



Crown Castle  
3 Corporate Park Drive, Suite 101  
Clifton Park, NY 12065

September 26, 2023

Melanie A. Bachman  
Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

RE: **Notice of Exempt Modification for Verizon  
Crown #876379\_Crown\_VZW  
1440 Main Street North, Woodbury, CT 06798  
Latitude: 41° 35' 23.81"/ Longitude: -73° 10' 11.52"**

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 1440 Main Street North, Woodbury, CT 06798. The property is owned by Tikva Wolff and the tower is owned by Crown Castle. Verizon now intends to add one (1) interference mitigation filter to be installed at the 151-foot level of the tower of the 160-foot monopole. This modification may include B2, B5, B17, B14, B29, B30, B66 & n77 hardware that is 4G(LTE) and/or 5GNR capable through remote software configuration and either or both services may be turned on or off at various times.

**Panned Modification:**

**Tower:**

Installed New:

(1) Kaelus BSF0020F3V1-1 Twin Bandstop 900MHZ Interference Mitigation Filter

The proposed work in this application only pertains to the installation of interference mitigation filter(s) and does not involve any additional equipment that may be called out in the Mount Analysis and/or in Table 1 of the Structural Analysis Reports.

The facility was approved by the Town of Woodbury Zoning Commission on August 10, 1999. The approval was given with conditions which this exempt modification complies with. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-SOj-73, a copy of this letter is being sent to First Selectman Barbara Perkinson and Town Planner William Agresta for the Town of Woodbury. A copy is also being sent to Tikva Wolff as the property owner and Crown Castle is the tower owner. The proposed modifications will not result in an increase in the height of the existing tower.

1. The proposed modifications will not require the extension of the site boundary.
2. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

The Foundation for a Wireless World.  
CrownCastle.com

Melanie A. Bachman

Page 2

3. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.
4. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
5. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, Verizon respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2). Please send approval/rejection letter to Attn: Domenica Tatasciore.

Sincerely,



Domenica Tatasciore  
Site Acquisition Specialist  
1800 W. Park Drive  
Westborough, MA 01581  
(508) 621-9161/ Domenica.Tatasciore@crowncastle.com

#### Attachments

cc:

Barbara Perkinson, First Selectman  
Town of Woodbury  
281 Main St. South  
Woodbury, CT 06798  
203-263-2141

William Agresta, Town Planner  
Town of Woodbury  
281 Main St. South  
Woodbury, CT 06798  
203-263-3467

Tikva Wolff, Property Owner  
1514 Main Street North  
Woodbury, CT 06798  
203-263-2294

Crown Castle, Tower Owner

**From:** [TrackingUpdates@fedex.com](mailto:TrackingUpdates@fedex.com)  
**To:** [Tatasciore, Domenica](#)  
**Subject:** FedEx Shipment 773381182786: Your package has been delivered  
**Date:** Tuesday, September 26, 2023 10:03:41 AM

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Hi. Your package was  
delivered Tue, 09/26/2023 at  
9:56am.



Delivered to 281 MAIN ST S, WOODBURY, CT 06798

**OBTAIN PROOF OF DELIVERY**

How was your delivery ?



<b>TRACKING NUMBER</b>	<a href="#">773381182786</a>
<b>FROM</b>	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
<b>TO</b>	Town of Woodbury Barbara Perkinson, First Selectman 281 Main St. South WOODBURY, CT, US, 06798
<b>REFERENCE</b>	799001.7680
<b>SHIPPER REFERENCE</b>	799001.7680
<b>SHIP DATE</b>	Mon 9/25/2023 05:35 PM
<b>PACKAGING TYPE</b>	FedEx Envelope
<b>ORIGIN</b>	WESTBOROUGH, MA, US, 01581
<b>DESTINATION</b>	WOODBURY, CT, US, 06798
<b>NUMBER OF PIECES</b>	1
<b>TOTAL SHIPMENT WEIGHT</b>	0.50 LB
<b>SERVICE TYPE</b>	FedEx Priority Overnight

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How was your delivery ?



<b>TRACKING NUMBER</b>	<a href="#">773381215781</a>
<b>FROM</b>	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
<b>TO</b>	Town of Woodbury William Agresta, Town Planner 281 Main St. South WOODBURY, CT, US, 06798
<b>REFERENCE</b>	799001.7680
<b>SHIPPER REFERENCE</b>	799001.7680
<b>SHIP DATE</b>	Mon 9/25/2023 05:35 PM
<b>PACKAGING TYPE</b>	FedEx Envelope
<b>ORIGIN</b>	WESTBOROUGH, MA, US, 01581
<b>DESTINATION</b>	WOODBURY, CT, US, 06798
<b>NUMBER OF PIECES</b>	1
<b>TOTAL SHIPMENT WEIGHT</b>	2.00 LB
<b>SERVICE TYPE</b>	FedEx Priority Overnight

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**Subject:** FedEx Shipment 773381242190: Your package has been delivered  
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Hi. Your package was  
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9:32am.



Delivered to 1514 MAIN ST N, WOODBURY, CT 06798

**OBTAIN PROOF OF DELIVERY**



Delivery picture not showing? [View](#) in browser.

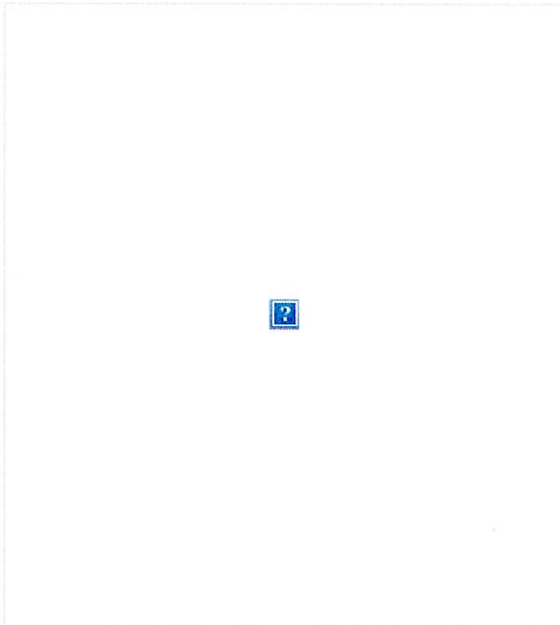
## How was your delivery ?



<b>TRACKING NUMBER</b>	<a href="#">773381242190</a>
<b>FROM</b>	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
<b>TO</b>	Tikva Wolff 1514 Main Street North WOODBURY, CT, US, 06798
<b>REFERENCE</b>	799001.7680
<b>SHIPPER REFERENCE</b>	799001.7680
<b>SHIP DATE</b>	Mon 9/25/2023 05:35 PM
<b>DELIVERED TO</b>	Residence
<b>PACKAGING TYPE</b>	FedEx Envelope
<b>ORIGIN</b>	WESTBOROUGH, MA, US, 01581
<b>DESTINATION</b>	WOODBURY, CT, US, 06798



<b>SPECIAL HANDLING</b>	Residential Delivery
<b>NUMBER OF PIECES</b>	1
<b>TOTAL SHIPMENT WEIGHT</b>	0.50 LB
<b>SERVICE TYPE</b>	FedEx Priority Overnight



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FOLLOW FEDEX



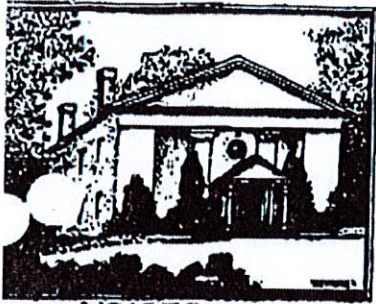
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All weights are estimated.

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## Zoning Commission

P.O. Box 369

Town of Woodbury - Woodbury, Connecticut 06798-0369

First land deed from the Indians

April 12<sup>th</sup> 1659

Telephone: (203) 263-3467

Fax: (203) 263-5076

### VOICES

Middle Quarter Mall  
Main Street South  
Woodbury, CT 06798

Kindly publish the following legal notice in VOICES on Sunday, August 22, 1999. The invoice should be sent to the Accounting Office, 281 Main Street S. Box #369, Woodbury, CT 06798 with a tear-sheet copy for the Town Planner's Office.

### LEGAL NOTICE

At its regular meeting held on Tuesday, August 10, 1999, the Woodbury Zoning Commission took the following actions:

X APPROVED: With conditions, Application #969 submitted by Sprint Spectrum, LP, d/b/a Sprint PCS to construct a radio tower/wireless telecommunications facility at 1440 Main St. N., Richard Wolff, property owner. (Map 12/Lot 54)

APPROVED: With conditions, Application #973 submitted by Watertown Fire District for an Earth Materials Permit for gravel excavation from Nonnewaug River, Hart Farm Wellfield on Rte. 61. (Map 14/Lots 10, 32, 32A -B, 33)

DENIED: To deny without prejudice Application #971 for lack of information submitted by Woodbury Fire Dept. for Earth Materials Permit for a fire pond at 274 Grassy Hill Rd., Richard Wolff, property owner. (Map 64/Lot 12).

APPROVED: With conditions, Application #976 submitted by Flanders Nature Center, Inc. for a Special Permit to hold a fall festival at the Van Vleck Farm Sanctuary on Flanders Rd and Church Hill Rd on October 3, 1999. (Map 96/Lots 21, 22, 23)

Dated this 20<sup>th</sup> day of August, 1999.

  
Sue Bartlett, Admin. Asst.

A letter of 8/10/99 from Ken Faroni of O & G was submitted granting a 65-day extension.

(Tietz unseated, Alt. Leach seated)  
#969/Sprint Spectrum/Wolff/1440 Main St. N/Wireless TeleComm. Facility

**MOTION:**

WHEREAS, the WOODBURY ZONING COMMISSION has received Application #969 submitted by Sprint Spectrum, L.P., d/b/a Sprint PCS for a Special Permit pursuant to Section 5.2.4 of the Woodbury Zoning Regulations to construct a radio tower/wireless telecommunications facility and associated radio equipment on property owned by Richard Wolff at 1440 Main Street North (Tax Assessor's Map 12/Lot 54); and

WHEREAS, members of the Commission inspected the site at a duly noticed special meeting on July 6, 1999; and

WHEREAS, a duly called public hearing was held June 22, 1999 and July 13, 1999 to consider the application and to receive public comments; and

WHEREAS, the Commission has carefully considered all the information and testimony received during the duly called public hearing; and

WHEREAS, the Commission has determined that the proposed radio tower/telecommunications facility and associated radio equipment are in conformance with Section 5.2.4 of the Woodbury Zoning Regulations after conditions 6 and 7 below, are met;

NOW THEREFORE BE IT RESOLVED that the WOODBURY ZONING COMMISSION approves Application #969 submitted by Sprint Spectrum, L.P., d/b/a Sprint PCS for a Special Permit pursuant to Section 5.2.4 of the Woodbury Zoning Regulations to construct a radio tower/telecommunications facility and associated radio equipment on property owned by Richard Wolff at 1440 Main Street North (Tax Assessor's Map 12/Lot 54) as depicted on the site plans and accompanying materials dated June 17, 1999, with the following conditions:

1. A final site development plan, annotated with all conditions herein, shall be filed with the Town Planner prior to commencement of construction;
2. An itemized estimate of costs for soil erosion and sedimentation control, screening, landscaping, and tower removal and site restoration must be provided to the Woodbury Town Planner (Town Planner) for determination of an appropriate bond and such bond shall be posted in a form and amount determined by the Town Planner, prior to commencement of construction;
3. The Town Planner shall be notified 48 hours prior to commencement of construction to permit inspection of soil erosion and sedimentation control devices;

4. The tower and enclosure area shall be designed to accommodate up to six providers of telecommunications services, with all ground equipment enclosed in a single building and the enclosure secured and screened in manner that is architecturally compatible with surrounding farm;
5. All electric and telephone service to the tower and building shall be installed below ground.
6. The galvanized steel tower shall not exceed 160 feet above grade in height, shall have no lights above the height of the building, screening, or fence, and shall not be painted. Any future extension of the tower to accommodate additional antennas or addition of any facilities other than shown on the approved site plan shall require an amendment to this Special Permit as provided in Section 10.6 of the Woodbury Zoning Regulations, however, an extension of the tower from 160 feet to 190 feet shall be deemed to be of a minor nature;
7. The tower shall be located no closer than 190 feet from any property line along Main Street North and Swamp Road.
8. Sprint shall use best efforts to make the tower available to other telecommunications carriers and promote co-location on this tower on a commercially reasonable basis;
9. In the event the wireless telecommunications facility ceases to be used by Sprint PCS or any bona fide tenant providers of telecommunication services for a period of a year, the tower and all associated equipment and structures shall be removed by Sprint PCS within 90 days.;
10. Construction shall not commence until all applicable appeal periods have terminated and this permit will expire if construction is not completed by August 10, 2001; and
11. An A2, as-built survey shall be filed with the Town Planner upon completion of construction.

Made by Kelly, seconded by Alt. Leach.  
Vote 5-0 in favor.

(Tietz unseated, Alt. Leach seated)

#973/Watertown Fire District/Hart Farm Wellfield/Rte 61/EM Permit  
MOTION:

WHEREAS, the WOODBURY ZONING COMMISSION has received Application #973 submitted by the Watertown Fire District for an Earth Materials Permit pursuant to Section 15.3 of the Woodbury Zoning Regulations to excavate up to 4500 cubic yards of gravel from the Nonnewaug River (Tax Assessor's Map 14/Lots 10, 32, 32A, 32B, 33); and

WHEREAS, the Woodbury Inland Wetlands Agency approved the regulated activity on August 9, 1999; and

WHEREAS, a duly called public hearing was held July 27, 1999 and August 10, 1999 to consider the application and to receive public comments; and





Property Information

Property Location	1440 MAIN ST NORTH
Mailing Address	4017 WASHINGTON ROAD MCMURRAY PA 15317
Land Use	Utility Building
Zoning Code	OS60
Neighborhood	26

Owner	WOLFF TIKVA
Co-Owner	
Book / Page	0384/1171
Land Class	Industrial
Census Tract	3621
Acreage	1.38

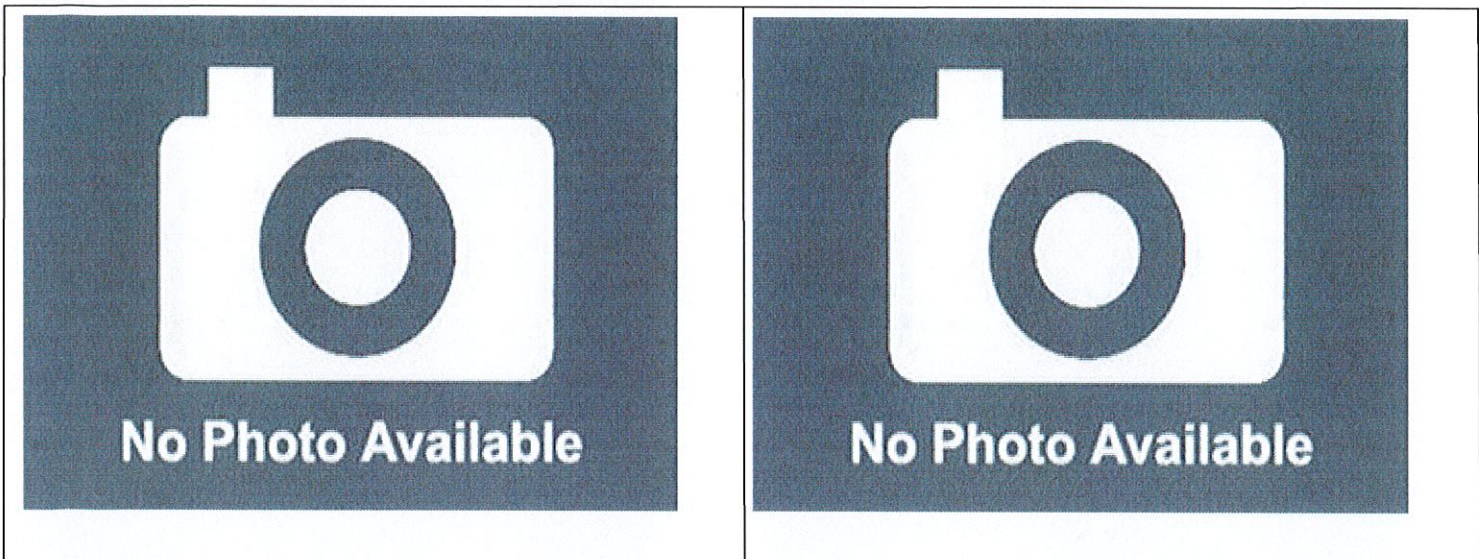
Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	0	0
Outbuildings	384068	268850
Land	131100	91770
Total	515168	0

Utility Information

Electric	No
Gas	No
Sewer	No
Public Water	No
Well	No



Primary Construction Details

Year Built	
Building Desc.	
Building Style	
Stories	
Exterior Walls	
Exterior Walls 2	
Interior Walls	
Interior Walls 2	
Interior Floors 1	
Interior Floors 2	

Heating Fuel	
Heating Type	
AC Type	
Bedrooms	
Full Bathrooms	
Half Bathrooms	
Extra Fixtures	
Total Rooms	
Bath Style	
Kitchen Style	
Occupancy	

Building Use	
Building Condition	
Frame Type	
Fireplaces	
Bsmt Gar	
Fin Bsmt Area	
Fin Bsmt Quality	
Building Grade	
Roof Style	
Roof Cover	

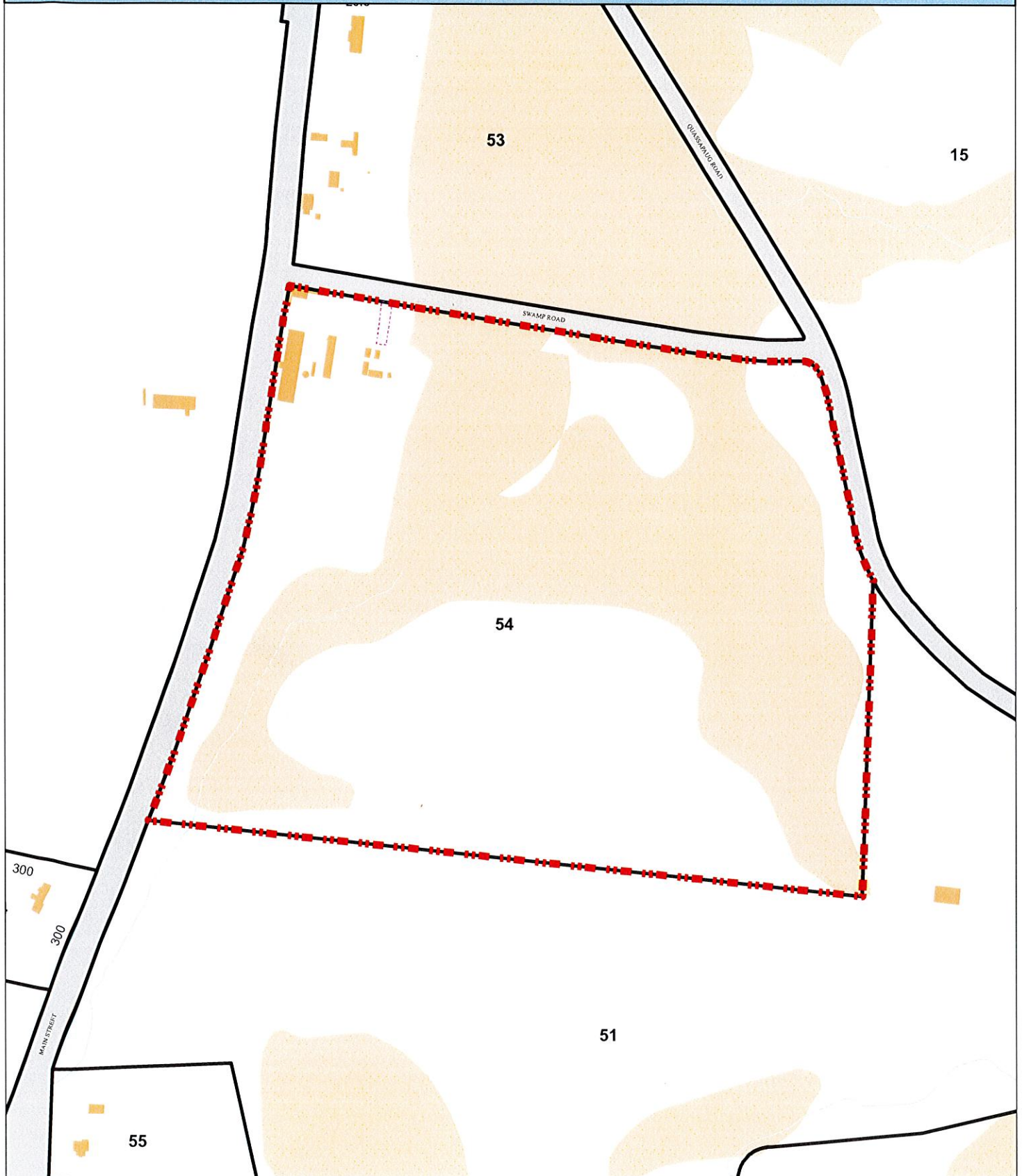
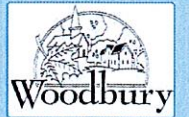




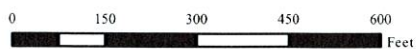
Town of Woodbury, Connecticut - Assessment Parcel Map

Parcel: 012-054

Address: 1440 MAIN ST NORTH



Approximate Scale: 1 inch = 300 feet



Disclaimer: This map is for informational purposes only.  
All information is subject to verification by any user.  
The Town of Woodbury and its mapping contractors assume no legal responsibility for the information contained herein.

Map Produced:  
8/2/2023





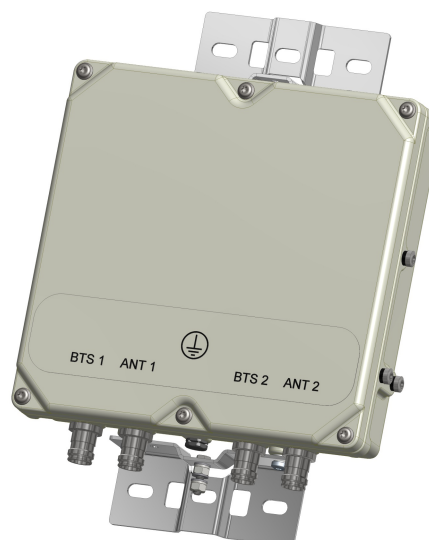
# BSF0020F3V1-1

## TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The BSF0020 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the BSF0020 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the BSF0020 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.

### FEATURES

- Passes full 700 and 850 bands
- Low insertion loss
- Rejection of 900MHz uplink
- DC/AISG pass
- Twin unit
- Dual twin mounting available



### TECHNICAL SPECIFICATIONS

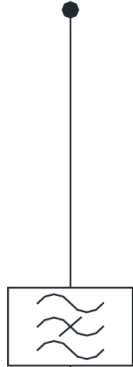
BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	
<b>ELECTRICAL</b>		
Impedance	50Ohms	
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm	
<b>DC / AISG</b>		
Passband	0 - 13MHz	
Insertion loss	0.3dB maximum	
Return loss	15dB minimum	
Input voltage range	± 33V	
DC current rating	2A continuous, 4A peak	
Compliance	3GPP TS 25.461	
<b>ENVIRONMENTAL</b>		
For further details of environmental compliance, please contact Kaelus.		
Temperature range	-20°C to +60°C   -4°F to +140°F	
Ingress protection	IP67	
Altitude	2600m   8530ft	
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.	
MTBF	>1,000,000 hours	
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE	
<b>MECHANICAL</b>		
Dimensions H x D x W	269 x 277 x 80mm   10.60 x 10.90 x 3.15in (Excluding brackets and connectors)	
Weight	8.0 kg   17.6 lbs (no bracket)	
Finish	Powder coated, light grey (RAL7035)	
Connectors	RF: 4.3-10 (F) x 4	
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.	

## ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM

ANT1



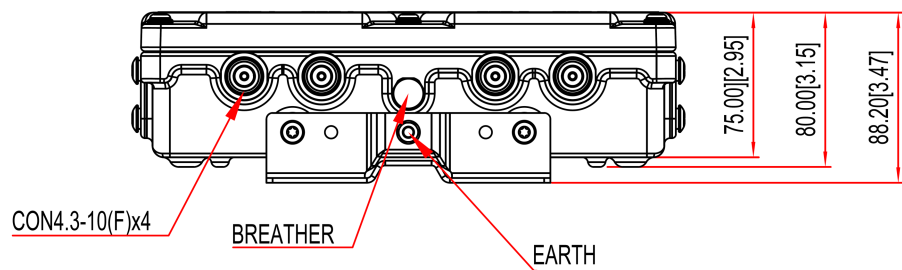
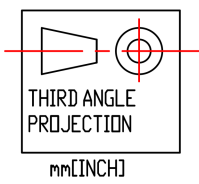
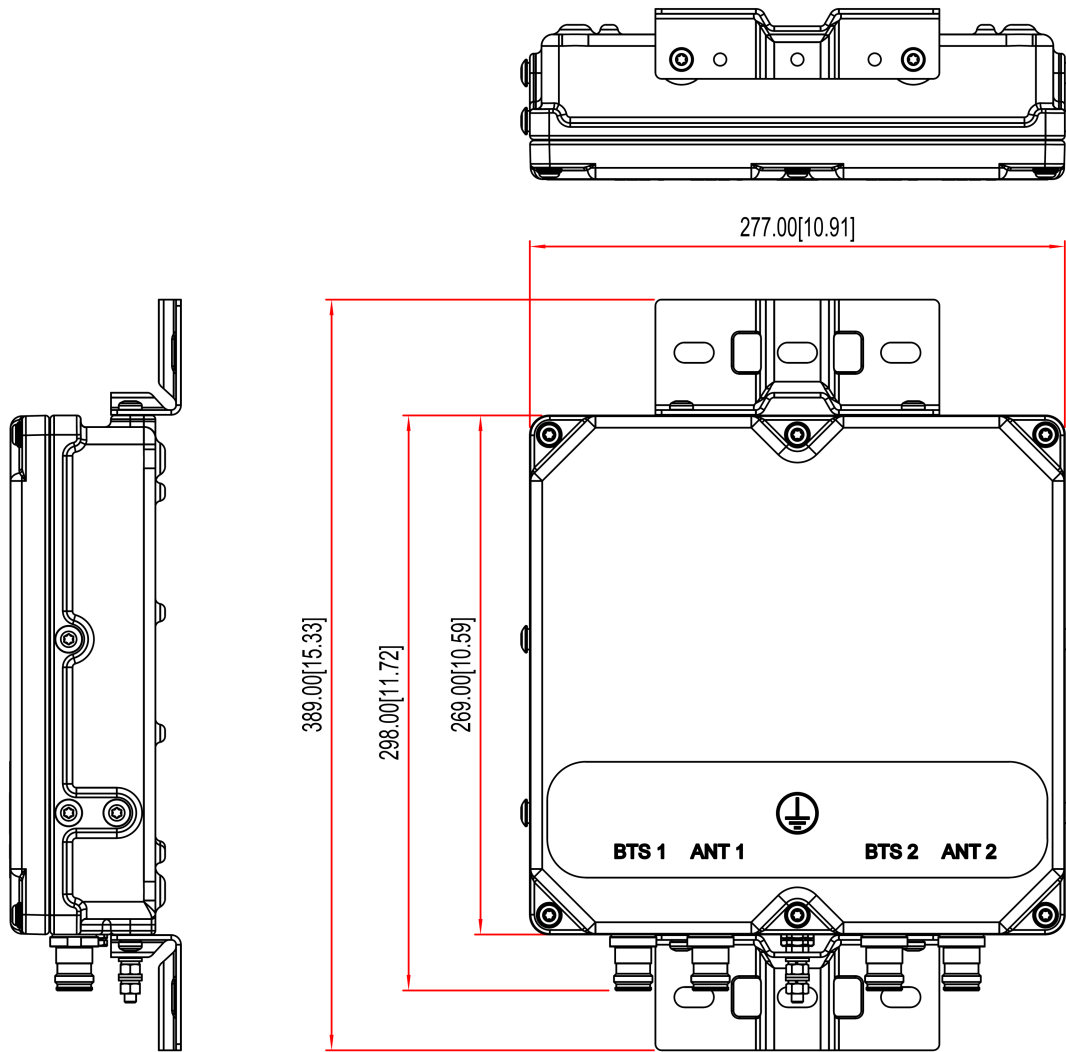
BTS1

ANT2



BTS2

MECHANICAL BLOCK DIAGRAM







Colliers Engineering & Design CT, PC  
1055 Washington Boulevard  
Stamford, CT 06901  
203.324.0800  
peter.albano@collierseng.com

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## Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10206439  
Colliers Engineering & Design CT, PC Project #: 23777091 (Rev. 1)

July 10, 2023

### Site Information

Site ID: 5000244828-VZW / WOODBURY N CT  
Site Name: WOODBURY N CT  
Carrier Name: Verizon Wireless  
Address: 1440 Main Street  
Woodbury, Connecticut 06798  
Litchfield County  
Latitude: 41.589947°  
Longitude: -73.169867°

### Structure Information

Tower Type: 200-Ft Monopole  
Mount Type: 14.50-Ft Platform

FUZE ID # 17123856

### Analysis Results

Platform: 60.6% Pass\*

**\*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: Frank Centone



**Executive Summary:**

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

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

**Sources of Information:**

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 325192, dated May 17, 2021
Mount Mapping Report	RKS Design & Engineering LLC, Site ID: 876379, dated July 9, 2021
Previous Post Modification Inspection	Maser Consulting Connecticut, Project #: 21777330A, dated December 23, 2021
Filter Add Scope	Provided by Verizon Wireless

**Analysis Criteria:**

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), $V_{ULT}$ : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, $K_e$ : 0.982
Seismic Parameters:	$S_s$ : 0.190 g $S_1$ : 0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Load, $L_v$ : 250 lbs. Maintenance Load, $L_m$ : 500 lbs.
Analysis Software:	RISA-3D (V17)

**Final Loading Configuration:**

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
148.00	150.00	3	Samsung	MT6407-77A	Retained
		6	Andrew	SBNHH-1D65B	
		6	Antel	LPA-80080/6CF	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RRFDC-3315-PF-48	
		1	Raycap	RRFDC-3315-PF-48*	
		2	Kaelus	BSF0020F3V1-1	Added

\* Equipment is flush mounted directly to the Monopole. They are not mounted on the platform mount and are not included in this mount analysis.

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

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

**Standard Conditions:**

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design 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 Colliers Engineering & Design to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped 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. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
  - o Channel, Solid Round, Angle, Plate      ASTM A36 (Gr. 36)
  - o HSS (Rectangular)                              ASTM 500 (Gr. B-46)
  - o Pipe    ASTM A53 (Gr. B-35)
  - o Threaded Rod                                      F1554 (Gr. 36)
  - o Bolts     ASTM A325

**Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design.**

**Analysis Results:**

Component	Utilization %	Pass/Fail
Standoff	9.9 %	Pass
Main Channel	28.1 %	Pass
Side Angles	19.8 %	Pass
Side Channel	20.9 %	Pass
Standoff Plate	27.4 %	Pass
Cross Member HSS	21.7 %	Pass
Face Horizontal	53.7 %	Pass
FH Plates	36.1 %	Pass
Antenna Pipe	60.6 %	Pass
Support Rail	25.9 %	Pass
Corner Bracket	28.6 %	Pass
V-Bracing	15.7 %	Pass
Mount Connection	35.2 %	Pass

<b>Structure Rating – (Controlling Utilization of all Components)</b>	<b>60.6%</b>
---	--------------

**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	49.0	48.0	65.8	64.7
0.5	61.7	63.5	87.3	85.4
1	73.8	75.7	106.5	104.6

**Notes:**

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 0 sector(s).
- Ka factors included in (EPA)a calculations



### **Requirements:**

The existing mount is **SUFFICIENT** for the final loading configuration shown in attachment 2 and do not require modifications. Additional requirements are noted below.

If 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. Separate review fees will apply.

### **Attachments:**

1. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Photos
4. Mount Mapping Report (for reference only)
5. Analysis Calculations

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

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

Passing Mount Analysis requires a PMI due to a modification in loading.

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

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

---

MDG #: 5000244828

SMART Project #: 10206439

Fuze Project ID:

**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.vzsmart.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. 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.

**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:**

**Response:**

**Special Instruction Confirmation:**

- The contractor has read and acknowledges the above special instructions.
- All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.
- The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

The material utilized was approved by a SMART Tool engineering vendor as an “equivalent” and this approval is included as part of the contractor submission.

**Comments:**

--

**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:**

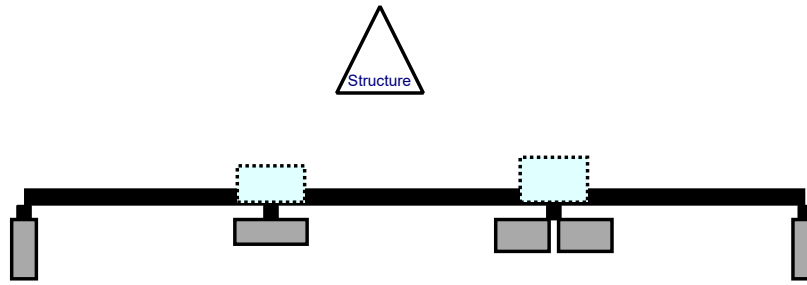
Safety Climb in Good Condition                       Safety Climb Damaged

**Certifying Individual:**

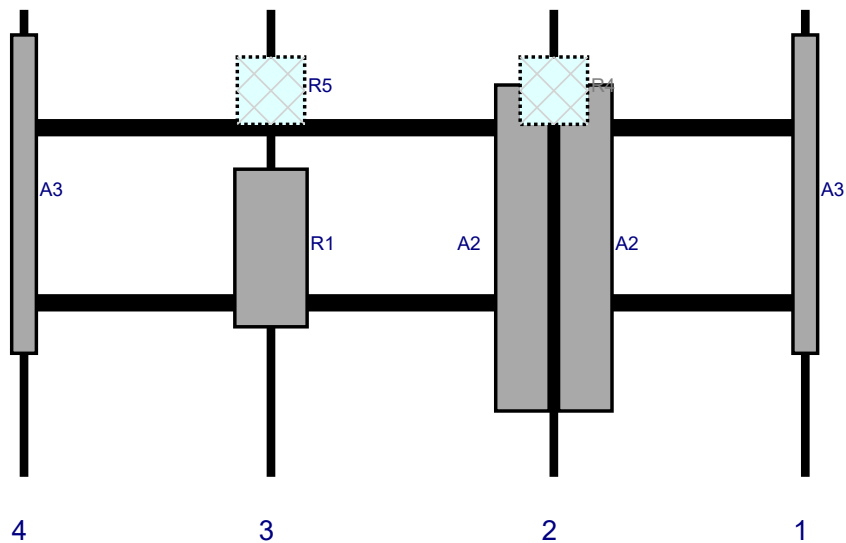
Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	



Plan View

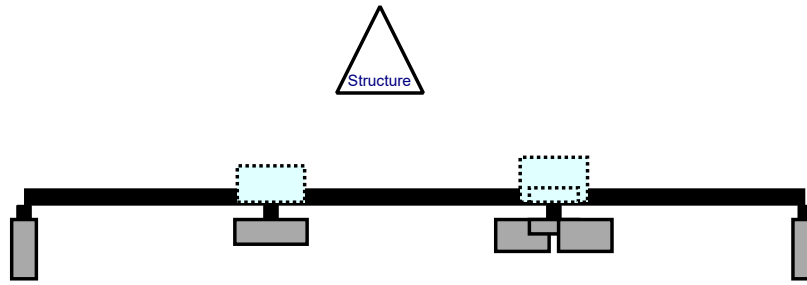


Front View - Looking at Structure

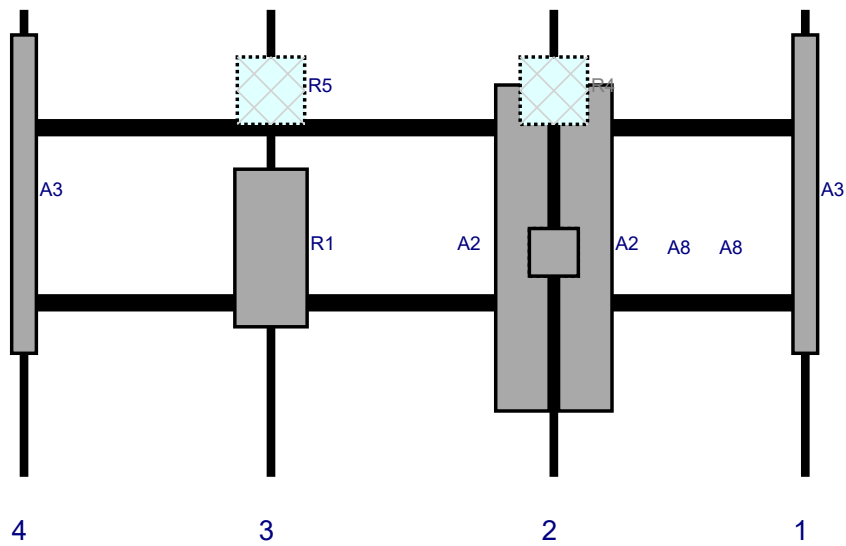


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LPA-80080/6CF ___	70.9	5.5	174	1	a	Front	41.04	0	Retained	12/08/2021
A2	SBNHH-1D65B	72.6	11.9	118	2	a	Front	53.04	7	Retained	12/08/2021
A2	SBNHH-1D65B	72.6	11.9	118	2	b	Front	53.04	-7	Retained	12/08/2021
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	118	2	a	Behind	18	0	Retained	12/08/2021
R1	MT6407-77A	35.1	16.1	55	3	a	Front	53.04	0	Retained	12/08/2021
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	55	3	a	Behind	18	0	Retained	12/08/2021
A3	LPA-80080/6CF ___	70.9	5.5		4	a	Front	41.04	0	Retained	12/08/2021
OVP	RxxDC-3315-PF-48	29.5	16.5			Member				Retained	12/08/2021

Plan View

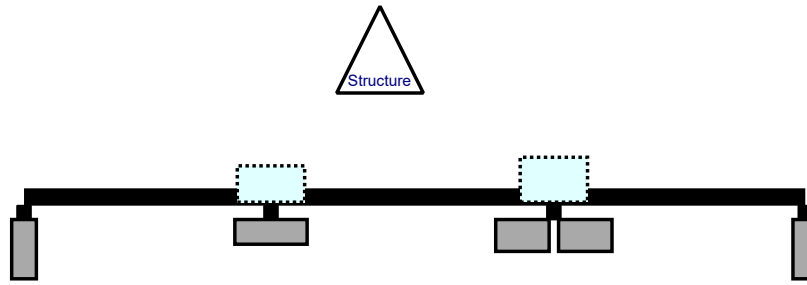


Front View - Looking at Structure

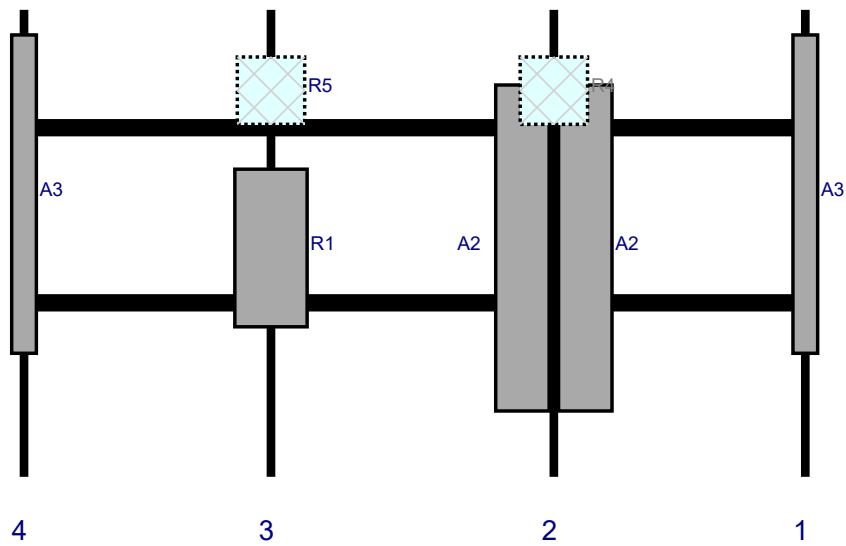


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LPA-80080/6CF ___	70.9	5.5	174	1	a	Front	41.04	0	Retained	12/08/2021
A2	SBNHH-1D65B	72.6	11.9	118	2	a	Front	53.04	7	Retained	12/08/2021
A2	SBNHH-1D65B	72.6	11.9	118	2	b	Front	53.04	-7	Retained	12/08/2021
R4	B2/B66A RRR-BR049 (RFV01U-D1A)	15	15	118	2	a	Behind	18	0	Retained	12/08/2021
A8	BSF0020F3V1-1	10.6	10.9	118	2	a	Behind	54	0	Added	
A8	BSF0020F3V1-1	10.6	10.9	118	2	b	Front	54	0	Added	
R1	MT6407-77A	35.1	16.1	55	3	a	Front	53.04	0	Retained	12/08/2021
R5	B5/B13 RRR-BR04C (RFV01U-D2A)	15	15	55	3	a	Behind	18	0	Retained	12/08/2021
A3	LPA-80080/6CF ___	70.9	5.5		4	a	Front	41.04	0	Retained	12/08/2021

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LPA-80080/6CF ___	70.9	5.5	174	1	a	Front	41.04	0	Retained	12/08/2021
A2	SBNHH-1D65B	72.6	11.9	118	2	a	Front	53.04	7	Retained	12/08/2021
A2	SBNHH-1D65B	72.6	11.9	118	2	b	Front	53.04	-7	Retained	12/08/2021
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	118	2	a	Behind	18	0	Retained	12/08/2021
R1	MT6407-77A	35.1	16.1	55	3	a	Front	53.04	0	Retained	12/08/2021
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	55	3	a	Behind	18	0	Retained	12/08/2021
A3	LPA-80080/6CF ___	70.9	5.5		4	a	Front	41.04	0	Retained	12/08/2021





### Antenna Mount Mapping Form (PATENT PENDING)

FCC #  
UNKNOWN

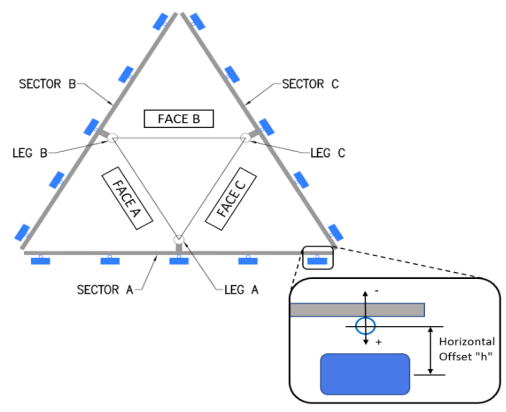
<b>Tower Owner:</b>	CROWN CASTLE	<b>Mapping Date:</b>	7/9/2021
<b>Site Name:</b>	CC : N WOODBURY/ WOLFF PARCEL; VZW : WOODBURY N CT	<b>Tower Type:</b>	Monopole
<b>Site Number or ID:</b>	CC : 876379	<b>Tower Height (Ft.):</b>	UNKNOWN
<b>Mapping Contractor:</b>	RKS Design & Engineering, LLC	<b>Mount Elevation (Ft.):</b>	148.1

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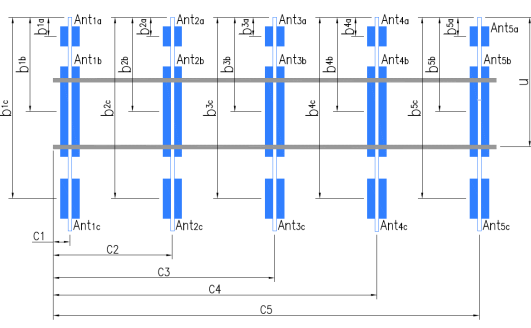
Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375"Ø x 0.15" x 72" LONG	65.25		C1	PIPE 2.375"Ø x 0.15" x 72" LONG	65.25	
A2	PIPE 2.375"Ø x 0.15" x 104" LONG	65.25	57.50	C2	PIPE 2.375"Ø x 0.15" x 104" LONG	65.25	57.50
A3	PIPE 2.375"Ø x 0.15" x 104" LONG	65.25	117.50	C3	PIPE 2.375"Ø x 0.15" x 104" LONG	65.25	117.50
A4	PIPE 2.375"Ø x 0.15" x 72" LONG	65.25	177.50	C4	PIPE 2.375"Ø x 0.15" x 72" LONG	65.25	177.50
A5				C5			
A6				C6			
B1	PIPE 2.375"Ø x 0.15" x 72" LONG	65.25		D1			
B2	PIPE 2.375"Ø x 0.15" x 104" LONG	65.25	57.50	D2			
B3	PIPE 2.375"Ø x 0.15" x 104" LONG	65.25	117.50	D3			
B4	PIPE 2.375"Ø x 0.15" x 72" LONG	65.25	177.50	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :		
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :		5.5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :		3.5
Please enter additional information or comments below.		
Tower Face Width at Mount Elev. (ft.):		
Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):		
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.		36.7



Ants. Items	Enter antenna model. If not labeled, enter "Unknown".					Mounting Locations [Units are inches and degrees]			Photos of antennas	
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b <sub>1a</sub> , b <sub>2a</sub> , b <sub>3a</sub> , b <sub>1b</sub> ,..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)		Antenna Azimuth (Degrees)
<b>Sector A</b>										
Ant <sub>1a</sub>										
Ant <sub>1b</sub>	LPA-80080/6CF E-DIN	5.51	13.19	70.87		150.663	34.50	15.50	100.00	6,409
Ant <sub>1c</sub>										
Ant <sub>2a</sub>	B13 RRH 4X30	11.80	7.50	20.90		151.167	28.45	-5.25		6,409
Ant <sub>2b</sub>	SBNHH-1D65B	11.90	7.10	72.00		149.538	48.00	8.55	100.00	6,409
Ant <sub>2c</sub>										
Ant <sub>3a</sub>										
Ant <sub>3b</sub>	SBNHH-1D65B	11.90	7.10	72.00		149.538	48.00	8.55	100.00	6,407
Ant <sub>3c</sub>										
Ant <sub>4a</sub>										
Ant <sub>4b</sub>	LPA-80080/6CF E-DIN	5.51	13.19	70.87		150.663	34.50	15.50	100.00	6,407
Ant <sub>4c</sub>										
Ant <sub>5a</sub>										
Ant <sub>5b</sub>										
Ant <sub>5c</sub>										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										



Antenna Layout (Looking Out From Tower)





**Observed Safety and Structural Issues During the Mount Mapping**

Issue #	Description of Issue	Photo #
1	COAX TOTAL (14): (6) FH 1 5/8,(6) FH 1 5/8 CUT, (2) 1.43"Ø HYBRID	
2		
3		
4		
5		
6		
7		
8		

**Observed Obstructions to Tower Lighting System**

If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.		Photo #
Description of Obstruction:		
Type of Light:	Photo #	Additional Comments:
Lighting Technology:	Photo #	
Elevation (AGL) at base of light (Ft.):	Photo #	
Is a service loop available?	Photo #	
Is beacon installed on an extension?	Photo #	

**Mapping Notes**

1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.
3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.
5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
6. Please measure and report the size and length of all existing antenna mounting pipes.
7. Please measure and report the antenna information for all sectors.
8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

**Standard Conditions**

1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.



