H1-...
9	M19	PIPE 2.0	.144	0	8	.083	0		44	31128...	32130	1.872	1.872	H1-...
10	M20	PIPE 2.0	.105	0	7	.061	0		37	31128...	32130	1.872	1.872	H1-...
11	M21	PL5/8X3.5	.374	.531	35	.106	.443	y	11	67591...	6890...	.897	5.024	H1-...
12	M22	PL5/8X3.5	.335	.531	38	.051	.443	y	39	67591...	6890...	.897	5.024	H1-...
13	M23	PL5/8X3.5	.352	.531	32	.058	0	y	20	67591...	6890...	.897	5.024	H1-...
14	M24	PL5/8X3.5	.377	.531	45	.109	0	y	8	67591...	6890...	.897	5.024	H1-...
15	M25	SR 0.75	.000	0	75	.010	0		8	2863.9...	1391...	.174	.174	H1-...
16	M26	SR 0.75	.073	0	32	.014	0		31	2863.9...	1391...	.174	.174	H1-...
17	M27	SR 0.75	.000	0	75	.014	0		2	2863.9...	1391...	.174	.174	H1-...
18	M28	SR 0.75	.070	4.167	38	.016	4...		47	2863.9...	1391...	.174	.174	H1-...
19	MP4A	PIPE 2.0	.414	3.583	7	.126	3...		7	14916...	32130	1.872	1.872	H1-...
20	MP3A	PIPE 2.0	.245	3.583	7	.040	3...		1	14916...	32130	1.872	1.872	H1-...
21	MP2A	PIPE 2.0	.208	3.583	7	.079	6...		8	14916...	32130	1.872	1.872	H1-...
22	MP1A	PIPE 2.0	.420	3.583	42	.071	3...		7	14916...	32130	1.872	1.872	H1-...
23	M44	SR 0.625	.101	0	1	.013	0		33	2158.31	9664...	.101	.101	1 H1-...
24	M45	SR 0.625	.041	1.667	8	.015	0		1	2158.31	9664...	.101	.101	H1-...
25	M46	SR 0.625	.036	1.667	6	.017	0		7	2158.31	9664...	.101	.101	H1-...
26	M47	SR 0.625	.050	1.667	1	.014	0		41	2158.31	9664...	.101	.101	1 H1-...
27	M43	PIPE 2.0	.066	5.199	12	.003	0		23	23235...	32130	1.872	1.872	H1-...
28	M44A	PIPE 2.0	.028	5.199	2	.003	5...		21	23235...	32130	1.872	1.872	H1-...

**I. Mount-to-Tower Connection Check**

Custom Orientation Required  Yes

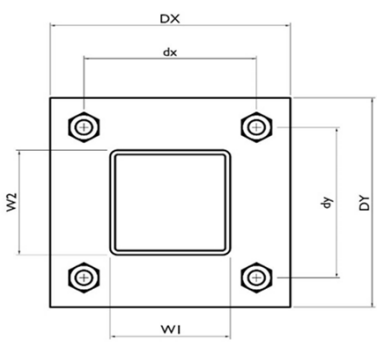
Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
n36	180
n35	180



Tower Connection Bolt Checks  Yes

Bolt Orientation  Parallel

Bolt Quantity per Reaction:	4
$d_x$ (in) (Delta X of typ. bolt config. sketch):	9.5
$d_y$ (in) (Delta Y of typ. bolt config. sketch):	3.5
Bolt Type:	J429 Gr.2
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	1.3
Required Shear Strength / bolt (kips):	0.3
Tensile Capacity / bolt (kips):	12.8
Shear Capacity / bolt (kips):	7.7
Bolt Overall Utilization:	<b>10.4%</b>



Tower Connection Baseplate Checks  No

Tower Connection Weld Checks  No