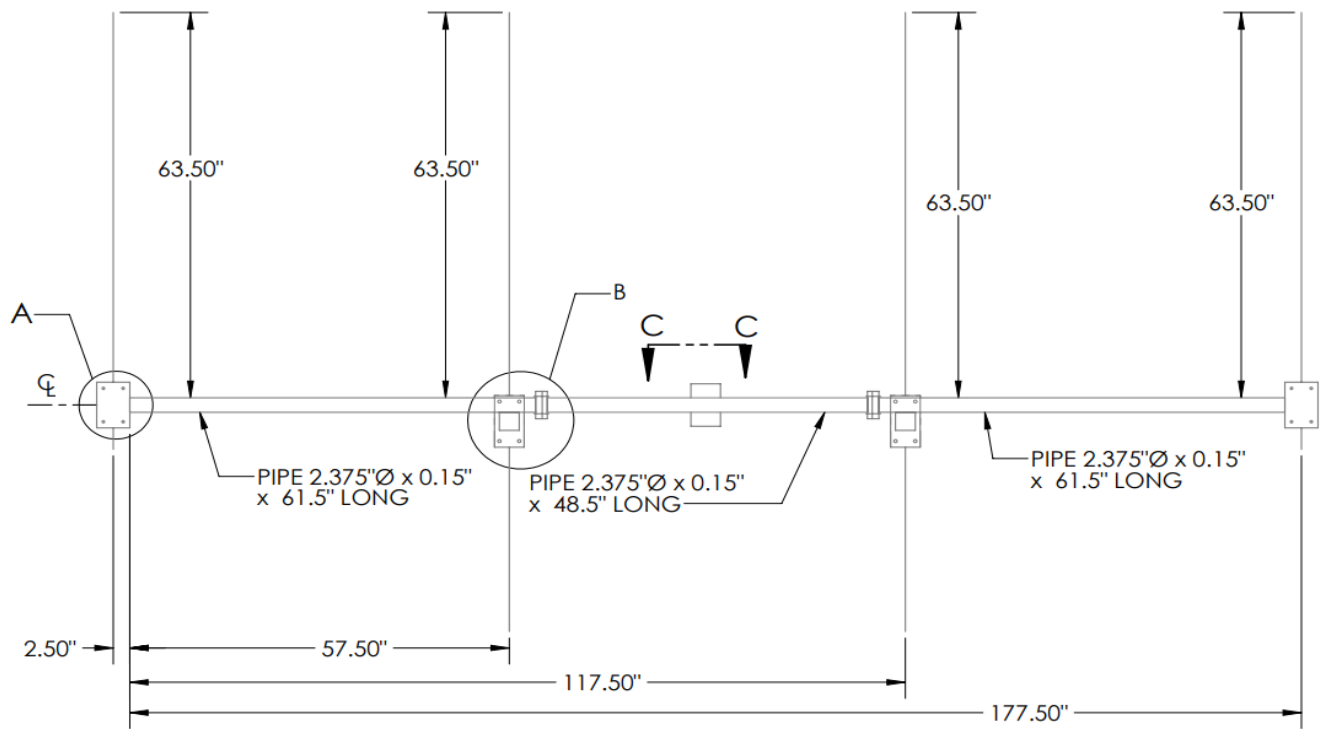
### Antenna Mount Mapping Form (PATENT PENDING)

FCC #  
UNKNOWN

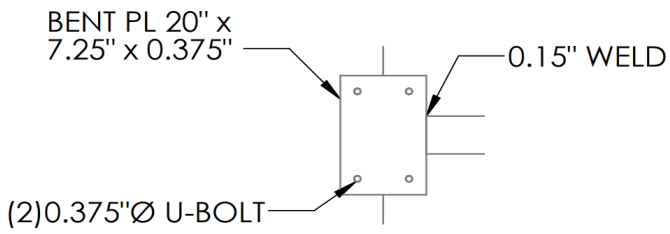
<b>Tower Owner:</b>	CROWN CASTLE	<b>Mapping Date:</b>	7/9/2021
<b>Site Name:</b>	CC : N WOODBURY/ WOLFF PARCEL; VZW : WOODBURY N CT	<b>Tower Type:</b>	Monopole
<b>Site Number or ID:</b>	CC : 876379	<b>Tower Height (Ft.):</b>	UNKNOWN
<b>Mapping Contractor:</b>	RKS Design & Engineering, LLC	<b>Mount Elevation (Ft.):</b>	148.1

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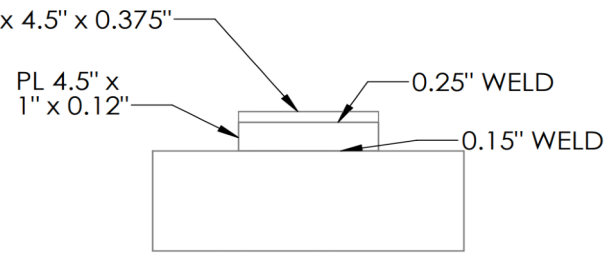
**Please Insert Sketches of the Antenna Mount**



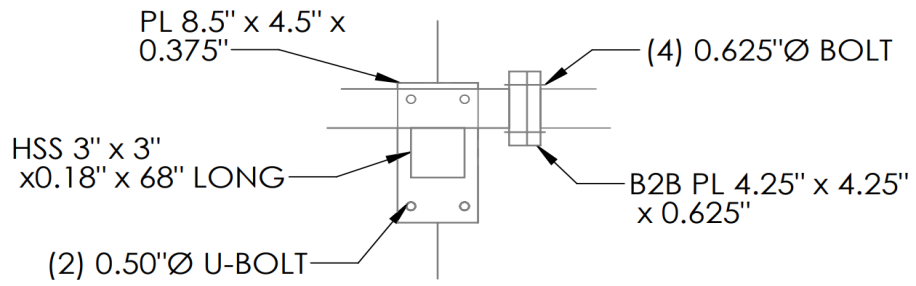
**SECTION A, B & C**



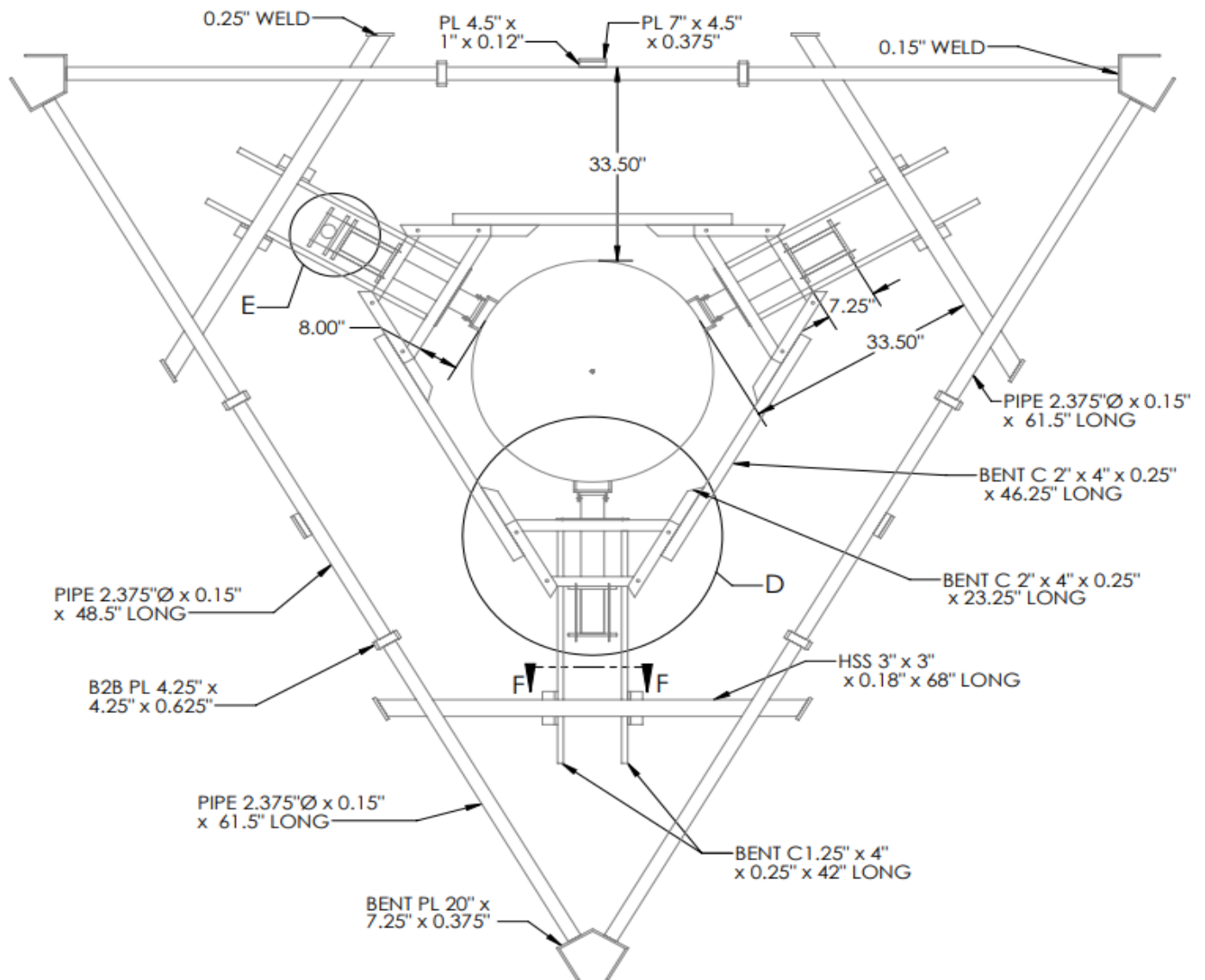
**DETAIL A**



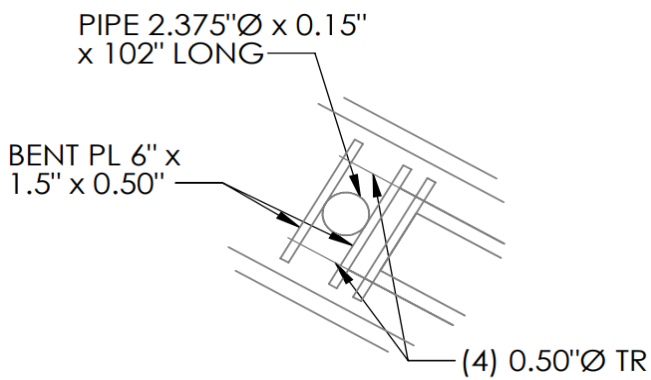
**SECTION C-C**



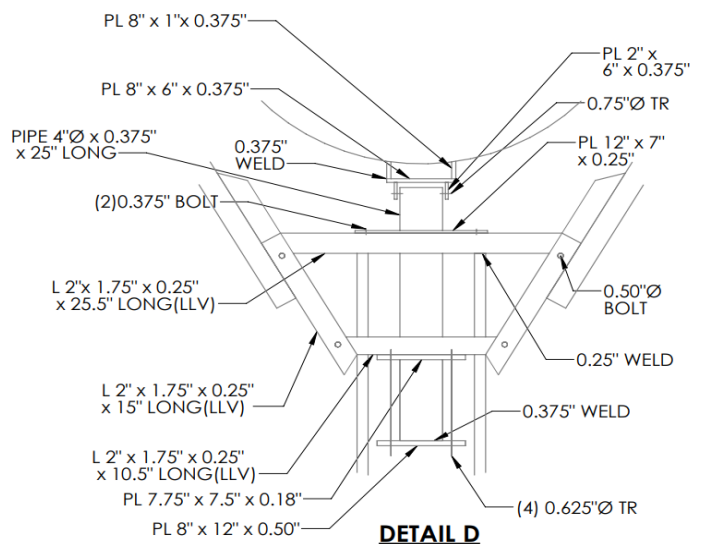
**DETAIL B**



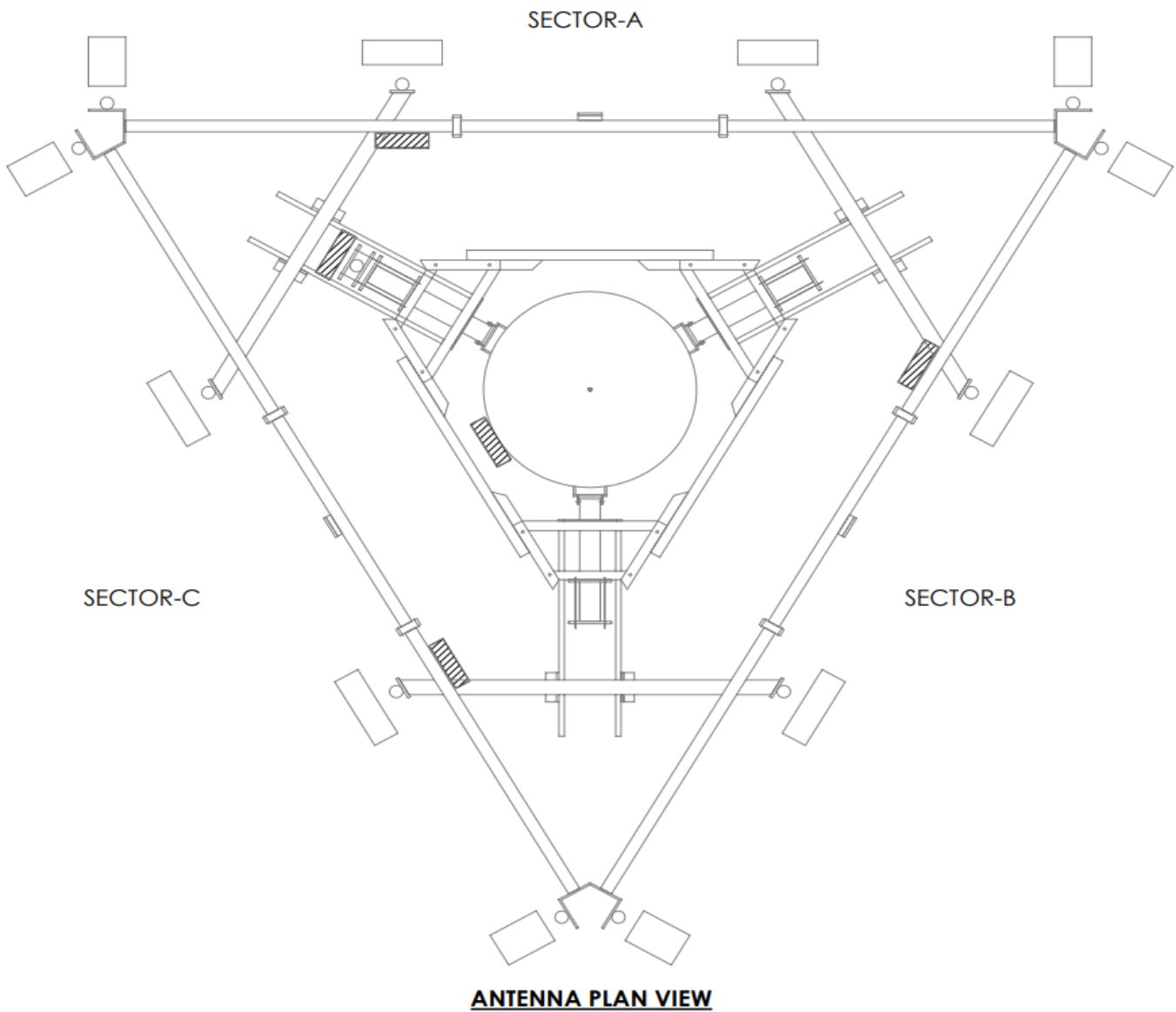
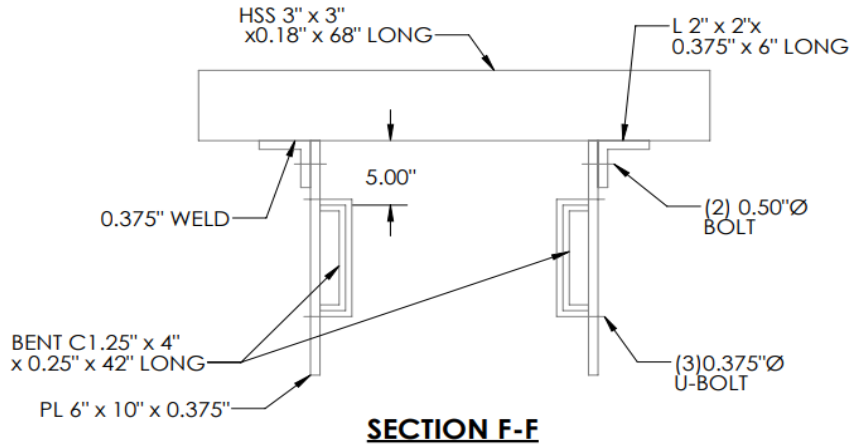
**MOUNT PLAN VIEW**



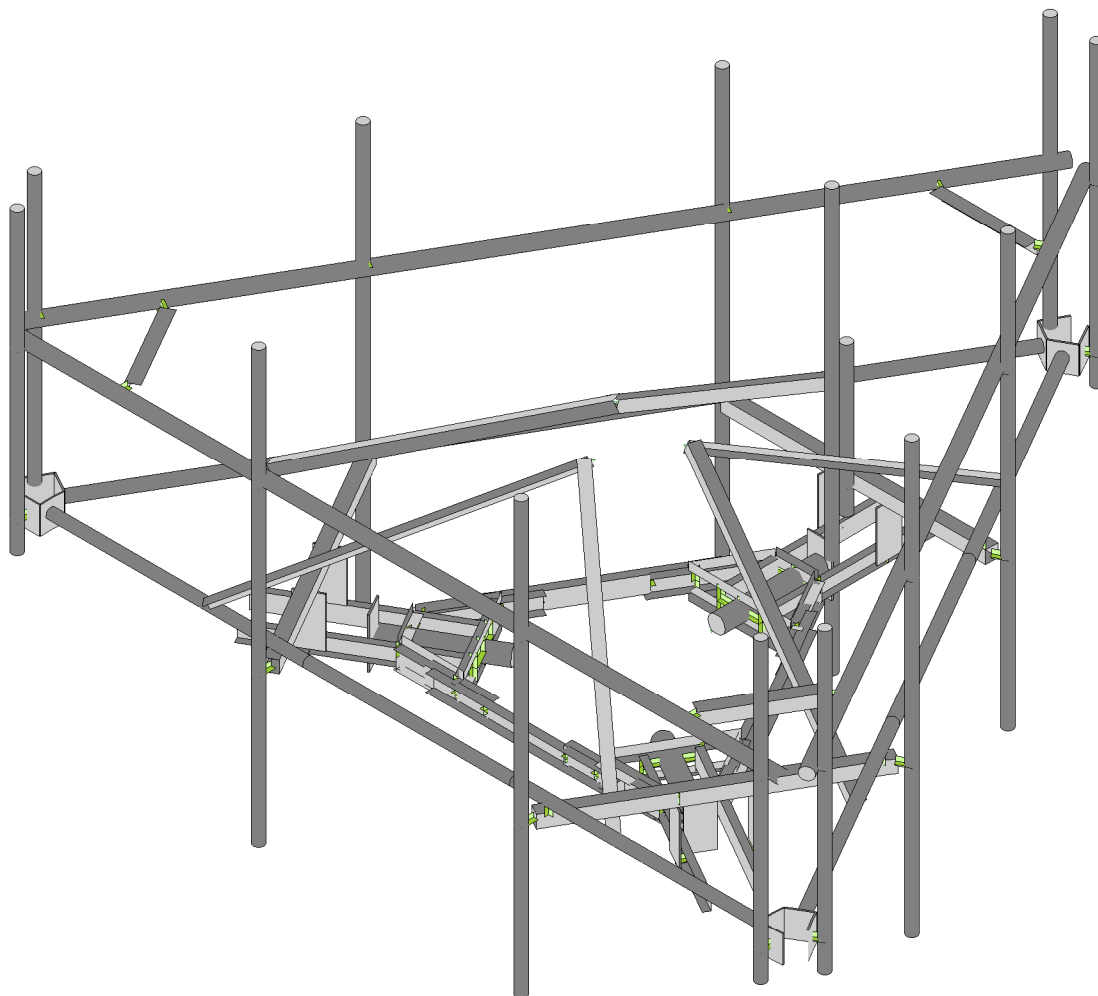
**DETAIL E**



**DETAIL D**







Envelope Only Solution

Colliers Engineering & Des...

CL

Project No. 10206439

5000244828-VZW\_MT\_LO\_H

SK - 1

July 5, 2023 at 11:39 AM

5000244828-VZW\_MT\_LO\_H.r3d









**Basic Load Cases (Continued)**

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
54 Structure Wi (30 Deg)	None						202	
55 Structure Wi (60 Deg)	None						202	
56 Structure Wi (90 Deg)	None						202	
57 Structure Wi (120 De..)	None						202	
58 Structure Wi (150 De..)	None						202	
59 Structure Wi (180 De..)	None						202	
60 Structure Wi (210 De..)	None						202	
61 Structure Wi (240 De..)	None						202	
62 Structure Wi (270 De..)	None						202	
63 Structure Wi (300 De..)	None						202	
64 Structure Wi (330 De..)	None						202	
65 Structure Wm (0 Deg)	None						202	
66 Structure Wm (30 De..)	None						202	
67 Structure Wm (60 De..)	None						202	
68 Structure Wm (90 De..)	None						202	
69 Structure Wm (120 D..)	None						202	
70 Structure Wm (150 D..)	None						202	
71 Structure Wm (180 D..)	None						202	
72 Structure Wm (210 D..)	None						202	
73 Structure Wm (240 D..)	None						202	
74 Structure Wm (270 D..)	None						202	
75 Structure Wm (300 D..)	None						202	
76 Structure Wm (330 D..)	None						202	
77 Lm1	None					1		
78 Lm2	None					1		
79 Lv1	None					1		
80 Lv2	None					1		
81 Antenna Ev	None					114		
82 Antenna Eh (0 Deg)	None					76		
83 Antenna Eh (90 Deg)	None					76		
84 Structure Ev	ELY		-0.041					9
85 Structure Eh (0 Deg)	ELZ			-0.101				9
86 Structure Eh (90 Deg)	ELX	.101						9
87 BLC 39 Transient Are..	None						75	
88 BLC 40 Transient Are..	None						75	
89 BLC 84 Transient Are..	None						75	
90 BLC 85 Transient Are..	None						75	
91 BLC 86 Transient Are..	None						75	

**Load Combinations**

Description	S...	PDelta	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...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1				
14 1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1				





**Load Combinations (Continued)**

Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
15	1.2D + 1.0Di + 1.0Wi (6...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1							
16	1.2D + 1.0Di + 1.0Wi (9...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1							
17	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1							
18	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1							
19	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1							
20	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1							
21	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1							
22	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1							
23	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1							
24	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1							
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1									
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1									
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1									
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1									
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1									
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1									
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1									
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1									
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1									
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1									
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1									
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1									
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1									
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1									
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1									
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1									
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1									
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1									
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1									
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1									
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1									
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1									
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1									
48	1.2D + 1.5Lm2 + 1.0W...	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...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...				
53	1.2D + 1.0Ev + 1.0Eh (3...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	ELZ	.866	E...	.5			
54	1.2D + 1.0Ev + 1.0Eh (6...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	ELZ	.5	E...	.866			
55	1.2D + 1.0Ev + 1.0Eh (9...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1			
56	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	ELZ	-.5	E...	.866			
57	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	.5	ELZ	-.866	E...	.5			
58	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...				
59	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	-.5	ELZ	-.866	E...	-.5			
60	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.866	ELZ	-.5	E...	-.866			
61	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1			
62	1.2D + 1.0Ev + 1.0Eh (3...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.866	ELZ	.5	E...	-.866			
63	1.2D + 1.0Ev + 1.0Eh (3...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	ELZ	.866	E...	-.5			
64	0.9D - 1.0Ev + 1.0Eh (0...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...				
65	0.9D - 1.0Ev + 1.0Eh (3...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5			
66	0.9D - 1.0Ev + 1.0Eh (6...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866			
67	0.9D - 1.0Ev + 1.0Eh (9...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1			
68	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866			
69	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	.5	ELZ	-.866	E...	.5			
70	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...				
71	0.9D - 1.0Ev + 1.0Eh (2...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	-.5	ELZ	-.866	E...	-.5			





**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N52A	1.333336	0	-1.716872	0	
50	N57	-0.416667	0	-4.59625	0	
51	N58	0.416667	0	-4.59625	0	
52	N59	-0.	.5	-3.804583	0	
53	N60	-0.	-.5	-3.804583	0	
54	N61	-0.583333	0	-4.59625	0	
55	N62	0.583333	0	-4.59625	0	
56	N63	-0.583333	1	-4.59625	0	
57	N64	0.583333	1	-4.59625	0	
58	N65	-0.583333	1.125	-4.59625	0	
59	N66	0.583333	1.125	-4.59625	0	
60	N67	-2.666667	1.125	-4.59625	0	
61	N68	2.666667	1.125	-4.59625	0	
62	N70	1.156078	0	-2.288107	0	
63	N71	1.447745	0	-1.782926	0	
64	N70A	-1.156078	0	-2.288107	0	
65	N71A	-1.447745	0	-1.782926	0	
66	N71B	-1.490646	0	0.860625	0	
67	N72	-3.294866	0	1.902292	0	
68	N73	-1.924354	0	1.111026	0	
69	N74	-2.861853	0	1.652292	0	
70	N75	-1.716021	0	1.47187	0	
71	N76	-2.65352	0	2.013136	0	
72	N77	-2.132687	0	0.750182	0	
73	N78	-3.070186	0	1.291448	0	
74	N79	-4.746415	0	3.221469	0	
75	N80	-5.163081	0	2.499781	0	
76	N81	-1.924354	0.208333	1.111026	0	
77	N82	-2.861853	0.208333	1.652292	0	
78	N83	-1.924354	-0.208333	1.111026	0	
79	N84	-2.861853	-0.208333	1.652292	0	
80	N85	-1.716021	0.208333	1.47187	0	
81	N86	-2.132687	0.208333	0.750182	0	
82	N87	-1.716021	-0.208333	1.47187	0	
83	N88	-2.132687	-0.208333	0.750182	0	
84	N89	-2.65352	0.208333	2.013136	0	
85	N90	-3.070186	0.208333	1.291448	0	
86	N91	-2.65352	-0.208333	2.013136	0	
87	N92	-3.070186	-0.208333	1.291448	0	
88	N93	-1.40352	0.208333	2.013138	0	
89	N94	-2.445188	0.208333	0.208915	0	
90	N95	-1.40352	-0.208333	2.013138	0	
91	N96	-2.445188	-0.208333	0.208915	0	
92	N97	-2.570186	0.208333	2.013136	0	
93	N98	-3.02852	0.208333	1.219279	0	
94	N99	-2.570186	-0.208333	2.013136	0	
95	N100	-3.02852	-0.208333	1.219279	0	
96	N101	-1.486853	0.208333	2.013136	0	
97	N102	-2.486855	0.208333	0.281084	0	
98	N103	-1.486853	-0.208333	2.013136	0	
99	N104	-2.486855	-0.208333	0.281084	0	
100	N105	-1.486853	0	2.013136	0	
101	N106	-2.486855	0	0.281084	0	
102	N107	-2.570186	0	2.013136	0	
103	N108	-3.02852	0	1.219279	0	
104	N109	-2.070186	0	2.013137	0	
105	N110	-2.778521	0	0.786266	0	

**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
106	N111	1.617064	0	2.145253	0	
107	N112	-1.92691	0	2.145247	0	
108	N113	-1.049312	0	-2.473045	0	
109	N115	-0.736853	0	2.013139	0	
110	N116	-2.111856	0	-0.368436	0	
111	N117	-1.40352	0	2.013136	0	
112	N118	-2.445188	0	0.208915	0	
113	N119	-0.820186	0	2.013136	0	
114	N120	-2.153523	0	-0.296267	0	
115	N121	-3.772136	0	2.658969	0	
116	N122	-4.188803	0	1.937281	0	
117	N123	-3.294866	.5	1.902292	0	
118	N124	-3.294866	-.5	1.902292	0	
119	N125	-3.688803	0	2.803306	0	
120	N126	-4.272136	0	1.792944	0	
121	N127	-3.688803	1	2.803306	0	
122	N128	-4.272136	1	1.792944	0	
123	N129	-3.688803	1.125	2.803306	0	
124	N130	-4.272136	1.125	1.792944	0	
125	N131	-2.647136	1.125	4.607526	0	
126	N132	-5.313803	1.125	-0.011276	0	
127	N135	-2.559598	0	0.14286	0	
128	N136	-2.267932	0	-0.362321	0	
129	N137	-1.40352	0	2.145247	0	
130	N138	-0.820186	0	2.145247	0	
131	N140	1.490646	0	0.860625	0	
132	N141	3.294866	0	1.902292	0	
133	N142	1.924354	0	1.111026	0	
134	N143	2.861853	0	1.652292	0	
135	N144	2.132687	0	0.750182	0	
136	N145	3.070186	0	1.291448	0	
137	N146	1.716021	0	1.47187	0	
138	N147	2.65352	0	2.013136	0	
139	N148	5.163081	0	2.499781	0	
140	N149	4.746415	0	3.221469	0	
141	N150	1.924354	0.208333	1.111026	0	
142	N151	2.861853	0.208333	1.652292	0	
143	N152	1.924354	-0.208333	1.111026	0	
144	N153	2.861853	-0.208333	1.652292	0	
145	N154	2.132687	0.208333	0.750182	0	
146	N155	1.716021	0.208333	1.47187	0	
147	N156	2.132687	-0.208333	0.750182	0	
148	N157	1.716021	-0.208333	1.47187	0	
149	N158	3.070186	0.208333	1.291448	0	
150	N159	2.65352	0.208333	2.013136	0	
151	N160	3.070186	-0.208333	1.291448	0	
152	N161	2.65352	-0.208333	2.013136	0	
153	N162	2.445188	0.208333	0.208915	0	
154	N163	1.40352	0.208333	2.013138	0	
155	N164	2.445188	-0.208333	0.208915	0	
156	N165	1.40352	-0.208333	2.013138	0	
157	N166	3.02852	0.208333	1.219279	0	
158	N167	2.570186	0.208333	2.013136	0	
159	N168	3.02852	-0.208333	1.219279	0	
160	N169	2.570186	-0.208333	2.013136	0	
161	N170	2.486855	0.208333	0.281084	0	
162	N171	1.486853	0.208333	2.013136	0	



**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
163	N172	2.486855	-0.208333	0.281084	0	
164	N173	1.486853	-0.208333	2.013136	0	
165	N174	2.486855	0	0.281084	0	
166	N175	1.486853	0	2.013136	0	
167	N176	3.02852	0	1.219279	0	
168	N177	2.570186	0	2.013136	0	
169	N178	2.778521	0	0.786266	0	
170	N179	2.070186	0	2.013137	0	
171	N180	1.049312	0	-2.473045	0	
172	N182	-1.617064	0	2.145253	0	
173	N183	1.92691	0	2.145247	0	
174	N184	2.111856	0	-0.368436	0	
175	N185	0.736853	0	2.013139	0	
176	N186	2.445188	0	0.208915	0	
177	N187	1.40352	0	2.013136	0	
178	N188	2.153523	0	-0.296267	0	
179	N189	0.820186	0	2.013136	0	
180	N190	4.188803	0	1.937281	0	
181	N191	3.772136	0	2.658969	0	
182	N192	3.294866	.5	1.902292	0	
183	N193	3.294866	-.5	1.902292	0	
184	N194	4.272136	0	1.792944	0	
185	N195	3.688803	0	2.803306	0	
186	N196	4.272136	1	1.792944	0	
187	N197	3.688803	1	2.803306	0	
188	N198	4.272136	1.125	1.792944	0	
189	N199	3.688803	1.125	2.803306	0	
190	N200	5.313803	1.125	-0.011276	0	
191	N201	2.647136	1.125	4.607526	0	
192	N204	1.40352	0	2.145247	0	
193	N205	0.820186	0	2.145247	0	
194	N206	2.559598	0	0.14286	0	
195	N207	2.267932	0	-0.362321	0	
196	N206A	7.249998	1.375	4.424513	0	
197	N207A	-7.250002	1.375	4.424513	0	
198	N202	7.249998	1.375	4.663238	0	
199	N207B	0.206742	1.375	-8.49094	0	
200	N208	7.456741	1.375	4.066427	0	
201	N212	7.249998	1.375	4.185789	0	
202	N214	-7.456741	1.375	4.066427	0	
203	N215	-0.206741	1.375	-8.490941	0	
204	N221	2.455342	1.125	-4.59625	0	
205	N222	-2.455342	1.125	-4.59625	0	
206	N223	-2.752798	1.125	4.424513	0	
207	N224	-5.20814	1.125	0.171737	0	
208	N225	2.752798	1.125	4.424513	0	
209	N226	5.20814	1.125	0.171737	0	
210	N227	2.455342	1.375	-4.59625	0	
211	N228	-2.455342	1.375	-4.59625	0	
212	N229	-2.752798	1.375	4.424513	0	
213	N230	-5.20814	1.375	0.171737	0	
214	N231	2.752798	1.375	4.424513	0	
215	N232	5.20814	1.375	0.171737	0	
216	N231A	7.727448	1.375	4.663238	0	
217	N221A	-7.250002	1.375	4.663238	0	
218	N222A	-7.250002	1.375	4.185789	0	
219	N223A	-7.727452	1.375	4.663238	0	

### Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
220	N224A	0.413484	1.375	-8.610302	0	
221	N225A	-0.	1.375	-8.371577	0	
222	N226A	0.174759	1.375	-9.023786	0	
223	N227A	7.663484	1.375	3.947066	0	
224	N229A	7.902209	1.375	4.36055	0	
225	N230A	-7.663482	1.375	3.947064	0	
226	N232A	-7.902207	1.375	4.360547	0	
227	N233	-0.413482	1.375	-8.610305	0	
228	N235	-0.174757	1.375	-9.023789	0	
229	N233A	-2.083335	1.375	4.424513	0	
230	N234	4.873408	1.375	-0.408037	0	
231	N235A	-2.790074	1.375	-4.016476	0	
232	N236	2.083332	1.375	4.424513	0	
233	N237	2.790074	1.375	-4.016476	0	
234	N238	-4.873408	1.375	-0.408037	0	
235	N239	7.488723	1.375	4.663238	0	
236	N240	-7.488727	1.375	4.663238	0	
237	N241	7.488723	1.375	4.871572	0	
238	N242	-7.488727	1.375	4.871572	0	
239	N256	0.294121	1.375	-8.817044	0	
240	N257	7.782846	1.375	4.153808	0	
241	N258	0.474543	1.375	-8.921211	0	
242	N259	7.963268	1.375	4.049642	0	
243	N273	-7.782845	1.375	4.153806	0	
244	N274	-0.29412	1.375	-8.817047	0	
245	N275	-7.963267	1.375	4.049639	0	
246	N276	-0.474542	1.375	-8.921213	0	
247	N294A	-0.	1.125	-4.59625	0	
248	N295	-0.	1.125	-4.34625	0	
249	N296	-0.	3.625	-4.34625	0	
250	N297	-0.	.625	-4.34625	0	
251	N291	-0.	0	-4.054583	0	
252	N292	-0.	-2	-4.054583	0	
253	N293	-0.	6.5	-4.054583	0	
254	N270	-2.647136	1.125	4.857526	0	
255	N271	2.647136	1.125	4.857526	0	
256	N272	-2.647136	6.8125	4.857526	0	
257	N273A	2.647136	6.8125	4.857526	0	
258	N274A	-2.647136	-1.854167	4.857526	0	
259	N275A	2.647136	-1.854167	4.857526	0	
260	N278A	5.530309	1.125	-0.136276	0	
261	N279A	2.883173	1.125	-4.72125	0	
262	N280A	5.530309	6.8125	-0.136276	0	
263	N281	2.883173	6.8125	-4.72125	0	
264	N282	5.530309	-1.854167	-0.136276	0	
265	N283	2.883173	-1.854167	-4.72125	0	
266	N286	-2.883173	1.125	-4.72125	0	
267	N287	-5.530309	1.125	-0.136276	0	
268	N288	-2.883173	6.8125	-4.72125	0	
269	N289	-5.530309	6.8125	-0.136276	0	
270	N290	-2.883173	-1.854167	-4.72125	0	
271	N291A	-5.530309	-1.854167	-0.136276	0	
272	N276A	7.488723	6.8125	4.871572	0	
273	N277	-7.488727	6.8125	4.871572	0	
274	N278	7.488723	0.8125	4.871572	0	
275	N279	-7.488727	0.8125	4.871572	0	
276	N280	0.474543	6.8125	-8.921211	0	





Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

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**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
277	N281A	7.963268	6.8125	4.049642	0	
278	N282A	0.474543	0.8125	-8.921211	0	
279	N283A	7.963268	0.8125	4.049642	0	
280	N284	-7.963267	6.8125	4.049639	0	
281	N285	-0.474542	6.8125	-8.921213	0	
282	N286A	-7.963267	0.8125	4.049639	0	
283	N287A	-0.474542	0.8125	-8.921213	0	
284	N284A	2.821293	0	0.596129	0	
285	N285A	0.894384	0	-2.741376	0	
286	N286B	-0.894384	0	-2.741376	0	
287	N287B	-2.821293	0	0.596129	0	
288	N288A	-0.583333	1.375	-4.59625	0	
289	N289A	0.583333	1.375	-4.59625	0	
290	N290A	-3.688803	1.375	2.803306	0	
291	N291B	-4.272136	1.375	1.792944	0	
292	N292A	4.272136	1.375	1.792944	0	
293	N293A	3.688803	1.375	2.803306	0	
294	N294	7.387827	1.375	4.106214	0	
295	N295A	7.35337	1.375	4.126108	0	
296	N296A	7.727448	4.375	4.663238	0	
297	N297A	-7.727452	4.375	4.663238	0	
298	N300	0.174759	4.375	-9.023786	0	
299	N301	7.902209	4.375	4.36055	0	
300	N304	-7.902207	4.375	4.360547	0	
301	N305	-0.174757	4.375	-9.023789	0	
302	N302	7.488723	4.375	4.663238	0	
303	N303	-7.488727	4.375	4.663238	0	
304	N304A	7.488723	4.375	4.871572	0	
305	N305A	-7.488727	4.375	4.871572	0	
306	N306	-2.647136	4.375	4.663238	0	
307	N307	2.647136	4.375	4.663238	0	
308	N308	-2.647136	4.375	4.857526	0	
309	N309	2.647136	4.375	4.857526	0	
310	N310	0.294121	4.375	-8.817044	0	
311	N311	7.782846	4.375	4.153808	0	
312	N312	0.474543	4.375	-8.921211	0	
313	N313	7.963268	4.375	4.049642	0	
314	N314	5.362051	4.375	-0.039132	0	
315	N315	2.714915	4.375	-4.624106	0	
316	N316	5.530309	4.375	-0.136276	0	
317	N317	2.883173	4.375	-4.72125	0	
318	N318	-7.782845	4.375	4.153806	0	
319	N319	-0.29412	4.375	-8.817047	0	
320	N320	-7.963267	4.375	4.049639	0	
321	N321	-0.474542	4.375	-8.921213	0	
322	N322	-2.714915	4.375	-4.624106	0	
323	N323	-5.362051	4.375	-0.039132	0	
324	N324	-2.883173	4.375	-4.72125	0	
325	N325	-5.530309	4.375	-0.136276	0	
326	N326	-5.727452	4.375	4.663238	0	
327	N327	5.727448	4.375	4.663238	0	
328	N328	-5.727452	4.375	4.413238	0	
329	N329	5.727448	4.375	4.413238	0	
330	N330	6.902209	4.375	2.628499	0	
331	N331	1.174759	4.375	-7.291735	0	
332	N332	6.685702	4.375	2.753499	0	
333	N333	0.958252	4.375	-7.166735	0	



### Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
334	N334	-1.174757	4.375	-7.291738	0	
335	N335	-6.902207	4.375	2.628497	0	
336	N336	-0.958251	4.375	-7.166738	0	
337	N337	-6.685701	4.375	2.753497	0	
338	N338	-4.166667	1.375	4.424238	0	
339	N339	4.727448	1.375	4.424238	0	
340	N340	6.402209	4.375	1.762474	0	
341	N341	1.674759	4.375	-6.42571	0	
342	N342	-1.674757	4.375	-6.425712	0	
343	N343	-6.402207	4.375	1.762471	0	
344	N345	0	4.166667	0.860625	0	
345	N345A	4.166667	1.375	4.424238	0	
346	N346	5.914836	1.375	1.39632	0	
347	N347	0.745323	4.166667	-0.430312	0	
348	N348	1.748169	1.375	-5.820558	0	
349	N349	-1.748169	1.375	-5.820558	0	
350	N350	-0.745323	4.166667	-0.430312	0	
351	N351	-5.914836	1.375	1.39632	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	Standoff	PIPE 3.5X	Beam	Pipe	A53 Gr. B	Typical	3.43	5.94	5.94	11.9
3	Cross Member HSS	HSS3X3X3	Beam	Pipe	A500 Gr. B 46	Typical	1.89	2.46	2.46	4.03
4	TES Main Channel	C5X9	Beam	Channel	A36 Gr.36	Typical	2.64	.624	8.89	.109
5	TES Side Channel	C5X9	Beam	Channel	A36 Gr.36	Typical	2.64	.624	8.89	.109
6	Side Angles	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
7	Face Horizontal	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
8	TES FH Plates	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
9	SO Vertical Plates	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
10	Cross Member Angle	L2x2x6	Beam	Single Angle	A36 Gr.36	Typical	1.37	.476	.476	.066
11	Standoff Plate	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
12	Main Channel	C4X4.5	Beam	Channel	A36 Gr.36	Typical	1.34	.265	3.53	.031
13	Side Channel	C4X2	Beam	Channel	A36 Gr.36	Typical	2.123	.716	4.668	.056
14	FH Plates	PL3/8x6.5	Beam	Channel	A36 Gr.36	Typical	2.438	.029	8.582	.11
15	MOD Support Rail	PIPE 2.5	Beam	Channel	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
16	MOD Corner Bracket	L3X3X4	Beam	Channel	A36 Gr.36	Typical	1.44	1.23	1.23	.031
17	MOD V-Bracing	L2.5x2.5x3	Beam	Channel	A36 Gr.36	Typical	.901	.535	.535	.011

### Hot Rolled Steel Properties

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

### Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N3			Standoff	Beam	Pipe	A53 Gr. B	Typical
2	M2	N4	N6			RIGID	None	None	RIGID	Typical



**Member Primary Data (Continued)**

Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
3	M3	N4	N8			RIGID	None	RIGID	Typical
4	M4	N6	N10	180	Main Channel	Beam	Channel	A36 Gr.36	Typical
5	M5	N8	N11		Main Channel	Beam	Channel	A36 Gr.36	Typical
6	M6	N5	N13			RIGID	None	RIGID	Typical
7	M7	N5	N15			RIGID	None	RIGID	Typical
8	M8	N4	N12			RIGID	None	RIGID	Typical
9	M9	N4	N14			RIGID	None	RIGID	Typical
10	M10	N9	N23			RIGID	None	RIGID	Typical
11	M11	N9	N21			RIGID	None	RIGID	Typical
12	M12	N7	N22			RIGID	None	RIGID	Typical
13	M13	N7	N20			RIGID	None	RIGID	Typical
14	M14	N6	N16			RIGID	None	RIGID	Typical
15	M15	N6	N18			RIGID	None	RIGID	Typical
16	M16	N17	N8			RIGID	None	RIGID	Typical
17	M17	N8	N19			RIGID	None	RIGID	Typical
18	M18	N21	N20	270	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
19	M19	N20	N34		Side Angles	Beam	Single Angle	A36 Gr.36	Typical
20	M20	N21	N35	270	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
21	M21	N35	N34		Side Angles	Beam	Single Angle	A36 Gr.36	Typical
22	M22	N23	N22	90	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
23	M26	N5	N7			RIGID	None	RIGID	Typical
24	M27	N5	N9			RIGID	None	RIGID	Typical
25	M28	N7	N51	180	Side Channel	Beam	Channel	A36 Gr.36	Typical
26	M29	N9	N52		Side Channel	Beam	Channel	A36 Gr.36	Typical
27	M27A	N22	N31	90	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
28	M28A	N23	N32	180	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
29	M29A	N32	N31	90	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
30	M30	N42	N32A			RIGID	None	RIGID	Typical
31	M31	N42	N34A			RIGID	None	RIGID	Typical
32	M32	N40	N36			RIGID	None	RIGID	Typical
33	M33	N40	N38			RIGID	None	RIGID	Typical
34	M34	N41	N31A			RIGID	None	RIGID	Typical
35	M35	N41	N33			RIGID	None	RIGID	Typical
36	M36	N39	N35A			RIGID	None	RIGID	Typical
37	M37	N39	N37			RIGID	None	RIGID	Typical
38	M40A	N49A	N70A			RIGID	None	RIGID	Typical
39	M41A	N51A	N71A			RIGID	None	RIGID	Typical
40	M42	N50A	N70			RIGID	None	RIGID	Typical
41	M43	N52A	N71			RIGID	None	RIGID	Typical
42	M44	N60	N59		Standoff Plate	Beam	RECT	A36 Gr.36	Typical
43	M45	N57	N61			RIGID	None	RIGID	Typical
44	M46	N58	N62			RIGID	None	RIGID	Typical
45	M47	N61	N63	90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
46	M48	N62	N64	90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
47	M49	N63	N65			RIGID	None	RIGID	Typical
48	M50	N64	N66			RIGID	None	RIGID	Typical
49	M51	N68	N67		Cross Member...	Beam	Pipe	A500 Gr. ...	Typical
50	M52	N71B	N72		Standoff	Beam	Pipe	A53 Gr. B	Typical
51	M53	N73	N75			RIGID	None	RIGID	Typical
52	M54	N73	N77			RIGID	None	RIGID	Typical
53	M55	N75	N79	180	Main Channel	Beam	Channel	A36 Gr.36	Typical
54	M56	N77	N80		Main Channel	Beam	Channel	A36 Gr.36	Typical
55	M57	N74	N82			RIGID	None	RIGID	Typical
56	M58	N74	N84			RIGID	None	RIGID	Typical
57	M59	N73	N81			RIGID	None	RIGID	Typical
58	M60	N73	N83			RIGID	None	RIGID	Typical
59	M61	N78	N92			RIGID	None	RIGID	Typical



Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

July 5, 2023  
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**Member Primary Data (Continued)**

Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
60	M62	N78	N90			RIGID	None	RIGID	Typical
61	M63	N76	N91			RIGID	None	RIGID	Typical
62	M64	N76	N89			RIGID	None	RIGID	Typical
63	M65	N75	N85			RIGID	None	RIGID	Typical
64	M66	N75	N87			RIGID	None	RIGID	Typical
65	M67	N86	N77			RIGID	None	RIGID	Typical
66	M68	N77	N88			RIGID	None	RIGID	Typical
67	M69	N90	N89	270	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
68	M70	N89	N93		Side Angles	Beam	Single Angle	A36 Gr.36	Typical
69	M71	N90	N94	270	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
70	M72	N94	N93		Side Angles	Beam	Single Angle	A36 Gr.36	Typical
71	M73	N92	N91	90	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
72	M74	N74	N76		RIGID	None	None	RIGID	Typical
73	M75	N74	N78		RIGID	None	None	RIGID	Typical
74	M76	N76	N115	180	Side Channel	Beam	Channel	A36 Gr.36	Typical
75	M77	N78	N116		Side Channel	Beam	Channel	A36 Gr.36	Typical
76	M78	N91	N95	90	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
77	M79	N92	N96	180	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
78	M80	N96	N95	90	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
79	M81	N108	N98		RIGID	None	None	RIGID	Typical
80	M82	N108	N100		RIGID	None	None	RIGID	Typical
81	M83	N106	N102		RIGID	None	None	RIGID	Typical
82	M84	N106	N104		RIGID	None	None	RIGID	Typical
83	M85	N107	N97		RIGID	None	None	RIGID	Typical
84	M86	N107	N99		RIGID	None	None	RIGID	Typical
85	M87	N105	N101		RIGID	None	None	RIGID	Typical
86	M88	N105	N103		RIGID	None	None	RIGID	Typical
87	M91	N117	N137		RIGID	None	None	RIGID	Typical
88	M92	N119	N138		RIGID	None	None	RIGID	Typical
89	M93	N118	N135		RIGID	None	None	RIGID	Typical
90	M94	N120	N136		RIGID	None	None	RIGID	Typical
91	M95	N124	N123	120	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
92	M96	N121	N125		RIGID	None	None	RIGID	Typical
93	M97	N122	N126		RIGID	None	None	RIGID	Typical
94	M98	N125	N127	210	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
95	M99	N126	N128	210	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
96	M100	N127	N129		RIGID	None	None	RIGID	Typical
97	M101	N128	N130		RIGID	None	None	RIGID	Typical
98	M102	N132	N131		Cross Member...	Beam	Pipe	A500 Gr. ...	Typical
99	M103	N140	N141		Standoff	Beam	Pipe	A53 Gr. B	Typical
100	M104	N142	N144		RIGID	None	None	RIGID	Typical
101	M105	N142	N146		RIGID	None	None	RIGID	Typical
102	M106	N144	N148	180	Main Channel	Beam	Channel	A36 Gr.36	Typical
103	M107	N146	N149		Main Channel	Beam	Channel	A36 Gr.36	Typical
104	M108	N143	N151		RIGID	None	None	RIGID	Typical
105	M109	N143	N153		RIGID	None	None	RIGID	Typical
106	M110	N142	N150		RIGID	None	None	RIGID	Typical
107	M111	N142	N152		RIGID	None	None	RIGID	Typical
108	M112	N147	N161		RIGID	None	None	RIGID	Typical
109	M113	N147	N159		RIGID	None	None	RIGID	Typical
110	M114	N145	N160		RIGID	None	None	RIGID	Typical
111	M115	N145	N158		RIGID	None	None	RIGID	Typical
112	M116	N144	N154		RIGID	None	None	RIGID	Typical
113	M117	N144	N156		RIGID	None	None	RIGID	Typical
114	M118	N155	N146		RIGID	None	None	RIGID	Typical
115	M119	N146	N157		RIGID	None	None	RIGID	Typical
116	M120	N159	N158	270	Side Angles	Beam	Single Angle	A36 Gr.36	Typical





**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
117	M121	N158	N162			Side Angles	Beam	Single Angle	A36 Gr.36	Typical
118	M122	N159	N163		270	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
119	M123	N163	N162			Side Angles	Beam	Single Angle	A36 Gr.36	Typical
120	M124	N161	N160		90	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
121	M125	N143	N145			RIGID	None	None	RIGID	Typical
122	M126	N143	N147			RIGID	None	None	RIGID	Typical
123	M127	N145	N184		180	Side Channel	Beam	Channel	A36 Gr.36	Typical
124	M128	N147	N185			Side Channel	Beam	Channel	A36 Gr.36	Typical
125	M129	N160	N164		90	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
126	M130	N161	N165		180	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
127	M131	N165	N164		90	Side Angles	Beam	Single Angle	A36 Gr.36	Typical
128	M132	N177	N167			RIGID	None	None	RIGID	Typical
129	M133	N177	N169			RIGID	None	None	RIGID	Typical
130	M134	N175	N171			RIGID	None	None	RIGID	Typical
131	M135	N175	N173			RIGID	None	None	RIGID	Typical
132	M136	N176	N166			RIGID	None	None	RIGID	Typical
133	M137	N176	N168			RIGID	None	None	RIGID	Typical
134	M138	N174	N170			RIGID	None	None	RIGID	Typical
135	M139	N174	N172			RIGID	None	None	RIGID	Typical
136	M142	N186	N206			RIGID	None	None	RIGID	Typical
137	M143	N188	N207			RIGID	None	None	RIGID	Typical
138	M144	N187	N204			RIGID	None	None	RIGID	Typical
139	M145	N189	N205			RIGID	None	None	RIGID	Typical
140	M146	N193	N192		60	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
141	M147	N190	N194			RIGID	None	None	RIGID	Typical
142	M148	N191	N195			RIGID	None	None	RIGID	Typical
143	M149	N194	N196		150	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
144	M150	N195	N197		150	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
145	M151	N196	N198			RIGID	None	None	RIGID	Typical
146	M152	N197	N199			RIGID	None	None	RIGID	Typical
147	M153	N201	N200			Cross Member...	Beam	Pipe	A500 Gr. ...	Typical
148	M148A	N112	N183			Side Channel	Beam	Channel	A36 Gr.36	Typical
149	M151A	N207A	N233A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
150	M152A	N202	N212			FH Plates	Beam	Channel	A36 Gr.36	Typical
151	M154	N208	N234			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
152	M157	N215	N235A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
153	M160	N225	N231			RIGID	None	None	RIGID	Typical
154	M161	N223	N229			RIGID	None	None	RIGID	Typical
155	M162	N224	N230			RIGID	None	None	RIGID	Typical
156	M163	N222	N228			RIGID	None	None	RIGID	Typical
157	M164	N221	N227			RIGID	None	None	RIGID	Typical
158	M165	N226	N232			RIGID	None	None	RIGID	Typical
159	M166	N202	N231A			FH Plates	Beam	Channel	A36 Gr.36	Typical
160	M162A	N221A	N222A			FH Plates	Beam	Channel	A36 Gr.36	Typical
161	M163A	N221A	N223A			FH Plates	Beam	Channel	A36 Gr.36	Typical
162	M164A	N224A	N225A			FH Plates	Beam	Channel	A36 Gr.36	Typical
163	M165A	N224A	N226A			FH Plates	Beam	Channel	A36 Gr.36	Typical
164	M166A	N227A	N212			FH Plates	Beam	Channel	A36 Gr.36	Typical
165	M167	N227A	N229A			FH Plates	Beam	Channel	A36 Gr.36	Typical
166	M168	N230A	N222A			FH Plates	Beam	Channel	A36 Gr.36	Typical
167	M169	N230A	N232A			FH Plates	Beam	Channel	A36 Gr.36	Typical
168	M170	N233	N225A			FH Plates	Beam	Channel	A36 Gr.36	Typical
169	M171	N233	N235			FH Plates	Beam	Channel	A36 Gr.36	Typical
170	M172	N233A	N236			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
171	M173	N234	N237			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
172	M174	N235A	N238			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
173	M175	N236	N206A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical



**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
174	M176	N237	N207B			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
175	M177	N238	N214			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
176	M178	N240	N242			RIGID	None	None	RIGID	Typical
177	M179	N239	N241			RIGID	None	None	RIGID	Typical
178	M186	N257	N259			RIGID	None	None	RIGID	Typical
179	M187	N256	N258			RIGID	None	None	RIGID	Typical
180	M194	N274	N276			RIGID	None	None	RIGID	Typical
181	M195	N273	N275			RIGID	None	None	RIGID	Typical
182	M202	N294A	N295			RIGID	None	None	RIGID	Typical
183	M203	N296	N297			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
184	OVP	N293	N292			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
185	M205	N3	N291			RIGID	None	None	RIGID	Typical
186	MP3A	N272	N274A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
187	MP2A	N273A	N275A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
188	M196	N201	N271			RIGID	None	None	RIGID	Typical
189	M197	N131	N270			RIGID	None	None	RIGID	Typical
190	MP3C	N280A	N282			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
191	MP2C	N281	N283			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
192	M200	N68	N279A			RIGID	None	None	RIGID	Typical
193	M201	N200	N278A			RIGID	None	None	RIGID	Typical
194	MP3B	N288	N290			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
195	MP2B	N289	N291A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
196	M204	N132	N287			RIGID	None	None	RIGID	Typical
197	M205A	N67	N286			RIGID	None	None	RIGID	Typical
198	MP1A	N276A	N278			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
199	MP4A	N277	N279			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
200	MP1C	N280	N282A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
201	MP4C	N281A	N283A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
202	MP1B	N284	N286A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
203	MP4B	N285	N287A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
204	M204A	N284A	N285A			Side Channel	Beam	Channel	A36 Gr.36	Typical
205	M205B	N286B	N287B			Side Channel	Beam	Channel	A36 Gr.36	Typical
206	M206	N297A	N296A			MOD Support ...	Beam	Channel	A53 Gr. B	Typical
207	M207	N301	N300			MOD Support ...	Beam	Channel	A53 Gr. B	Typical
208	M208	N305	N304			MOD Support ...	Beam	Channel	A53 Gr. B	Typical
209	M209	N303	N305A			RIGID	None	None	RIGID	Typical
210	M210	N302	N304A			RIGID	None	None	RIGID	Typical
211	M211	N307	N309			RIGID	None	None	RIGID	Typical
212	M212	N306	N308			RIGID	None	None	RIGID	Typical
213	M213	N311	N313			RIGID	None	None	RIGID	Typical
214	M214	N310	N312			RIGID	None	None	RIGID	Typical
215	M215	N315	N317			RIGID	None	None	RIGID	Typical
216	M216	N314	N316			RIGID	None	None	RIGID	Typical
217	M217	N319	N321			RIGID	None	None	RIGID	Typical
218	M218	N318	N320			RIGID	None	None	RIGID	Typical
219	M219	N323	N325			RIGID	None	None	RIGID	Typical
220	M220	N322	N324			RIGID	None	None	RIGID	Typical
221	M221	N328	N326			RIGID	None	None	RIGID	Typical
222	M222	N329	N327			RIGID	None	None	RIGID	Typical
223	M223	N332	N330			RIGID	None	None	RIGID	Typical
224	M224	N333	N331			RIGID	None	None	RIGID	Typical
225	M225	N336	N334			RIGID	None	None	RIGID	Typical
226	M226	N337	N335			RIGID	None	None	RIGID	Typical
227	M227	N337	N328		180	MOD Corner B...	Beam	Channel	A36 Gr.36	Typical
228	M228	N329	N332		180	MOD Corner B...	Beam	Channel	A36 Gr.36	Typical
229	M229	N333	N336		180	MOD Corner B...	Beam	Channel	A36 Gr.36	Typical
230	M231	N345	N338		180	MOD V-Bracing	Beam	Channel	A36 Gr.36	Typical





**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
231	M231A	N345	N345A		90	MOD V-Bracing	Beam	Channel	A36 Gr.36	Typical
232	M232	N347	N346		180	MOD V-Bracing	Beam	Channel	A36 Gr.36	Typical
233	M233	N347	N348		90	MOD V-Bracing	Beam	Channel	A36 Gr.36	Typical
234	M234	N350	N349		180	MOD V-Bracing	Beam	Channel	A36 Gr.36	Typical
235	M235	N350	N351		90	MOD V-Bracing	Beam	Channel	A36 Gr.36	Typical

**Member Advanced Data**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M4						Yes				None
5	M5						Yes				None
6	M6						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	M13						Yes	** NA **			None
14	M14						Yes	** NA **			None
15	M15						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18						Yes				None
19	M19						Yes				None
20	M20						Yes				None
21	M21						Yes				None
22	M22						Yes				None
23	M26						Yes	** NA **			None
24	M27						Yes	** NA **			None
25	M28						Yes				None
26	M29						Yes				None
27	M27A						Yes				None
28	M28A						Yes				None
29	M29A						Yes				None
30	M30						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	M40A						Yes	** NA **			None
39	M41A						Yes	** NA **			None
40	M42						Yes	** NA **			None
41	M43						Yes	** NA **			None
42	M44						Yes				None
43	M45						Yes	** NA **			None
44	M46						Yes	** NA **			None
45	M47						Yes				None
46	M48						Yes				None
47	M49						Yes	** NA **			None



**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
48	M50						Yes	** NA **			None
49	M51						Yes				None
50	M52						Yes				None
51	M53						Yes	** NA **			None
52	M54						Yes	** NA **			None
53	M55						Yes				None
54	M56						Yes				None
55	M57						Yes	** NA **			None
56	M58						Yes	** NA **			None
57	M59						Yes	** NA **			None
58	M60						Yes	** NA **			None
59	M61						Yes	** NA **			None
60	M62						Yes	** NA **			None
61	M63						Yes	** NA **			None
62	M64						Yes	** NA **			None
63	M65						Yes	** NA **			None
64	M66						Yes	** NA **			None
65	M67						Yes	** NA **			None
66	M68						Yes	** NA **			None
67	M69						Yes				None
68	M70						Yes				None
69	M71						Yes				None
70	M72						Yes				None
71	M73						Yes				None
72	M74						Yes	** NA **			None
73	M75						Yes	** NA **			None
74	M76						Yes				None
75	M77						Yes				None
76	M78						Yes				None
77	M79						Yes				None
78	M80						Yes				None
79	M81						Yes	** NA **			None
80	M82						Yes	** NA **			None
81	M83						Yes	** NA **			None
82	M84						Yes	** NA **			None
83	M85						Yes	** NA **			None
84	M86						Yes	** NA **			None
85	M87						Yes	** NA **			None
86	M88						Yes	** NA **			None
87	M91						Yes	** NA **			None
88	M92						Yes	** NA **			None
89	M93						Yes	** NA **			None
90	M94						Yes	** NA **			None
91	M95						Yes				None
92	M96						Yes	** NA **			None
93	M97						Yes	** NA **			None
94	M98						Yes				None
95	M99						Yes				None
96	M100						Yes	** NA **			None
97	M101						Yes	** NA **			None
98	M102						Yes				None
99	M103						Yes				None
100	M104						Yes	** NA **			None
101	M105						Yes	** NA **			None
102	M106						Yes				None
103	M107						Yes				None
104	M108						Yes	** NA **			None



**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat..	Analysis ...	Inactive	Seismic..
105	M109						Yes	** NA **			None
106	M110						Yes	** NA **			None
107	M111						Yes	** NA **			None
108	M112						Yes	** NA **			None
109	M113						Yes	** NA **			None
110	M114						Yes	** NA **			None
111	M115						Yes	** NA **			None
112	M116						Yes	** NA **			None
113	M117						Yes	** NA **			None
114	M118						Yes	** NA **			None
115	M119						Yes	** NA **			None
116	M120						Yes				None
117	M121						Yes				None
118	M122						Yes				None
119	M123						Yes				None
120	M124						Yes				None
121	M125						Yes	** NA **			None
122	M126						Yes	** NA **			None
123	M127						Yes				None
124	M128						Yes				None
125	M129						Yes				None
126	M130						Yes				None
127	M131						Yes				None
128	M132						Yes	** NA **			None
129	M133						Yes	** NA **			None
130	M134						Yes	** NA **			None
131	M135						Yes	** NA **			None
132	M136						Yes	** NA **			None
133	M137						Yes	** NA **			None
134	M138						Yes	** NA **			None
135	M139						Yes	** NA **			None
136	M142						Yes	** NA **			None
137	M143						Yes	** NA **			None
138	M144						Yes	** NA **			None
139	M145						Yes	** NA **			None
140	M146						Yes				None
141	M147						Yes	** NA **			None
142	M148						Yes	** NA **			None
143	M149						Yes				None
144	M150						Yes				None
145	M151						Yes	** NA **			None
146	M152						Yes	** NA **			None
147	M153						Yes				None
148	M148A						Yes				None
149	M151A						Yes				None
150	M152A						Yes				None
151	M154						Yes				None
152	M157						Yes				None
153	M160						Yes	** NA **			None
154	M161						Yes	** NA **			None
155	M162						Yes	** NA **			None
156	M163						Yes	** NA **			None
157	M164						Yes	** NA **			None
158	M165						Yes	** NA **			None
159	M166						Yes				None
160	M162A						Yes				None
161	M163A						Yes				None



**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
162	M164A						Yes				None
163	M165A						Yes				None
164	M166A						Yes				None
165	M167						Yes				None
166	M168						Yes				None
167	M169						Yes				None
168	M170						Yes				None
169	M171						Yes				None
170	M172						Yes				None
171	M173						Yes				None
172	M174						Yes				None
173	M175						Yes				None
174	M176						Yes				None
175	M177						Yes				None
176	M178						Yes	** NA **			None
177	M179						Yes	** NA **			None
178	M186						Yes	** NA **			None
179	M187						Yes	** NA **			None
180	M194						Yes	** NA **			None
181	M195						Yes	** NA **			None
182	M202						Yes	** NA **			None
183	M203						Yes				None
184	OVP						Yes				None
185	M205						Yes	** NA **			None
186	MP3A						Yes				None
187	MP2A						Yes				None
188	M196						Yes	** NA **			None
189	M197						Yes	** NA **			None
190	MP3C						Yes				None
191	MP2C						Yes				None
192	M200						Yes	** NA **			None
193	M201						Yes	** NA **			None
194	MP3B						Yes				None
195	MP2B						Yes				None
196	M204						Yes	** NA **			None
197	M205A						Yes	** NA **			None
198	MP1A						Yes				None
199	MP4A						Yes				None
200	MP1C						Yes				None
201	MP4C						Yes				None
202	MP1B						Yes				None
203	MP4B						Yes				None
204	M204A						Yes				None
205	M205B						Yes				None
206	M206						Yes				None
207	M207						Yes				None
208	M208						Yes				None
209	M209						Yes	** NA **			None
210	M210						Yes	** NA **			None
211	M211						Yes	** NA **			None
212	M212						Yes	** NA **			None
213	M213						Yes	** NA **			None
214	M214						Yes	** NA **			None
215	M215						Yes	** NA **			None
216	M216						Yes	** NA **			None
217	M217						Yes	** NA **			None
218	M218						Yes	** NA **			None



**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
219	M219						Yes	** NA **			None
220	M220						Yes	** NA **			None
221	M221		000000				Yes	** NA **			None
222	M222		000000				Yes	** NA **			None
223	M223		000000				Yes	** NA **			None
224	M224		000000				Yes	** NA **			None
225	M225		000000				Yes	** NA **			None
226	M226		000000				Yes	** NA **			None
227	M227						Yes				None
228	M228						Yes				None
229	M229						Yes				None
230	M231	BenPIN	BenPIN				Yes				None
231	M231A	BenPIN	BenPIN				Yes				None
232	M232	BenPIN	BenPIN				Yes				None
233	M233	BenPIN	BenPIN				Yes				None
234	M234	BenPIN	BenPIN				Yes				None
235	M235	BenPIN	BenPIN				Yes				None

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2B	Y	-17.6	4.5
2	MP2B	My	-.003	4.5
3	MP2B	Mz	.003	4.5
4	MP3A	Y	-43.55	3.42
5	MP3A	My	-.022	3.42
6	MP3A	Mz	0	3.42
7	MP3A	Y	-43.55	5.42
8	MP3A	My	-.022	5.42
9	MP3A	Mz	0	5.42
10	MP3B	Y	-43.55	3.42
11	MP3B	My	.017	3.42
12	MP3B	Mz	-.014	3.42
13	MP3B	Y	-43.55	5.42
14	MP3B	My	.017	5.42
15	MP3B	Mz	-.014	5.42
16	MP3C	Y	-43.55	3.42
17	MP3C	My	.007	3.42
18	MP3C	Mz	.02	3.42
19	MP3C	Y	-43.55	5.42
20	MP3C	My	.007	5.42
21	MP3C	Mz	.02	5.42
22	MP2A	Y	-20	1.92
23	MP2A	My	-.01	1.92
24	MP2A	Mz	.012	1.92
25	MP2A	Y	-20	6.92
26	MP2A	My	-.01	6.92
27	MP2A	Mz	.012	6.92
28	MP2B	Y	-20	1.92
29	MP2B	My	-.01	1.92
30	MP2B	Mz	.012	1.92
31	MP2B	Y	-20	6.92
32	MP2B	My	-.01	6.92
33	MP2B	Mz	.012	6.92
34	MP2C	Y	-20	1.92
35	MP2C	My	-.01	1.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
36	MP2C	Mz	.012	1.92
37	MP2C	Y	-20	6.92
38	MP2C	My	-.01	6.92
39	MP2C	Mz	.012	6.92
40	MP2A	Y	-20	1.92
41	MP2A	My	-.01	1.92
42	MP2A	Mz	-.012	1.92
43	MP2A	Y	-20	6.92
44	MP2A	My	-.01	6.92
45	MP2A	Mz	-.012	6.92
46	MP2B	Y	-20	1.92
47	MP2B	My	-.01	1.92
48	MP2B	Mz	-.012	1.92
49	MP2B	Y	-20	6.92
50	MP2B	My	-.01	6.92
51	MP2B	Mz	-.012	6.92
52	MP2C	Y	-20	1.92
53	MP2C	My	-.01	1.92
54	MP2C	Mz	-.012	1.92
55	MP2C	Y	-20	6.92
56	MP2C	My	-.01	6.92
57	MP2C	Mz	-.012	6.92
58	MP1A	Y	-10.5	.92
59	MP1A	My	-.005	.92
60	MP1A	Mz	0	.92
61	MP1A	Y	-10.5	5.92
62	MP1A	My	-.005	5.92
63	MP1A	Mz	0	5.92
64	MP1B	Y	-10.5	.92
65	MP1B	My	.004	.92
66	MP1B	Mz	-.003	.92
67	MP1B	Y	-10.5	5.92
68	MP1B	My	.004	5.92
69	MP1B	Mz	-.003	5.92
70	MP1C	Y	-10.5	.92
71	MP1C	My	.002	.92
72	MP1C	Mz	.005	.92
73	MP1C	Y	-10.5	5.92
74	MP1C	My	.002	5.92
75	MP1C	Mz	.005	5.92
76	MP4A	Y	-10.5	.92
77	MP4A	My	-.005	.92
78	MP4A	Mz	0	.92
79	MP4A	Y	-10.5	5.92
80	MP4A	My	-.005	5.92
81	MP4A	Mz	0	5.92
82	MP4B	Y	-10.5	.92
83	MP4B	My	.004	.92
84	MP4B	Mz	-.003	.92
85	MP4B	Y	-10.5	5.92
86	MP4B	My	.004	5.92
87	MP4B	Mz	-.003	5.92
88	MP4C	Y	-10.5	.92
89	MP4C	My	.002	.92
90	MP4C	Mz	.005	.92
91	MP4C	Y	-10.5	5.92
92	MP4C	My	.002	5.92





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
93	MP4C	Mz	.005	5.92
94	MP2A	Y	-84.4	1.5
95	MP2A	My	.042	1.5
96	MP2A	Mz	0	1.5
97	MP2B	Y	-84.4	1.5
98	MP2B	My	-.032	1.5
99	MP2B	Mz	.027	1.5
100	MP2C	Y	-84.4	1.5
101	MP2C	My	-.014	1.5
102	MP2C	Mz	-.04	1.5
103	MP3A	Y	-70.3	1.5
104	MP3A	My	.035	1.5
105	MP3A	Mz	0	1.5
106	MP3B	Y	-70.3	1.5
107	MP3B	My	-.027	1.5
108	MP3B	Mz	.023	1.5
109	MP3C	Y	-70.3	1.5
110	MP3C	My	-.012	1.5
111	MP3C	Mz	-.033	1.5
112	OVP	Y	-32	1.5
113	OVP	My	0	1.5
114	OVP	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2B	Y	-17.49	4.5
2	MP2B	My	-.003	4.5
3	MP2B	Mz	.003	4.5
4	MP3A	Y	-35.886	3.42
5	MP3A	My	-.018	3.42
6	MP3A	Mz	0	3.42
7	MP3A	Y	-35.886	5.42
8	MP3A	My	-.018	5.42
9	MP3A	Mz	0	5.42
10	MP3B	Y	-35.886	3.42
11	MP3B	My	.014	3.42
12	MP3B	Mz	-.012	3.42
13	MP3B	Y	-35.886	5.42
14	MP3B	My	.014	5.42
15	MP3B	Mz	-.012	5.42
16	MP3C	Y	-35.886	3.42
17	MP3C	My	.006	3.42
18	MP3C	Mz	.017	3.42
19	MP3C	Y	-35.886	5.42
20	MP3C	My	.006	5.42
21	MP3C	Mz	.017	5.42
22	MP2A	Y	-61.524	1.92
23	MP2A	My	-.031	1.92
24	MP2A	Mz	.036	1.92
25	MP2A	Y	-61.524	6.92
26	MP2A	My	-.031	6.92
27	MP2A	Mz	.036	6.92
28	MP2B	Y	-61.524	1.92
29	MP2B	My	-.031	1.92
30	MP2B	Mz	.036	1.92
31	MP2B	Y	-61.524	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
32	MP2B	My	-.031	6.92
33	MP2B	Mz	.036	6.92
34	MP2C	Y	-61.524	1.92
35	MP2C	My	-.031	1.92
36	MP2C	Mz	.036	1.92
37	MP2C	Y	-61.524	6.92
38	MP2C	My	-.031	6.92
39	MP2C	Mz	.036	6.92
40	MP2A	Y	-61.524	1.92
41	MP2A	My	-.031	1.92
42	MP2A	Mz	-.036	1.92
43	MP2A	Y	-61.524	6.92
44	MP2A	My	-.031	6.92
45	MP2A	Mz	-.036	6.92
46	MP2B	Y	-61.524	1.92
47	MP2B	My	-.031	1.92
48	MP2B	Mz	-.036	1.92
49	MP2B	Y	-61.524	6.92
50	MP2B	My	-.031	6.92
51	MP2B	Mz	-.036	6.92
52	MP2C	Y	-61.524	1.92
53	MP2C	My	-.031	1.92
54	MP2C	Mz	-.036	1.92
55	MP2C	Y	-61.524	6.92
56	MP2C	My	-.031	6.92
57	MP2C	Mz	-.036	6.92
58	MP1A	Y	-58.922	.92
59	MP1A	My	-.029	.92
60	MP1A	Mz	0	.92
61	MP1A	Y	-58.922	5.92
62	MP1A	My	-.029	5.92
63	MP1A	Mz	0	5.92
64	MP1B	Y	-58.922	.92
65	MP1B	My	.023	.92
66	MP1B	Mz	-.019	.92
67	MP1B	Y	-58.922	5.92
68	MP1B	My	.023	5.92
69	MP1B	Mz	-.019	5.92
70	MP1C	Y	-58.922	.92
71	MP1C	My	.01	.92
72	MP1C	Mz	.028	.92
73	MP1C	Y	-58.922	5.92
74	MP1C	My	.01	5.92
75	MP1C	Mz	.028	5.92
76	MP4A	Y	-58.922	.92
77	MP4A	My	-.029	.92
78	MP4A	Mz	0	.92
79	MP4A	Y	-58.922	5.92
80	MP4A	My	-.029	5.92
81	MP4A	Mz	0	5.92
82	MP4B	Y	-58.922	.92
83	MP4B	My	.023	.92
84	MP4B	Mz	-.019	.92
85	MP4B	Y	-58.922	5.92
86	MP4B	My	.023	5.92
87	MP4B	Mz	-.019	5.92
88	MP4C	Y	-58.922	.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
89	MP4C	My	.01	.92
90	MP4C	Mz	.028	.92
91	MP4C	Y	-58.922	5.92
92	MP4C	My	.01	5.92
93	MP4C	Mz	.028	5.92
94	MP2A	Y	-45.248	1.5
95	MP2A	My	.023	1.5
96	MP2A	Mz	0	1.5
97	MP2B	Y	-45.248	1.5
98	MP2B	My	-.017	1.5
99	MP2B	Mz	.015	1.5
100	MP2C	Y	-45.248	1.5
101	MP2C	My	-.008	1.5
102	MP2C	Mz	-.021	1.5
103	MP3A	Y	-40.695	1.5
104	MP3A	My	.02	1.5
105	MP3A	Mz	0	1.5
106	MP3B	Y	-40.695	1.5
107	MP3B	My	-.016	1.5
108	MP3B	Mz	.013	1.5
109	MP3C	Y	-40.695	1.5
110	MP3C	My	-.007	1.5
111	MP3C	Mz	-.019	1.5
112	OVP	Y	-88.574	1.5
113	OVP	My	0	1.5
114	OVP	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	0	4.5
2	MP2B	Z	-29.097	4.5
3	MP2B	Mx	-.005	4.5
4	MP3A	X	0	3.42
5	MP3A	Z	-83.419	3.42
6	MP3A	Mx	0	3.42
7	MP3A	X	0	5.42
8	MP3A	Z	-83.419	5.42
9	MP3A	Mx	0	5.42
10	MP3B	X	0	3.42
11	MP3B	Z	-60.822	3.42
12	MP3B	Mx	.02	3.42
13	MP3B	X	0	5.42
14	MP3B	Z	-60.822	5.42
15	MP3B	Mx	.02	5.42
16	MP3C	X	0	3.42
17	MP3C	Z	-35.126	3.42
18	MP3C	Mx	-.017	3.42
19	MP3C	X	0	5.42
20	MP3C	Z	-35.126	5.42
21	MP3C	Mx	-.017	5.42
22	MP2A	X	0	1.92
23	MP2A	Z	-117.255	1.92
24	MP2A	Mx	-.068	1.92
25	MP2A	X	0	6.92
26	MP2A	Z	-117.255	6.92
27	MP2A	Mx	-.068	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
28	MP2B	X	0	1.92
29	MP2B	Z	-117.255	1.92
30	MP2B	Mx	-.068	1.92
31	MP2B	X	0	6.92
32	MP2B	Z	-117.255	6.92
33	MP2B	Mx	-.068	6.92
34	MP2C	X	0	1.92
35	MP2C	Z	-117.255	1.92
36	MP2C	Mx	-.068	1.92
37	MP2C	X	0	6.92
38	MP2C	Z	-117.255	6.92
39	MP2C	Mx	-.068	6.92
40	MP2A	X	0	1.92
41	MP2A	Z	-117.255	1.92
42	MP2A	Mx	.068	1.92
43	MP2A	X	0	6.92
44	MP2A	Z	-117.255	6.92
45	MP2A	Mx	.068	6.92
46	MP2B	X	0	1.92
47	MP2B	Z	-117.255	1.92
48	MP2B	Mx	.068	1.92
49	MP2B	X	0	6.92
50	MP2B	Z	-117.255	6.92
51	MP2B	Mx	.068	6.92
52	MP2C	X	0	1.92
53	MP2C	Z	-117.255	1.92
54	MP2C	Mx	.068	1.92
55	MP2C	X	0	6.92
56	MP2C	Z	-117.255	6.92
57	MP2C	Mx	.068	6.92
58	MP1A	X	0	.92
59	MP1A	Z	-92.144	.92
60	MP1A	Mx	0	.92
61	MP1A	X	0	5.92
62	MP1A	Z	-92.144	5.92
63	MP1A	Mx	0	5.92
64	MP1B	X	0	.92
65	MP1B	Z	-129.938	.92
66	MP1B	Mx	.042	.92
67	MP1B	X	0	5.92
68	MP1B	Z	-129.938	5.92
69	MP1B	Mx	.042	5.92
70	MP1C	X	0	.92
71	MP1C	Z	-172.915	.92
72	MP1C	Mx	-.081	.92
73	MP1C	X	0	5.92
74	MP1C	Z	-172.915	5.92
75	MP1C	Mx	-.081	5.92
76	MP4A	X	0	.92
77	MP4A	Z	-92.144	.92
78	MP4A	Mx	0	.92
79	MP4A	X	0	5.92
80	MP4A	Z	-92.144	5.92
81	MP4A	Mx	0	5.92
82	MP4B	X	0	.92
83	MP4B	Z	-129.938	.92
84	MP4B	Mx	.042	.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
85	MP4B	X	0	5.92
86	MP4B	Z	-129.938	5.92
87	MP4B	Mx	.042	5.92
88	MP4C	X	0	.92
89	MP4C	Z	-172.915	.92
90	MP4C	Mx	-.081	.92
91	MP4C	X	0	5.92
92	MP4C	Z	-172.915	5.92
93	MP4C	Mx	-.081	5.92
94	MP2A	X	0	1.5
95	MP2A	Z	-65.969	1.5
96	MP2A	Mx	0	1.5
97	MP2B	X	0	1.5
98	MP2B	Z	-57.001	1.5
99	MP2B	Mx	-.018	1.5
100	MP2C	X	0	1.5
101	MP2C	Z	-46.802	1.5
102	MP2C	Mx	.022	1.5
103	MP3A	X	0	1.5
104	MP3A	Z	-65.969	1.5
105	MP3A	Mx	0	1.5
106	MP3B	X	0	1.5
107	MP3B	Z	-53.66	1.5
108	MP3B	Mx	-.017	1.5
109	MP3C	X	0	1.5
110	MP3C	Z	-39.662	1.5
111	MP3C	Mx	.019	1.5
112	OVP	X	0	1.5
113	OVP	Z	-106.355	1.5
114	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2B	X	7.861	4.5
2	MP2B	Z	-13.616	4.5
3	MP2B	Mx	-.004	4.5
4	MP3A	X	34.873	3.42
5	MP3A	Z	-60.402	3.42
6	MP3A	Mx	-.017	3.42
7	MP3A	X	34.873	5.42
8	MP3A	Z	-60.402	5.42
9	MP3A	Mx	-.017	5.42
10	MP3B	X	17.563	3.42
11	MP3B	Z	-30.42	3.42
12	MP3B	Mx	.017	3.42
13	MP3B	X	17.563	5.42
14	MP3B	Z	-30.42	5.42
15	MP3B	Mx	.017	5.42
16	MP3C	X	30.411	3.42
17	MP3C	Z	-52.674	3.42
18	MP3C	Mx	-.02	3.42
19	MP3C	X	30.411	5.42
20	MP3C	Z	-52.674	5.42
21	MP3C	Mx	-.02	5.42
22	MP2A	X	50.275	1.92
23	MP2A	Z	-87.079	1.92

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
24	MP2A	Mx	-0.076	1.92
25	MP2A	X	50.275	6.92
26	MP2A	Z	-87.079	6.92
27	MP2A	Mx	-0.076	6.92
28	MP2B	X	50.275	1.92
29	MP2B	Z	-87.079	1.92
30	MP2B	Mx	-0.076	1.92
31	MP2B	X	50.275	6.92
32	MP2B	Z	-87.079	6.92
33	MP2B	Mx	-0.076	6.92
34	MP2C	X	50.275	1.92
35	MP2C	Z	-87.079	1.92
36	MP2C	Mx	-0.076	1.92
37	MP2C	X	50.275	6.92
38	MP2C	Z	-87.079	6.92
39	MP2C	Mx	-0.076	6.92
40	MP2A	X	50.275	1.92
41	MP2A	Z	-87.079	1.92
42	MP2A	Mx	.026	1.92
43	MP2A	X	50.275	6.92
44	MP2A	Z	-87.079	6.92
45	MP2A	Mx	.026	6.92
46	MP2B	X	50.275	1.92
47	MP2B	Z	-87.079	1.92
48	MP2B	Mx	.026	1.92
49	MP2B	X	50.275	6.92
50	MP2B	Z	-87.079	6.92
51	MP2B	Mx	.026	6.92
52	MP2C	X	50.275	1.92
53	MP2C	Z	-87.079	1.92
54	MP2C	Mx	.026	1.92
55	MP2C	X	50.275	6.92
56	MP2C	Z	-87.079	6.92
57	MP2C	Mx	.026	6.92
58	MP1A	X	57.506	.92
59	MP1A	Z	-99.603	.92
60	MP1A	Mx	-.029	.92
61	MP1A	X	57.506	5.92
62	MP1A	Z	-99.603	5.92
63	MP1A	Mx	-.029	5.92
64	MP1B	X	86.457	.92
65	MP1B	Z	-149.749	.92
66	MP1B	Mx	.081	.92
67	MP1B	X	86.457	5.92
68	MP1B	Z	-149.749	5.92
69	MP1B	Mx	.081	5.92
70	MP1C	X	64.969	.92
71	MP1C	Z	-112.529	.92
72	MP1C	Mx	-.042	.92
73	MP1C	X	64.969	5.92
74	MP1C	Z	-112.529	5.92
75	MP1C	Mx	-.042	5.92
76	MP4A	X	57.506	.92
77	MP4A	Z	-99.603	.92
78	MP4A	Mx	-.029	.92
79	MP4A	X	57.506	5.92
80	MP4A	Z	-99.603	5.92





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
81	MP4A	Mx	-.029	5.92
82	MP4B	X	86.457	.92
83	MP4B	Z	-149.749	.92
84	MP4B	Mx	.081	.92
85	MP4B	X	86.457	5.92
86	MP4B	Z	-149.749	5.92
87	MP4B	Mx	.081	5.92
88	MP4C	X	64.969	.92
89	MP4C	Z	-112.529	.92
90	MP4C	Mx	-.042	.92
91	MP4C	X	64.969	5.92
92	MP4C	Z	-112.529	5.92
93	MP4C	Mx	-.042	5.92
94	MP2A	X	30.271	1.5
95	MP2A	Z	-52.432	1.5
96	MP2A	Mx	.015	1.5
97	MP2B	X	23.401	1.5
98	MP2B	Z	-40.532	1.5
99	MP2B	Mx	-.022	1.5
100	MP2C	X	28.5	1.5
101	MP2C	Z	-49.364	1.5
102	MP2C	Mx	.018	1.5
103	MP3A	X	29.261	1.5
104	MP3A	Z	-50.681	1.5
105	MP3A	Mx	.015	1.5
106	MP3B	X	19.831	1.5
107	MP3B	Z	-34.348	1.5
108	MP3B	Mx	-.019	1.5
109	MP3C	X	26.83	1.5
110	MP3C	Z	-46.471	1.5
111	MP3C	Mx	.017	1.5
112	OVP	X	51.773	1.5
113	OVP	Z	-89.674	1.5
114	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	11.476	4.5
2	MP2B	Z	-6.625	4.5
3	MP2B	Mx	-.003	4.5
4	MP3A	X	36.72	3.42
5	MP3A	Z	-21.201	3.42
6	MP3A	Mx	-.018	3.42
7	MP3A	X	36.72	5.42
8	MP3A	Z	-21.201	5.42
9	MP3A	Mx	-.018	5.42
10	MP3B	X	26.308	3.42
11	MP3B	Z	-15.189	3.42
12	MP3B	Mx	.015	3.42
13	MP3B	X	26.308	5.42
14	MP3B	Z	-15.189	5.42
15	MP3B	Mx	.015	5.42
16	MP3C	X	70.815	3.42
17	MP3C	Z	-40.885	3.42
18	MP3C	Mx	-.007	3.42
19	MP3C	X	70.815	5.42





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
77	MP4A	Z	-80.374	.92
78	MP4A	Mx	-.07	.92
79	MP4A	X	139.211	5.92
80	MP4A	Z	-80.374	5.92
81	MP4A	Mx	-.07	5.92
82	MP4B	X	156.626	.92
83	MP4B	Z	-90.428	.92
84	MP4B	Mx	.089	.92
85	MP4B	X	156.626	5.92
86	MP4B	Z	-90.428	5.92
87	MP4B	Mx	.089	5.92
88	MP4C	X	82.188	.92
89	MP4C	Z	-47.451	.92
90	MP4C	Mx	-.008	.92
91	MP4C	X	82.188	5.92
92	MP4C	Z	-47.451	5.92
93	MP4C	Mx	-.008	5.92
94	MP2A	X	43.033	1.5
95	MP2A	Z	-24.845	1.5
96	MP2A	Mx	.022	1.5
97	MP2B	X	38.9	1.5
98	MP2B	Z	-22.459	1.5
99	MP2B	Mx	-.022	1.5
100	MP2C	X	56.564	1.5
101	MP2C	Z	-32.657	1.5
102	MP2C	Mx	.006	1.5
103	MP3A	X	37.78	1.5
104	MP3A	Z	-21.812	1.5
105	MP3A	Mx	.019	1.5
106	MP3B	X	32.108	1.5
107	MP3B	Z	-18.538	1.5
108	MP3B	Mx	-.018	1.5
109	MP3C	X	56.353	1.5
110	MP3C	Z	-32.535	1.5
111	MP3C	Mx	.006	1.5
112	OVP	X	100.404	1.5
113	OVP	Z	-57.968	1.5
114	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2B	X	24.154	4.5
2	MP2B	Z	0	4.5
3	MP2B	Mx	-.005	4.5
4	MP3A	X	28.729	3.42
5	MP3A	Z	0	3.42
6	MP3A	Mx	-.014	3.42
7	MP3A	X	28.729	5.42
8	MP3A	Z	0	5.42
9	MP3A	Mx	-.014	5.42
10	MP3B	X	51.325	3.42
11	MP3B	Z	0	3.42
12	MP3B	Mx	.02	3.42
13	MP3B	X	51.325	5.42
14	MP3B	Z	0	5.42
15	MP3B	Mx	.02	5.42



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
16	MP3C	X	77.022	3.42
17	MP3C	Z	0	3.42
18	MP3C	Mx	.013	3.42
19	MP3C	X	77.022	5.42
20	MP3C	Z	0	5.42
21	MP3C	Mx	.013	5.42
22	MP2A	X	50.435	1.92
23	MP2A	Z	0	1.92
24	MP2A	Mx	-.025	1.92
25	MP2A	X	50.435	6.92
26	MP2A	Z	0	6.92
27	MP2A	Mx	-.025	6.92
28	MP2B	X	50.435	1.92
29	MP2B	Z	0	1.92
30	MP2B	Mx	-.025	1.92
31	MP2B	X	50.435	6.92
32	MP2B	Z	0	6.92
33	MP2B	Mx	-.025	6.92
34	MP2C	X	50.435	1.92
35	MP2C	Z	0	1.92
36	MP2C	Mx	-.025	1.92
37	MP2C	X	50.435	6.92
38	MP2C	Z	0	6.92
39	MP2C	Mx	-.025	6.92
40	MP2A	X	50.435	1.92
41	MP2A	Z	0	1.92
42	MP2A	Mx	-.025	1.92
43	MP2A	X	50.435	6.92
44	MP2A	Z	0	6.92
45	MP2A	Mx	-.025	6.92
46	MP2B	X	50.435	1.92
47	MP2B	Z	0	1.92
48	MP2B	Mx	-.025	1.92
49	MP2B	X	50.435	6.92
50	MP2B	Z	0	6.92
51	MP2B	Mx	-.025	6.92
52	MP2C	X	50.435	1.92
53	MP2C	Z	0	1.92
54	MP2C	Mx	-.025	1.92
55	MP2C	X	50.435	6.92
56	MP2C	Z	0	6.92
57	MP2C	Mx	-.025	6.92
58	MP1A	X	183.615	.92
59	MP1A	Z	0	.92
60	MP1A	Mx	-.092	.92
61	MP1A	X	183.615	5.92
62	MP1A	Z	0	5.92
63	MP1A	Mx	-.092	5.92
64	MP1B	X	145.821	.92
65	MP1B	Z	0	.92
66	MP1B	Mx	.056	.92
67	MP1B	X	145.821	5.92
68	MP1B	Z	0	5.92
69	MP1B	Mx	.056	5.92
70	MP1C	X	102.844	.92
71	MP1C	Z	0	.92
72	MP1C	Mx	.018	.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP1C	X	102.844	5.92
74	MP1C	Z	0	5.92
75	MP1C	Mx	.018	5.92
76	MP4A	X	183.615	.92
77	MP4A	Z	0	.92
78	MP4A	Mx	-.092	.92
79	MP4A	X	183.615	5.92
80	MP4A	Z	0	5.92
81	MP4A	Mx	-.092	5.92
82	MP4B	X	145.821	.92
83	MP4B	Z	0	.92
84	MP4B	Mx	.056	.92
85	MP4B	X	145.821	5.92
86	MP4B	Z	0	5.92
87	MP4B	Mx	.056	5.92
88	MP4C	X	102.844	.92
89	MP4C	Z	0	.92
90	MP4C	Mx	.018	.92
91	MP4C	X	102.844	5.92
92	MP4C	Z	0	5.92
93	MP4C	Mx	.018	5.92
94	MP2A	X	44.263	1.5
95	MP2A	Z	0	1.5
96	MP2A	Mx	.022	1.5
97	MP2B	X	53.232	1.5
98	MP2B	Z	0	1.5
99	MP2B	Mx	-.02	1.5
100	MP2C	X	63.43	1.5
101	MP2C	Z	0	1.5
102	MP2C	Mx	-.011	1.5
103	MP3A	X	36.177	1.5
104	MP3A	Z	0	1.5
105	MP3A	Mx	.018	1.5
106	MP3B	X	48.486	1.5
107	MP3B	Z	0	1.5
108	MP3B	Mx	-.019	1.5
109	MP3C	X	62.484	1.5
110	MP3C	Z	0	1.5
111	MP3C	Mx	-.011	1.5
112	OVP	X	131.134	1.5
113	OVP	Z	0	1.5
114	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	32.501	4.5
2	MP2B	Z	18.764	4.5
3	MP2B	Mx	-.003	4.5
4	MP3A	X	36.72	3.42
5	MP3A	Z	21.201	3.42
6	MP3A	Mx	-.018	3.42
7	MP3A	X	36.72	5.42
8	MP3A	Z	21.201	5.42
9	MP3A	Mx	-.018	5.42
10	MP3B	X	66.703	3.42
11	MP3B	Z	38.511	3.42



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP3B	Mx	.013	3.42
13	MP3B	X	66.703	5.42
14	MP3B	Z	38.511	5.42
15	MP3B	Mx	.013	5.42
16	MP3C	X	44.449	3.42
17	MP3C	Z	25.663	3.42
18	MP3C	Mx	.02	3.42
19	MP3C	X	44.449	5.42
20	MP3C	Z	25.663	5.42
21	MP3C	Mx	.02	5.42
22	MP2A	X	58.145	1.92
23	MP2A	Z	33.57	1.92
24	MP2A	Mx	-.009	1.92
25	MP2A	X	58.145	6.92
26	MP2A	Z	33.57	6.92
27	MP2A	Mx	-.009	6.92
28	MP2B	X	58.145	1.92
29	MP2B	Z	33.57	1.92
30	MP2B	Mx	-.009	1.92
31	MP2B	X	58.145	6.92
32	MP2B	Z	33.57	6.92
33	MP2B	Mx	-.009	6.92
34	MP2C	X	58.145	1.92
35	MP2C	Z	33.57	1.92
36	MP2C	Mx	-.009	1.92
37	MP2C	X	58.145	6.92
38	MP2C	Z	33.57	6.92
39	MP2C	Mx	-.009	6.92
40	MP2A	X	58.145	1.92
41	MP2A	Z	33.57	1.92
42	MP2A	Mx	-.049	1.92
43	MP2A	X	58.145	6.92
44	MP2A	Z	33.57	6.92
45	MP2A	Mx	-.049	6.92
46	MP2B	X	58.145	1.92
47	MP2B	Z	33.57	1.92
48	MP2B	Mx	-.049	1.92
49	MP2B	X	58.145	6.92
50	MP2B	Z	33.57	6.92
51	MP2B	Mx	-.049	6.92
52	MP2C	X	58.145	1.92
53	MP2C	Z	33.57	1.92
54	MP2C	Mx	-.049	1.92
55	MP2C	X	58.145	6.92
56	MP2C	Z	33.57	6.92
57	MP2C	Mx	-.049	6.92
58	MP1A	X	139.211	.92
59	MP1A	Z	80.374	.92
60	MP1A	Mx	-.07	.92
61	MP1A	X	139.211	5.92
62	MP1A	Z	80.374	5.92
63	MP1A	Mx	-.07	5.92
64	MP1B	X	89.066	.92
65	MP1B	Z	51.422	.92
66	MP1B	Mx	.018	.92
67	MP1B	X	89.066	5.92
68	MP1B	Z	51.422	5.92





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP1B	Mx	.018	5.92
70	MP1C	X	126.285	.92
71	MP1C	Z	72.911	.92
72	MP1C	Mx	.056	.92
73	MP1C	X	126.285	5.92
74	MP1C	Z	72.911	5.92
75	MP1C	Mx	.056	5.92
76	MP4A	X	139.211	.92
77	MP4A	Z	80.374	.92
78	MP4A	Mx	-.07	.92
79	MP4A	X	139.211	5.92
80	MP4A	Z	80.374	5.92
81	MP4A	Mx	-.07	5.92
82	MP4B	X	89.066	.92
83	MP4B	Z	51.422	.92
84	MP4B	Mx	.018	.92
85	MP4B	X	89.066	5.92
86	MP4B	Z	51.422	5.92
87	MP4B	Mx	.018	5.92
88	MP4C	X	126.285	.92
89	MP4C	Z	72.911	.92
90	MP4C	Mx	.056	.92
91	MP4C	X	126.285	5.92
92	MP4C	Z	72.911	5.92
93	MP4C	Mx	.056	5.92
94	MP2A	X	43.033	1.5
95	MP2A	Z	24.845	1.5
96	MP2A	Mx	.022	1.5
97	MP2B	X	54.932	1.5
98	MP2B	Z	31.715	1.5
99	MP2B	Mx	-.011	1.5
100	MP2C	X	46.1	1.5
101	MP2C	Z	26.616	1.5
102	MP2C	Mx	-.02	1.5
103	MP3A	X	37.78	1.5
104	MP3A	Z	21.812	1.5
105	MP3A	Mx	.019	1.5
106	MP3B	X	54.113	1.5
107	MP3B	Z	31.242	1.5
108	MP3B	Mx	-.011	1.5
109	MP3C	X	41.99	1.5
110	MP3C	Z	24.243	1.5
111	MP3C	Mx	-.019	1.5
112	OVP	X	115.997	1.5
113	OVP	Z	66.971	1.5
114	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2B	X	20	4.5
2	MP2B	Z	34.641	4.5
3	MP2B	Mx	.002	4.5
4	MP3A	X	34.873	3.42
5	MP3A	Z	60.402	3.42
6	MP3A	Mx	-.017	3.42
7	MP3A	X	34.873	5.42



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
8	MP3A	Z	60.402	5.42
9	MP3A	Mx	-.017	5.42
10	MP3B	X	40.885	3.42
11	MP3B	Z	70.815	3.42
12	MP3B	Mx	-.007	3.42
13	MP3B	X	40.885	5.42
14	MP3B	Z	70.815	5.42
15	MP3B	Mx	-.007	5.42
16	MP3C	X	15.189	3.42
17	MP3C	Z	26.308	3.42
18	MP3C	Mx	.015	3.42
19	MP3C	X	15.189	5.42
20	MP3C	Z	26.308	5.42
21	MP3C	Mx	.015	5.42
22	MP2A	X	50.275	1.92
23	MP2A	Z	87.079	1.92
24	MP2A	Mx	.026	1.92
25	MP2A	X	50.275	6.92
26	MP2A	Z	87.079	6.92
27	MP2A	Mx	.026	6.92
28	MP2B	X	50.275	1.92
29	MP2B	Z	87.079	1.92
30	MP2B	Mx	.026	1.92
31	MP2B	X	50.275	6.92
32	MP2B	Z	87.079	6.92
33	MP2B	Mx	.026	6.92
34	MP2C	X	50.275	1.92
35	MP2C	Z	87.079	1.92
36	MP2C	Mx	.026	1.92
37	MP2C	X	50.275	6.92
38	MP2C	Z	87.079	6.92
39	MP2C	Mx	.026	6.92
40	MP2A	X	50.275	1.92
41	MP2A	Z	87.079	1.92
42	MP2A	Mx	-.076	1.92
43	MP2A	X	50.275	6.92
44	MP2A	Z	87.079	6.92
45	MP2A	Mx	-.076	6.92
46	MP2B	X	50.275	1.92
47	MP2B	Z	87.079	1.92
48	MP2B	Mx	-.076	1.92
49	MP2B	X	50.275	6.92
50	MP2B	Z	87.079	6.92
51	MP2B	Mx	-.076	6.92
52	MP2C	X	50.275	1.92
53	MP2C	Z	87.079	1.92
54	MP2C	Mx	-.076	1.92
55	MP2C	X	50.275	6.92
56	MP2C	Z	87.079	6.92
57	MP2C	Mx	-.076	6.92
58	MP1A	X	57.506	.92
59	MP1A	Z	99.603	.92
60	MP1A	Mx	-.029	.92
61	MP1A	X	57.506	5.92
62	MP1A	Z	99.603	5.92
63	MP1A	Mx	-.029	5.92
64	MP1B	X	47.451	.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
65	MP1B	Z	82.188	.92
66	MP1B	Mx	-.008	.92
67	MP1B	X	47.451	5.92
68	MP1B	Z	82.188	5.92
69	MP1B	Mx	-.008	5.92
70	MP1C	X	90.428	.92
71	MP1C	Z	156.626	.92
72	MP1C	Mx	.089	.92
73	MP1C	X	90.428	5.92
74	MP1C	Z	156.626	5.92
75	MP1C	Mx	.089	5.92
76	MP4A	X	57.506	.92
77	MP4A	Z	99.603	.92
78	MP4A	Mx	-.029	.92
79	MP4A	X	57.506	5.92
80	MP4A	Z	99.603	5.92
81	MP4A	Mx	-.029	5.92
82	MP4B	X	47.451	.92
83	MP4B	Z	82.188	.92
84	MP4B	Mx	-.008	.92
85	MP4B	X	47.451	5.92
86	MP4B	Z	82.188	5.92
87	MP4B	Mx	-.008	5.92
88	MP4C	X	90.428	.92
89	MP4C	Z	156.626	.92
90	MP4C	Mx	.089	.92
91	MP4C	X	90.428	5.92
92	MP4C	Z	156.626	5.92
93	MP4C	Mx	.089	5.92
94	MP2A	X	30.271	1.5
95	MP2A	Z	52.432	1.5
96	MP2A	Mx	.015	1.5
97	MP2B	X	32.657	1.5
98	MP2B	Z	56.564	1.5
99	MP2B	Mx	.006	1.5
100	MP2C	X	22.459	1.5
101	MP2C	Z	38.9	1.5
102	MP2C	Mx	-.022	1.5
103	MP3A	X	29.261	1.5
104	MP3A	Z	50.681	1.5
105	MP3A	Mx	.015	1.5
106	MP3B	X	32.535	1.5
107	MP3B	Z	56.353	1.5
108	MP3B	Mx	.006	1.5
109	MP3C	X	18.538	1.5
110	MP3C	Z	32.108	1.5
111	MP3C	Mx	-.018	1.5
112	OVP	X	60.776	1.5
113	OVP	Z	105.268	1.5
114	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2B	X	0	4.5
2	MP2B	Z	29.097	4.5
3	MP2B	Mx	.005	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
4	MP3A	X	0	3.42
5	MP3A	Z	83.419	3.42
6	MP3A	Mx	0	3.42
7	MP3A	X	0	5.42
8	MP3A	Z	83.419	5.42
9	MP3A	Mx	0	5.42
10	MP3B	X	0	3.42
11	MP3B	Z	60.822	3.42
12	MP3B	Mx	-.02	3.42
13	MP3B	X	0	5.42
14	MP3B	Z	60.822	5.42
15	MP3B	Mx	-.02	5.42
16	MP3C	X	0	3.42
17	MP3C	Z	35.126	3.42
18	MP3C	Mx	.017	3.42
19	MP3C	X	0	5.42
20	MP3C	Z	35.126	5.42
21	MP3C	Mx	.017	5.42
22	MP2A	X	0	1.92
23	MP2A	Z	117.255	1.92
24	MP2A	Mx	.068	1.92
25	MP2A	X	0	6.92
26	MP2A	Z	117.255	6.92
27	MP2A	Mx	.068	6.92
28	MP2B	X	0	1.92
29	MP2B	Z	117.255	1.92
30	MP2B	Mx	.068	1.92
31	MP2B	X	0	6.92
32	MP2B	Z	117.255	6.92
33	MP2B	Mx	.068	6.92
34	MP2C	X	0	1.92
35	MP2C	Z	117.255	1.92
36	MP2C	Mx	.068	1.92
37	MP2C	X	0	6.92
38	MP2C	Z	117.255	6.92
39	MP2C	Mx	.068	6.92
40	MP2A	X	0	1.92
41	MP2A	Z	117.255	1.92
42	MP2A	Mx	-.068	1.92
43	MP2A	X	0	6.92
44	MP2A	Z	117.255	6.92
45	MP2A	Mx	-.068	6.92
46	MP2B	X	0	1.92
47	MP2B	Z	117.255	1.92
48	MP2B	Mx	-.068	1.92
49	MP2B	X	0	6.92
50	MP2B	Z	117.255	6.92
51	MP2B	Mx	-.068	6.92
52	MP2C	X	0	1.92
53	MP2C	Z	117.255	1.92
54	MP2C	Mx	-.068	1.92
55	MP2C	X	0	6.92
56	MP2C	Z	117.255	6.92
57	MP2C	Mx	-.068	6.92
58	MP1A	X	0	.92
59	MP1A	Z	92.144	.92
60	MP1A	Mx	0	.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
61	MP1A	X	0	5.92
62	MP1A	Z	92.144	5.92
63	MP1A	Mx	0	5.92
64	MP1B	X	0	.92
65	MP1B	Z	129.938	.92
66	MP1B	Mx	-.042	.92
67	MP1B	X	0	5.92
68	MP1B	Z	129.938	5.92
69	MP1B	Mx	-.042	5.92
70	MP1C	X	0	.92
71	MP1C	Z	172.915	.92
72	MP1C	Mx	.081	.92
73	MP1C	X	0	5.92
74	MP1C	Z	172.915	5.92
75	MP1C	Mx	.081	5.92
76	MP4A	X	0	.92
77	MP4A	Z	92.144	.92
78	MP4A	Mx	0	.92
79	MP4A	X	0	5.92
80	MP4A	Z	92.144	5.92
81	MP4A	Mx	0	5.92
82	MP4B	X	0	.92
83	MP4B	Z	129.938	.92
84	MP4B	Mx	-.042	.92
85	MP4B	X	0	5.92
86	MP4B	Z	129.938	5.92
87	MP4B	Mx	-.042	5.92
88	MP4C	X	0	.92
89	MP4C	Z	172.915	.92
90	MP4C	Mx	.081	.92
91	MP4C	X	0	5.92
92	MP4C	Z	172.915	5.92
93	MP4C	Mx	.081	5.92
94	MP2A	X	0	1.5
95	MP2A	Z	65.969	1.5
96	MP2A	Mx	0	1.5
97	MP2B	X	0	1.5
98	MP2B	Z	57.001	1.5
99	MP2B	Mx	.018	1.5
100	MP2C	X	0	1.5
101	MP2C	Z	46.802	1.5
102	MP2C	Mx	-.022	1.5
103	MP3A	X	0	1.5
104	MP3A	Z	65.969	1.5
105	MP3A	Mx	0	1.5
106	MP3B	X	0	1.5
107	MP3B	Z	53.66	1.5
108	MP3B	Mx	.017	1.5
109	MP3C	X	0	1.5
110	MP3C	Z	39.662	1.5
111	MP3C	Mx	-.019	1.5
112	OVP	X	0	1.5
113	OVP	Z	106.355	1.5
114	OVP	Mx	0	1.5

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



Company : Colliers Engineering & Design  
Designer : CL  
Job Number : Project No. 10206439  
Model Name : 5000244828-VZW\_MT\_LO\_H

July 5, 2023  
11:40 AM  
Checked By: DX

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-7.861	4.5
2	MP2B	Z	13.616	4.5
3	MP2B	Mx	.004	4.5
4	MP3A	X	-34.873	3.42
5	MP3A	Z	60.402	3.42
6	MP3A	Mx	.017	3.42
7	MP3A	X	-34.873	5.42
8	MP3A	Z	60.402	5.42
9	MP3A	Mx	.017	5.42
10	MP3B	X	-17.563	3.42
11	MP3B	Z	30.42	3.42
12	MP3B	Mx	-.017	3.42
13	MP3B	X	-17.563	5.42
14	MP3B	Z	30.42	5.42
15	MP3B	Mx	-.017	5.42
16	MP3C	X	-30.411	3.42
17	MP3C	Z	52.674	3.42
18	MP3C	Mx	.02	3.42
19	MP3C	X	-30.411	5.42
20	MP3C	Z	52.674	5.42
21	MP3C	Mx	.02	5.42
22	MP2A	X	-50.275	1.92
23	MP2A	Z	87.079	1.92
24	MP2A	Mx	.076	1.92
25	MP2A	X	-50.275	6.92
26	MP2A	Z	87.079	6.92
27	MP2A	Mx	.076	6.92
28	MP2B	X	-50.275	1.92
29	MP2B	Z	87.079	1.92
30	MP2B	Mx	.076	1.92
31	MP2B	X	-50.275	6.92
32	MP2B	Z	87.079	6.92
33	MP2B	Mx	.076	6.92
34	MP2C	X	-50.275	1.92
35	MP2C	Z	87.079	1.92
36	MP2C	Mx	.076	1.92
37	MP2C	X	-50.275	6.92
38	MP2C	Z	87.079	6.92
39	MP2C	Mx	.076	6.92
40	MP2A	X	-50.275	1.92
41	MP2A	Z	87.079	1.92
42	MP2A	Mx	-.026	1.92
43	MP2A	X	-50.275	6.92
44	MP2A	Z	87.079	6.92
45	MP2A	Mx	-.026	6.92
46	MP2B	X	-50.275	1.92
47	MP2B	Z	87.079	1.92
48	MP2B	Mx	-.026	1.92
49	MP2B	X	-50.275	6.92
50	MP2B	Z	87.079	6.92
51	MP2B	Mx	-.026	6.92
52	MP2C	X	-50.275	1.92
53	MP2C	Z	87.079	1.92
54	MP2C	Mx	-.026	1.92
55	MP2C	X	-50.275	6.92
56	MP2C	Z	87.079	6.92
57	MP2C	Mx	-.026	6.92





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-57.506	.92
59	MP1A	Z	99.603	.92
60	MP1A	Mx	.029	.92
61	MP1A	X	-57.506	5.92
62	MP1A	Z	99.603	5.92
63	MP1A	Mx	.029	5.92
64	MP1B	X	-86.457	.92
65	MP1B	Z	149.749	.92
66	MP1B	Mx	-.081	.92
67	MP1B	X	-86.457	5.92
68	MP1B	Z	149.749	5.92
69	MP1B	Mx	-.081	5.92
70	MP1C	X	-64.969	.92
71	MP1C	Z	112.529	.92
72	MP1C	Mx	.042	.92
73	MP1C	X	-64.969	5.92
74	MP1C	Z	112.529	5.92
75	MP1C	Mx	.042	5.92
76	MP4A	X	-57.506	.92
77	MP4A	Z	99.603	.92
78	MP4A	Mx	.029	.92
79	MP4A	X	-57.506	5.92
80	MP4A	Z	99.603	5.92
81	MP4A	Mx	.029	5.92
82	MP4B	X	-86.457	.92
83	MP4B	Z	149.749	.92
84	MP4B	Mx	-.081	.92
85	MP4B	X	-86.457	5.92
86	MP4B	Z	149.749	5.92
87	MP4B	Mx	-.081	5.92
88	MP4C	X	-64.969	.92
89	MP4C	Z	112.529	.92
90	MP4C	Mx	.042	.92
91	MP4C	X	-64.969	5.92
92	MP4C	Z	112.529	5.92
93	MP4C	Mx	.042	5.92
94	MP2A	X	-30.271	1.5
95	MP2A	Z	52.432	1.5
96	MP2A	Mx	-.015	1.5
97	MP2B	X	-23.401	1.5
98	MP2B	Z	40.532	1.5
99	MP2B	Mx	.022	1.5
100	MP2C	X	-28.5	1.5
101	MP2C	Z	49.364	1.5
102	MP2C	Mx	-.018	1.5
103	MP3A	X	-29.261	1.5
104	MP3A	Z	50.681	1.5
105	MP3A	Mx	-.015	1.5
106	MP3B	X	-19.831	1.5
107	MP3B	Z	34.348	1.5
108	MP3B	Mx	.019	1.5
109	MP3C	X	-26.83	1.5
110	MP3C	Z	46.471	1.5
111	MP3C	Mx	-.017	1.5
112	OVP	X	-51.773	1.5
113	OVP	Z	89.674	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-11.476	4.5
2	MP2B	Z	6.625	4.5
3	MP2B	Mx	.003	4.5
4	MP3A	X	-36.72	3.42
5	MP3A	Z	21.201	3.42
6	MP3A	Mx	.018	3.42
7	MP3A	X	-36.72	5.42
8	MP3A	Z	21.201	5.42
9	MP3A	Mx	.018	5.42
10	MP3B	X	-26.308	3.42
11	MP3B	Z	15.189	3.42
12	MP3B	Mx	-.015	3.42
13	MP3B	X	-26.308	5.42
14	MP3B	Z	15.189	5.42
15	MP3B	Mx	-.015	5.42
16	MP3C	X	-70.815	3.42
17	MP3C	Z	40.885	3.42
18	MP3C	Mx	.007	3.42
19	MP3C	X	-70.815	5.42
20	MP3C	Z	40.885	5.42
21	MP3C	Mx	.007	5.42
22	MP2A	X	-58.145	1.92
23	MP2A	Z	33.57	1.92
24	MP2A	Mx	.049	1.92
25	MP2A	X	-58.145	6.92
26	MP2A	Z	33.57	6.92
27	MP2A	Mx	.049	6.92
28	MP2B	X	-58.145	1.92
29	MP2B	Z	33.57	1.92
30	MP2B	Mx	.049	1.92
31	MP2B	X	-58.145	6.92
32	MP2B	Z	33.57	6.92
33	MP2B	Mx	.049	6.92
34	MP2C	X	-58.145	1.92
35	MP2C	Z	33.57	1.92
36	MP2C	Mx	.049	1.92
37	MP2C	X	-58.145	6.92
38	MP2C	Z	33.57	6.92
39	MP2C	Mx	.049	6.92
40	MP2A	X	-58.145	1.92
41	MP2A	Z	33.57	1.92
42	MP2A	Mx	.009	1.92
43	MP2A	X	-58.145	6.92
44	MP2A	Z	33.57	6.92
45	MP2A	Mx	.009	6.92
46	MP2B	X	-58.145	1.92
47	MP2B	Z	33.57	1.92
48	MP2B	Mx	.009	1.92
49	MP2B	X	-58.145	6.92
50	MP2B	Z	33.57	6.92
51	MP2B	Mx	.009	6.92
52	MP2C	X	-58.145	1.92
53	MP2C	Z	33.57	1.92
54	MP2C	Mx	.009	1.92
55	MP2C	X	-58.145	6.92
56	MP2C	Z	33.57	6.92
57	MP2C	Mx	.009	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-139.211	.92
59	MP1A	Z	80.374	.92
60	MP1A	Mx	.07	.92
61	MP1A	X	-139.211	5.92
62	MP1A	Z	80.374	5.92
63	MP1A	Mx	.07	5.92
64	MP1B	X	-156.626	.92
65	MP1B	Z	90.428	.92
66	MP1B	Mx	-.089	.92
67	MP1B	X	-156.626	5.92
68	MP1B	Z	90.428	5.92
69	MP1B	Mx	-.089	5.92
70	MP1C	X	-82.188	.92
71	MP1C	Z	47.451	.92
72	MP1C	Mx	.008	.92
73	MP1C	X	-82.188	5.92
74	MP1C	Z	47.451	5.92
75	MP1C	Mx	.008	5.92
76	MP4A	X	-139.211	.92
77	MP4A	Z	80.374	.92
78	MP4A	Mx	.07	.92
79	MP4A	X	-139.211	5.92
80	MP4A	Z	80.374	5.92
81	MP4A	Mx	.07	5.92
82	MP4B	X	-156.626	.92
83	MP4B	Z	90.428	.92
84	MP4B	Mx	-.089	.92
85	MP4B	X	-156.626	5.92
86	MP4B	Z	90.428	5.92
87	MP4B	Mx	-.089	5.92
88	MP4C	X	-82.188	.92
89	MP4C	Z	47.451	.92
90	MP4C	Mx	.008	.92
91	MP4C	X	-82.188	5.92
92	MP4C	Z	47.451	5.92
93	MP4C	Mx	.008	5.92
94	MP2A	X	-43.033	1.5
95	MP2A	Z	24.845	1.5
96	MP2A	Mx	-.022	1.5
97	MP2B	X	-38.9	1.5
98	MP2B	Z	22.459	1.5
99	MP2B	Mx	.022	1.5
100	MP2C	X	-56.564	1.5
101	MP2C	Z	32.657	1.5
102	MP2C	Mx	-.006	1.5
103	MP3A	X	-37.78	1.5
104	MP3A	Z	21.812	1.5
105	MP3A	Mx	-.019	1.5
106	MP3B	X	-32.108	1.5
107	MP3B	Z	18.538	1.5
108	MP3B	Mx	.018	1.5
109	MP3C	X	-56.353	1.5
110	MP3C	Z	32.535	1.5
111	MP3C	Mx	-.006	1.5
112	OVP	X	-100.404	1.5
113	OVP	Z	57.968	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-24.154	4.5
2	MP2B	Z	0	4.5
3	MP2B	Mx	.005	4.5
4	MP3A	X	-28.729	3.42
5	MP3A	Z	0	3.42
6	MP3A	Mx	.014	3.42
7	MP3A	X	-28.729	5.42
8	MP3A	Z	0	5.42
9	MP3A	Mx	.014	5.42
10	MP3B	X	-51.325	3.42
11	MP3B	Z	0	3.42
12	MP3B	Mx	-.02	3.42
13	MP3B	X	-51.325	5.42
14	MP3B	Z	0	5.42
15	MP3B	Mx	-.02	5.42
16	MP3C	X	-77.022	3.42
17	MP3C	Z	0	3.42
18	MP3C	Mx	-.013	3.42
19	MP3C	X	-77.022	5.42
20	MP3C	Z	0	5.42
21	MP3C	Mx	-.013	5.42
22	MP2A	X	-50.435	1.92
23	MP2A	Z	0	1.92
24	MP2A	Mx	.025	1.92
25	MP2A	X	-50.435	6.92
26	MP2A	Z	0	6.92
27	MP2A	Mx	.025	6.92
28	MP2B	X	-50.435	1.92
29	MP2B	Z	0	1.92
30	MP2B	Mx	.025	1.92
31	MP2B	X	-50.435	6.92
32	MP2B	Z	0	6.92
33	MP2B	Mx	.025	6.92
34	MP2C	X	-50.435	1.92
35	MP2C	Z	0	1.92
36	MP2C	Mx	.025	1.92
37	MP2C	X	-50.435	6.92
38	MP2C	Z	0	6.92
39	MP2C	Mx	.025	6.92
40	MP2A	X	-50.435	1.92
41	MP2A	Z	0	1.92
42	MP2A	Mx	.025	1.92
43	MP2A	X	-50.435	6.92
44	MP2A	Z	0	6.92
45	MP2A	Mx	.025	6.92
46	MP2B	X	-50.435	1.92
47	MP2B	Z	0	1.92
48	MP2B	Mx	.025	1.92
49	MP2B	X	-50.435	6.92
50	MP2B	Z	0	6.92
51	MP2B	Mx	.025	6.92
52	MP2C	X	-50.435	1.92
53	MP2C	Z	0	1.92
54	MP2C	Mx	.025	1.92
55	MP2C	X	-50.435	6.92
56	MP2C	Z	0	6.92
57	MP2C	Mx	.025	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-183.615	.92
59	MP1A	Z	0	.92
60	MP1A	Mx	.092	.92
61	MP1A	X	-183.615	5.92
62	MP1A	Z	0	5.92
63	MP1A	Mx	.092	5.92
64	MP1B	X	-145.821	.92
65	MP1B	Z	0	.92
66	MP1B	Mx	-.056	.92
67	MP1B	X	-145.821	5.92
68	MP1B	Z	0	5.92
69	MP1B	Mx	-.056	5.92
70	MP1C	X	-102.844	.92
71	MP1C	Z	0	.92
72	MP1C	Mx	-.018	.92
73	MP1C	X	-102.844	5.92
74	MP1C	Z	0	5.92
75	MP1C	Mx	-.018	5.92
76	MP4A	X	-183.615	.92
77	MP4A	Z	0	.92
78	MP4A	Mx	.092	.92
79	MP4A	X	-183.615	5.92
80	MP4A	Z	0	5.92
81	MP4A	Mx	.092	5.92
82	MP4B	X	-145.821	.92
83	MP4B	Z	0	.92
84	MP4B	Mx	-.056	.92
85	MP4B	X	-145.821	5.92
86	MP4B	Z	0	5.92
87	MP4B	Mx	-.056	5.92
88	MP4C	X	-102.844	.92
89	MP4C	Z	0	.92
90	MP4C	Mx	-.018	.92
91	MP4C	X	-102.844	5.92
92	MP4C	Z	0	5.92
93	MP4C	Mx	-.018	5.92
94	MP2A	X	-44.263	1.5
95	MP2A	Z	0	1.5
96	MP2A	Mx	-.022	1.5
97	MP2B	X	-53.232	1.5
98	MP2B	Z	0	1.5
99	MP2B	Mx	.02	1.5
100	MP2C	X	-63.43	1.5
101	MP2C	Z	0	1.5
102	MP2C	Mx	.011	1.5
103	MP3A	X	-36.177	1.5
104	MP3A	Z	0	1.5
105	MP3A	Mx	-.018	1.5
106	MP3B	X	-48.486	1.5
107	MP3B	Z	0	1.5
108	MP3B	Mx	.019	1.5
109	MP3C	X	-62.484	1.5
110	MP3C	Z	0	1.5
111	MP3C	Mx	.011	1.5
112	OVP	X	-131.134	1.5
113	OVP	Z	0	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-32.501	4.5
2	MP2B	Z	-18.764	4.5
3	MP2B	Mx	.003	4.5
4	MP3A	X	-36.72	3.42
5	MP3A	Z	-21.201	3.42
6	MP3A	Mx	.018	3.42
7	MP3A	X	-36.72	5.42
8	MP3A	Z	-21.201	5.42
9	MP3A	Mx	.018	5.42
10	MP3B	X	-66.703	3.42
11	MP3B	Z	-38.511	3.42
12	MP3B	Mx	-.013	3.42
13	MP3B	X	-66.703	5.42
14	MP3B	Z	-38.511	5.42
15	MP3B	Mx	-.013	5.42
16	MP3C	X	-44.449	3.42
17	MP3C	Z	-25.663	3.42
18	MP3C	Mx	-.02	3.42
19	MP3C	X	-44.449	5.42
20	MP3C	Z	-25.663	5.42
21	MP3C	Mx	-.02	5.42
22	MP2A	X	-58.145	1.92
23	MP2A	Z	-33.57	1.92
24	MP2A	Mx	.009	1.92
25	MP2A	X	-58.145	6.92
26	MP2A	Z	-33.57	6.92
27	MP2A	Mx	.009	6.92
28	MP2B	X	-58.145	1.92
29	MP2B	Z	-33.57	1.92
30	MP2B	Mx	.009	1.92
31	MP2B	X	-58.145	6.92
32	MP2B	Z	-33.57	6.92
33	MP2B	Mx	.009	6.92
34	MP2C	X	-58.145	1.92
35	MP2C	Z	-33.57	1.92
36	MP2C	Mx	.009	1.92
37	MP2C	X	-58.145	6.92
38	MP2C	Z	-33.57	6.92
39	MP2C	Mx	.009	6.92
40	MP2A	X	-58.145	1.92
41	MP2A	Z	-33.57	1.92
42	MP2A	Mx	.049	1.92
43	MP2A	X	-58.145	6.92
44	MP2A	Z	-33.57	6.92
45	MP2A	Mx	.049	6.92
46	MP2B	X	-58.145	1.92
47	MP2B	Z	-33.57	1.92
48	MP2B	Mx	.049	1.92
49	MP2B	X	-58.145	6.92
50	MP2B	Z	-33.57	6.92
51	MP2B	Mx	.049	6.92
52	MP2C	X	-58.145	1.92
53	MP2C	Z	-33.57	1.92
54	MP2C	Mx	.049	1.92
55	MP2C	X	-58.145	6.92
56	MP2C	Z	-33.57	6.92
57	MP2C	Mx	.049	6.92





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-139.211	.92
59	MP1A	Z	-80.374	.92
60	MP1A	Mx	.07	.92
61	MP1A	X	-139.211	5.92
62	MP1A	Z	-80.374	5.92
63	MP1A	Mx	.07	5.92
64	MP1B	X	-89.066	.92
65	MP1B	Z	-51.422	.92
66	MP1B	Mx	-.018	.92
67	MP1B	X	-89.066	5.92
68	MP1B	Z	-51.422	5.92
69	MP1B	Mx	-.018	5.92
70	MP1C	X	-126.285	.92
71	MP1C	Z	-72.911	.92
72	MP1C	Mx	-.056	.92
73	MP1C	X	-126.285	5.92
74	MP1C	Z	-72.911	5.92
75	MP1C	Mx	-.056	5.92
76	MP4A	X	-139.211	.92
77	MP4A	Z	-80.374	.92
78	MP4A	Mx	.07	.92
79	MP4A	X	-139.211	5.92
80	MP4A	Z	-80.374	5.92
81	MP4A	Mx	.07	5.92
82	MP4B	X	-89.066	.92
83	MP4B	Z	-51.422	.92
84	MP4B	Mx	-.018	.92
85	MP4B	X	-89.066	5.92
86	MP4B	Z	-51.422	5.92
87	MP4B	Mx	-.018	5.92
88	MP4C	X	-126.285	.92
89	MP4C	Z	-72.911	.92
90	MP4C	Mx	-.056	.92
91	MP4C	X	-126.285	5.92
92	MP4C	Z	-72.911	5.92
93	MP4C	Mx	-.056	5.92
94	MP2A	X	-43.033	1.5
95	MP2A	Z	-24.845	1.5
96	MP2A	Mx	-.022	1.5
97	MP2B	X	-54.932	1.5
98	MP2B	Z	-31.715	1.5
99	MP2B	Mx	.011	1.5
100	MP2C	X	-46.1	1.5
101	MP2C	Z	-26.616	1.5
102	MP2C	Mx	.02	1.5
103	MP3A	X	-37.78	1.5
104	MP3A	Z	-21.812	1.5
105	MP3A	Mx	-.019	1.5
106	MP3B	X	-54.113	1.5
107	MP3B	Z	-31.242	1.5
108	MP3B	Mx	.011	1.5
109	MP3C	X	-41.99	1.5
110	MP3C	Z	-24.243	1.5
111	MP3C	Mx	.019	1.5
112	OVP	X	-115.997	1.5
113	OVP	Z	-66.971	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-20	4.5
2	MP2B	Z	-34.641	4.5
3	MP2B	Mx	-.002	4.5
4	MP3A	X	-34.873	3.42
5	MP3A	Z	-60.402	3.42
6	MP3A	Mx	.017	3.42
7	MP3A	X	-34.873	5.42
8	MP3A	Z	-60.402	5.42
9	MP3A	Mx	.017	5.42
10	MP3B	X	-40.885	3.42
11	MP3B	Z	-70.815	3.42
12	MP3B	Mx	.007	3.42
13	MP3B	X	-40.885	5.42
14	MP3B	Z	-70.815	5.42
15	MP3B	Mx	.007	5.42
16	MP3C	X	-15.189	3.42
17	MP3C	Z	-26.308	3.42
18	MP3C	Mx	-.015	3.42
19	MP3C	X	-15.189	5.42
20	MP3C	Z	-26.308	5.42
21	MP3C	Mx	-.015	5.42
22	MP2A	X	-50.275	1.92
23	MP2A	Z	-87.079	1.92
24	MP2A	Mx	-.026	1.92
25	MP2A	X	-50.275	6.92
26	MP2A	Z	-87.079	6.92
27	MP2A	Mx	-.026	6.92
28	MP2B	X	-50.275	1.92
29	MP2B	Z	-87.079	1.92
30	MP2B	Mx	-.026	1.92
31	MP2B	X	-50.275	6.92
32	MP2B	Z	-87.079	6.92
33	MP2B	Mx	-.026	6.92
34	MP2C	X	-50.275	1.92
35	MP2C	Z	-87.079	1.92
36	MP2C	Mx	-.026	1.92
37	MP2C	X	-50.275	6.92
38	MP2C	Z	-87.079	6.92
39	MP2C	Mx	-.026	6.92
40	MP2A	X	-50.275	1.92
41	MP2A	Z	-87.079	1.92
42	MP2A	Mx	.076	1.92
43	MP2A	X	-50.275	6.92
44	MP2A	Z	-87.079	6.92
45	MP2A	Mx	.076	6.92
46	MP2B	X	-50.275	1.92
47	MP2B	Z	-87.079	1.92
48	MP2B	Mx	.076	1.92
49	MP2B	X	-50.275	6.92
50	MP2B	Z	-87.079	6.92
51	MP2B	Mx	.076	6.92
52	MP2C	X	-50.275	1.92
53	MP2C	Z	-87.079	1.92
54	MP2C	Mx	.076	1.92
55	MP2C	X	-50.275	6.92
56	MP2C	Z	-87.079	6.92
57	MP2C	Mx	.076	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-57.506	.92
59	MP1A	Z	-99.603	.92
60	MP1A	Mx	.029	.92
61	MP1A	X	-57.506	5.92
62	MP1A	Z	-99.603	5.92
63	MP1A	Mx	.029	5.92
64	MP1B	X	-47.451	.92
65	MP1B	Z	-82.188	.92
66	MP1B	Mx	.008	.92
67	MP1B	X	-47.451	5.92
68	MP1B	Z	-82.188	5.92
69	MP1B	Mx	.008	5.92
70	MP1C	X	-90.428	.92
71	MP1C	Z	-156.626	.92
72	MP1C	Mx	-.089	.92
73	MP1C	X	-90.428	5.92
74	MP1C	Z	-156.626	5.92
75	MP1C	Mx	-.089	5.92
76	MP4A	X	-57.506	.92
77	MP4A	Z	-99.603	.92
78	MP4A	Mx	.029	.92
79	MP4A	X	-57.506	5.92
80	MP4A	Z	-99.603	5.92
81	MP4A	Mx	.029	5.92
82	MP4B	X	-47.451	.92
83	MP4B	Z	-82.188	.92
84	MP4B	Mx	.008	.92
85	MP4B	X	-47.451	5.92
86	MP4B	Z	-82.188	5.92
87	MP4B	Mx	.008	5.92
88	MP4C	X	-90.428	.92
89	MP4C	Z	-156.626	.92
90	MP4C	Mx	-.089	.92
91	MP4C	X	-90.428	5.92
92	MP4C	Z	-156.626	5.92
93	MP4C	Mx	-.089	5.92
94	MP2A	X	-30.271	1.5
95	MP2A	Z	-52.432	1.5
96	MP2A	Mx	-.015	1.5
97	MP2B	X	-32.657	1.5
98	MP2B	Z	-56.564	1.5
99	MP2B	Mx	-.006	1.5
100	MP2C	X	-22.459	1.5
101	MP2C	Z	-38.9	1.5
102	MP2C	Mx	.022	1.5
103	MP3A	X	-29.261	1.5
104	MP3A	Z	-50.681	1.5
105	MP3A	Mx	-.015	1.5
106	MP3B	X	-32.535	1.5
107	MP3B	Z	-56.353	1.5
108	MP3B	Mx	-.006	1.5
109	MP3C	X	-18.538	1.5
110	MP3C	Z	-32.108	1.5
111	MP3C	Mx	.018	1.5
112	OVP	X	-60.776	1.5
113	OVP	Z	-105.268	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	0	4.5
2	MP2B	Z	-6.761	4.5
3	MP2B	Mx	-.001	4.5
4	MP3A	X	0	3.42
5	MP3A	Z	-19.632	3.42
6	MP3A	Mx	0	3.42
7	MP3A	X	0	5.42
8	MP3A	Z	-19.632	5.42
9	MP3A	Mx	0	5.42
10	MP3B	X	0	3.42
11	MP3B	Z	-14.978	3.42
12	MP3B	Mx	.005	3.42
13	MP3B	X	0	5.42
14	MP3B	Z	-14.978	5.42
15	MP3B	Mx	.005	5.42
16	MP3C	X	0	3.42
17	MP3C	Z	-9.685	3.42
18	MP3C	Mx	-.005	3.42
19	MP3C	X	0	5.42
20	MP3C	Z	-9.685	5.42
21	MP3C	Mx	-.005	5.42
22	MP2A	X	0	1.92
23	MP2A	Z	-33.267	1.92
24	MP2A	Mx	-.019	1.92
25	MP2A	X	0	6.92
26	MP2A	Z	-33.267	6.92
27	MP2A	Mx	-.019	6.92
28	MP2B	X	0	1.92
29	MP2B	Z	-33.267	1.92
30	MP2B	Mx	-.019	1.92
31	MP2B	X	0	6.92
32	MP2B	Z	-33.267	6.92
33	MP2B	Mx	-.019	6.92
34	MP2C	X	0	1.92
35	MP2C	Z	-33.267	1.92
36	MP2C	Mx	-.019	1.92
37	MP2C	X	0	6.92
38	MP2C	Z	-33.267	6.92
39	MP2C	Mx	-.019	6.92
40	MP2A	X	0	1.92
41	MP2A	Z	-33.267	1.92
42	MP2A	Mx	.019	1.92
43	MP2A	X	0	6.92
44	MP2A	Z	-33.267	6.92
45	MP2A	Mx	.019	6.92
46	MP2B	X	0	1.92
47	MP2B	Z	-33.267	1.92
48	MP2B	Mx	.019	1.92
49	MP2B	X	0	6.92
50	MP2B	Z	-33.267	6.92
51	MP2B	Mx	.019	6.92
52	MP2C	X	0	1.92
53	MP2C	Z	-33.267	1.92
54	MP2C	Mx	.019	1.92
55	MP2C	X	0	6.92
56	MP2C	Z	-33.267	6.92
57	MP2C	Mx	.019	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	0	.92
59	MP1A	Z	-18.794	.92
60	MP1A	Mx	0	.92
61	MP1A	X	0	5.92
62	MP1A	Z	-18.794	5.92
63	MP1A	Mx	0	5.92
64	MP1B	X	0	.92
65	MP1B	Z	-25.507	.92
66	MP1B	Mx	.008	.92
67	MP1B	X	0	5.92
68	MP1B	Z	-25.507	5.92
69	MP1B	Mx	.008	5.92
70	MP1C	X	0	.92
71	MP1C	Z	-33.14	.92
72	MP1C	Mx	-.016	.92
73	MP1C	X	0	5.92
74	MP1C	Z	-33.14	5.92
75	MP1C	Mx	-.016	5.92
76	MP4A	X	0	.92
77	MP4A	Z	-18.794	.92
78	MP4A	Mx	0	.92
79	MP4A	X	0	5.92
80	MP4A	Z	-18.794	5.92
81	MP4A	Mx	0	5.92
82	MP4B	X	0	.92
83	MP4B	Z	-25.507	.92
84	MP4B	Mx	.008	.92
85	MP4B	X	0	5.92
86	MP4B	Z	-25.507	5.92
87	MP4B	Mx	.008	5.92
88	MP4C	X	0	.92
89	MP4C	Z	-33.14	.92
90	MP4C	Mx	-.016	.92
91	MP4C	X	0	5.92
92	MP4C	Z	-33.14	5.92
93	MP4C	Mx	-.016	5.92
94	MP2A	X	0	1.5
95	MP2A	Z	-16.552	1.5
96	MP2A	Mx	0	1.5
97	MP2B	X	0	1.5
98	MP2B	Z	-14.472	1.5
99	MP2B	Mx	-.005	1.5
100	MP2C	X	0	1.5
101	MP2C	Z	-12.106	1.5
102	MP2C	Mx	.006	1.5
103	MP3A	X	0	1.5
104	MP3A	Z	-16.552	1.5
105	MP3A	Mx	0	1.5
106	MP3B	X	0	1.5
107	MP3B	Z	-13.681	1.5
108	MP3B	Mx	-.004	1.5
109	MP3C	X	0	1.5
110	MP3C	Z	-10.416	1.5
111	MP3C	Mx	.005	1.5
112	OVP	X	0	1.5
113	OVP	Z	-27.462	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	2.049	4.5
2	MP2B	Z	-3.549	4.5
3	MP2B	Mx	-.000963	4.5
4	MP3A	X	8.408	3.42
5	MP3A	Z	-14.563	3.42
6	MP3A	Mx	-.004	3.42
7	MP3A	X	8.408	5.42
8	MP3A	Z	-14.563	5.42
9	MP3A	Mx	-.004	5.42
10	MP3B	X	4.843	3.42
11	MP3B	Z	-8.388	3.42
12	MP3B	Mx	.005	3.42
13	MP3B	X	4.843	5.42
14	MP3B	Z	-8.388	5.42
15	MP3B	Mx	.005	5.42
16	MP3C	X	7.489	3.42
17	MP3C	Z	-12.971	3.42
18	MP3C	Mx	-.005	3.42
19	MP3C	X	7.489	5.42
20	MP3C	Z	-12.971	5.42
21	MP3C	Mx	-.005	5.42
22	MP2A	X	15.344	1.92
23	MP2A	Z	-26.576	1.92
24	MP2A	Mx	-.023	1.92
25	MP2A	X	15.344	6.92
26	MP2A	Z	-26.576	6.92
27	MP2A	Mx	-.023	6.92
28	MP2B	X	15.344	1.92
29	MP2B	Z	-26.576	1.92
30	MP2B	Mx	-.023	1.92
31	MP2B	X	15.344	6.92
32	MP2B	Z	-26.576	6.92
33	MP2B	Mx	-.023	6.92
34	MP2C	X	15.344	1.92
35	MP2C	Z	-26.576	1.92
36	MP2C	Mx	-.023	1.92
37	MP2C	X	15.344	6.92
38	MP2C	Z	-26.576	6.92
39	MP2C	Mx	-.023	6.92
40	MP2A	X	15.344	1.92
41	MP2A	Z	-26.576	1.92
42	MP2A	Mx	.008	1.92
43	MP2A	X	15.344	6.92
44	MP2A	Z	-26.576	6.92
45	MP2A	Mx	.008	6.92
46	MP2B	X	15.344	1.92
47	MP2B	Z	-26.576	1.92
48	MP2B	Mx	.008	1.92
49	MP2B	X	15.344	6.92
50	MP2B	Z	-26.576	6.92
51	MP2B	Mx	.008	6.92
52	MP2C	X	15.344	1.92
53	MP2C	Z	-26.576	1.92
54	MP2C	Mx	.008	1.92
55	MP2C	X	15.344	6.92
56	MP2C	Z	-26.576	6.92
57	MP2C	Mx	.008	6.92





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	11.428	.92
59	MP1A	Z	-19.794	.92
60	MP1A	Mx	-.006	.92
61	MP1A	X	11.428	5.92
62	MP1A	Z	-19.794	5.92
63	MP1A	Mx	-.006	5.92
64	MP1B	X	16.57	.92
65	MP1B	Z	-28.7	.92
66	MP1B	Mx	.016	.92
67	MP1B	X	16.57	5.92
68	MP1B	Z	-28.7	5.92
69	MP1B	Mx	.016	5.92
70	MP1C	X	12.753	.92
71	MP1C	Z	-22.089	.92
72	MP1C	Mx	-.008	.92
73	MP1C	X	12.753	5.92
74	MP1C	Z	-22.089	5.92
75	MP1C	Mx	-.008	5.92
76	MP4A	X	11.428	.92
77	MP4A	Z	-19.794	.92
78	MP4A	Mx	-.006	.92
79	MP4A	X	11.428	5.92
80	MP4A	Z	-19.794	5.92
81	MP4A	Mx	-.006	5.92
82	MP4B	X	16.57	.92
83	MP4B	Z	-28.7	.92
84	MP4B	Mx	.016	.92
85	MP4B	X	16.57	5.92
86	MP4B	Z	-28.7	5.92
87	MP4B	Mx	.016	5.92
88	MP4C	X	12.753	.92
89	MP4C	Z	-22.089	.92
90	MP4C	Mx	-.008	.92
91	MP4C	X	12.753	5.92
92	MP4C	Z	-22.089	5.92
93	MP4C	Mx	-.008	5.92
94	MP2A	X	7.647	1.5
95	MP2A	Z	-13.245	1.5
96	MP2A	Mx	.004	1.5
97	MP2B	X	6.053	1.5
98	MP2B	Z	-10.484	1.5
99	MP2B	Mx	-.006	1.5
100	MP2C	X	7.236	1.5
101	MP2C	Z	-12.533	1.5
102	MP2C	Mx	.005	1.5
103	MP3A	X	7.408	1.5
104	MP3A	Z	-12.83	1.5
105	MP3A	Mx	.004	1.5
106	MP3B	X	5.208	1.5
107	MP3B	Z	-9.021	1.5
108	MP3B	Mx	-.005	1.5
109	MP3C	X	6.841	1.5
110	MP3C	Z	-11.848	1.5
111	MP3C	Mx	.004	1.5
112	OVP	X	13.409	1.5
113	OVP	Z	-23.226	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	3.122	4.5
2	MP2B	Z	-1.803	4.5
3	MP2B	Mx	-.000888	4.5
4	MP3A	X	9.685	3.42
5	MP3A	Z	-5.592	3.42
6	MP3A	Mx	-.005	3.42
7	MP3A	X	9.685	5.42
8	MP3A	Z	-5.592	5.42
9	MP3A	Mx	-.005	5.42
10	MP3B	X	7.541	3.42
11	MP3B	Z	-4.354	3.42
12	MP3B	Mx	.004	3.42
13	MP3B	X	7.541	5.42
14	MP3B	Z	-4.354	5.42
15	MP3B	Mx	.004	5.42
16	MP3C	X	16.708	3.42
17	MP3C	Z	-9.646	3.42
18	MP3C	Mx	-.002	3.42
19	MP3C	X	16.708	5.42
20	MP3C	Z	-9.646	5.42
21	MP3C	Mx	-.002	5.42
22	MP2A	X	22.109	1.92
23	MP2A	Z	-12.764	1.92
24	MP2A	Mx	-.018	1.92
25	MP2A	X	22.109	6.92
26	MP2A	Z	-12.764	6.92
27	MP2A	Mx	-.018	6.92
28	MP2B	X	22.109	1.92
29	MP2B	Z	-12.764	1.92
30	MP2B	Mx	-.018	1.92
31	MP2B	X	22.109	6.92
32	MP2B	Z	-12.764	6.92
33	MP2B	Mx	-.018	6.92
34	MP2C	X	22.109	1.92
35	MP2C	Z	-12.764	1.92
36	MP2C	Mx	-.018	1.92
37	MP2C	X	22.109	6.92
38	MP2C	Z	-12.764	6.92
39	MP2C	Mx	-.018	6.92
40	MP2A	X	22.109	1.92
41	MP2A	Z	-12.764	1.92
42	MP2A	Mx	-.004	1.92
43	MP2A	X	22.109	6.92
44	MP2A	Z	-12.764	6.92
45	MP2A	Mx	-.004	6.92
46	MP2B	X	22.109	1.92
47	MP2B	Z	-12.764	1.92
48	MP2B	Mx	-.004	1.92
49	MP2B	X	22.109	6.92
50	MP2B	Z	-12.764	6.92
51	MP2B	Mx	-.004	6.92
52	MP2C	X	22.109	1.92
53	MP2C	Z	-12.764	1.92
54	MP2C	Mx	-.004	1.92
55	MP2C	X	22.109	6.92
56	MP2C	Z	-12.764	6.92
57	MP2C	Mx	-.004	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	26.828	.92
59	MP1A	Z	-15.489	.92
60	MP1A	Mx	-.013	.92
61	MP1A	X	26.828	5.92
62	MP1A	Z	-15.489	5.92
63	MP1A	Mx	-.013	5.92
64	MP1B	X	29.921	.92
65	MP1B	Z	-17.275	.92
66	MP1B	Mx	.017	.92
67	MP1B	X	29.921	5.92
68	MP1B	Z	-17.275	5.92
69	MP1B	Mx	.017	5.92
70	MP1C	X	16.701	.92
71	MP1C	Z	-9.642	.92
72	MP1C	Mx	-.002	.92
73	MP1C	X	16.701	5.92
74	MP1C	Z	-9.642	5.92
75	MP1C	Mx	-.002	5.92
76	MP4A	X	26.828	.92
77	MP4A	Z	-15.489	.92
78	MP4A	Mx	-.013	.92
79	MP4A	X	26.828	5.92
80	MP4A	Z	-15.489	5.92
81	MP4A	Mx	-.013	5.92
82	MP4B	X	29.921	.92
83	MP4B	Z	-17.275	.92
84	MP4B	Mx	.017	.92
85	MP4B	X	29.921	5.92
86	MP4B	Z	-17.275	5.92
87	MP4B	Mx	.017	5.92
88	MP4C	X	16.701	.92
89	MP4C	Z	-9.642	.92
90	MP4C	Mx	-.002	.92
91	MP4C	X	16.701	5.92
92	MP4C	Z	-9.642	5.92
93	MP4C	Mx	-.002	5.92
94	MP2A	X	11.064	1.5
95	MP2A	Z	-6.388	1.5
96	MP2A	Mx	.006	1.5
97	MP2B	X	10.105	1.5
98	MP2B	Z	-5.834	1.5
99	MP2B	Mx	-.006	1.5
100	MP2C	X	14.203	1.5
101	MP2C	Z	-8.2	1.5
102	MP2C	Mx	.001	1.5
103	MP3A	X	9.821	1.5
104	MP3A	Z	-5.67	1.5
105	MP3A	Mx	.005	1.5
106	MP3B	X	8.498	1.5
107	MP3B	Z	-4.907	1.5
108	MP3B	Mx	-.005	1.5
109	MP3C	X	14.153	1.5
110	MP3C	Z	-8.171	1.5
111	MP3C	Mx	.001	1.5
112	OVP	X	25.684	1.5
113	OVP	Z	-14.829	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	5.777	4.5
2	MP2B	Z	0	4.5
3	MP2B	Mx	-.001	4.5
4	MP3A	X	8.367	3.42
5	MP3A	Z	0	3.42
6	MP3A	Mx	-.004	3.42
7	MP3A	X	8.367	5.42
8	MP3A	Z	0	5.42
9	MP3A	Mx	-.004	5.42
10	MP3B	X	13.022	3.42
11	MP3B	Z	0	3.42
12	MP3B	Mx	.005	3.42
13	MP3B	X	13.022	5.42
14	MP3B	Z	0	5.42
15	MP3B	Mx	.005	5.42
16	MP3C	X	18.314	3.42
17	MP3C	Z	0	3.42
18	MP3C	Mx	.003	3.42
19	MP3C	X	18.314	5.42
20	MP3C	Z	0	5.42
21	MP3C	Mx	.003	5.42
22	MP2A	X	22.949	1.92
23	MP2A	Z	0	1.92
24	MP2A	Mx	-.011	1.92
25	MP2A	X	22.949	6.92
26	MP2A	Z	0	6.92
27	MP2A	Mx	-.011	6.92
28	MP2B	X	22.949	1.92
29	MP2B	Z	0	1.92
30	MP2B	Mx	-.011	1.92
31	MP2B	X	22.949	6.92
32	MP2B	Z	0	6.92
33	MP2B	Mx	-.011	6.92
34	MP2C	X	22.949	1.92
35	MP2C	Z	0	1.92
36	MP2C	Mx	-.011	1.92
37	MP2C	X	22.949	6.92
38	MP2C	Z	0	6.92
39	MP2C	Mx	-.011	6.92
40	MP2A	X	22.949	1.92
41	MP2A	Z	0	1.92
42	MP2A	Mx	-.011	1.92
43	MP2A	X	22.949	6.92
44	MP2A	Z	0	6.92
45	MP2A	Mx	-.011	6.92
46	MP2B	X	22.949	1.92
47	MP2B	Z	0	1.92
48	MP2B	Mx	-.011	1.92
49	MP2B	X	22.949	6.92
50	MP2B	Z	0	6.92
51	MP2B	Mx	-.011	6.92
52	MP2C	X	22.949	1.92
53	MP2C	Z	0	1.92
54	MP2C	Mx	-.011	1.92
55	MP2C	X	22.949	6.92
56	MP2C	Z	0	6.92
57	MP2C	Mx	-.011	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	35.04	.92
59	MP1A	Z	0	.92
60	MP1A	Mx	-.018	.92
61	MP1A	X	35.04	5.92
62	MP1A	Z	0	5.92
63	MP1A	Mx	-.018	5.92
64	MP1B	X	28.328	.92
65	MP1B	Z	0	.92
66	MP1B	Mx	.011	.92
67	MP1B	X	28.328	5.92
68	MP1B	Z	0	5.92
69	MP1B	Mx	.011	5.92
70	MP1C	X	20.695	.92
71	MP1C	Z	0	.92
72	MP1C	Mx	.004	.92
73	MP1C	X	20.695	5.92
74	MP1C	Z	0	5.92
75	MP1C	Mx	.004	5.92
76	MP4A	X	35.04	.92
77	MP4A	Z	0	.92
78	MP4A	Mx	-.018	.92
79	MP4A	X	35.04	5.92
80	MP4A	Z	0	5.92
81	MP4A	Mx	-.018	5.92
82	MP4B	X	28.328	.92
83	MP4B	Z	0	.92
84	MP4B	Mx	.011	.92
85	MP4B	X	28.328	5.92
86	MP4B	Z	0	5.92
87	MP4B	Mx	.011	5.92
88	MP4C	X	20.695	.92
89	MP4C	Z	0	.92
90	MP4C	Mx	.004	.92
91	MP4C	X	20.695	5.92
92	MP4C	Z	0	5.92
93	MP4C	Mx	.004	5.92
94	MP2A	X	11.517	1.5
95	MP2A	Z	0	1.5
96	MP2A	Mx	.006	1.5
97	MP2B	X	13.598	1.5
98	MP2B	Z	0	1.5
99	MP2B	Mx	-.005	1.5
100	MP2C	X	15.963	1.5
101	MP2C	Z	0	1.5
102	MP2C	Mx	-.003	1.5
103	MP3A	X	9.603	1.5
104	MP3A	Z	0	1.5
105	MP3A	Mx	.005	1.5
106	MP3B	X	12.475	1.5
107	MP3B	Z	0	1.5
108	MP3B	Mx	-.005	1.5
109	MP3C	X	15.74	1.5
110	MP3C	Z	0	1.5
111	MP3C	Mx	-.003	1.5
112	OVP	X	33.139	1.5
113	OVP	Z	0	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	7.309	4.5
2	MP2B	Z	4.22	4.5
3	MP2B	Mx	-.000722	4.5
4	MP3A	X	9.685	3.42
5	MP3A	Z	5.592	3.42
6	MP3A	Mx	-.005	3.42
7	MP3A	X	9.685	5.42
8	MP3A	Z	5.592	5.42
9	MP3A	Mx	-.005	5.42
10	MP3B	X	15.861	3.42
11	MP3B	Z	9.157	3.42
12	MP3B	Mx	.003	3.42
13	MP3B	X	15.861	5.42
14	MP3B	Z	9.157	5.42
15	MP3B	Mx	.003	5.42
16	MP3C	X	11.277	3.42
17	MP3C	Z	6.511	3.42
18	MP3C	Mx	.005	3.42
19	MP3C	X	11.277	5.42
20	MP3C	Z	6.511	5.42
21	MP3C	Mx	.005	5.42
22	MP2A	X	22.109	1.92
23	MP2A	Z	12.764	1.92
24	MP2A	Mx	-.004	1.92
25	MP2A	X	22.109	6.92
26	MP2A	Z	12.764	6.92
27	MP2A	Mx	-.004	6.92
28	MP2B	X	22.109	1.92
29	MP2B	Z	12.764	1.92
30	MP2B	Mx	-.004	1.92
31	MP2B	X	22.109	6.92
32	MP2B	Z	12.764	6.92
33	MP2B	Mx	-.004	6.92
34	MP2C	X	22.109	1.92
35	MP2C	Z	12.764	1.92
36	MP2C	Mx	-.004	1.92
37	MP2C	X	22.109	6.92
38	MP2C	Z	12.764	6.92
39	MP2C	Mx	-.004	6.92
40	MP2A	X	22.109	1.92
41	MP2A	Z	12.764	1.92
42	MP2A	Mx	-.018	1.92
43	MP2A	X	22.109	6.92
44	MP2A	Z	12.764	6.92
45	MP2A	Mx	-.018	6.92
46	MP2B	X	22.109	1.92
47	MP2B	Z	12.764	1.92
48	MP2B	Mx	-.018	1.92
49	MP2B	X	22.109	6.92
50	MP2B	Z	12.764	6.92
51	MP2B	Mx	-.018	6.92
52	MP2C	X	22.109	1.92
53	MP2C	Z	12.764	1.92
54	MP2C	Mx	-.018	1.92
55	MP2C	X	22.109	6.92
56	MP2C	Z	12.764	6.92
57	MP2C	Mx	-.018	6.92





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	26.828	.92
59	MP1A	Z	15.489	.92
60	MP1A	Mx	-.013	.92
61	MP1A	X	26.828	5.92
62	MP1A	Z	15.489	5.92
63	MP1A	Mx	-.013	5.92
64	MP1B	X	17.922	.92
65	MP1B	Z	10.347	.92
66	MP1B	Mx	.004	.92
67	MP1B	X	17.922	5.92
68	MP1B	Z	10.347	5.92
69	MP1B	Mx	.004	5.92
70	MP1C	X	24.532	.92
71	MP1C	Z	14.164	.92
72	MP1C	Mx	.011	.92
73	MP1C	X	24.532	5.92
74	MP1C	Z	14.164	5.92
75	MP1C	Mx	.011	5.92
76	MP4A	X	26.828	.92
77	MP4A	Z	15.489	.92
78	MP4A	Mx	-.013	.92
79	MP4A	X	26.828	5.92
80	MP4A	Z	15.489	5.92
81	MP4A	Mx	-.013	5.92
82	MP4B	X	17.922	.92
83	MP4B	Z	10.347	.92
84	MP4B	Mx	.004	.92
85	MP4B	X	17.922	5.92
86	MP4B	Z	10.347	5.92
87	MP4B	Mx	.004	5.92
88	MP4C	X	24.532	.92
89	MP4C	Z	14.164	.92
90	MP4C	Mx	.011	.92
91	MP4C	X	24.532	5.92
92	MP4C	Z	14.164	5.92
93	MP4C	Mx	.011	5.92
94	MP2A	X	11.064	1.5
95	MP2A	Z	6.388	1.5
96	MP2A	Mx	.006	1.5
97	MP2B	X	13.825	1.5
98	MP2B	Z	7.982	1.5
99	MP2B	Mx	-.003	1.5
100	MP2C	X	11.776	1.5
101	MP2C	Z	6.799	1.5
102	MP2C	Mx	-.005	1.5
103	MP3A	X	9.821	1.5
104	MP3A	Z	5.67	1.5
105	MP3A	Mx	.005	1.5
106	MP3B	X	13.631	1.5
107	MP3B	Z	7.87	1.5
108	MP3B	Mx	-.003	1.5
109	MP3C	X	10.803	1.5
110	MP3C	Z	6.237	1.5
111	MP3C	Mx	-.005	1.5
112	OVP	X	29.256	1.5
113	OVP	Z	16.891	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	4.466	4.5
2	MP2B	Z	7.735	4.5
3	MP2B	Mx	.000388	4.5
4	MP3A	X	8.408	3.42
5	MP3A	Z	14.563	3.42
6	MP3A	Mx	-.004	3.42
7	MP3A	X	8.408	5.42
8	MP3A	Z	14.563	5.42
9	MP3A	Mx	-.004	5.42
10	MP3B	X	9.646	3.42
11	MP3B	Z	16.708	3.42
12	MP3B	Mx	-.002	3.42
13	MP3B	X	9.646	5.42
14	MP3B	Z	16.708	5.42
15	MP3B	Mx	-.002	5.42
16	MP3C	X	4.354	3.42
17	MP3C	Z	7.541	3.42
18	MP3C	Mx	.004	3.42
19	MP3C	X	4.354	5.42
20	MP3C	Z	7.541	5.42
21	MP3C	Mx	.004	5.42
22	MP2A	X	15.344	1.92
23	MP2A	Z	26.576	1.92
24	MP2A	Mx	.008	1.92
25	MP2A	X	15.344	6.92
26	MP2A	Z	26.576	6.92
27	MP2A	Mx	.008	6.92
28	MP2B	X	15.344	1.92
29	MP2B	Z	26.576	1.92
30	MP2B	Mx	.008	1.92
31	MP2B	X	15.344	6.92
32	MP2B	Z	26.576	6.92
33	MP2B	Mx	.008	6.92
34	MP2C	X	15.344	1.92
35	MP2C	Z	26.576	1.92
36	MP2C	Mx	.008	1.92
37	MP2C	X	15.344	6.92
38	MP2C	Z	26.576	6.92
39	MP2C	Mx	.008	6.92
40	MP2A	X	15.344	1.92
41	MP2A	Z	26.576	1.92
42	MP2A	Mx	-.023	1.92
43	MP2A	X	15.344	6.92
44	MP2A	Z	26.576	6.92
45	MP2A	Mx	-.023	6.92
46	MP2B	X	15.344	1.92
47	MP2B	Z	26.576	1.92
48	MP2B	Mx	-.023	1.92
49	MP2B	X	15.344	6.92
50	MP2B	Z	26.576	6.92
51	MP2B	Mx	-.023	6.92
52	MP2C	X	15.344	1.92
53	MP2C	Z	26.576	1.92
54	MP2C	Mx	-.023	1.92
55	MP2C	X	15.344	6.92
56	MP2C	Z	26.576	6.92
57	MP2C	Mx	-.023	6.92

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	11.428	.92
59	MP1A	Z	19.794	.92
60	MP1A	Mx	-.006	.92
61	MP1A	X	11.428	5.92
62	MP1A	Z	19.794	5.92
63	MP1A	Mx	-.006	5.92
64	MP1B	X	9.642	.92
65	MP1B	Z	16.701	.92
66	MP1B	Mx	-.002	.92
67	MP1B	X	9.642	5.92
68	MP1B	Z	16.701	5.92
69	MP1B	Mx	-.002	5.92
70	MP1C	X	17.275	.92
71	MP1C	Z	29.921	.92
72	MP1C	Mx	.017	.92
73	MP1C	X	17.275	5.92
74	MP1C	Z	29.921	5.92
75	MP1C	Mx	.017	5.92
76	MP4A	X	11.428	.92
77	MP4A	Z	19.794	.92
78	MP4A	Mx	-.006	.92
79	MP4A	X	11.428	5.92
80	MP4A	Z	19.794	5.92
81	MP4A	Mx	-.006	5.92
82	MP4B	X	9.642	.92
83	MP4B	Z	16.701	.92
84	MP4B	Mx	-.002	.92
85	MP4B	X	9.642	5.92
86	MP4B	Z	16.701	5.92
87	MP4B	Mx	-.002	5.92
88	MP4C	X	17.275	.92
89	MP4C	Z	29.921	.92
90	MP4C	Mx	.017	.92
91	MP4C	X	17.275	5.92
92	MP4C	Z	29.921	5.92
93	MP4C	Mx	.017	5.92
94	MP2A	X	7.647	1.5
95	MP2A	Z	13.245	1.5
96	MP2A	Mx	.004	1.5
97	MP2B	X	8.2	1.5
98	MP2B	Z	14.203	1.5
99	MP2B	Mx	.001	1.5
100	MP2C	X	5.834	1.5
101	MP2C	Z	10.105	1.5
102	MP2C	Mx	-.006	1.5
103	MP3A	X	7.408	1.5
104	MP3A	Z	12.83	1.5
105	MP3A	Mx	.004	1.5
106	MP3B	X	8.171	1.5
107	MP3B	Z	14.153	1.5
108	MP3B	Mx	.001	1.5
109	MP3C	X	4.907	1.5
110	MP3C	Z	8.498	1.5
111	MP3C	Mx	-.005	1.5
112	OVP	X	15.472	1.5
113	OVP	Z	26.798	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	0	4.5
2	MP2B	Z	6.761	4.5
3	MP2B	Mx	.001	4.5
4	MP3A	X	0	3.42
5	MP3A	Z	19.632	3.42
6	MP3A	Mx	0	3.42
7	MP3A	X	0	5.42
8	MP3A	Z	19.632	5.42
9	MP3A	Mx	0	5.42
10	MP3B	X	0	3.42
11	MP3B	Z	14.978	3.42
12	MP3B	Mx	-.005	3.42
13	MP3B	X	0	5.42
14	MP3B	Z	14.978	5.42
15	MP3B	Mx	-.005	5.42
16	MP3C	X	0	3.42
17	MP3C	Z	9.685	3.42
18	MP3C	Mx	.005	3.42
19	MP3C	X	0	5.42
20	MP3C	Z	9.685	5.42
21	MP3C	Mx	.005	5.42
22	MP2A	X	0	1.92
23	MP2A	Z	33.267	1.92
24	MP2A	Mx	.019	1.92
25	MP2A	X	0	6.92
26	MP2A	Z	33.267	6.92
27	MP2A	Mx	.019	6.92
28	MP2B	X	0	1.92
29	MP2B	Z	33.267	1.92
30	MP2B	Mx	.019	1.92
31	MP2B	X	0	6.92
32	MP2B	Z	33.267	6.92
33	MP2B	Mx	.019	6.92
34	MP2C	X	0	1.92
35	MP2C	Z	33.267	1.92
36	MP2C	Mx	.019	1.92
37	MP2C	X	0	6.92
38	MP2C	Z	33.267	6.92
39	MP2C	Mx	.019	6.92
40	MP2A	X	0	1.92
41	MP2A	Z	33.267	1.92
42	MP2A	Mx	-.019	1.92
43	MP2A	X	0	6.92
44	MP2A	Z	33.267	6.92
45	MP2A	Mx	-.019	6.92
46	MP2B	X	0	1.92
47	MP2B	Z	33.267	1.92
48	MP2B	Mx	-.019	1.92
49	MP2B	X	0	6.92
50	MP2B	Z	33.267	6.92
51	MP2B	Mx	-.019	6.92
52	MP2C	X	0	1.92
53	MP2C	Z	33.267	1.92
54	MP2C	Mx	-.019	1.92
55	MP2C	X	0	6.92
56	MP2C	Z	33.267	6.92
57	MP2C	Mx	-.019	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	0	.92
59	MP1A	Z	18.794	.92
60	MP1A	Mx	0	.92
61	MP1A	X	0	5.92
62	MP1A	Z	18.794	5.92
63	MP1A	Mx	0	5.92
64	MP1B	X	0	.92
65	MP1B	Z	25.507	.92
66	MP1B	Mx	-.008	.92
67	MP1B	X	0	5.92
68	MP1B	Z	25.507	5.92
69	MP1B	Mx	-.008	5.92
70	MP1C	X	0	.92
71	MP1C	Z	33.14	.92
72	MP1C	Mx	.016	.92
73	MP1C	X	0	5.92
74	MP1C	Z	33.14	5.92
75	MP1C	Mx	.016	5.92
76	MP4A	X	0	.92
77	MP4A	Z	18.794	.92
78	MP4A	Mx	0	.92
79	MP4A	X	0	5.92
80	MP4A	Z	18.794	5.92
81	MP4A	Mx	0	5.92
82	MP4B	X	0	.92
83	MP4B	Z	25.507	.92
84	MP4B	Mx	-.008	.92
85	MP4B	X	0	5.92
86	MP4B	Z	25.507	5.92
87	MP4B	Mx	-.008	5.92
88	MP4C	X	0	.92
89	MP4C	Z	33.14	.92
90	MP4C	Mx	.016	.92
91	MP4C	X	0	5.92
92	MP4C	Z	33.14	5.92
93	MP4C	Mx	.016	5.92
94	MP2A	X	0	1.5
95	MP2A	Z	16.552	1.5
96	MP2A	Mx	0	1.5
97	MP2B	X	0	1.5
98	MP2B	Z	14.472	1.5
99	MP2B	Mx	.005	1.5
100	MP2C	X	0	1.5
101	MP2C	Z	12.106	1.5
102	MP2C	Mx	-.006	1.5
103	MP3A	X	0	1.5
104	MP3A	Z	16.552	1.5
105	MP3A	Mx	0	1.5
106	MP3B	X	0	1.5
107	MP3B	Z	13.681	1.5
108	MP3B	Mx	.004	1.5
109	MP3C	X	0	1.5
110	MP3C	Z	10.416	1.5
111	MP3C	Mx	-.005	1.5
112	OVP	X	0	1.5
113	OVP	Z	27.462	1.5
114	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2B	X	-2.049	4.5
2	MP2B	Z	3.549	4.5
3	MP2B	Mx	.000963	4.5
4	MP3A	X	-8.408	3.42
5	MP3A	Z	14.563	3.42
6	MP3A	Mx	.004	3.42
7	MP3A	X	-8.408	5.42
8	MP3A	Z	14.563	5.42
9	MP3A	Mx	.004	5.42
10	MP3B	X	-4.843	3.42
11	MP3B	Z	8.388	3.42
12	MP3B	Mx	-.005	3.42
13	MP3B	X	-4.843	5.42
14	MP3B	Z	8.388	5.42
15	MP3B	Mx	-.005	5.42
16	MP3C	X	-7.489	3.42
17	MP3C	Z	12.971	3.42
18	MP3C	Mx	.005	3.42
19	MP3C	X	-7.489	5.42
20	MP3C	Z	12.971	5.42
21	MP3C	Mx	.005	5.42
22	MP2A	X	-15.344	1.92
23	MP2A	Z	26.576	1.92
24	MP2A	Mx	.023	1.92
25	MP2A	X	-15.344	6.92
26	MP2A	Z	26.576	6.92
27	MP2A	Mx	.023	6.92
28	MP2B	X	-15.344	1.92
29	MP2B	Z	26.576	1.92
30	MP2B	Mx	.023	1.92
31	MP2B	X	-15.344	6.92
32	MP2B	Z	26.576	6.92
33	MP2B	Mx	.023	6.92
34	MP2C	X	-15.344	1.92
35	MP2C	Z	26.576	1.92
36	MP2C	Mx	.023	1.92
37	MP2C	X	-15.344	6.92
38	MP2C	Z	26.576	6.92
39	MP2C	Mx	.023	6.92
40	MP2A	X	-15.344	1.92
41	MP2A	Z	26.576	1.92
42	MP2A	Mx	-.008	1.92
43	MP2A	X	-15.344	6.92
44	MP2A	Z	26.576	6.92
45	MP2A	Mx	-.008	6.92
46	MP2B	X	-15.344	1.92
47	MP2B	Z	26.576	1.92
48	MP2B	Mx	-.008	1.92
49	MP2B	X	-15.344	6.92
50	MP2B	Z	26.576	6.92
51	MP2B	Mx	-.008	6.92
52	MP2C	X	-15.344	1.92
53	MP2C	Z	26.576	1.92
54	MP2C	Mx	-.008	1.92
55	MP2C	X	-15.344	6.92
56	MP2C	Z	26.576	6.92
57	MP2C	Mx	-.008	6.92







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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-3.122	4.5
2	MP2B	Z	1.803	4.5
3	MP2B	Mx	.000888	4.5
4	MP3A	X	-9.685	3.42
5	MP3A	Z	5.592	3.42
6	MP3A	Mx	.005	3.42
7	MP3A	X	-9.685	5.42
8	MP3A	Z	5.592	5.42
9	MP3A	Mx	.005	5.42
10	MP3B	X	-7.541	3.42
11	MP3B	Z	4.354	3.42
12	MP3B	Mx	-.004	3.42
13	MP3B	X	-7.541	5.42
14	MP3B	Z	4.354	5.42
15	MP3B	Mx	-.004	5.42
16	MP3C	X	-16.708	3.42
17	MP3C	Z	9.646	3.42
18	MP3C	Mx	.002	3.42
19	MP3C	X	-16.708	5.42
20	MP3C	Z	9.646	5.42
21	MP3C	Mx	.002	5.42
22	MP2A	X	-22.109	1.92
23	MP2A	Z	12.764	1.92
24	MP2A	Mx	.018	1.92
25	MP2A	X	-22.109	6.92
26	MP2A	Z	12.764	6.92
27	MP2A	Mx	.018	6.92
28	MP2B	X	-22.109	1.92
29	MP2B	Z	12.764	1.92
30	MP2B	Mx	.018	1.92
31	MP2B	X	-22.109	6.92
32	MP2B	Z	12.764	6.92
33	MP2B	Mx	.018	6.92
34	MP2C	X	-22.109	1.92
35	MP2C	Z	12.764	1.92
36	MP2C	Mx	.018	1.92
37	MP2C	X	-22.109	6.92
38	MP2C	Z	12.764	6.92
39	MP2C	Mx	.018	6.92
40	MP2A	X	-22.109	1.92
41	MP2A	Z	12.764	1.92
42	MP2A	Mx	.004	1.92
43	MP2A	X	-22.109	6.92
44	MP2A	Z	12.764	6.92
45	MP2A	Mx	.004	6.92
46	MP2B	X	-22.109	1.92
47	MP2B	Z	12.764	1.92
48	MP2B	Mx	.004	1.92
49	MP2B	X	-22.109	6.92
50	MP2B	Z	12.764	6.92
51	MP2B	Mx	.004	6.92
52	MP2C	X	-22.109	1.92
53	MP2C	Z	12.764	1.92
54	MP2C	Mx	.004	1.92
55	MP2C	X	-22.109	6.92
56	MP2C	Z	12.764	6.92
57	MP2C	Mx	.004	6.92



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
58	MP1A	X	-26.828	.92
59	MP1A	Z	15.489	.92
60	MP1A	Mx	.013	.92
61	MP1A	X	-26.828	5.92
62	MP1A	Z	15.489	5.92
63	MP1A	Mx	.013	5.92
64	MP1B	X	-29.921	.92
65	MP1B	Z	17.275	.92
66	MP1B	Mx	-.017	.92
67	MP1B	X	-29.921	5.92
68	MP1B	Z	17.275	5.92
69	MP1B	Mx	-.017	5.92
70	MP1C	X	-16.701	.92
71	MP1C	Z	9.642	.92
72	MP1C	Mx	.002	.92
73	MP1C	X	-16.701	5.92
74	MP1C	Z	9.642	5.92
75	MP1C	Mx	.002	5.92
76	MP4A	X	-26.828	.92
77	MP4A	Z	15.489	.92
78	MP4A	Mx	.013	.92
79	MP4A	X	-26.828	5.92
80	MP4A	Z	15.489	5.92
81	MP4A	Mx	.013	5.92
82	MP4B	X	-29.921	.92
83	MP4B	Z	17.275	.92
84	MP4B	Mx	-.017	.92
85	MP4B	X	-29.921	5.92
86	MP4B	Z	17.275	5.92
87	MP4B	Mx	-.017	5.92
88	MP4C	X	-16.701	.92
89	MP4C	Z	9.642	.92
90	MP4C	Mx	.002	.92
91	MP4C	X	-16.701	5.92
92	MP4C	Z	9.642	5.92
93	MP4C	Mx	.002	5.92
94	MP2A	X	-11.064	1.5
95	MP2A	Z	6.388	1.5
96	MP2A	Mx	-.006	1.5
97	MP2B	X	-10.105	1.5
98	MP2B	Z	5.834	1.5
99	MP2B	Mx	.006	1.5
100	MP2C	X	-14.203	1.5
101	MP2C	Z	8.2	1.5
102	MP2C	Mx	-.001	1.5
103	MP3A	X	-9.821	1.5
104	MP3A	Z	5.67	1.5
105	MP3A	Mx	-.005	1.5
106	MP3B	X	-8.498	1.5
107	MP3B	Z	4.907	1.5
108	MP3B	Mx	.005	1.5
109	MP3C	X	-14.153	1.5
110	MP3C	Z	8.171	1.5
111	MP3C	Mx	-.001	1.5
112	OVP	X	-25.684	1.5
113	OVP	Z	14.829	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-5.777	4.5
2	MP2B	Z	0	4.5
3	MP2B	Mx	.001	4.5
4	MP3A	X	-8.367	3.42
5	MP3A	Z	0	3.42
6	MP3A	Mx	.004	3.42
7	MP3A	X	-8.367	5.42
8	MP3A	Z	0	5.42
9	MP3A	Mx	.004	5.42
10	MP3B	X	-13.022	3.42
11	MP3B	Z	0	3.42
12	MP3B	Mx	-.005	3.42
13	MP3B	X	-13.022	5.42
14	MP3B	Z	0	5.42
15	MP3B	Mx	-.005	5.42
16	MP3C	X	-18.314	3.42
17	MP3C	Z	0	3.42
18	MP3C	Mx	-.003	3.42
19	MP3C	X	-18.314	5.42
20	MP3C	Z	0	5.42
21	MP3C	Mx	-.003	5.42
22	MP2A	X	-22.949	1.92
23	MP2A	Z	0	1.92
24	MP2A	Mx	.011	1.92
25	MP2A	X	-22.949	6.92
26	MP2A	Z	0	6.92
27	MP2A	Mx	.011	6.92
28	MP2B	X	-22.949	1.92
29	MP2B	Z	0	1.92
30	MP2B	Mx	.011	1.92
31	MP2B	X	-22.949	6.92
32	MP2B	Z	0	6.92
33	MP2B	Mx	.011	6.92
34	MP2C	X	-22.949	1.92
35	MP2C	Z	0	1.92
36	MP2C	Mx	.011	1.92
37	MP2C	X	-22.949	6.92
38	MP2C	Z	0	6.92
39	MP2C	Mx	.011	6.92
40	MP2A	X	-22.949	1.92
41	MP2A	Z	0	1.92
42	MP2A	Mx	.011	1.92
43	MP2A	X	-22.949	6.92
44	MP2A	Z	0	6.92
45	MP2A	Mx	.011	6.92
46	MP2B	X	-22.949	1.92
47	MP2B	Z	0	1.92
48	MP2B	Mx	.011	1.92
49	MP2B	X	-22.949	6.92
50	MP2B	Z	0	6.92
51	MP2B	Mx	.011	6.92
52	MP2C	X	-22.949	1.92
53	MP2C	Z	0	1.92
54	MP2C	Mx	.011	1.92
55	MP2C	X	-22.949	6.92
56	MP2C	Z	0	6.92
57	MP2C	Mx	.011	6.92



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-35.04 .92
59	MP1A	Z	0 .92
60	MP1A	Mx	.018 .92
61	MP1A	X	-35.04 5.92
62	MP1A	Z	0 5.92
63	MP1A	Mx	.018 5.92
64	MP1B	X	-28.328 .92
65	MP1B	Z	0 .92
66	MP1B	Mx	-.011 .92
67	MP1B	X	-28.328 5.92
68	MP1B	Z	0 5.92
69	MP1B	Mx	-.011 5.92
70	MP1C	X	-20.695 .92
71	MP1C	Z	0 .92
72	MP1C	Mx	-.004 .92
73	MP1C	X	-20.695 5.92
74	MP1C	Z	0 5.92
75	MP1C	Mx	-.004 5.92
76	MP4A	X	-35.04 .92
77	MP4A	Z	0 .92
78	MP4A	Mx	.018 .92
79	MP4A	X	-35.04 5.92
80	MP4A	Z	0 5.92
81	MP4A	Mx	.018 5.92
82	MP4B	X	-28.328 .92
83	MP4B	Z	0 .92
84	MP4B	Mx	-.011 .92
85	MP4B	X	-28.328 5.92
86	MP4B	Z	0 5.92
87	MP4B	Mx	-.011 5.92
88	MP4C	X	-20.695 .92
89	MP4C	Z	0 .92
90	MP4C	Mx	-.004 .92
91	MP4C	X	-20.695 5.92
92	MP4C	Z	0 5.92
93	MP4C	Mx	-.004 5.92
94	MP2A	X	-11.517 1.5
95	MP2A	Z	0 1.5
96	MP2A	Mx	-.006 1.5
97	MP2B	X	-13.598 1.5
98	MP2B	Z	0 1.5
99	MP2B	Mx	.005 1.5
100	MP2C	X	-15.963 1.5
101	MP2C	Z	0 1.5
102	MP2C	Mx	.003 1.5
103	MP3A	X	-9.603 1.5
104	MP3A	Z	0 1.5
105	MP3A	Mx	-.005 1.5
106	MP3B	X	-12.475 1.5
107	MP3B	Z	0 1.5
108	MP3B	Mx	.005 1.5
109	MP3C	X	-15.74 1.5
110	MP3C	Z	0 1.5
111	MP3C	Mx	.003 1.5
112	OVP	X	-33.139 1.5
113	OVP	Z	0 1.5
114	OVP	Mx	0 1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-7.309	4.5
2	MP2B	Z	-4.22	4.5
3	MP2B	Mx	.000722	4.5
4	MP3A	X	-9.685	3.42
5	MP3A	Z	-5.592	3.42
6	MP3A	Mx	.005	3.42
7	MP3A	X	-9.685	5.42
8	MP3A	Z	-5.592	5.42
9	MP3A	Mx	.005	5.42
10	MP3B	X	-15.861	3.42
11	MP3B	Z	-9.157	3.42
12	MP3B	Mx	-.003	3.42
13	MP3B	X	-15.861	5.42
14	MP3B	Z	-9.157	5.42
15	MP3B	Mx	-.003	5.42
16	MP3C	X	-11.277	3.42
17	MP3C	Z	-6.511	3.42
18	MP3C	Mx	-.005	3.42
19	MP3C	X	-11.277	5.42
20	MP3C	Z	-6.511	5.42
21	MP3C	Mx	-.005	5.42
22	MP2A	X	-22.109	1.92
23	MP2A	Z	-12.764	1.92
24	MP2A	Mx	.004	1.92
25	MP2A	X	-22.109	6.92
26	MP2A	Z	-12.764	6.92
27	MP2A	Mx	.004	6.92
28	MP2B	X	-22.109	1.92
29	MP2B	Z	-12.764	1.92
30	MP2B	Mx	.004	1.92
31	MP2B	X	-22.109	6.92
32	MP2B	Z	-12.764	6.92
33	MP2B	Mx	.004	6.92
34	MP2C	X	-22.109	1.92
35	MP2C	Z	-12.764	1.92
36	MP2C	Mx	.004	1.92
37	MP2C	X	-22.109	6.92
38	MP2C	Z	-12.764	6.92
39	MP2C	Mx	.004	6.92
40	MP2A	X	-22.109	1.92
41	MP2A	Z	-12.764	1.92
42	MP2A	Mx	.018	1.92
43	MP2A	X	-22.109	6.92
44	MP2A	Z	-12.764	6.92
45	MP2A	Mx	.018	6.92
46	MP2B	X	-22.109	1.92
47	MP2B	Z	-12.764	1.92
48	MP2B	Mx	.018	1.92
49	MP2B	X	-22.109	6.92
50	MP2B	Z	-12.764	6.92
51	MP2B	Mx	.018	6.92
52	MP2C	X	-22.109	1.92
53	MP2C	Z	-12.764	1.92
54	MP2C	Mx	.018	1.92
55	MP2C	X	-22.109	6.92
56	MP2C	Z	-12.764	6.92
57	MP2C	Mx	.018	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-26.828	.92
59	MP1A	Z	-15.489	.92
60	MP1A	Mx	.013	.92
61	MP1A	X	-26.828	5.92
62	MP1A	Z	-15.489	5.92
63	MP1A	Mx	.013	5.92
64	MP1B	X	-17.922	.92
65	MP1B	Z	-10.347	.92
66	MP1B	Mx	-.004	.92
67	MP1B	X	-17.922	5.92
68	MP1B	Z	-10.347	5.92
69	MP1B	Mx	-.004	5.92
70	MP1C	X	-24.532	.92
71	MP1C	Z	-14.164	.92
72	MP1C	Mx	-.011	.92
73	MP1C	X	-24.532	5.92
74	MP1C	Z	-14.164	5.92
75	MP1C	Mx	-.011	5.92
76	MP4A	X	-26.828	.92
77	MP4A	Z	-15.489	.92
78	MP4A	Mx	.013	.92
79	MP4A	X	-26.828	5.92
80	MP4A	Z	-15.489	5.92
81	MP4A	Mx	.013	5.92
82	MP4B	X	-17.922	.92
83	MP4B	Z	-10.347	.92
84	MP4B	Mx	-.004	.92
85	MP4B	X	-17.922	5.92
86	MP4B	Z	-10.347	5.92
87	MP4B	Mx	-.004	5.92
88	MP4C	X	-24.532	.92
89	MP4C	Z	-14.164	.92
90	MP4C	Mx	-.011	.92
91	MP4C	X	-24.532	5.92
92	MP4C	Z	-14.164	5.92
93	MP4C	Mx	-.011	5.92
94	MP2A	X	-11.064	1.5
95	MP2A	Z	-6.388	1.5
96	MP2A	Mx	-.006	1.5
97	MP2B	X	-13.825	1.5
98	MP2B	Z	-7.982	1.5
99	MP2B	Mx	.003	1.5
100	MP2C	X	-11.776	1.5
101	MP2C	Z	-6.799	1.5
102	MP2C	Mx	.005	1.5
103	MP3A	X	-9.821	1.5
104	MP3A	Z	-5.67	1.5
105	MP3A	Mx	-.005	1.5
106	MP3B	X	-13.631	1.5
107	MP3B	Z	-7.87	1.5
108	MP3B	Mx	.003	1.5
109	MP3C	X	-10.803	1.5
110	MP3C	Z	-6.237	1.5
111	MP3C	Mx	.005	1.5
112	OVP	X	-29.256	1.5
113	OVP	Z	-16.891	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2B	X	-4.466	4.5
2	MP2B	Z	-7.735	4.5
3	MP2B	Mx	-.000388	4.5
4	MP3A	X	-8.408	3.42
5	MP3A	Z	-14.563	3.42
6	MP3A	Mx	.004	3.42
7	MP3A	X	-8.408	5.42
8	MP3A	Z	-14.563	5.42
9	MP3A	Mx	.004	5.42
10	MP3B	X	-9.646	3.42
11	MP3B	Z	-16.708	3.42
12	MP3B	Mx	.002	3.42
13	MP3B	X	-9.646	5.42
14	MP3B	Z	-16.708	5.42
15	MP3B	Mx	.002	5.42
16	MP3C	X	-4.354	3.42
17	MP3C	Z	-7.541	3.42
18	MP3C	Mx	-.004	3.42
19	MP3C	X	-4.354	5.42
20	MP3C	Z	-7.541	5.42
21	MP3C	Mx	-.004	5.42
22	MP2A	X	-15.344	1.92
23	MP2A	Z	-26.576	1.92
24	MP2A	Mx	-.008	1.92
25	MP2A	X	-15.344	6.92
26	MP2A	Z	-26.576	6.92
27	MP2A	Mx	-.008	6.92
28	MP2B	X	-15.344	1.92
29	MP2B	Z	-26.576	1.92
30	MP2B	Mx	-.008	1.92
31	MP2B	X	-15.344	6.92
32	MP2B	Z	-26.576	6.92
33	MP2B	Mx	-.008	6.92
34	MP2C	X	-15.344	1.92
35	MP2C	Z	-26.576	1.92
36	MP2C	Mx	-.008	1.92
37	MP2C	X	-15.344	6.92
38	MP2C	Z	-26.576	6.92
39	MP2C	Mx	-.008	6.92
40	MP2A	X	-15.344	1.92
41	MP2A	Z	-26.576	1.92
42	MP2A	Mx	.023	1.92
43	MP2A	X	-15.344	6.92
44	MP2A	Z	-26.576	6.92
45	MP2A	Mx	.023	6.92
46	MP2B	X	-15.344	1.92
47	MP2B	Z	-26.576	1.92
48	MP2B	Mx	.023	1.92
49	MP2B	X	-15.344	6.92
50	MP2B	Z	-26.576	6.92
51	MP2B	Mx	.023	6.92
52	MP2C	X	-15.344	1.92
53	MP2C	Z	-26.576	1.92
54	MP2C	Mx	.023	1.92
55	MP2C	X	-15.344	6.92
56	MP2C	Z	-26.576	6.92
57	MP2C	Mx	.023	6.92





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-11.428	.92
59	MP1A	Z	-19.794	.92
60	MP1A	Mx	.006	.92
61	MP1A	X	-11.428	5.92
62	MP1A	Z	-19.794	5.92
63	MP1A	Mx	.006	5.92
64	MP1B	X	-9.642	.92
65	MP1B	Z	-16.701	.92
66	MP1B	Mx	.002	.92
67	MP1B	X	-9.642	5.92
68	MP1B	Z	-16.701	5.92
69	MP1B	Mx	.002	5.92
70	MP1C	X	-17.275	.92
71	MP1C	Z	-29.921	.92
72	MP1C	Mx	-.017	.92
73	MP1C	X	-17.275	5.92
74	MP1C	Z	-29.921	5.92
75	MP1C	Mx	-.017	5.92
76	MP4A	X	-11.428	.92
77	MP4A	Z	-19.794	.92
78	MP4A	Mx	.006	.92
79	MP4A	X	-11.428	5.92
80	MP4A	Z	-19.794	5.92
81	MP4A	Mx	.006	5.92
82	MP4B	X	-9.642	.92
83	MP4B	Z	-16.701	.92
84	MP4B	Mx	.002	.92
85	MP4B	X	-9.642	5.92
86	MP4B	Z	-16.701	5.92
87	MP4B	Mx	.002	5.92
88	MP4C	X	-17.275	.92
89	MP4C	Z	-29.921	.92
90	MP4C	Mx	-.017	.92
91	MP4C	X	-17.275	5.92
92	MP4C	Z	-29.921	5.92
93	MP4C	Mx	-.017	5.92
94	MP2A	X	-7.647	1.5
95	MP2A	Z	-13.245	1.5
96	MP2A	Mx	-.004	1.5
97	MP2B	X	-8.2	1.5
98	MP2B	Z	-14.203	1.5
99	MP2B	Mx	-.001	1.5
100	MP2C	X	-5.834	1.5
101	MP2C	Z	-10.105	1.5
102	MP2C	Mx	.006	1.5
103	MP3A	X	-7.408	1.5
104	MP3A	Z	-12.83	1.5
105	MP3A	Mx	-.004	1.5
106	MP3B	X	-8.171	1.5
107	MP3B	Z	-14.153	1.5
108	MP3B	Mx	-.001	1.5
109	MP3C	X	-4.907	1.5
110	MP3C	Z	-8.498	1.5
111	MP3C	Mx	.005	1.5
112	OVP	X	-15.472	1.5
113	OVP	Z	-26.798	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2B	X	0	4.5
2	MP2B	Z	-1.819	4.5
3	MP2B	Mx	-.000292	4.5
4	MP3A	X	0	3.42
5	MP3A	Z	-5.214	3.42
6	MP3A	Mx	0	3.42
7	MP3A	X	0	5.42
8	MP3A	Z	-5.214	5.42
9	MP3A	Mx	0	5.42
10	MP3B	X	0	3.42
11	MP3B	Z	-3.801	3.42
12	MP3B	Mx	.001	3.42
13	MP3B	X	0	5.42
14	MP3B	Z	-3.801	5.42
15	MP3B	Mx	.001	5.42
16	MP3C	X	0	3.42
17	MP3C	Z	-2.195	3.42
18	MP3C	Mx	-.001	3.42
19	MP3C	X	0	5.42
20	MP3C	Z	-2.195	5.42
21	MP3C	Mx	-.001	5.42
22	MP2A	X	0	1.92
23	MP2A	Z	-7.328	1.92
24	MP2A	Mx	-.004	1.92
25	MP2A	X	0	6.92
26	MP2A	Z	-7.328	6.92
27	MP2A	Mx	-.004	6.92
28	MP2B	X	0	1.92
29	MP2B	Z	-7.328	1.92
30	MP2B	Mx	-.004	1.92
31	MP2B	X	0	6.92
32	MP2B	Z	-7.328	6.92
33	MP2B	Mx	-.004	6.92
34	MP2C	X	0	1.92
35	MP2C	Z	-7.328	1.92
36	MP2C	Mx	-.004	1.92
37	MP2C	X	0	6.92
38	MP2C	Z	-7.328	6.92
39	MP2C	Mx	-.004	6.92
40	MP2A	X	0	1.92
41	MP2A	Z	-7.328	1.92
42	MP2A	Mx	.004	1.92
43	MP2A	X	0	6.92
44	MP2A	Z	-7.328	6.92
45	MP2A	Mx	.004	6.92
46	MP2B	X	0	1.92
47	MP2B	Z	-7.328	1.92
48	MP2B	Mx	.004	1.92
49	MP2B	X	0	6.92
50	MP2B	Z	-7.328	6.92
51	MP2B	Mx	.004	6.92
52	MP2C	X	0	1.92
53	MP2C	Z	-7.328	1.92
54	MP2C	Mx	.004	1.92
55	MP2C	X	0	6.92
56	MP2C	Z	-7.328	6.92
57	MP2C	Mx	.004	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	0	.92
59	MP1A	Z	-5.759	.92
60	MP1A	Mx	0	.92
61	MP1A	X	0	5.92
62	MP1A	Z	-5.759	5.92
63	MP1A	Mx	0	5.92
64	MP1B	X	0	.92
65	MP1B	Z	-8.121	.92
66	MP1B	Mx	.003	.92
67	MP1B	X	0	5.92
68	MP1B	Z	-8.121	5.92
69	MP1B	Mx	.003	5.92
70	MP1C	X	0	.92
71	MP1C	Z	-10.807	.92
72	MP1C	Mx	-.005	.92
73	MP1C	X	0	5.92
74	MP1C	Z	-10.807	5.92
75	MP1C	Mx	-.005	5.92
76	MP4A	X	0	.92
77	MP4A	Z	-5.759	.92
78	MP4A	Mx	0	.92
79	MP4A	X	0	5.92
80	MP4A	Z	-5.759	5.92
81	MP4A	Mx	0	5.92
82	MP4B	X	0	.92
83	MP4B	Z	-8.121	.92
84	MP4B	Mx	.003	.92
85	MP4B	X	0	5.92
86	MP4B	Z	-8.121	5.92
87	MP4B	Mx	.003	5.92
88	MP4C	X	0	.92
89	MP4C	Z	-10.807	.92
90	MP4C	Mx	-.005	.92
91	MP4C	X	0	5.92
92	MP4C	Z	-10.807	5.92
93	MP4C	Mx	-.005	5.92
94	MP2A	X	0	1.5
95	MP2A	Z	-4.123	1.5
96	MP2A	Mx	0	1.5
97	MP2B	X	0	1.5
98	MP2B	Z	-3.563	1.5
99	MP2B	Mx	-.001	1.5
100	MP2C	X	0	1.5
101	MP2C	Z	-2.925	1.5
102	MP2C	Mx	.001	1.5
103	MP3A	X	0	1.5
104	MP3A	Z	-4.123	1.5
105	MP3A	Mx	0	1.5
106	MP3B	X	0	1.5
107	MP3B	Z	-3.354	1.5
108	MP3B	Mx	-.001	1.5
109	MP3C	X	0	1.5
110	MP3C	Z	-2.479	1.5
111	MP3C	Mx	.001	1.5
112	OVP	X	0	1.5
113	OVP	Z	-6.647	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	.491	4.5
2	MP2B	Z	-.851	4.5
3	MP2B	Mx	-.000231	4.5
4	MP3A	X	2.18	3.42
5	MP3A	Z	-3.775	3.42
6	MP3A	Mx	-.001	3.42
7	MP3A	X	2.18	5.42
8	MP3A	Z	-3.775	5.42
9	MP3A	Mx	-.001	5.42
10	MP3B	X	1.098	3.42
11	MP3B	Z	-1.901	3.42
12	MP3B	Mx	.001	3.42
13	MP3B	X	1.098	5.42
14	MP3B	Z	-1.901	5.42
15	MP3B	Mx	.001	5.42
16	MP3C	X	1.901	3.42
17	MP3C	Z	-3.292	3.42
18	MP3C	Mx	-.001	3.42
19	MP3C	X	1.901	5.42
20	MP3C	Z	-3.292	5.42
21	MP3C	Mx	-.001	5.42
22	MP2A	X	3.142	1.92
23	MP2A	Z	-5.442	1.92
24	MP2A	Mx	-.005	1.92
25	MP2A	X	3.142	6.92
26	MP2A	Z	-5.442	6.92
27	MP2A	Mx	-.005	6.92
28	MP2B	X	3.142	1.92
29	MP2B	Z	-5.442	1.92
30	MP2B	Mx	-.005	1.92
31	MP2B	X	3.142	6.92
32	MP2B	Z	-5.442	6.92
33	MP2B	Mx	-.005	6.92
34	MP2C	X	3.142	1.92
35	MP2C	Z	-5.442	1.92
36	MP2C	Mx	-.005	1.92
37	MP2C	X	3.142	6.92
38	MP2C	Z	-5.442	6.92
39	MP2C	Mx	-.005	6.92
40	MP2A	X	3.142	1.92
41	MP2A	Z	-5.442	1.92
42	MP2A	Mx	.002	1.92
43	MP2A	X	3.142	6.92
44	MP2A	Z	-5.442	6.92
45	MP2A	Mx	.002	6.92
46	MP2B	X	3.142	1.92
47	MP2B	Z	-5.442	1.92
48	MP2B	Mx	.002	1.92
49	MP2B	X	3.142	6.92
50	MP2B	Z	-5.442	6.92
51	MP2B	Mx	.002	6.92
52	MP2C	X	3.142	1.92
53	MP2C	Z	-5.442	1.92
54	MP2C	Mx	.002	1.92
55	MP2C	X	3.142	6.92
56	MP2C	Z	-5.442	6.92
57	MP2C	Mx	.002	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	3.594	.92
59	MP1A	Z	-6.225	.92
60	MP1A	Mx	-.002	.92
61	MP1A	X	3.594	5.92
62	MP1A	Z	-6.225	5.92
63	MP1A	Mx	-.002	5.92
64	MP1B	X	5.404	.92
65	MP1B	Z	-9.359	.92
66	MP1B	Mx	.005	.92
67	MP1B	X	5.404	5.92
68	MP1B	Z	-9.359	5.92
69	MP1B	Mx	.005	5.92
70	MP1C	X	4.061	.92
71	MP1C	Z	-7.033	.92
72	MP1C	Mx	-.003	.92
73	MP1C	X	4.061	5.92
74	MP1C	Z	-7.033	5.92
75	MP1C	Mx	-.003	5.92
76	MP4A	X	3.594	.92
77	MP4A	Z	-6.225	.92
78	MP4A	Mx	-.002	.92
79	MP4A	X	3.594	5.92
80	MP4A	Z	-6.225	5.92
81	MP4A	Mx	-.002	5.92
82	MP4B	X	5.404	.92
83	MP4B	Z	-9.359	.92
84	MP4B	Mx	.005	.92
85	MP4B	X	5.404	5.92
86	MP4B	Z	-9.359	5.92
87	MP4B	Mx	.005	5.92
88	MP4C	X	4.061	.92
89	MP4C	Z	-7.033	.92
90	MP4C	Mx	-.003	.92
91	MP4C	X	4.061	5.92
92	MP4C	Z	-7.033	5.92
93	MP4C	Mx	-.003	5.92
94	MP2A	X	1.892	1.5
95	MP2A	Z	-3.277	1.5
96	MP2A	Mx	.000946	1.5
97	MP2B	X	1.463	1.5
98	MP2B	Z	-2.533	1.5
99	MP2B	Mx	-.001	1.5
100	MP2C	X	1.781	1.5
101	MP2C	Z	-3.085	1.5
102	MP2C	Mx	.001	1.5
103	MP3A	X	1.829	1.5
104	MP3A	Z	-3.168	1.5
105	MP3A	Mx	.000914	1.5
106	MP3B	X	1.239	1.5
107	MP3B	Z	-2.147	1.5
108	MP3B	Mx	-.001	1.5
109	MP3C	X	1.677	1.5
110	MP3C	Z	-2.904	1.5
111	MP3C	Mx	.001	1.5
112	OVP	X	3.236	1.5
113	OVP	Z	-5.605	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2B	X	.717	4.5
2	MP2B	Z	-.414	4.5
3	MP2B	Mx	-.000204	4.5
4	MP3A	X	2.295	3.42
5	MP3A	Z	-1.325	3.42
6	MP3A	Mx	-.001	3.42
7	MP3A	X	2.295	5.42
8	MP3A	Z	-1.325	5.42
9	MP3A	Mx	-.001	5.42
10	MP3B	X	1.644	3.42
11	MP3B	Z	-.949	3.42
12	MP3B	Mx	.000935	3.42
13	MP3B	X	1.644	5.42
14	MP3B	Z	-.949	5.42
15	MP3B	Mx	.000935	5.42
16	MP3C	X	4.426	3.42
17	MP3C	Z	-2.555	3.42
18	MP3C	Mx	-.000444	3.42
19	MP3C	X	4.426	5.42
20	MP3C	Z	-2.555	5.42
21	MP3C	Mx	-.000444	5.42
22	MP2A	X	3.634	1.92
23	MP2A	Z	-2.098	1.92
24	MP2A	Mx	-.003	1.92
25	MP2A	X	3.634	6.92
26	MP2A	Z	-2.098	6.92
27	MP2A	Mx	-.003	6.92
28	MP2B	X	3.634	1.92
29	MP2B	Z	-2.098	1.92
30	MP2B	Mx	-.003	1.92
31	MP2B	X	3.634	6.92
32	MP2B	Z	-2.098	6.92
33	MP2B	Mx	-.003	6.92
34	MP2C	X	3.634	1.92
35	MP2C	Z	-2.098	1.92
36	MP2C	Mx	-.003	1.92
37	MP2C	X	3.634	6.92
38	MP2C	Z	-2.098	6.92
39	MP2C	Mx	-.003	6.92
40	MP2A	X	3.634	1.92
41	MP2A	Z	-2.098	1.92
42	MP2A	Mx	-.000593	1.92
43	MP2A	X	3.634	6.92
44	MP2A	Z	-2.098	6.92
45	MP2A	Mx	-.000593	6.92
46	MP2B	X	3.634	1.92
47	MP2B	Z	-2.098	1.92
48	MP2B	Mx	-.000593	1.92
49	MP2B	X	3.634	6.92
50	MP2B	Z	-2.098	6.92
51	MP2B	Mx	-.000593	6.92
52	MP2C	X	3.634	1.92
53	MP2C	Z	-2.098	1.92
54	MP2C	Mx	-.000593	1.92
55	MP2C	X	3.634	6.92
56	MP2C	Z	-2.098	6.92
57	MP2C	Mx	-.000593	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	8.701	.92
59	MP1A	Z	-5.023	.92
60	MP1A	Mx	-.004	.92
61	MP1A	X	8.701	5.92
62	MP1A	Z	-5.023	5.92
63	MP1A	Mx	-.004	5.92
64	MP1B	X	9.789	.92
65	MP1B	Z	-5.652	.92
66	MP1B	Mx	.006	.92
67	MP1B	X	9.789	5.92
68	MP1B	Z	-5.652	5.92
69	MP1B	Mx	.006	5.92
70	MP1C	X	5.137	.92
71	MP1C	Z	-2.966	.92
72	MP1C	Mx	-.000515	.92
73	MP1C	X	5.137	5.92
74	MP1C	Z	-2.966	5.92
75	MP1C	Mx	-.000515	5.92
76	MP4A	X	8.701	.92
77	MP4A	Z	-5.023	.92
78	MP4A	Mx	-.004	.92
79	MP4A	X	8.701	5.92
80	MP4A	Z	-5.023	5.92
81	MP4A	Mx	-.004	5.92
82	MP4B	X	9.789	.92
83	MP4B	Z	-5.652	.92
84	MP4B	Mx	.006	.92
85	MP4B	X	9.789	5.92
86	MP4B	Z	-5.652	5.92
87	MP4B	Mx	.006	5.92
88	MP4C	X	5.137	.92
89	MP4C	Z	-2.966	.92
90	MP4C	Mx	-.000515	.92
91	MP4C	X	5.137	5.92
92	MP4C	Z	-2.966	5.92
93	MP4C	Mx	-.000515	5.92
94	MP2A	X	2.69	1.5
95	MP2A	Z	-1.553	1.5
96	MP2A	Mx	.001	1.5
97	MP2B	X	2.431	1.5
98	MP2B	Z	-1.404	1.5
99	MP2B	Mx	-.001	1.5
100	MP2C	X	3.535	1.5
101	MP2C	Z	-2.041	1.5
102	MP2C	Mx	.000354	1.5
103	MP3A	X	2.361	1.5
104	MP3A	Z	-1.363	1.5
105	MP3A	Mx	.001	1.5
106	MP3B	X	2.007	1.5
107	MP3B	Z	-1.159	1.5
108	MP3B	Mx	-.001	1.5
109	MP3C	X	3.522	1.5
110	MP3C	Z	-2.033	1.5
111	MP3C	Mx	.000353	1.5
112	OVP	X	6.275	1.5
113	OVP	Z	-3.623	1.5
114	OVP	Mx	0	1.5





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	1.51	4.5
2	MP2B	Z	0	4.5
3	MP2B	Mx	-.000289	4.5
4	MP3A	X	1.796	3.42
5	MP3A	Z	0	3.42
6	MP3A	Mx	-.000898	3.42
7	MP3A	X	1.796	5.42
8	MP3A	Z	0	5.42
9	MP3A	Mx	-.000898	5.42
10	MP3B	X	3.208	3.42
11	MP3B	Z	0	3.42
12	MP3B	Mx	.001	3.42
13	MP3B	X	3.208	5.42
14	MP3B	Z	0	5.42
15	MP3B	Mx	.001	5.42
16	MP3C	X	4.814	3.42
17	MP3C	Z	0	3.42
18	MP3C	Mx	.000823	3.42
19	MP3C	X	4.814	5.42
20	MP3C	Z	0	5.42
21	MP3C	Mx	.000823	5.42
22	MP2A	X	3.152	1.92
23	MP2A	Z	0	1.92
24	MP2A	Mx	-.002	1.92
25	MP2A	X	3.152	6.92
26	MP2A	Z	0	6.92
27	MP2A	Mx	-.002	6.92
28	MP2B	X	3.152	1.92
29	MP2B	Z	0	1.92
30	MP2B	Mx	-.002	1.92
31	MP2B	X	3.152	6.92
32	MP2B	Z	0	6.92
33	MP2B	Mx	-.002	6.92
34	MP2C	X	3.152	1.92
35	MP2C	Z	0	1.92
36	MP2C	Mx	-.002	1.92
37	MP2C	X	3.152	6.92
38	MP2C	Z	0	6.92
39	MP2C	Mx	-.002	6.92
40	MP2A	X	3.152	1.92
41	MP2A	Z	0	1.92
42	MP2A	Mx	-.002	1.92
43	MP2A	X	3.152	6.92
44	MP2A	Z	0	6.92
45	MP2A	Mx	-.002	6.92
46	MP2B	X	3.152	1.92
47	MP2B	Z	0	1.92
48	MP2B	Mx	-.002	1.92
49	MP2B	X	3.152	6.92
50	MP2B	Z	0	6.92
51	MP2B	Mx	-.002	6.92
52	MP2C	X	3.152	1.92
53	MP2C	Z	0	1.92
54	MP2C	Mx	-.002	1.92
55	MP2C	X	3.152	6.92
56	MP2C	Z	0	6.92
57	MP2C	Mx	-.002	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	11.476	.92
59	MP1A	Z	0	.92
60	MP1A	Mx	-.006	.92
61	MP1A	X	11.476	5.92
62	MP1A	Z	0	5.92
63	MP1A	Mx	-.006	5.92
64	MP1B	X	9.114	.92
65	MP1B	Z	0	.92
66	MP1B	Mx	.003	.92
67	MP1B	X	9.114	5.92
68	MP1B	Z	0	5.92
69	MP1B	Mx	.003	5.92
70	MP1C	X	6.428	.92
71	MP1C	Z	0	.92
72	MP1C	Mx	.001	.92
73	MP1C	X	6.428	5.92
74	MP1C	Z	0	5.92
75	MP1C	Mx	.001	5.92
76	MP4A	X	11.476	.92
77	MP4A	Z	0	.92
78	MP4A	Mx	-.006	.92
79	MP4A	X	11.476	5.92
80	MP4A	Z	0	5.92
81	MP4A	Mx	-.006	5.92
82	MP4B	X	9.114	.92
83	MP4B	Z	0	.92
84	MP4B	Mx	.003	.92
85	MP4B	X	9.114	5.92
86	MP4B	Z	0	5.92
87	MP4B	Mx	.003	5.92
88	MP4C	X	6.428	.92
89	MP4C	Z	0	.92
90	MP4C	Mx	.001	.92
91	MP4C	X	6.428	5.92
92	MP4C	Z	0	5.92
93	MP4C	Mx	.001	5.92
94	MP2A	X	2.766	1.5
95	MP2A	Z	0	1.5
96	MP2A	Mx	.001	1.5
97	MP2B	X	3.327	1.5
98	MP2B	Z	0	1.5
99	MP2B	Mx	-.001	1.5
100	MP2C	X	3.964	1.5
101	MP2C	Z	0	1.5
102	MP2C	Mx	-.000678	1.5
103	MP3A	X	2.261	1.5
104	MP3A	Z	0	1.5
105	MP3A	Mx	.001	1.5
106	MP3B	X	3.03	1.5
107	MP3B	Z	0	1.5
108	MP3B	Mx	-.001	1.5
109	MP3C	X	3.905	1.5
110	MP3C	Z	0	1.5
111	MP3C	Mx	-.000668	1.5
112	OVP	X	8.196	1.5
113	OVP	Z	0	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	2.031	4.5
2	MP2B	Z	1.173	4.5
3	MP2B	Mx	-.0002	4.5
4	MP3A	X	2.295	3.42
5	MP3A	Z	1.325	3.42
6	MP3A	Mx	-.001	3.42
7	MP3A	X	2.295	5.42
8	MP3A	Z	1.325	5.42
9	MP3A	Mx	-.001	5.42
10	MP3B	X	4.169	3.42
11	MP3B	Z	2.407	3.42
12	MP3B	Mx	.000823	3.42
13	MP3B	X	4.169	5.42
14	MP3B	Z	2.407	5.42
15	MP3B	Mx	.000823	5.42
16	MP3C	X	2.778	3.42
17	MP3C	Z	1.604	3.42
18	MP3C	Mx	.001	3.42
19	MP3C	X	2.778	5.42
20	MP3C	Z	1.604	5.42
21	MP3C	Mx	.001	5.42
22	MP2A	X	3.634	1.92
23	MP2A	Z	2.098	1.92
24	MP2A	Mx	-.000593	1.92
25	MP2A	X	3.634	6.92
26	MP2A	Z	2.098	6.92
27	MP2A	Mx	-.000593	6.92
28	MP2B	X	3.634	1.92
29	MP2B	Z	2.098	1.92
30	MP2B	Mx	-.000593	1.92
31	MP2B	X	3.634	6.92
32	MP2B	Z	2.098	6.92
33	MP2B	Mx	-.000593	6.92
34	MP2C	X	3.634	1.92
35	MP2C	Z	2.098	1.92
36	MP2C	Mx	-.000593	1.92
37	MP2C	X	3.634	6.92
38	MP2C	Z	2.098	6.92
39	MP2C	Mx	-.000593	6.92
40	MP2A	X	3.634	1.92
41	MP2A	Z	2.098	1.92
42	MP2A	Mx	-.003	1.92
43	MP2A	X	3.634	6.92
44	MP2A	Z	2.098	6.92
45	MP2A	Mx	-.003	6.92
46	MP2B	X	3.634	1.92
47	MP2B	Z	2.098	1.92
48	MP2B	Mx	-.003	1.92
49	MP2B	X	3.634	6.92
50	MP2B	Z	2.098	6.92
51	MP2B	Mx	-.003	6.92
52	MP2C	X	3.634	1.92
53	MP2C	Z	2.098	1.92
54	MP2C	Mx	-.003	1.92
55	MP2C	X	3.634	6.92
56	MP2C	Z	2.098	6.92
57	MP2C	Mx	-.003	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	8.701	.92
59	MP1A	Z	5.023	.92
60	MP1A	Mx	-.004	.92
61	MP1A	X	8.701	5.92
62	MP1A	Z	5.023	5.92
63	MP1A	Mx	-.004	5.92
64	MP1B	X	5.567	.92
65	MP1B	Z	3.214	.92
66	MP1B	Mx	.001	.92
67	MP1B	X	5.567	5.92
68	MP1B	Z	3.214	5.92
69	MP1B	Mx	.001	5.92
70	MP1C	X	7.893	.92
71	MP1C	Z	4.557	.92
72	MP1C	Mx	.003	.92
73	MP1C	X	7.893	5.92
74	MP1C	Z	4.557	5.92
75	MP1C	Mx	.003	5.92
76	MP4A	X	8.701	.92
77	MP4A	Z	5.023	.92
78	MP4A	Mx	-.004	.92
79	MP4A	X	8.701	5.92
80	MP4A	Z	5.023	5.92
81	MP4A	Mx	-.004	5.92
82	MP4B	X	5.567	.92
83	MP4B	Z	3.214	.92
84	MP4B	Mx	.001	.92
85	MP4B	X	5.567	5.92
86	MP4B	Z	3.214	5.92
87	MP4B	Mx	.001	5.92
88	MP4C	X	7.893	.92
89	MP4C	Z	4.557	.92
90	MP4C	Mx	.003	.92
91	MP4C	X	7.893	5.92
92	MP4C	Z	4.557	5.92
93	MP4C	Mx	.003	5.92
94	MP2A	X	2.69	1.5
95	MP2A	Z	1.553	1.5
96	MP2A	Mx	.001	1.5
97	MP2B	X	3.433	1.5
98	MP2B	Z	1.982	1.5
99	MP2B	Mx	-.000678	1.5
100	MP2C	X	2.881	1.5
101	MP2C	Z	1.663	1.5
102	MP2C	Mx	-.001	1.5
103	MP3A	X	2.361	1.5
104	MP3A	Z	1.363	1.5
105	MP3A	Mx	.001	1.5
106	MP3B	X	3.382	1.5
107	MP3B	Z	1.953	1.5
108	MP3B	Mx	-.000668	1.5
109	MP3C	X	2.624	1.5
110	MP3C	Z	1.515	1.5
111	MP3C	Mx	-.001	1.5
112	OVP	X	7.25	1.5
113	OVP	Z	4.186	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	1.25	4.5
2	MP2B	Z	2.165	4.5
3	MP2B	Mx	.000109	4.5
4	MP3A	X	2.18	3.42
5	MP3A	Z	3.775	3.42
6	MP3A	Mx	-.001	3.42
7	MP3A	X	2.18	5.42
8	MP3A	Z	3.775	5.42
9	MP3A	Mx	-.001	5.42
10	MP3B	X	2.555	3.42
11	MP3B	Z	4.426	3.42
12	MP3B	Mx	-.000444	3.42
13	MP3B	X	2.555	5.42
14	MP3B	Z	4.426	5.42
15	MP3B	Mx	-.000444	5.42
16	MP3C	X	.949	3.42
17	MP3C	Z	1.644	3.42
18	MP3C	Mx	.000935	3.42
19	MP3C	X	.949	5.42
20	MP3C	Z	1.644	5.42
21	MP3C	Mx	.000935	5.42
22	MP2A	X	3.142	1.92
23	MP2A	Z	5.442	1.92
24	MP2A	Mx	.002	1.92
25	MP2A	X	3.142	6.92
26	MP2A	Z	5.442	6.92
27	MP2A	Mx	.002	6.92
28	MP2B	X	3.142	1.92
29	MP2B	Z	5.442	1.92
30	MP2B	Mx	.002	1.92
31	MP2B	X	3.142	6.92
32	MP2B	Z	5.442	6.92
33	MP2B	Mx	.002	6.92
34	MP2C	X	3.142	1.92
35	MP2C	Z	5.442	1.92
36	MP2C	Mx	.002	1.92
37	MP2C	X	3.142	6.92
38	MP2C	Z	5.442	6.92
39	MP2C	Mx	.002	6.92
40	MP2A	X	3.142	1.92
41	MP2A	Z	5.442	1.92
42	MP2A	Mx	-.005	1.92
43	MP2A	X	3.142	6.92
44	MP2A	Z	5.442	6.92
45	MP2A	Mx	-.005	6.92
46	MP2B	X	3.142	1.92
47	MP2B	Z	5.442	1.92
48	MP2B	Mx	-.005	1.92
49	MP2B	X	3.142	6.92
50	MP2B	Z	5.442	6.92
51	MP2B	Mx	-.005	6.92
52	MP2C	X	3.142	1.92
53	MP2C	Z	5.442	1.92
54	MP2C	Mx	-.005	1.92
55	MP2C	X	3.142	6.92
56	MP2C	Z	5.442	6.92
57	MP2C	Mx	-.005	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	3.594	.92
59	MP1A	Z	6.225	.92
60	MP1A	Mx	-.002	.92
61	MP1A	X	3.594	5.92
62	MP1A	Z	6.225	5.92
63	MP1A	Mx	-.002	5.92
64	MP1B	X	2.966	.92
65	MP1B	Z	5.137	.92
66	MP1B	Mx	-.000515	.92
67	MP1B	X	2.966	5.92
68	MP1B	Z	5.137	5.92
69	MP1B	Mx	-.000515	5.92
70	MP1C	X	5.652	.92
71	MP1C	Z	9.789	.92
72	MP1C	Mx	.006	.92
73	MP1C	X	5.652	5.92
74	MP1C	Z	9.789	5.92
75	MP1C	Mx	.006	5.92
76	MP4A	X	3.594	.92
77	MP4A	Z	6.225	.92
78	MP4A	Mx	-.002	.92
79	MP4A	X	3.594	5.92
80	MP4A	Z	6.225	5.92
81	MP4A	Mx	-.002	5.92
82	MP4B	X	2.966	.92
83	MP4B	Z	5.137	.92
84	MP4B	Mx	-.000515	.92
85	MP4B	X	2.966	5.92
86	MP4B	Z	5.137	5.92
87	MP4B	Mx	-.000515	5.92
88	MP4C	X	5.652	.92
89	MP4C	Z	9.789	.92
90	MP4C	Mx	.006	.92
91	MP4C	X	5.652	5.92
92	MP4C	Z	9.789	5.92
93	MP4C	Mx	.006	5.92
94	MP2A	X	1.892	1.5
95	MP2A	Z	3.277	1.5
96	MP2A	Mx	.000946	1.5
97	MP2B	X	2.041	1.5
98	MP2B	Z	3.535	1.5
99	MP2B	Mx	.000354	1.5
100	MP2C	X	1.404	1.5
101	MP2C	Z	2.431	1.5
102	MP2C	Mx	-.001	1.5
103	MP3A	X	1.829	1.5
104	MP3A	Z	3.168	1.5
105	MP3A	Mx	.000914	1.5
106	MP3B	X	2.033	1.5
107	MP3B	Z	3.522	1.5
108	MP3B	Mx	.000353	1.5
109	MP3C	X	1.159	1.5
110	MP3C	Z	2.007	1.5
111	MP3C	Mx	-.001	1.5
112	OVP	X	3.799	1.5
113	OVP	Z	6.579	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	0	4.5
2	MP2B	Z	1.819	4.5
3	MP2B	Mx	.000292	4.5
4	MP3A	X	0	3.42
5	MP3A	Z	5.214	3.42
6	MP3A	Mx	0	3.42
7	MP3A	X	0	5.42
8	MP3A	Z	5.214	5.42
9	MP3A	Mx	0	5.42
10	MP3B	X	0	3.42
11	MP3B	Z	3.801	3.42
12	MP3B	Mx	-.001	3.42
13	MP3B	X	0	5.42
14	MP3B	Z	3.801	5.42
15	MP3B	Mx	-.001	5.42
16	MP3C	X	0	3.42
17	MP3C	Z	2.195	3.42
18	MP3C	Mx	.001	3.42
19	MP3C	X	0	5.42
20	MP3C	Z	2.195	5.42
21	MP3C	Mx	.001	5.42
22	MP2A	X	0	1.92
23	MP2A	Z	7.328	1.92
24	MP2A	Mx	.004	1.92
25	MP2A	X	0	6.92
26	MP2A	Z	7.328	6.92
27	MP2A	Mx	.004	6.92
28	MP2B	X	0	1.92
29	MP2B	Z	7.328	1.92
30	MP2B	Mx	.004	1.92
31	MP2B	X	0	6.92
32	MP2B	Z	7.328	6.92
33	MP2B	Mx	.004	6.92
34	MP2C	X	0	1.92
35	MP2C	Z	7.328	1.92
36	MP2C	Mx	.004	1.92
37	MP2C	X	0	6.92
38	MP2C	Z	7.328	6.92
39	MP2C	Mx	.004	6.92
40	MP2A	X	0	1.92
41	MP2A	Z	7.328	1.92
42	MP2A	Mx	-.004	1.92
43	MP2A	X	0	6.92
44	MP2A	Z	7.328	6.92
45	MP2A	Mx	-.004	6.92
46	MP2B	X	0	1.92
47	MP2B	Z	7.328	1.92
48	MP2B	Mx	-.004	1.92
49	MP2B	X	0	6.92
50	MP2B	Z	7.328	6.92
51	MP2B	Mx	-.004	6.92
52	MP2C	X	0	1.92
53	MP2C	Z	7.328	1.92
54	MP2C	Mx	-.004	1.92
55	MP2C	X	0	6.92
56	MP2C	Z	7.328	6.92
57	MP2C	Mx	-.004	6.92





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	0	.92
59	MP1A	Z	5.759	.92
60	MP1A	Mx	0	.92
61	MP1A	X	0	5.92
62	MP1A	Z	5.759	5.92
63	MP1A	Mx	0	5.92
64	MP1B	X	0	.92
65	MP1B	Z	8.121	.92
66	MP1B	Mx	-.003	.92
67	MP1B	X	0	5.92
68	MP1B	Z	8.121	5.92
69	MP1B	Mx	-.003	5.92
70	MP1C	X	0	.92
71	MP1C	Z	10.807	.92
72	MP1C	Mx	.005	.92
73	MP1C	X	0	5.92
74	MP1C	Z	10.807	5.92
75	MP1C	Mx	.005	5.92
76	MP4A	X	0	.92
77	MP4A	Z	5.759	.92
78	MP4A	Mx	0	.92
79	MP4A	X	0	5.92
80	MP4A	Z	5.759	5.92
81	MP4A	Mx	0	5.92
82	MP4B	X	0	.92
83	MP4B	Z	8.121	.92
84	MP4B	Mx	-.003	.92
85	MP4B	X	0	5.92
86	MP4B	Z	8.121	5.92
87	MP4B	Mx	-.003	5.92
88	MP4C	X	0	.92
89	MP4C	Z	10.807	.92
90	MP4C	Mx	.005	.92
91	MP4C	X	0	5.92
92	MP4C	Z	10.807	5.92
93	MP4C	Mx	.005	5.92
94	MP2A	X	0	1.5
95	MP2A	Z	4.123	1.5
96	MP2A	Mx	0	1.5
97	MP2B	X	0	1.5
98	MP2B	Z	3.563	1.5
99	MP2B	Mx	.001	1.5
100	MP2C	X	0	1.5
101	MP2C	Z	2.925	1.5
102	MP2C	Mx	-.001	1.5
103	MP3A	X	0	1.5
104	MP3A	Z	4.123	1.5
105	MP3A	Mx	0	1.5
106	MP3B	X	0	1.5
107	MP3B	Z	3.354	1.5
108	MP3B	Mx	.001	1.5
109	MP3C	X	0	1.5
110	MP3C	Z	2.479	1.5
111	MP3C	Mx	-.001	1.5
112	OVP	X	0	1.5
113	OVP	Z	6.647	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-491	4.5
2	MP2B	Z	.851	4.5
3	MP2B	Mx	.000231	4.5
4	MP3A	X	-2.18	3.42
5	MP3A	Z	3.775	3.42
6	MP3A	Mx	.001	3.42
7	MP3A	X	-2.18	5.42
8	MP3A	Z	3.775	5.42
9	MP3A	Mx	.001	5.42
10	MP3B	X	-1.098	3.42
11	MP3B	Z	1.901	3.42
12	MP3B	Mx	-.001	3.42
13	MP3B	X	-1.098	5.42
14	MP3B	Z	1.901	5.42
15	MP3B	Mx	-.001	5.42
16	MP3C	X	-1.901	3.42
17	MP3C	Z	3.292	3.42
18	MP3C	Mx	.001	3.42
19	MP3C	X	-1.901	5.42
20	MP3C	Z	3.292	5.42
21	MP3C	Mx	.001	5.42
22	MP2A	X	-3.142	1.92
23	MP2A	Z	5.442	1.92
24	MP2A	Mx	.005	1.92
25	MP2A	X	-3.142	6.92
26	MP2A	Z	5.442	6.92
27	MP2A	Mx	.005	6.92
28	MP2B	X	-3.142	1.92
29	MP2B	Z	5.442	1.92
30	MP2B	Mx	.005	1.92
31	MP2B	X	-3.142	6.92
32	MP2B	Z	5.442	6.92
33	MP2B	Mx	.005	6.92
34	MP2C	X	-3.142	1.92
35	MP2C	Z	5.442	1.92
36	MP2C	Mx	.005	1.92
37	MP2C	X	-3.142	6.92
38	MP2C	Z	5.442	6.92
39	MP2C	Mx	.005	6.92
40	MP2A	X	-3.142	1.92
41	MP2A	Z	5.442	1.92
42	MP2A	Mx	-.002	1.92
43	MP2A	X	-3.142	6.92
44	MP2A	Z	5.442	6.92
45	MP2A	Mx	-.002	6.92
46	MP2B	X	-3.142	1.92
47	MP2B	Z	5.442	1.92
48	MP2B	Mx	-.002	1.92
49	MP2B	X	-3.142	6.92
50	MP2B	Z	5.442	6.92
51	MP2B	Mx	-.002	6.92
52	MP2C	X	-3.142	1.92
53	MP2C	Z	5.442	1.92
54	MP2C	Mx	-.002	1.92
55	MP2C	X	-3.142	6.92
56	MP2C	Z	5.442	6.92
57	MP2C	Mx	-.002	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-3.594	.92
59	MP1A	Z	6.225	.92
60	MP1A	Mx	.002	.92
61	MP1A	X	-3.594	5.92
62	MP1A	Z	6.225	5.92
63	MP1A	Mx	.002	5.92
64	MP1B	X	-5.404	.92
65	MP1B	Z	9.359	.92
66	MP1B	Mx	-.005	.92
67	MP1B	X	-5.404	5.92
68	MP1B	Z	9.359	5.92
69	MP1B	Mx	-.005	5.92
70	MP1C	X	-4.061	.92
71	MP1C	Z	7.033	.92
72	MP1C	Mx	.003	.92
73	MP1C	X	-4.061	5.92
74	MP1C	Z	7.033	5.92
75	MP1C	Mx	.003	5.92
76	MP4A	X	-3.594	.92
77	MP4A	Z	6.225	.92
78	MP4A	Mx	.002	.92
79	MP4A	X	-3.594	5.92
80	MP4A	Z	6.225	5.92
81	MP4A	Mx	.002	5.92
82	MP4B	X	-5.404	.92
83	MP4B	Z	9.359	.92
84	MP4B	Mx	-.005	.92
85	MP4B	X	-5.404	5.92
86	MP4B	Z	9.359	5.92
87	MP4B	Mx	-.005	5.92
88	MP4C	X	-4.061	.92
89	MP4C	Z	7.033	.92
90	MP4C	Mx	.003	.92
91	MP4C	X	-4.061	5.92
92	MP4C	Z	7.033	5.92
93	MP4C	Mx	.003	5.92
94	MP2A	X	-1.892	1.5
95	MP2A	Z	3.277	1.5
96	MP2A	Mx	-.000946	1.5
97	MP2B	X	-1.463	1.5
98	MP2B	Z	2.533	1.5
99	MP2B	Mx	.001	1.5
100	MP2C	X	-1.781	1.5
101	MP2C	Z	3.085	1.5
102	MP2C	Mx	-.001	1.5
103	MP3A	X	-1.829	1.5
104	MP3A	Z	3.168	1.5
105	MP3A	Mx	-.000914	1.5
106	MP3B	X	-1.239	1.5
107	MP3B	Z	2.147	1.5
108	MP3B	Mx	.001	1.5
109	MP3C	X	-1.677	1.5
110	MP3C	Z	2.904	1.5
111	MP3C	Mx	-.001	1.5
112	OVP	X	-3.236	1.5
113	OVP	Z	5.605	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	- .717	4.5
2	MP2B	Z	.414	4.5
3	MP2B	Mx	.000204	4.5
4	MP3A	X	-2.295	3.42
5	MP3A	Z	1.325	3.42
6	MP3A	Mx	.001	3.42
7	MP3A	X	-2.295	5.42
8	MP3A	Z	1.325	5.42
9	MP3A	Mx	.001	5.42
10	MP3B	X	-1.644	3.42
11	MP3B	Z	.949	3.42
12	MP3B	Mx	-.000935	3.42
13	MP3B	X	-1.644	5.42
14	MP3B	Z	.949	5.42
15	MP3B	Mx	-.000935	5.42
16	MP3C	X	-4.426	3.42
17	MP3C	Z	2.555	3.42
18	MP3C	Mx	.000444	3.42
19	MP3C	X	-4.426	5.42
20	MP3C	Z	2.555	5.42
21	MP3C	Mx	.000444	5.42
22	MP2A	X	-3.634	1.92
23	MP2A	Z	2.098	1.92
24	MP2A	Mx	.003	1.92
25	MP2A	X	-3.634	6.92
26	MP2A	Z	2.098	6.92
27	MP2A	Mx	.003	6.92
28	MP2B	X	-3.634	1.92
29	MP2B	Z	2.098	1.92
30	MP2B	Mx	.003	1.92
31	MP2B	X	-3.634	6.92
32	MP2B	Z	2.098	6.92
33	MP2B	Mx	.003	6.92
34	MP2C	X	-3.634	1.92
35	MP2C	Z	2.098	1.92
36	MP2C	Mx	.003	1.92
37	MP2C	X	-3.634	6.92
38	MP2C	Z	2.098	6.92
39	MP2C	Mx	.003	6.92
40	MP2A	X	-3.634	1.92
41	MP2A	Z	2.098	1.92
42	MP2A	Mx	.000593	1.92
43	MP2A	X	-3.634	6.92
44	MP2A	Z	2.098	6.92
45	MP2A	Mx	.000593	6.92
46	MP2B	X	-3.634	1.92
47	MP2B	Z	2.098	1.92
48	MP2B	Mx	.000593	1.92
49	MP2B	X	-3.634	6.92
50	MP2B	Z	2.098	6.92
51	MP2B	Mx	.000593	6.92
52	MP2C	X	-3.634	1.92
53	MP2C	Z	2.098	1.92
54	MP2C	Mx	.000593	1.92
55	MP2C	X	-3.634	6.92
56	MP2C	Z	2.098	6.92
57	MP2C	Mx	.000593	6.92

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-8.701	.92
59	MP1A	Z	5.023	.92
60	MP1A	Mx	.004	.92
61	MP1A	X	-8.701	5.92
62	MP1A	Z	5.023	5.92
63	MP1A	Mx	.004	5.92
64	MP1B	X	-9.789	.92
65	MP1B	Z	5.652	.92
66	MP1B	Mx	-.006	.92
67	MP1B	X	-9.789	5.92
68	MP1B	Z	5.652	5.92
69	MP1B	Mx	-.006	5.92
70	MP1C	X	-5.137	.92
71	MP1C	Z	2.966	.92
72	MP1C	Mx	.000515	.92
73	MP1C	X	-5.137	5.92
74	MP1C	Z	2.966	5.92
75	MP1C	Mx	.000515	5.92
76	MP4A	X	-8.701	.92
77	MP4A	Z	5.023	.92
78	MP4A	Mx	.004	.92
79	MP4A	X	-8.701	5.92
80	MP4A	Z	5.023	5.92
81	MP4A	Mx	.004	5.92
82	MP4B	X	-9.789	.92
83	MP4B	Z	5.652	.92
84	MP4B	Mx	-.006	.92
85	MP4B	X	-9.789	5.92
86	MP4B	Z	5.652	5.92
87	MP4B	Mx	-.006	5.92
88	MP4C	X	-5.137	.92
89	MP4C	Z	2.966	.92
90	MP4C	Mx	.000515	.92
91	MP4C	X	-5.137	5.92
92	MP4C	Z	2.966	5.92
93	MP4C	Mx	.000515	5.92
94	MP2A	X	-2.69	1.5
95	MP2A	Z	1.553	1.5
96	MP2A	Mx	-.001	1.5
97	MP2B	X	-2.431	1.5
98	MP2B	Z	1.404	1.5
99	MP2B	Mx	.001	1.5
100	MP2C	X	-3.535	1.5
101	MP2C	Z	2.041	1.5
102	MP2C	Mx	-.000354	1.5
103	MP3A	X	-2.361	1.5
104	MP3A	Z	1.363	1.5
105	MP3A	Mx	-.001	1.5
106	MP3B	X	-2.007	1.5
107	MP3B	Z	1.159	1.5
108	MP3B	Mx	.001	1.5
109	MP3C	X	-3.522	1.5
110	MP3C	Z	2.033	1.5
111	MP3C	Mx	-.000353	1.5
112	OVP	X	-6.275	1.5
113	OVP	Z	3.623	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-1.51	4.5
2	MP2B	Z	0	4.5
3	MP2B	Mx	.000289	4.5
4	MP3A	X	-1.796	3.42
5	MP3A	Z	0	3.42
6	MP3A	Mx	.000898	3.42
7	MP3A	X	-1.796	5.42
8	MP3A	Z	0	5.42
9	MP3A	Mx	.000898	5.42
10	MP3B	X	-3.208	3.42
11	MP3B	Z	0	3.42
12	MP3B	Mx	-.001	3.42
13	MP3B	X	-3.208	5.42
14	MP3B	Z	0	5.42
15	MP3B	Mx	-.001	5.42
16	MP3C	X	-4.814	3.42
17	MP3C	Z	0	3.42
18	MP3C	Mx	-.000823	3.42
19	MP3C	X	-4.814	5.42
20	MP3C	Z	0	5.42
21	MP3C	Mx	-.000823	5.42
22	MP2A	X	-3.152	1.92
23	MP2A	Z	0	1.92
24	MP2A	Mx	.002	1.92
25	MP2A	X	-3.152	6.92
26	MP2A	Z	0	6.92
27	MP2A	Mx	.002	6.92
28	MP2B	X	-3.152	1.92
29	MP2B	Z	0	1.92
30	MP2B	Mx	.002	1.92
31	MP2B	X	-3.152	6.92
32	MP2B	Z	0	6.92
33	MP2B	Mx	.002	6.92
34	MP2C	X	-3.152	1.92
35	MP2C	Z	0	1.92
36	MP2C	Mx	.002	1.92
37	MP2C	X	-3.152	6.92
38	MP2C	Z	0	6.92
39	MP2C	Mx	.002	6.92
40	MP2A	X	-3.152	1.92
41	MP2A	Z	0	1.92
42	MP2A	Mx	.002	1.92
43	MP2A	X	-3.152	6.92
44	MP2A	Z	0	6.92
45	MP2A	Mx	.002	6.92
46	MP2B	X	-3.152	1.92
47	MP2B	Z	0	1.92
48	MP2B	Mx	.002	1.92
49	MP2B	X	-3.152	6.92
50	MP2B	Z	0	6.92
51	MP2B	Mx	.002	6.92
52	MP2C	X	-3.152	1.92
53	MP2C	Z	0	1.92
54	MP2C	Mx	.002	1.92
55	MP2C	X	-3.152	6.92
56	MP2C	Z	0	6.92
57	MP2C	Mx	.002	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-11.476	.92
59	MP1A	Z	0	.92
60	MP1A	Mx	.006	.92
61	MP1A	X	-11.476	5.92
62	MP1A	Z	0	5.92
63	MP1A	Mx	.006	5.92
64	MP1B	X	-9.114	.92
65	MP1B	Z	0	.92
66	MP1B	Mx	-.003	.92
67	MP1B	X	-9.114	5.92
68	MP1B	Z	0	5.92
69	MP1B	Mx	-.003	5.92
70	MP1C	X	-6.428	.92
71	MP1C	Z	0	.92
72	MP1C	Mx	-.001	.92
73	MP1C	X	-6.428	5.92
74	MP1C	Z	0	5.92
75	MP1C	Mx	-.001	5.92
76	MP4A	X	-11.476	.92
77	MP4A	Z	0	.92
78	MP4A	Mx	.006	.92
79	MP4A	X	-11.476	5.92
80	MP4A	Z	0	5.92
81	MP4A	Mx	.006	5.92
82	MP4B	X	-9.114	.92
83	MP4B	Z	0	.92
84	MP4B	Mx	-.003	.92
85	MP4B	X	-9.114	5.92
86	MP4B	Z	0	5.92
87	MP4B	Mx	-.003	5.92
88	MP4C	X	-6.428	.92
89	MP4C	Z	0	.92
90	MP4C	Mx	-.001	.92
91	MP4C	X	-6.428	5.92
92	MP4C	Z	0	5.92
93	MP4C	Mx	-.001	5.92
94	MP2A	X	-2.766	1.5
95	MP2A	Z	0	1.5
96	MP2A	Mx	-.001	1.5
97	MP2B	X	-3.327	1.5
98	MP2B	Z	0	1.5
99	MP2B	Mx	.001	1.5
100	MP2C	X	-3.964	1.5
101	MP2C	Z	0	1.5
102	MP2C	Mx	.000678	1.5
103	MP3A	X	-2.261	1.5
104	MP3A	Z	0	1.5
105	MP3A	Mx	-.001	1.5
106	MP3B	X	-3.03	1.5
107	MP3B	Z	0	1.5
108	MP3B	Mx	.001	1.5
109	MP3C	X	-3.905	1.5
110	MP3C	Z	0	1.5
111	MP3C	Mx	.000668	1.5
112	OVP	X	-8.196	1.5
113	OVP	Z	0	1.5
114	OVP	Mx	0	1.5





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-2.031	4.5
2	MP2B	Z	-1.173	4.5
3	MP2B	Mx	.0002	4.5
4	MP3A	X	-2.295	3.42
5	MP3A	Z	-1.325	3.42
6	MP3A	Mx	.001	3.42
7	MP3A	X	-2.295	5.42
8	MP3A	Z	-1.325	5.42
9	MP3A	Mx	.001	5.42
10	MP3B	X	-4.169	3.42
11	MP3B	Z	-2.407	3.42
12	MP3B	Mx	-.000823	3.42
13	MP3B	X	-4.169	5.42
14	MP3B	Z	-2.407	5.42
15	MP3B	Mx	-.000823	5.42
16	MP3C	X	-2.778	3.42
17	MP3C	Z	-1.604	3.42
18	MP3C	Mx	-.001	3.42
19	MP3C	X	-2.778	5.42
20	MP3C	Z	-1.604	5.42
21	MP3C	Mx	-.001	5.42
22	MP2A	X	-3.634	1.92
23	MP2A	Z	-2.098	1.92
24	MP2A	Mx	.000593	1.92
25	MP2A	X	-3.634	6.92
26	MP2A	Z	-2.098	6.92
27	MP2A	Mx	.000593	6.92
28	MP2B	X	-3.634	1.92
29	MP2B	Z	-2.098	1.92
30	MP2B	Mx	.000593	1.92
31	MP2B	X	-3.634	6.92
32	MP2B	Z	-2.098	6.92
33	MP2B	Mx	.000593	6.92
34	MP2C	X	-3.634	1.92
35	MP2C	Z	-2.098	1.92
36	MP2C	Mx	.000593	1.92
37	MP2C	X	-3.634	6.92
38	MP2C	Z	-2.098	6.92
39	MP2C	Mx	.000593	6.92
40	MP2A	X	-3.634	1.92
41	MP2A	Z	-2.098	1.92
42	MP2A	Mx	.003	1.92
43	MP2A	X	-3.634	6.92
44	MP2A	Z	-2.098	6.92
45	MP2A	Mx	.003	6.92
46	MP2B	X	-3.634	1.92
47	MP2B	Z	-2.098	1.92
48	MP2B	Mx	.003	1.92
49	MP2B	X	-3.634	6.92
50	MP2B	Z	-2.098	6.92
51	MP2B	Mx	.003	6.92
52	MP2C	X	-3.634	1.92
53	MP2C	Z	-2.098	1.92
54	MP2C	Mx	.003	1.92
55	MP2C	X	-3.634	6.92
56	MP2C	Z	-2.098	6.92
57	MP2C	Mx	.003	6.92



Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

July 5, 2023  
 11:40 AM  
 Checked By: DX

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-8.701	.92
59	MP1A	Z	-5.023	.92
60	MP1A	Mx	.004	.92
61	MP1A	X	-8.701	5.92
62	MP1A	Z	-5.023	5.92
63	MP1A	Mx	.004	5.92
64	MP1B	X	-5.567	.92
65	MP1B	Z	-3.214	.92
66	MP1B	Mx	-.001	.92
67	MP1B	X	-5.567	5.92
68	MP1B	Z	-3.214	5.92
69	MP1B	Mx	-.001	5.92
70	MP1C	X	-7.893	.92
71	MP1C	Z	-4.557	.92
72	MP1C	Mx	-.003	.92
73	MP1C	X	-7.893	5.92
74	MP1C	Z	-4.557	5.92
75	MP1C	Mx	-.003	5.92
76	MP4A	X	-8.701	.92
77	MP4A	Z	-5.023	.92
78	MP4A	Mx	.004	.92
79	MP4A	X	-8.701	5.92
80	MP4A	Z	-5.023	5.92
81	MP4A	Mx	.004	5.92
82	MP4B	X	-5.567	.92
83	MP4B	Z	-3.214	.92
84	MP4B	Mx	-.001	.92
85	MP4B	X	-5.567	5.92
86	MP4B	Z	-3.214	5.92
87	MP4B	Mx	-.001	5.92
88	MP4C	X	-7.893	.92
89	MP4C	Z	-4.557	.92
90	MP4C	Mx	-.003	.92
91	MP4C	X	-7.893	5.92
92	MP4C	Z	-4.557	5.92
93	MP4C	Mx	-.003	5.92
94	MP2A	X	-2.69	1.5
95	MP2A	Z	-1.553	1.5
96	MP2A	Mx	-.001	1.5
97	MP2B	X	-3.433	1.5
98	MP2B	Z	-1.982	1.5
99	MP2B	Mx	.000678	1.5
100	MP2C	X	-2.881	1.5
101	MP2C	Z	-1.663	1.5
102	MP2C	Mx	.001	1.5
103	MP3A	X	-2.361	1.5
104	MP3A	Z	-1.363	1.5
105	MP3A	Mx	-.001	1.5
106	MP3B	X	-3.382	1.5
107	MP3B	Z	-1.953	1.5
108	MP3B	Mx	.000668	1.5
109	MP3C	X	-2.624	1.5
110	MP3C	Z	-1.515	1.5
111	MP3C	Mx	.001	1.5
112	OVP	X	-7.25	1.5
113	OVP	Z	-4.186	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	X	-1.25	4.5
2	MP2B	Z	-2.165	4.5
3	MP2B	Mx	-.000109	4.5
4	MP3A	X	-2.18	3.42
5	MP3A	Z	-3.775	3.42
6	MP3A	Mx	.001	3.42
7	MP3A	X	-2.18	5.42
8	MP3A	Z	-3.775	5.42
9	MP3A	Mx	.001	5.42
10	MP3B	X	-2.555	3.42
11	MP3B	Z	-4.426	3.42
12	MP3B	Mx	.000444	3.42
13	MP3B	X	-2.555	5.42
14	MP3B	Z	-4.426	5.42
15	MP3B	Mx	.000444	5.42
16	MP3C	X	-.949	3.42
17	MP3C	Z	-1.644	3.42
18	MP3C	Mx	-.000935	3.42
19	MP3C	X	-.949	5.42
20	MP3C	Z	-1.644	5.42
21	MP3C	Mx	-.000935	5.42
22	MP2A	X	-3.142	1.92
23	MP2A	Z	-5.442	1.92
24	MP2A	Mx	-.002	1.92
25	MP2A	X	-3.142	6.92
26	MP2A	Z	-5.442	6.92
27	MP2A	Mx	-.002	6.92
28	MP2B	X	-3.142	1.92
29	MP2B	Z	-5.442	1.92
30	MP2B	Mx	-.002	1.92
31	MP2B	X	-3.142	6.92
32	MP2B	Z	-5.442	6.92
33	MP2B	Mx	-.002	6.92
34	MP2C	X	-3.142	1.92
35	MP2C	Z	-5.442	1.92
36	MP2C	Mx	-.002	1.92
37	MP2C	X	-3.142	6.92
38	MP2C	Z	-5.442	6.92
39	MP2C	Mx	-.002	6.92
40	MP2A	X	-3.142	1.92
41	MP2A	Z	-5.442	1.92
42	MP2A	Mx	.005	1.92
43	MP2A	X	-3.142	6.92
44	MP2A	Z	-5.442	6.92
45	MP2A	Mx	.005	6.92
46	MP2B	X	-3.142	1.92
47	MP2B	Z	-5.442	1.92
48	MP2B	Mx	.005	1.92
49	MP2B	X	-3.142	6.92
50	MP2B	Z	-5.442	6.92
51	MP2B	Mx	.005	6.92
52	MP2C	X	-3.142	1.92
53	MP2C	Z	-5.442	1.92
54	MP2C	Mx	.005	1.92
55	MP2C	X	-3.142	6.92
56	MP2C	Z	-5.442	6.92
57	MP2C	Mx	.005	6.92

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
58	MP1A	X	-3.594	.92
59	MP1A	Z	-6.225	.92
60	MP1A	Mx	.002	.92
61	MP1A	X	-3.594	5.92
62	MP1A	Z	-6.225	5.92
63	MP1A	Mx	.002	5.92
64	MP1B	X	-2.966	.92
65	MP1B	Z	-5.137	.92
66	MP1B	Mx	.000515	.92
67	MP1B	X	-2.966	5.92
68	MP1B	Z	-5.137	5.92
69	MP1B	Mx	.000515	5.92
70	MP1C	X	-5.652	.92
71	MP1C	Z	-9.789	.92
72	MP1C	Mx	-.006	.92
73	MP1C	X	-5.652	5.92
74	MP1C	Z	-9.789	5.92
75	MP1C	Mx	-.006	5.92
76	MP4A	X	-3.594	.92
77	MP4A	Z	-6.225	.92
78	MP4A	Mx	.002	.92
79	MP4A	X	-3.594	5.92
80	MP4A	Z	-6.225	5.92
81	MP4A	Mx	.002	5.92
82	MP4B	X	-2.966	.92
83	MP4B	Z	-5.137	.92
84	MP4B	Mx	.000515	.92
85	MP4B	X	-2.966	5.92
86	MP4B	Z	-5.137	5.92
87	MP4B	Mx	.000515	5.92
88	MP4C	X	-5.652	.92
89	MP4C	Z	-9.789	.92
90	MP4C	Mx	-.006	.92
91	MP4C	X	-5.652	5.92
92	MP4C	Z	-9.789	5.92
93	MP4C	Mx	-.006	5.92
94	MP2A	X	-1.892	1.5
95	MP2A	Z	-3.277	1.5
96	MP2A	Mx	-.000946	1.5
97	MP2B	X	-2.041	1.5
98	MP2B	Z	-3.535	1.5
99	MP2B	Mx	-.000354	1.5
100	MP2C	X	-1.404	1.5
101	MP2C	Z	-2.431	1.5
102	MP2C	Mx	.001	1.5
103	MP3A	X	-1.829	1.5
104	MP3A	Z	-3.168	1.5
105	MP3A	Mx	-.000914	1.5
106	MP3B	X	-2.033	1.5
107	MP3B	Z	-3.522	1.5
108	MP3B	Mx	-.000353	1.5
109	MP3C	X	-1.159	1.5
110	MP3C	Z	-2.007	1.5
111	MP3C	Mx	.001	1.5
112	OVP	X	-3.799	1.5
113	OVP	Z	-6.579	1.5
114	OVP	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M160	Y	-500	%100

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M161	Y	-500	%100

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M151A	Y	-250	0

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M172	Y	-250	%50

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	Y	-.713	4.5
2	MP2B	My	-.000137	4.5
3	MP2B	Mz	.000115	4.5
4	MP3A	Y	-1.765	3.42
5	MP3A	Mv	-.000883	3.42
6	MP3A	Mz	0	3.42
7	MP3A	Y	-1.765	5.42
8	MP3A	My	-.000883	5.42
9	MP3A	Mz	0	5.42
10	MP3B	Y	-1.765	3.42
11	MP3B	Mv	.000676	3.42
12	MP3B	Mz	-.000567	3.42
13	MP3B	Y	-1.765	5.42
14	MP3B	My	.000676	5.42
15	MP3B	Mz	-.000567	5.42
16	MP3C	Y	-1.765	3.42
17	MP3C	Mv	.000302	3.42
18	MP3C	Mz	.000829	3.42
19	MP3C	Y	-1.765	5.42
20	MP3C	My	.000302	5.42
21	MP3C	Mz	.000829	5.42
22	MP2A	Y	-.811	1.92
23	MP2A	Mv	-.000405	1.92
24	MP2A	Mz	.000473	1.92
25	MP2A	Y	-.811	6.92
26	MP2A	My	-.000405	6.92
27	MP2A	Mz	.000473	6.92
28	MP2B	Y	-.811	1.92
29	MP2B	Mv	-.000405	1.92
30	MP2B	Mz	.000473	1.92
31	MP2B	Y	-.811	6.92
32	MP2B	My	-.000405	6.92
33	MP2B	Mz	.000473	6.92
34	MP2C	Y	-.811	1.92
35	MP2C	Mv	-.000405	1.92
36	MP2C	Mz	.000473	1.92
37	MP2C	Y	-.811	6.92
38	MP2C	My	-.000405	6.92
39	MP2C	Mz	.000473	6.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP2A	Y	-.811	1.92
41	MP2A	My	-.000405	1.92
42	MP2A	Mz	-.000473	1.92
43	MP2A	Y	-.811	6.92
44	MP2A	My	-.000405	6.92
45	MP2A	Mz	-.000473	6.92
46	MP2B	Y	-.811	1.92
47	MP2B	My	-.000405	1.92
48	MP2B	Mz	-.000473	1.92
49	MP2B	Y	-.811	6.92
50	MP2B	My	-.000405	6.92
51	MP2B	Mz	-.000473	6.92
52	MP2C	Y	-.811	1.92
53	MP2C	My	-.000405	1.92
54	MP2C	Mz	-.000473	1.92
55	MP2C	Y	-.811	6.92
56	MP2C	My	-.000405	6.92
57	MP2C	Mz	-.000473	6.92
58	MP1A	Y	-.426	.92
59	MP1A	My	-.000213	.92
60	MP1A	Mz	0	.92
61	MP1A	Y	-.426	5.92
62	MP1A	My	-.000213	5.92
63	MP1A	Mz	0	5.92
64	MP1B	Y	-.426	.92
65	MP1B	My	.000163	.92
66	MP1B	Mz	-.000137	.92
67	MP1B	Y	-.426	5.92
68	MP1B	My	.000163	5.92
69	MP1B	Mz	-.000137	5.92
70	MP1C	Y	-.426	.92
71	MP1C	My	7.3e-5	.92
72	MP1C	Mz	.0002	.92
73	MP1C	Y	-.426	5.92
74	MP1C	My	7.3e-5	5.92
75	MP1C	Mz	.0002	5.92
76	MP4A	Y	-.426	.92
77	MP4A	My	-.000213	.92
78	MP4A	Mz	0	.92
79	MP4A	Y	-.426	5.92
80	MP4A	My	-.000213	5.92
81	MP4A	Mz	0	5.92
82	MP4B	Y	-.426	.92
83	MP4B	My	.000163	.92
84	MP4B	Mz	-.000137	.92
85	MP4B	Y	-.426	5.92
86	MP4B	My	.000163	5.92
87	MP4B	Mz	-.000137	5.92
88	MP4C	Y	-.426	.92
89	MP4C	My	7.3e-5	.92
90	MP4C	Mz	.0002	.92
91	MP4C	Y	-.426	5.92
92	MP4C	My	7.3e-5	5.92
93	MP4C	Mz	.0002	5.92
94	MP2A	Y	-3.421	1.5
95	MP2A	My	.002	1.5
96	MP2A	Mz	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
97	MP2B	Y	-3.421	1.5
98	MP2B	My	-.001	1.5
99	MP2B	Mz	.001	1.5
100	MP2C	Y	-3.421	1.5
101	MP2C	My	-.000585	1.5
102	MP2C	Mz	-.002	1.5
103	MP3A	Y	-2.849	1.5
104	MP3A	My	.001	1.5
105	MP3A	Mz	0	1.5
106	MP3B	Y	-2.849	1.5
107	MP3B	My	-.001	1.5
108	MP3B	Mz	.000916	1.5
109	MP3C	Y	-2.849	1.5
110	MP3C	My	-.000487	1.5
111	MP3C	Mz	-.001	1.5
112	OVP	Y	-1.297	1.5
113	OVP	My	0	1.5
114	OVP	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2B	Z	-1.783	4.5
2	MP2B	Mx	-.000287	4.5
3	MP3A	Z	-4.413	3.42
4	MP3A	Mx	0	3.42
5	MP3A	Z	-4.413	5.42
6	MP3A	Mx	0	5.42
7	MP3B	Z	-4.413	3.42
8	MP3B	Mx	.001	3.42
9	MP3B	Z	-4.413	5.42
10	MP3B	Mx	.001	5.42
11	MP3C	Z	-4.413	3.42
12	MP3C	Mx	-.002	3.42
13	MP3C	Z	-4.413	5.42
14	MP3C	Mx	-.002	5.42
15	MP2A	Z	-2.027	1.92
16	MP2A	Mx	-.001	1.92
17	MP2A	Z	-2.027	6.92
18	MP2A	Mx	-.001	6.92
19	MP2B	Z	-2.027	1.92
20	MP2B	Mx	-.001	1.92
21	MP2B	Z	-2.027	6.92
22	MP2B	Mx	-.001	6.92
23	MP2C	Z	-2.027	1.92
24	MP2C	Mx	-.001	1.92
25	MP2C	Z	-2.027	6.92
26	MP2C	Mx	-.001	6.92
27	MP2A	Z	-2.027	1.92
28	MP2A	Mx	.001	1.92
29	MP2A	Z	-2.027	6.92
30	MP2A	Mx	.001	6.92
31	MP2B	Z	-2.027	1.92
32	MP2B	Mx	.001	1.92
33	MP2B	Z	-2.027	6.92
34	MP2B	Mx	.001	6.92
35	MP2C	Z	-2.027	1.92



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
36	MP2C	Mx	.001	1.92
37	MP2C	Z	-2.027	6.92
38	MP2C	Mx	.001	6.92
39	MP1A	Z	-1.064	.92
40	MP1A	Mx	0	.92
41	MP1A	Z	-1.064	5.92
42	MP1A	Mx	0	5.92
43	MP1B	Z	-1.064	.92
44	MP1B	Mx	.000342	.92
45	MP1B	Z	-1.064	5.92
46	MP1B	Mx	.000342	5.92
47	MP1C	Z	-1.064	.92
48	MP1C	Mx	-.0005	.92
49	MP1C	Z	-1.064	5.92
50	MP1C	Mx	-.0005	5.92
51	MP4A	Z	-1.064	.92
52	MP4A	Mx	0	.92
53	MP4A	Z	-1.064	5.92
54	MP4A	Mx	0	5.92
55	MP4B	Z	-1.064	.92
56	MP4B	Mx	.000342	.92
57	MP4B	Z	-1.064	5.92
58	MP4B	Mx	.000342	5.92
59	MP4C	Z	-1.064	.92
60	MP4C	Mx	-.0005	.92
61	MP4C	Z	-1.064	5.92
62	MP4C	Mx	-.0005	5.92
63	MP2A	Z	-8.553	1.5
64	MP2A	Mx	0	1.5
65	MP2B	Z	-8.553	1.5
66	MP2B	Mx	-.003	1.5
67	MP2C	Z	-8.553	1.5
68	MP2C	Mx	.004	1.5
69	MP3A	Z	-7.124	1.5
70	MP3A	Mx	0	1.5
71	MP3B	Z	-7.124	1.5
72	MP3B	Mx	-.002	1.5
73	MP3C	Z	-7.124	1.5
74	MP3C	Mx	.003	1.5
75	OVP	Z	-3.243	1.5
76	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2B	X	1.783	4.5
2	MP2B	Mx	-.000342	4.5
3	MP3A	X	4.413	3.42
4	MP3A	Mx	-.002	3.42
5	MP3A	X	4.413	5.42
6	MP3A	Mx	-.002	5.42
7	MP3B	X	4.413	3.42
8	MP3B	Mx	.002	3.42
9	MP3B	X	4.413	5.42
10	MP3B	Mx	.002	5.42
11	MP3C	X	4.413	3.42
12	MP3C	Mx	.000755	3.42



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
13	MP3C	X	4.413	5.42
14	MP3C	Mx	.000755	5.42
15	MP2A	X	2.027	1.92
16	MP2A	Mx	-.001	1.92
17	MP2A	X	2.027	6.92
18	MP2A	Mx	-.001	6.92
19	MP2B	X	2.027	1.92
20	MP2B	Mx	-.001	1.92
21	MP2B	X	2.027	6.92
22	MP2B	Mx	-.001	6.92
23	MP2C	X	2.027	1.92
24	MP2C	Mx	-.001	1.92
25	MP2C	X	2.027	6.92
26	MP2C	Mx	-.001	6.92
27	MP2A	X	2.027	1.92
28	MP2A	Mx	-.001	1.92
29	MP2A	X	2.027	6.92
30	MP2A	Mx	-.001	6.92
31	MP2B	X	2.027	1.92
32	MP2B	Mx	-.001	1.92
33	MP2B	X	2.027	6.92
34	MP2B	Mx	-.001	6.92
35	MP2C	X	2.027	1.92
36	MP2C	Mx	-.001	1.92
37	MP2C	X	2.027	6.92
38	MP2C	Mx	-.001	6.92
39	MP1A	X	1.064	.92
40	MP1A	Mx	-.000532	.92
41	MP1A	X	1.064	5.92
42	MP1A	Mx	-.000532	5.92
43	MP1B	X	1.064	.92
44	MP1B	Mx	.000408	.92
45	MP1B	X	1.064	5.92
46	MP1B	Mx	.000408	5.92
47	MP1C	X	1.064	.92
48	MP1C	Mx	.000182	.92
49	MP1C	X	1.064	5.92
50	MP1C	Mx	.000182	5.92
51	MP4A	X	1.064	.92
52	MP4A	Mx	-.000532	.92
53	MP4A	X	1.064	5.92
54	MP4A	Mx	-.000532	5.92
55	MP4B	X	1.064	.92
56	MP4B	Mx	.000408	.92
57	MP4B	X	1.064	5.92
58	MP4B	Mx	.000408	5.92
59	MP4C	X	1.064	.92
60	MP4C	Mx	.000182	.92
61	MP4C	X	1.064	5.92
62	MP4C	Mx	.000182	5.92
63	MP2A	X	8.553	1.5
64	MP2A	Mx	.004	1.5
65	MP2B	X	8.553	1.5
66	MP2B	Mx	-.003	1.5
67	MP2C	X	8.553	1.5
68	MP2C	Mx	-.001	1.5
69	MP3A	X	7.124	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
70	MP3A	Mx	.004	1.5
71	MP3B	X	7.124	1.5
72	MP3B	Mx	-.003	1.5
73	MP3C	X	7.124	1.5
74	MP3C	Mx	-.001	1.5
75	OVP	X	3.243	1.5
76	OVP	Mx	0	1.5

**Joint Loads and Enforced Displacements**

Joint Label	L,D,M	Direction	Magnitude[(lb.k-ft), (in.rad), (lb*s^2/...
	No Data to Print ...		

**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	-7.328	-7.328	0	%100
2	M4	Y	-7.755	-7.755	0	%100
3	M5	Y	-7.755	-7.755	0	%100
4	M18	Y	-5.664	-5.664	0	%100
5	M19	Y	-5.664	-5.664	0	%100
6	M20	Y	-5.664	-5.664	0	%100
7	M21	Y	-5.664	-5.664	0	%100
8	M22	Y	-5.664	-5.664	0	%100
9	M28	Y	-9.235	-9.235	0	%100
10	M29	Y	-9.235	-9.235	0	%100
11	M27A	Y	-5.664	-5.664	0	%100
12	M28A	Y	-5.664	-5.664	0	%100
13	M29A	Y	-5.664	-5.664	0	%100
14	M44	Y	-10.183	-10.183	0	%100
15	M47	Y	-10.183	-10.183	0	%100
16	M48	Y	-10.183	-10.183	0	%100
17	M51	Y	-7.672	-7.672	0	%100
18	M52	Y	-7.328	-7.328	0	%100
19	M55	Y	-7.755	-7.755	0	%100
20	M56	Y	-7.755	-7.755	0	%100
21	M69	Y	-5.664	-5.664	0	%100
22	M70	Y	-5.664	-5.664	0	%100
23	M71	Y	-5.664	-5.664	0	%100
24	M72	Y	-5.664	-5.664	0	%100
25	M73	Y	-5.664	-5.664	0	%100
26	M76	Y	-9.235	-9.235	0	%100
27	M77	Y	-9.235	-9.235	0	%100
28	M78	Y	-5.664	-5.664	0	%100
29	M79	Y	-5.664	-5.664	0	%100
30	M80	Y	-5.664	-5.664	0	%100
31	M95	Y	-10.183	-10.183	0	%100
32	M98	Y	-10.183	-10.183	0	%100
33	M99	Y	-10.183	-10.183	0	%100
34	M102	Y	-7.672	-7.672	0	%100
35	M103	Y	-7.328	-7.328	0	%100
36	M106	Y	-7.755	-7.755	0	%100
37	M107	Y	-7.755	-7.755	0	%100
38	M120	Y	-5.664	-5.664	0	%100
39	M121	Y	-5.664	-5.664	0	%100
40	M122	Y	-5.664	-5.664	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
41	M123	Y	-5.664	-5.664	0 %100
42	M124	Y	-5.664	-5.664	0 %100
43	M127	Y	-9.235	-9.235	0 %100
44	M128	Y	-9.235	-9.235	0 %100
45	M129	Y	-5.664	-5.664	0 %100
46	M130	Y	-5.664	-5.664	0 %100
47	M131	Y	-5.664	-5.664	0 %100
48	M146	Y	-10.183	-10.183	0 %100
49	M149	Y	-10.183	-10.183	0 %100
50	M150	Y	-10.183	-10.183	0 %100
51	M153	Y	-7.672	-7.672	0 %100
52	M148A	Y	-9.235	-9.235	0 %100
53	M151A	Y	-5.021	-5.021	0 %100
54	M152A	Y	-10.892	-10.892	0 %100
55	M154	Y	-5.021	-5.021	0 %100
56	M157	Y	-5.021	-5.021	0 %100
57	M166	Y	-10.892	-10.892	0 %100
58	M162A	Y	-10.892	-10.892	0 %100
59	M163A	Y	-10.892	-10.892	0 %100
60	M164A	Y	-10.892	-10.892	0 %100
61	M165A	Y	-10.892	-10.892	0 %100
62	M166A	Y	-10.892	-10.892	0 %100
63	M167	Y	-10.892	-10.892	0 %100
64	M168	Y	-10.892	-10.892	0 %100
65	M169	Y	-10.892	-10.892	0 %100
66	M170	Y	-10.892	-10.892	0 %100
67	M171	Y	-10.892	-10.892	0 %100
68	M172	Y	-5.021	-5.021	0 %100
69	M173	Y	-5.021	-5.021	0 %100
70	M174	Y	-5.021	-5.021	0 %100
71	M175	Y	-5.021	-5.021	0 %100
72	M176	Y	-5.021	-5.021	0 %100
73	M177	Y	-5.021	-5.021	0 %100
74	M203	Y	-5.021	-5.021	0 %100
75	OVP	Y	-5.021	-5.021	0 %100
76	MP3A	Y	-5.021	-5.021	0 %100
77	MP2A	Y	-5.021	-5.021	0 %100
78	MP3C	Y	-5.021	-5.021	0 %100
79	MP2C	Y	-5.021	-5.021	0 %100
80	MP3B	Y	-5.021	-5.021	0 %100
81	MP2B	Y	-5.021	-5.021	0 %100
82	MP1A	Y	-5.021	-5.021	0 %100
83	MP4A	Y	-5.021	-5.021	0 %100
84	MP1C	Y	-5.021	-5.021	0 %100
85	MP4C	Y	-5.021	-5.021	0 %100
86	MP1B	Y	-5.021	-5.021	0 %100
87	MP4B	Y	-5.021	-5.021	0 %100
88	M204A	Y	-9.235	-9.235	0 %100
89	M205B	Y	-9.235	-9.235	0 %100
90	M206	Y	-5.731	-5.731	0 %100
91	M207	Y	-5.731	-5.731	0 %100
92	M208	Y	-5.731	-5.731	0 %100
93	M227	Y	-7.672	-7.672	0 %100
94	M228	Y	-7.672	-7.672	0 %100
95	M229	Y	-7.672	-7.672	0 %100
96	M231	Y	-6.668	-6.668	0 %100
97	M231A	Y	-6.668	-6.668	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
98	M232	Y	-6.668	-6.668	0 %100
99	M233	Y	-6.668	-6.668	0 %100
100	M234	Y	-6.668	-6.668	0 %100
101	M235	Y	-6.668	-6.668	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	0	0	0 %100
3	M4	X	0	0	0 %100
4	M4	Z	0	0	0 %100
5	M5	X	0	0	0 %100
6	M5	Z	0	0	0 %100
7	M18	X	0	0	0 %100
8	M18	Z	-9.3	-9.3	0 %100
9	M19	X	0	0	0 %100
10	M19	Z	-2.512	-2.512	0 %100
11	M20	X	0	0	0 %100
12	M20	Z	-2.512	-2.512	0 %100
13	M21	X	0	0	0 %100
14	M21	Z	-11.231	-11.231	0 %100
15	M22	X	0	0	0 %100
16	M22	Z	-9.3	-9.3	0 %100
17	M28	X	0	0	0 %100
18	M28	Z	-5.734	-5.734	0 %100
19	M29	X	0	0	0 %100
20	M29	Z	-5.734	-5.734	0 %100
21	M27A	X	0	0	0 %100
22	M27A	Z	-2.512	-2.512	0 %100
23	M28A	X	0	0	0 %100
24	M28A	Z	-2.512	-2.512	0 %100
25	M29A	X	0	0	0 %100
26	M29A	Z	-11.231	-11.231	0 %100
27	M44	X	0	0	0 %100
28	M44	Z	-25.536	-25.536	0 %100
29	M47	X	0	0	0 %100
30	M47	Z	-1.596	-1.596	0 %100
31	M48	X	0	0	0 %100
32	M48	Z	-1.596	-1.596	0 %100
33	M51	X	0	0	0 %100
34	M51	Z	-12.542	-12.542	0 %100
35	M52	X	0	0	0 %100
36	M52	Z	-7.737	-7.737	0 %100
37	M55	X	0	0	0 %100
38	M55	Z	-16.137	-16.137	0 %100
39	M56	X	0	0	0 %100
40	M56	Z	-16.137	-16.137	0 %100
41	M69	X	0	0	0 %100
42	M69	Z	-2.325	-2.325	0 %100
43	M70	X	0	0	0 %100
44	M70	Z	-10.049	-10.049	0 %100
45	M71	X	0	0	0 %100
46	M71	Z	-2.512	-2.512	0 %100
47	M72	X	0	0	0 %100
48	M72	Z	-2.808	-2.808	0 %100
49	M73	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.%]
50	M73	Z	-2.325	-2.325	0 %100
51	M76	X	0	0	0 %100
52	M76	Z	-22.936	-22.936	0 %100
53	M77	X	0	0	0 %100
54	M77	Z	-5.734	-5.734	0 %100
55	M78	X	0	0	0 %100
56	M78	Z	-10.049	-10.049	0 %100
57	M79	X	0	0	0 %100
58	M79	Z	-2.512	-2.512	0 %100
59	M80	X	0	0	0 %100
60	M80	Z	-2.808	-2.808	0 %100
61	M95	X	0	0	0 %100
62	M95	Z	-19.817	-19.817	0 %100
63	M98	X	0	0	0 %100
64	M98	Z	-8.379	-8.379	0 %100
65	M99	X	0	0	0 %100
66	M99	Z	-8.379	-8.379	0 %100
67	M102	X	0	0	0 %100
68	M102	Z	-3.135	-3.135	0 %100
69	M103	X	0	0	0 %100
70	M103	Z	-7.737	-7.737	0 %100
71	M106	X	0	0	0 %100
72	M106	Z	-16.137	-16.137	0 %100
73	M107	X	0	0	0 %100
74	M107	Z	-16.137	-16.137	0 %100
75	M120	X	0	0	0 %100
76	M120	Z	-2.325	-2.325	0 %100
77	M121	X	0	0	0 %100
78	M121	Z	-2.512	-2.512	0 %100
79	M122	X	0	0	0 %100
80	M122	Z	-10.049	-10.049	0 %100
81	M123	X	0	0	0 %100
82	M123	Z	-2.808	-2.808	0 %100
83	M124	X	0	0	0 %100
84	M124	Z	-2.325	-2.325	0 %100
85	M127	X	0	0	0 %100
86	M127	Z	-5.734	-5.734	0 %100
87	M128	X	0	0	0 %100
88	M128	Z	-22.936	-22.936	0 %100
89	M129	X	0	0	0 %100
90	M129	Z	-2.512	-2.512	0 %100
91	M130	X	0	0	0 %100
92	M130	Z	-10.049	-10.049	0 %100
93	M131	X	0	0	0 %100
94	M131	Z	-2.808	-2.808	0 %100
95	M146	X	0	0	0 %100
96	M146	Z	-19.817	-19.817	0 %100
97	M149	X	0	0	0 %100
98	M149	Z	-8.379	-8.379	0 %100
99	M150	X	0	0	0 %100
100	M150	Z	-8.379	-8.379	0 %100
101	M153	X	0	0	0 %100
102	M153	Z	-3.135	-3.135	0 %100
103	M148A	X	0	0	0 %100
104	M148A	Z	-26.157	-26.157	0 %100
105	M151A	X	0	0	0 %100
106	M151A	Z	-10.108	-10.108	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.%]
164	MP1A	Z	-10.108	-10.108	0	%100
165	MP4A	X	0	0	0	%100
166	MP4A	Z	-10.108	-10.108	0	%100
167	MP1C	X	0	0	0	%100
168	MP1C	Z	-10.108	-10.108	0	%100
169	MP4C	X	0	0	0	%100
170	MP4C	Z	-10.108	-10.108	0	%100
171	MP1B	X	0	0	0	%100
172	MP1B	Z	-10.108	-10.108	0	%100
173	MP4B	X	0	0	0	%100
174	MP4B	Z	-10.108	-10.108	0	%100
175	M204A	X	0	0	0	%100
176	M204A	Z	-6.539	-6.539	0	%100
177	M205B	X	0	0	0	%100
178	M205B	Z	-6.539	-6.539	0	%100
179	M206	X	0	0	0	%100
180	M206	Z	-12.236	-12.236	0	%100
181	M207	X	0	0	0	%100
182	M207	Z	-3.059	-3.059	0	%100
183	M208	X	0	0	0	%100
184	M208	Z	-3.059	-3.059	0	%100
185	M227	X	0	0	0	%100
186	M227	Z	-3.783	-3.783	0	%100
187	M228	X	0	0	0	%100
188	M228	Z	-3.783	-3.783	0	%100
189	M229	X	0	0	0	%100
190	M229	Z	-15.132	-15.132	0	%100
191	M231	X	0	0	0	%100
192	M231	Z	-11.784	-11.784	0	%100
193	M231A	X	0	0	0	%100
194	M231A	Z	-11.784	-11.784	0	%100
195	M232	X	0	0	0	%100
196	M232	Z	-16.171	-16.171	0	%100
197	M233	X	0	0	0	%100
198	M233	Z	-4.122	-4.122	0	%100
199	M234	X	0	0	0	%100
200	M234	Z	-4.122	-4.122	0	%100
201	M235	X	0	0	0	%100
202	M235	Z	-16.171	-16.171	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	1.29	1.29	0	%100
2	M1	Z	-2.234	-2.234	0	%100
3	M4	X	2.689	2.689	0	%100
4	M4	Z	-4.658	-4.658	0	%100
5	M5	X	2.689	2.689	0	%100
6	M5	Z	-4.658	-4.658	0	%100
7	M18	X	3.488	3.488	0	%100
8	M18	Z	-6.041	-6.041	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	0	0	0	%100
11	M20	X	3.768	3.768	0	%100
12	M20	Z	-6.527	-6.527	0	%100
13	M21	X	4.212	4.212	0	%100
14	M21	Z	-7.295	-7.295	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.%,]
15	M22	X	3.488	3.488	0 %100
16	M22	Z	-6.041	-6.041	0 %100
17	M28	X	0	0	0 %100
18	M28	Z	0	0	0 %100
19	M29	X	8.601	8.601	0 %100
20	M29	Z	-14.897	-14.897	0 %100
21	M27A	X	0	0	0 %100
22	M27A	Z	0	0	0 %100
23	M28A	X	3.768	3.768	0 %100
24	M28A	Z	-6.527	-6.527	0 %100
25	M29A	X	4.212	4.212	0 %100
26	M29A	Z	-7.295	-7.295	0 %100
27	M44	X	9.909	9.909	0 %100
28	M44	Z	-17.162	-17.162	0 %100
29	M47	X	5.919	5.919	0 %100
30	M47	Z	-10.251	-10.251	0 %100
31	M48	X	5.919	5.919	0 %100
32	M48	Z	-10.251	-10.251	0 %100
33	M51	X	4.703	4.703	0 %100
34	M51	Z	-8.146	-8.146	0 %100
35	M52	X	1.29	1.29	0 %100
36	M52	Z	-2.234	-2.234	0 %100
37	M55	X	2.689	2.689	0 %100
38	M55	Z	-4.658	-4.658	0 %100
39	M56	X	2.689	2.689	0 %100
40	M56	Z	-4.658	-4.658	0 %100
41	M69	X	3.488	3.488	0 %100
42	M69	Z	-6.041	-6.041	0 %100
43	M70	X	3.768	3.768	0 %100
44	M70	Z	-6.527	-6.527	0 %100
45	M71	X	0	0	0 %100
46	M71	Z	0	0	0 %100
47	M72	X	4.212	4.212	0 %100
48	M72	Z	-7.295	-7.295	0 %100
49	M73	X	3.488	3.488	0 %100
50	M73	Z	-6.041	-6.041	0 %100
51	M76	X	8.601	8.601	0 %100
52	M76	Z	-14.897	-14.897	0 %100
53	M77	X	0	0	0 %100
54	M77	Z	0	0	0 %100
55	M78	X	3.768	3.768	0 %100
56	M78	Z	-6.527	-6.527	0 %100
57	M79	X	0	0	0 %100
58	M79	Z	0	0	0 %100
59	M80	X	4.212	4.212	0 %100
60	M80	Z	-7.295	-7.295	0 %100
61	M95	X	4.19	4.19	0 %100
62	M95	Z	-7.257	-7.257	0 %100
63	M98	X	9.909	9.909	0 %100
64	M98	Z	-17.162	-17.162	0 %100
65	M99	X	9.909	9.909	0 %100
66	M99	Z	-17.162	-17.162	0 %100
67	M102	X	4.703	4.703	0 %100
68	M102	Z	-8.146	-8.146	0 %100
69	M103	X	5.158	5.158	0 %100
70	M103	Z	-8.934	-8.934	0 %100
71	M106	X	10.758	10.758	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.%]
72	M106	Z	-18.633	-18.633	0 %100
73	M107	X	10.758	10.758	0 %100
74	M107	Z	-18.633	-18.633	0 %100
75	M120	X	0	0	0 %100
76	M120	Z	0	0	0 %100
77	M121	X	3.768	3.768	0 %100
78	M121	Z	-6.527	-6.527	0 %100
79	M122	X	3.768	3.768	0 %100
80	M122	Z	-6.527	-6.527	0 %100
81	M123	X	0	0	0 %100
82	M123	Z	0	0	0 %100
83	M124	X	0	0	0 %100
84	M124	Z	0	0	0 %100
85	M127	X	8.601	8.601	0 %100
86	M127	Z	-14.897	-14.897	0 %100
87	M128	X	8.601	8.601	0 %100
88	M128	Z	-14.897	-14.897	0 %100
89	M129	X	3.768	3.768	0 %100
90	M129	Z	-6.527	-6.527	0 %100
91	M130	X	3.768	3.768	0 %100
92	M130	Z	-6.527	-6.527	0 %100
93	M131	X	0	0	0 %100
94	M131	Z	0	0	0 %100
95	M146	X	12.768	12.768	0 %100
96	M146	Z	-22.115	-22.115	0 %100
97	M149	X	1.33	1.33	0 %100
98	M149	Z	-2.304	-2.304	0 %100
99	M150	X	1.33	1.33	0 %100
100	M150	Z	-2.304	-2.304	0 %100
101	M153	X	0	0	0 %100
102	M153	Z	0	0	0 %100
103	M148A	X	9.809	9.809	0 %100
104	M148A	Z	-16.989	-16.989	0 %100
105	M151A	X	3.791	3.791	0 %100
106	M151A	Z	-6.565	-6.565	0 %100
107	M152A	X	3.458	3.458	0 %100
108	M152A	Z	-5.99	-5.99	0 %100
109	M154	X	3.791	3.791	0 %100
110	M154	Z	-6.565	-6.565	0 %100
111	M157	X	0	0	0 %100
112	M157	Z	0	0	0 %100
113	M166	X	10.374	10.374	0 %100
114	M166	Z	-17.969	-17.969	0 %100
115	M162A	X	3.458	3.458	0 %100
116	M162A	Z	-5.99	-5.99	0 %100
117	M163A	X	10.374	10.374	0 %100
118	M163A	Z	-17.969	-17.969	0 %100
119	M164A	X	3.458	3.458	0 %100
120	M164A	Z	-5.99	-5.99	0 %100
121	M165A	X	10.374	10.374	0 %100
122	M165A	Z	-17.969	-17.969	0 %100
123	M166A	X	3.458	3.458	0 %100
124	M166A	Z	-5.99	-5.99	0 %100
125	M167	X	10.374	10.374	0 %100
126	M167	Z	-17.969	-17.969	0 %100
127	M168	X	13.832	13.832	0 %100
128	M168	Z	-23.958	-23.958	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, %]
129	M169	X	0	0	0 %100
130	M169	Z	0	0	0 %100
131	M170	X	13.832	13.832	0 %100
132	M170	Z	-23.958	-23.958	0 %100
133	M171	X	0	0	0 %100
134	M171	Z	0	0	0 %100
135	M172	X	3.513	3.513	0 %100
136	M172	Z	-6.086	-6.086	0 %100
137	M173	X	3.513	3.513	0 %100
138	M173	Z	-6.086	-6.086	0 %100
139	M174	X	0	0	0 %100
140	M174	Z	0	0	0 %100
141	M175	X	3.791	3.791	0 %100
142	M175	Z	-6.565	-6.565	0 %100
143	M176	X	3.791	3.791	0 %100
144	M176	Z	-6.565	-6.565	0 %100
145	M177	X	0	0	0 %100
146	M177	Z	0	0	0 %100
147	M203	X	4.133	4.133	0 %100
148	M203	Z	-7.158	-7.158	0 %100
149	OVP	X	5.054	5.054	0 %100
150	OVP	Z	-8.754	-8.754	0 %100
151	MP3A	X	5.054	5.054	0 %100
152	MP3A	Z	-8.754	-8.754	0 %100
153	MP2A	X	5.054	5.054	0 %100
154	MP2A	Z	-8.754	-8.754	0 %100
155	MP3C	X	5.054	5.054	0 %100
156	MP3C	Z	-8.754	-8.754	0 %100
157	MP2C	X	5.054	5.054	0 %100
158	MP2C	Z	-8.754	-8.754	0 %100
159	MP3B	X	5.054	5.054	0 %100
160	MP3B	Z	-8.754	-8.754	0 %100
161	MP2B	X	5.054	5.054	0 %100
162	MP2B	Z	-8.754	-8.754	0 %100
163	MP1A	X	5.054	5.054	0 %100
164	MP1A	Z	-8.754	-8.754	0 %100
165	MP4A	X	5.054	5.054	0 %100
166	MP4A	Z	-8.754	-8.754	0 %100
167	MP1C	X	5.054	5.054	0 %100
168	MP1C	Z	-8.754	-8.754	0 %100
169	MP4C	X	5.054	5.054	0 %100
170	MP4C	Z	-8.754	-8.754	0 %100
171	MP1B	X	5.054	5.054	0 %100
172	MP1B	Z	-8.754	-8.754	0 %100
173	MP4B	X	5.054	5.054	0 %100
174	MP4B	Z	-8.754	-8.754	0 %100
175	M204A	X	9.809	9.809	0 %100
176	M204A	Z	-16.989	-16.989	0 %100
177	M205B	X	0	0	0 %100
178	M205B	Z	0	0	0 %100
179	M206	X	4.589	4.589	0 %100
180	M206	Z	-7.948	-7.948	0 %100
181	M207	X	4.589	4.589	0 %100
182	M207	Z	-7.948	-7.948	0 %100
183	M208	X	0	0	0 %100
184	M208	Z	0	0	0 %100
185	M227	X	5.675	5.675	0 %100



Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

July 5, 2023  
 11:40 AM  
 Checked By: DX

**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.%,]
186	M227	Z	-9.829	-9.829	0	%100
187	M228	X	0	0	0	%100
188	M228	Z	0	0	0	%100
189	M229	X	5.675	5.675	0	%100
190	M229	Z	-9.829	-9.829	0	%100
191	M231	X	2.607	2.607	0	%100
192	M231	Z	-4.516	-4.516	0	%100
193	M231A	X	8.631	8.631	0	%100
194	M231A	Z	-14.95	-14.95	0	%100
195	M232	X	8.631	8.631	0	%100
196	M232	Z	-14.95	-14.95	0	%100
197	M233	X	2.607	2.607	0	%100
198	M233	Z	-4.516	-4.516	0	%100
199	M234	X	4.8	4.8	0	%100
200	M234	Z	-8.314	-8.314	0	%100
201	M235	X	4.8	4.8	0	%100
202	M235	Z	-8.314	-8.314	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	6.701	6.701	0	%100
2	M1	Z	-3.869	-3.869	0	%100
3	M4	X	13.975	13.975	0	%100
4	M4	Z	-8.068	-8.068	0	%100
5	M5	X	13.975	13.975	0	%100
6	M5	Z	-8.068	-8.068	0	%100
7	M18	X	2.014	2.014	0	%100
8	M18	Z	-1.163	-1.163	0	%100
9	M19	X	2.176	2.176	0	%100
10	M19	Z	-1.256	-1.256	0	%100
11	M20	X	8.703	8.703	0	%100
12	M20	Z	-5.025	-5.025	0	%100
13	M21	X	2.432	2.432	0	%100
14	M21	Z	-1.404	-1.404	0	%100
15	M22	X	2.014	2.014	0	%100
16	M22	Z	-1.163	-1.163	0	%100
17	M28	X	4.966	4.966	0	%100
18	M28	Z	-2.867	-2.867	0	%100
19	M29	X	19.863	19.863	0	%100
20	M29	Z	-11.468	-11.468	0	%100
21	M27A	X	2.176	2.176	0	%100
22	M27A	Z	-1.256	-1.256	0	%100
23	M28A	X	8.703	8.703	0	%100
24	M28A	Z	-5.025	-5.025	0	%100
25	M29A	X	2.432	2.432	0	%100
26	M29A	Z	-1.404	-1.404	0	%100
27	M44	X	7.257	7.257	0	%100
28	M44	Z	-4.19	-4.19	0	%100
29	M47	X	27.99	27.99	0	%100
30	M47	Z	-16.16	-16.16	0	%100
31	M48	X	27.99	27.99	0	%100
32	M48	Z	-16.16	-16.16	0	%100
33	M51	X	2.715	2.715	0	%100
34	M51	Z	-1.568	-1.568	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	0	0	0	%100



**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.%,]	
37	M55	X	0	0	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M69	X	8.054	8.054	0	%100
42	M69	Z	-4.65	-4.65	0	%100
43	M70	X	2.176	2.176	0	%100
44	M70	Z	-1.256	-1.256	0	%100
45	M71	X	2.176	2.176	0	%100
46	M71	Z	-1.256	-1.256	0	%100
47	M72	X	9.727	9.727	0	%100
48	M72	Z	-5.616	-5.616	0	%100
49	M73	X	8.054	8.054	0	%100
50	M73	Z	-4.65	-4.65	0	%100
51	M76	X	4.966	4.966	0	%100
52	M76	Z	-2.867	-2.867	0	%100
53	M77	X	4.966	4.966	0	%100
54	M77	Z	-2.867	-2.867	0	%100
55	M78	X	2.176	2.176	0	%100
56	M78	Z	-1.256	-1.256	0	%100
57	M79	X	2.176	2.176	0	%100
58	M79	Z	-1.256	-1.256	0	%100
59	M80	X	9.727	9.727	0	%100
60	M80	Z	-5.616	-5.616	0	%100
61	M95	X	2.304	2.304	0	%100
62	M95	Z	-1.33	-1.33	0	%100
63	M98	X	22.115	22.115	0	%100
64	M98	Z	-12.768	-12.768	0	%100
65	M99	X	22.115	22.115	0	%100
66	M99	Z	-12.768	-12.768	0	%100
67	M102	X	10.861	10.861	0	%100
68	M102	Z	-6.271	-6.271	0	%100
69	M103	X	6.701	6.701	0	%100
70	M103	Z	-3.869	-3.869	0	%100
71	M106	X	13.975	13.975	0	%100
72	M106	Z	-8.068	-8.068	0	%100
73	M107	X	13.975	13.975	0	%100
74	M107	Z	-8.068	-8.068	0	%100
75	M120	X	2.014	2.014	0	%100
76	M120	Z	-1.163	-1.163	0	%100
77	M121	X	8.703	8.703	0	%100
78	M121	Z	-5.025	-5.025	0	%100
79	M122	X	2.176	2.176	0	%100
80	M122	Z	-1.256	-1.256	0	%100
81	M123	X	2.432	2.432	0	%100
82	M123	Z	-1.404	-1.404	0	%100
83	M124	X	2.014	2.014	0	%100
84	M124	Z	-1.163	-1.163	0	%100
85	M127	X	19.863	19.863	0	%100
86	M127	Z	-11.468	-11.468	0	%100
87	M128	X	4.966	4.966	0	%100
88	M128	Z	-2.867	-2.867	0	%100
89	M129	X	8.703	8.703	0	%100
90	M129	Z	-5.025	-5.025	0	%100
91	M130	X	2.176	2.176	0	%100
92	M130	Z	-1.256	-1.256	0	%100
93	M131	X	2.432	2.432	0	%100



**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.%]
94	M131	Z	-1.404	-1.404	0 %100
95	M146	X	17.162	17.162	0 %100
96	M146	Z	-9.909	-9.909	0 %100
97	M149	X	7.257	7.257	0 %100
98	M149	Z	-4.19	-4.19	0 %100
99	M150	X	7.257	7.257	0 %100
100	M150	Z	-4.19	-4.19	0 %100
101	M153	X	2.715	2.715	0 %100
102	M153	Z	-1.568	-1.568	0 %100
103	M148A	X	5.663	5.663	0 %100
104	M148A	Z	-3.27	-3.27	0 %100
105	M151A	X	2.188	2.188	0 %100
106	M151A	Z	-1.264	-1.264	0 %100
107	M152A	X	17.969	17.969	0 %100
108	M152A	Z	-10.374	-10.374	0 %100
109	M154	X	8.754	8.754	0 %100
110	M154	Z	-5.054	-5.054	0 %100
111	M157	X	2.188	2.188	0 %100
112	M157	Z	-1.264	-1.264	0 %100
113	M166	X	5.99	5.99	0 %100
114	M166	Z	-3.458	-3.458	0 %100
115	M162A	X	17.969	17.969	0 %100
116	M162A	Z	-10.374	-10.374	0 %100
117	M163A	X	5.99	5.99	0 %100
118	M163A	Z	-3.458	-3.458	0 %100
119	M164A	X	0	0	0 %100
120	M164A	Z	0	0	0 %100
121	M165A	X	23.958	23.958	0 %100
122	M165A	Z	-13.832	-13.832	0 %100
123	M166A	X	0	0	0 %100
124	M166A	Z	0	0	0 %100
125	M167	X	23.958	23.958	0 %100
126	M167	Z	-13.832	-13.832	0 %100
127	M168	X	17.969	17.969	0 %100
128	M168	Z	-10.374	-10.374	0 %100
129	M169	X	5.99	5.99	0 %100
130	M169	Z	-3.458	-3.458	0 %100
131	M170	X	17.969	17.969	0 %100
132	M170	Z	-10.374	-10.374	0 %100
133	M171	X	5.99	5.99	0 %100
134	M171	Z	-3.458	-3.458	0 %100
135	M172	X	2.029	2.029	0 %100
136	M172	Z	-1.171	-1.171	0 %100
137	M173	X	8.114	8.114	0 %100
138	M173	Z	-4.685	-4.685	0 %100
139	M174	X	2.029	2.029	0 %100
140	M174	Z	-1.171	-1.171	0 %100
141	M175	X	2.188	2.188	0 %100
142	M175	Z	-1.264	-1.264	0 %100
143	M176	X	8.754	8.754	0 %100
144	M176	Z	-5.054	-5.054	0 %100
145	M177	X	2.188	2.188	0 %100
146	M177	Z	-1.264	-1.264	0 %100
147	M203	X	7.158	7.158	0 %100
148	M203	Z	-4.133	-4.133	0 %100
149	OVP	X	8.754	8.754	0 %100
150	OVP	Z	-5.054	-5.054	0 %100



**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.%]
151	MP3A	X	8.754	8.754	0 %100
152	MP3A	Z	-5.054	-5.054	0 %100
153	MP2A	X	8.754	8.754	0 %100
154	MP2A	Z	-5.054	-5.054	0 %100
155	MP3C	X	8.754	8.754	0 %100
156	MP3C	Z	-5.054	-5.054	0 %100
157	MP2C	X	8.754	8.754	0 %100
158	MP2C	Z	-5.054	-5.054	0 %100
159	MP3B	X	8.754	8.754	0 %100
160	MP3B	Z	-5.054	-5.054	0 %100
161	MP2B	X	8.754	8.754	0 %100
162	MP2B	Z	-5.054	-5.054	0 %100
163	MP1A	X	8.754	8.754	0 %100
164	MP1A	Z	-5.054	-5.054	0 %100
165	MP4A	X	8.754	8.754	0 %100
166	MP4A	Z	-5.054	-5.054	0 %100
167	MP1C	X	8.754	8.754	0 %100
168	MP1C	Z	-5.054	-5.054	0 %100
169	MP4C	X	8.754	8.754	0 %100
170	MP4C	Z	-5.054	-5.054	0 %100
171	MP1B	X	8.754	8.754	0 %100
172	MP1B	Z	-5.054	-5.054	0 %100
173	MP4B	X	8.754	8.754	0 %100
174	MP4B	Z	-5.054	-5.054	0 %100
175	M204A	X	22.652	22.652	0 %100
176	M204A	Z	-13.078	-13.078	0 %100
177	M205B	X	5.663	5.663	0 %100
178	M205B	Z	-3.27	-3.27	0 %100
179	M206	X	2.649	2.649	0 %100
180	M206	Z	-1.53	-1.53	0 %100
181	M207	X	10.597	10.597	0 %100
182	M207	Z	-6.118	-6.118	0 %100
183	M208	X	2.649	2.649	0 %100
184	M208	Z	-1.53	-1.53	0 %100
185	M227	X	13.105	13.105	0 %100
186	M227	Z	-7.566	-7.566	0 %100
187	M228	X	3.276	3.276	0 %100
188	M228	Z	-1.892	-1.892	0 %100
189	M229	X	3.276	3.276	0 %100
190	M229	Z	-1.892	-1.892	0 %100
191	M231	X	3.57	3.57	0 %100
192	M231	Z	-2.061	-2.061	0 %100
193	M231A	X	14.004	14.004	0 %100
194	M231A	Z	-8.085	-8.085	0 %100
195	M232	X	10.206	10.206	0 %100
196	M232	Z	-5.892	-5.892	0 %100
197	M233	X	10.206	10.206	0 %100
198	M233	Z	-5.892	-5.892	0 %100
199	M234	X	14.004	14.004	0 %100
200	M234	Z	-8.085	-8.085	0 %100
201	M235	X	3.57	3.57	0 %100
202	M235	Z	-2.061	-2.061	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	10.317	10.317	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.%]
2	M1	Z	0	0	0	%100
3	M4	X	21.516	21.516	0	%100
4	M4	Z	0	0	0	%100
5	M5	X	21.516	21.516	0	%100
6	M5	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	7.537	7.537	0	%100
10	M19	Z	0	0	0	%100
11	M20	X	7.537	7.537	0	%100
12	M20	Z	0	0	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	0	0	0	%100
17	M28	X	17.202	17.202	0	%100
18	M28	Z	0	0	0	%100
19	M29	X	17.202	17.202	0	%100
20	M29	Z	0	0	0	%100
21	M27A	X	7.537	7.537	0	%100
22	M27A	Z	0	0	0	%100
23	M28A	X	7.537	7.537	0	%100
24	M28A	Z	0	0	0	%100
25	M29A	X	0	0	0	%100
26	M29A	Z	0	0	0	%100
27	M44	X	2.66	2.66	0	%100
28	M44	Z	0	0	0	%100
29	M47	X	42.561	42.561	0	%100
30	M47	Z	0	0	0	%100
31	M48	X	42.561	42.561	0	%100
32	M48	Z	0	0	0	%100
33	M51	X	0	0	0	%100
34	M51	Z	0	0	0	%100
35	M52	X	2.579	2.579	0	%100
36	M52	Z	0	0	0	%100
37	M55	X	5.379	5.379	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	5.379	5.379	0	%100
40	M56	Z	0	0	0	%100
41	M69	X	6.975	6.975	0	%100
42	M69	Z	0	0	0	%100
43	M70	X	0	0	0	%100
44	M70	Z	0	0	0	%100
45	M71	X	7.537	7.537	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	8.423	8.423	0	%100
48	M72	Z	0	0	0	%100
49	M73	X	6.975	6.975	0	%100
50	M73	Z	0	0	0	%100
51	M76	X	0	0	0	%100
52	M76	Z	0	0	0	%100
53	M77	X	17.202	17.202	0	%100
54	M77	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79	X	7.537	7.537	0	%100
58	M79	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,...	Start Location[ft.%,]	End Location[ft.%,]
59	M80	X	8.423	8.423	0 %100
60	M80	Z	0	0	0 %100
61	M95	X	8.379	8.379	0 %100
62	M95	Z	0	0	0 %100
63	M98	X	19.817	19.817	0 %100
64	M98	Z	0	0	0 %100
65	M99	X	19.817	19.817	0 %100
66	M99	Z	0	0	0 %100
67	M102	X	9.406	9.406	0 %100
68	M102	Z	0	0	0 %100
69	M103	X	2.579	2.579	0 %100
70	M103	Z	0	0	0 %100
71	M106	X	5.379	5.379	0 %100
72	M106	Z	0	0	0 %100
73	M107	X	5.379	5.379	0 %100
74	M107	Z	0	0	0 %100
75	M120	X	6.975	6.975	0 %100
76	M120	Z	0	0	0 %100
77	M121	X	7.537	7.537	0 %100
78	M121	Z	0	0	0 %100
79	M122	X	0	0	0 %100
80	M122	Z	0	0	0 %100
81	M123	X	8.423	8.423	0 %100
82	M123	Z	0	0	0 %100
83	M124	X	6.975	6.975	0 %100
84	M124	Z	0	0	0 %100
85	M127	X	17.202	17.202	0 %100
86	M127	Z	0	0	0 %100
87	M128	X	0	0	0 %100
88	M128	Z	0	0	0 %100
89	M129	X	7.537	7.537	0 %100
90	M129	Z	0	0	0 %100
91	M130	X	0	0	0 %100
92	M130	Z	0	0	0 %100
93	M131	X	8.423	8.423	0 %100
94	M131	Z	0	0	0 %100
95	M146	X	8.379	8.379	0 %100
96	M146	Z	0	0	0 %100
97	M149	X	19.817	19.817	0 %100
98	M149	Z	0	0	0 %100
99	M150	X	19.817	19.817	0 %100
100	M150	Z	0	0	0 %100
101	M153	X	9.406	9.406	0 %100
102	M153	Z	0	0	0 %100
103	M148A	X	0	0	0 %100
104	M148A	Z	0	0	0 %100
105	M151A	X	0	0	0 %100
106	M151A	Z	0	0	0 %100
107	M152A	X	27.665	27.665	0 %100
108	M152A	Z	0	0	0 %100
109	M154	X	7.581	7.581	0 %100
110	M154	Z	0	0	0 %100
111	M157	X	7.581	7.581	0 %100
112	M157	Z	0	0	0 %100
113	M166	X	0	0	0 %100
114	M166	Z	0	0	0 %100
115	M162A	X	27.665	27.665	0 %100



Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

July 5, 2023  
 11:40 AM  
 Checked By: DX

**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,%]	
116	M162A	Z	0	0	0	%100
117	M163A	X	0	0	0	%100
118	M163A	Z	0	0	0	%100
119	M164A	X	6.916	6.916	0	%100
120	M164A	Z	0	0	0	%100
121	M165A	X	20.748	20.748	0	%100
122	M165A	Z	0	0	0	%100
123	M166A	X	6.916	6.916	0	%100
124	M166A	Z	0	0	0	%100
125	M167	X	20.748	20.748	0	%100
126	M167	Z	0	0	0	%100
127	M168	X	6.916	6.916	0	%100
128	M168	Z	0	0	0	%100
129	M169	X	20.748	20.748	0	%100
130	M169	Z	0	0	0	%100
131	M170	X	6.916	6.916	0	%100
132	M170	Z	0	0	0	%100
133	M171	X	20.748	20.748	0	%100
134	M171	Z	0	0	0	%100
135	M172	X	0	0	0	%100
136	M172	Z	0	0	0	%100
137	M173	X	7.027	7.027	0	%100
138	M173	Z	0	0	0	%100
139	M174	X	7.027	7.027	0	%100
140	M174	Z	0	0	0	%100
141	M175	X	0	0	0	%100
142	M175	Z	0	0	0	%100
143	M176	X	7.581	7.581	0	%100
144	M176	Z	0	0	0	%100
145	M177	X	7.581	7.581	0	%100
146	M177	Z	0	0	0	%100
147	M203	X	8.266	8.266	0	%100
148	M203	Z	0	0	0	%100
149	OVP	X	10.108	10.108	0	%100
150	OVP	Z	0	0	0	%100
151	MP3A	X	10.108	10.108	0	%100
152	MP3A	Z	0	0	0	%100
153	MP2A	X	10.108	10.108	0	%100
154	MP2A	Z	0	0	0	%100
155	MP3C	X	10.108	10.108	0	%100
156	MP3C	Z	0	0	0	%100
157	MP2C	X	10.108	10.108	0	%100
158	MP2C	Z	0	0	0	%100
159	MP3B	X	10.108	10.108	0	%100
160	MP3B	Z	0	0	0	%100
161	MP2B	X	10.108	10.108	0	%100
162	MP2B	Z	0	0	0	%100
163	MP1A	X	10.108	10.108	0	%100
164	MP1A	Z	0	0	0	%100
165	MP4A	X	10.108	10.108	0	%100
166	MP4A	Z	0	0	0	%100
167	MP1C	X	10.108	10.108	0	%100
168	MP1C	Z	0	0	0	%100
169	MP4C	X	10.108	10.108	0	%100
170	MP4C	Z	0	0	0	%100
171	MP1B	X	10.108	10.108	0	%100
172	MP1B	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.%]
173	MP4B	X	10.108	10.108	0	%100
174	MP4B	Z	0	0	0	%100
175	M204A	X	19.617	19.617	0	%100
176	M204A	Z	0	0	0	%100
177	M205B	X	19.617	19.617	0	%100
178	M205B	Z	0	0	0	%100
179	M206	X	0	0	0	%100
180	M206	Z	0	0	0	%100
181	M207	X	9.177	9.177	0	%100
182	M207	Z	0	0	0	%100
183	M208	X	9.177	9.177	0	%100
184	M208	Z	0	0	0	%100
185	M227	X	11.349	11.349	0	%100
186	M227	Z	0	0	0	%100
187	M228	X	11.349	11.349	0	%100
188	M228	Z	0	0	0	%100
189	M229	X	0	0	0	%100
190	M229	Z	0	0	0	%100
191	M231	X	9.6	9.6	0	%100
192	M231	Z	0	0	0	%100
193	M231A	X	9.6	9.6	0	%100
194	M231A	Z	0	0	0	%100
195	M232	X	5.214	5.214	0	%100
196	M232	Z	0	0	0	%100
197	M233	X	17.263	17.263	0	%100
198	M233	Z	0	0	0	%100
199	M234	X	17.263	17.263	0	%100
200	M234	Z	0	0	0	%100
201	M235	X	5.214	5.214	0	%100
202	M235	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	6.701	6.701	0	%100
2	M1	Z	3.869	3.869	0	%100
3	M4	X	13.975	13.975	0	%100
4	M4	Z	8.068	8.068	0	%100
5	M5	X	13.975	13.975	0	%100
6	M5	Z	8.068	8.068	0	%100
7	M18	X	2.014	2.014	0	%100
8	M18	Z	1.163	1.163	0	%100
9	M19	X	8.703	8.703	0	%100
10	M19	Z	5.025	5.025	0	%100
11	M20	X	2.176	2.176	0	%100
12	M20	Z	1.256	1.256	0	%100
13	M21	X	2.432	2.432	0	%100
14	M21	Z	1.404	1.404	0	%100
15	M22	X	2.014	2.014	0	%100
16	M22	Z	1.163	1.163	0	%100
17	M28	X	19.863	19.863	0	%100
18	M28	Z	11.468	11.468	0	%100
19	M29	X	4.966	4.966	0	%100
20	M29	Z	2.867	2.867	0	%100
21	M27A	X	8.703	8.703	0	%100
22	M27A	Z	5.025	5.025	0	%100
23	M28A	X	2.176	2.176	0	%100



**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.%]	
24	M28A	Z	1.256	1.256	0	%100
25	M29A	X	2.432	2.432	0	%100
26	M29A	Z	1.404	1.404	0	%100
27	M44	X	7.257	7.257	0	%100
28	M44	Z	4.19	4.19	0	%100
29	M47	X	27.99	27.99	0	%100
30	M47	Z	16.16	16.16	0	%100
31	M48	X	27.99	27.99	0	%100
32	M48	Z	16.16	16.16	0	%100
33	M51	X	2.715	2.715	0	%100
34	M51	Z	1.568	1.568	0	%100
35	M52	X	6.701	6.701	0	%100
36	M52	Z	3.869	3.869	0	%100
37	M55	X	13.975	13.975	0	%100
38	M55	Z	8.068	8.068	0	%100
39	M56	X	13.975	13.975	0	%100
40	M56	Z	8.068	8.068	0	%100
41	M69	X	2.014	2.014	0	%100
42	M69	Z	1.163	1.163	0	%100
43	M70	X	2.176	2.176	0	%100
44	M70	Z	1.256	1.256	0	%100
45	M71	X	8.703	8.703	0	%100
46	M71	Z	5.025	5.025	0	%100
47	M72	X	2.432	2.432	0	%100
48	M72	Z	1.404	1.404	0	%100
49	M73	X	2.014	2.014	0	%100
50	M73	Z	1.163	1.163	0	%100
51	M76	X	4.966	4.966	0	%100
52	M76	Z	2.867	2.867	0	%100
53	M77	X	19.863	19.863	0	%100
54	M77	Z	11.468	11.468	0	%100
55	M78	X	2.176	2.176	0	%100
56	M78	Z	1.256	1.256	0	%100
57	M79	X	8.703	8.703	0	%100
58	M79	Z	5.025	5.025	0	%100
59	M80	X	2.432	2.432	0	%100
60	M80	Z	1.404	1.404	0	%100
61	M95	X	17.162	17.162	0	%100
62	M95	Z	9.909	9.909	0	%100
63	M98	X	7.257	7.257	0	%100
64	M98	Z	4.19	4.19	0	%100
65	M99	X	7.257	7.257	0	%100
66	M99	Z	4.19	4.19	0	%100
67	M102	X	2.715	2.715	0	%100
68	M102	Z	1.568	1.568	0	%100
69	M103	X	0	0	0	%100
70	M103	Z	0	0	0	%100
71	M106	X	0	0	0	%100
72	M106	Z	0	0	0	%100
73	M107	X	0	0	0	%100
74	M107	Z	0	0	0	%100
75	M120	X	8.054	8.054	0	%100
76	M120	Z	4.65	4.65	0	%100
77	M121	X	2.176	2.176	0	%100
78	M121	Z	1.256	1.256	0	%100
79	M122	X	2.176	2.176	0	%100
80	M122	Z	1.256	1.256	0	%100



**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.%,]
81	M123	X	9.727	9.727	0 %100
82	M123	Z	5.616	5.616	0 %100
83	M124	X	8.054	8.054	0 %100
84	M124	Z	4.65	4.65	0 %100
85	M127	X	4.966	4.966	0 %100
86	M127	Z	2.867	2.867	0 %100
87	M128	X	4.966	4.966	0 %100
88	M128	Z	2.867	2.867	0 %100
89	M129	X	2.176	2.176	0 %100
90	M129	Z	1.256	1.256	0 %100
91	M130	X	2.176	2.176	0 %100
92	M130	Z	1.256	1.256	0 %100
93	M131	X	9.727	9.727	0 %100
94	M131	Z	5.616	5.616	0 %100
95	M146	X	2.304	2.304	0 %100
96	M146	Z	1.33	1.33	0 %100
97	M149	X	22.115	22.115	0 %100
98	M149	Z	12.768	12.768	0 %100
99	M150	X	22.115	22.115	0 %100
100	M150	Z	12.768	12.768	0 %100
101	M153	X	10.861	10.861	0 %100
102	M153	Z	6.271	6.271	0 %100
103	M148A	X	5.663	5.663	0 %100
104	M148A	Z	3.27	3.27	0 %100
105	M151A	X	2.188	2.188	0 %100
106	M151A	Z	1.264	1.264	0 %100
107	M152A	X	17.969	17.969	0 %100
108	M152A	Z	10.374	10.374	0 %100
109	M154	X	2.188	2.188	0 %100
110	M154	Z	1.264	1.264	0 %100
111	M157	X	8.754	8.754	0 %100
112	M157	Z	5.054	5.054	0 %100
113	M166	X	5.99	5.99	0 %100
114	M166	Z	3.458	3.458	0 %100
115	M162A	X	17.969	17.969	0 %100
116	M162A	Z	10.374	10.374	0 %100
117	M163A	X	5.99	5.99	0 %100
118	M163A	Z	3.458	3.458	0 %100
119	M164A	X	17.969	17.969	0 %100
120	M164A	Z	10.374	10.374	0 %100
121	M165A	X	5.99	5.99	0 %100
122	M165A	Z	3.458	3.458	0 %100
123	M166A	X	17.968	17.968	0 %100
124	M166A	Z	10.374	10.374	0 %100
125	M167	X	5.99	5.99	0 %100
126	M167	Z	3.458	3.458	0 %100
127	M168	X	0	0	0 %100
128	M168	Z	0	0	0 %100
129	M169	X	23.958	23.958	0 %100
130	M169	Z	13.832	13.832	0 %100
131	M170	X	0	0	0 %100
132	M170	Z	0	0	0 %100
133	M171	X	23.958	23.958	0 %100
134	M171	Z	13.832	13.832	0 %100
135	M172	X	2.029	2.029	0 %100
136	M172	Z	1.171	1.171	0 %100
137	M173	X	2.029	2.029	0 %100





**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.%]
138	M173	Z	1.171	1.171	0 %100
139	M174	X	8.114	8.114	0 %100
140	M174	Z	4.685	4.685	0 %100
141	M175	X	2.188	2.188	0 %100
142	M175	Z	1.264	1.264	0 %100
143	M176	X	2.188	2.188	0 %100
144	M176	Z	1.264	1.264	0 %100
145	M177	X	8.754	8.754	0 %100
146	M177	Z	5.054	5.054	0 %100
147	M203	X	7.158	7.158	0 %100
148	M203	Z	4.133	4.133	0 %100
149	OVP	X	8.754	8.754	0 %100
150	OVP	Z	5.054	5.054	0 %100
151	MP3A	X	8.754	8.754	0 %100
152	MP3A	Z	5.054	5.054	0 %100
153	MP2A	X	8.754	8.754	0 %100
154	MP2A	Z	5.054	5.054	0 %100
155	MP3C	X	8.754	8.754	0 %100
156	MP3C	Z	5.054	5.054	0 %100
157	MP2C	X	8.754	8.754	0 %100
158	MP2C	Z	5.054	5.054	0 %100
159	MP3B	X	8.754	8.754	0 %100
160	MP3B	Z	5.054	5.054	0 %100
161	MP2B	X	8.754	8.754	0 %100
162	MP2B	Z	5.054	5.054	0 %100
163	MP1A	X	8.754	8.754	0 %100
164	MP1A	Z	5.054	5.054	0 %100
165	MP4A	X	8.754	8.754	0 %100
166	MP4A	Z	5.054	5.054	0 %100
167	MP1C	X	8.754	8.754	0 %100
168	MP1C	Z	5.054	5.054	0 %100
169	MP4C	X	8.754	8.754	0 %100
170	MP4C	Z	5.054	5.054	0 %100
171	MP1B	X	8.754	8.754	0 %100
172	MP1B	Z	5.054	5.054	0 %100
173	MP4B	X	8.754	8.754	0 %100
174	MP4B	Z	5.054	5.054	0 %100
175	M204A	X	5.663	5.663	0 %100
176	M204A	Z	3.27	3.27	0 %100
177	M205B	X	22.652	22.652	0 %100
178	M205B	Z	13.078	13.078	0 %100
179	M206	X	2.649	2.649	0 %100
180	M206	Z	1.53	1.53	0 %100
181	M207	X	2.649	2.649	0 %100
182	M207	Z	1.53	1.53	0 %100
183	M208	X	10.597	10.597	0 %100
184	M208	Z	6.118	6.118	0 %100
185	M227	X	3.276	3.276	0 %100
186	M227	Z	1.892	1.892	0 %100
187	M228	X	13.105	13.105	0 %100
188	M228	Z	7.566	7.566	0 %100
189	M229	X	3.276	3.276	0 %100
190	M229	Z	1.892	1.892	0 %100
191	M231	X	14.004	14.004	0 %100
192	M231	Z	8.085	8.085	0 %100
193	M231A	X	3.57	3.57	0 %100
194	M231A	Z	2.061	2.061	0 %100



**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, %]
195	M232	X	3.57	3.57	0	%100
196	M232	Z	2.061	2.061	0	%100
197	M233	X	14.004	14.004	0	%100
198	M233	Z	8.085	8.085	0	%100
199	M234	X	10.206	10.206	0	%100
200	M234	Z	5.892	5.892	0	%100
201	M235	X	10.206	10.206	0	%100
202	M235	Z	5.892	5.892	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.29	1.29	0	%100
2	M1	Z	2.234	2.234	0	%100
3	M4	X	2.689	2.689	0	%100
4	M4	Z	4.658	4.658	0	%100
5	M5	X	2.689	2.689	0	%100
6	M5	Z	4.658	4.658	0	%100
7	M18	X	3.488	3.488	0	%100
8	M18	Z	6.041	6.041	0	%100
9	M19	X	3.768	3.768	0	%100
10	M19	Z	6.527	6.527	0	%100
11	M20	X	0	0	0	%100
12	M20	Z	0	0	0	%100
13	M21	X	4.212	4.212	0	%100
14	M21	Z	7.295	7.295	0	%100
15	M22	X	3.488	3.488	0	%100
16	M22	Z	6.041	6.041	0	%100
17	M28	X	8.601	8.601	0	%100
18	M28	Z	14.897	14.897	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	0	0	0	%100
21	M27A	X	3.768	3.768	0	%100
22	M27A	Z	6.527	6.527	0	%100
23	M28A	X	0	0	0	%100
24	M28A	Z	0	0	0	%100
25	M29A	X	4.212	4.212	0	%100
26	M29A	Z	7.295	7.295	0	%100
27	M44	X	9.909	9.909	0	%100
28	M44	Z	17.162	17.162	0	%100
29	M47	X	5.919	5.919	0	%100
30	M47	Z	10.251	10.251	0	%100
31	M48	X	5.919	5.919	0	%100
32	M48	Z	10.251	10.251	0	%100
33	M51	X	4.703	4.703	0	%100
34	M51	Z	8.146	8.146	0	%100
35	M52	X	5.158	5.158	0	%100
36	M52	Z	8.934	8.934	0	%100
37	M55	X	10.758	10.758	0	%100
38	M55	Z	18.633	18.633	0	%100
39	M56	X	10.758	10.758	0	%100
40	M56	Z	18.633	18.633	0	%100
41	M69	X	0	0	0	%100
42	M69	Z	0	0	0	%100
43	M70	X	3.768	3.768	0	%100
44	M70	Z	6.527	6.527	0	%100
45	M71	X	3.768	3.768	0	%100



**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, %]
46	M71	Z	6.527	6.527	0 %100
47	M72	X	0	0	0 %100
48	M72	Z	0	0	0 %100
49	M73	X	0	0	0 %100
50	M73	Z	0	0	0 %100
51	M76	X	8.601	8.601	0 %100
52	M76	Z	14.897	14.897	0 %100
53	M77	X	8.601	8.601	0 %100
54	M77	Z	14.897	14.897	0 %100
55	M78	X	3.768	3.768	0 %100
56	M78	Z	6.527	6.527	0 %100
57	M79	X	3.768	3.768	0 %100
58	M79	Z	6.527	6.527	0 %100
59	M80	X	0	0	0 %100
60	M80	Z	0	0	0 %100
61	M95	X	12.768	12.768	0 %100
62	M95	Z	22.115	22.115	0 %100
63	M98	X	1.33	1.33	0 %100
64	M98	Z	2.304	2.304	0 %100
65	M99	X	1.33	1.33	0 %100
66	M99	Z	2.304	2.304	0 %100
67	M102	X	0	0	0 %100
68	M102	Z	0	0	0 %100
69	M103	X	1.29	1.29	0 %100
70	M103	Z	2.234	2.234	0 %100
71	M106	X	2.689	2.689	0 %100
72	M106	Z	4.658	4.658	0 %100
73	M107	X	2.689	2.689	0 %100
74	M107	Z	4.658	4.658	0 %100
75	M120	X	3.488	3.488	0 %100
76	M120	Z	6.041	6.041	0 %100
77	M121	X	0	0	0 %100
78	M121	Z	0	0	0 %100
79	M122	X	3.768	3.768	0 %100
80	M122	Z	6.527	6.527	0 %100
81	M123	X	4.212	4.212	0 %100
82	M123	Z	7.295	7.295	0 %100
83	M124	X	3.488	3.488	0 %100
84	M124	Z	6.041	6.041	0 %100
85	M127	X	0	0	0 %100
86	M127	Z	0	0	0 %100
87	M128	X	8.601	8.601	0 %100
88	M128	Z	14.897	14.897	0 %100
89	M129	X	0	0	0 %100
90	M129	Z	0	0	0 %100
91	M130	X	3.768	3.768	0 %100
92	M130	Z	6.527	6.527	0 %100
93	M131	X	4.212	4.212	0 %100
94	M131	Z	7.295	7.295	0 %100
95	M146	X	4.19	4.19	0 %100
96	M146	Z	7.257	7.257	0 %100
97	M149	X	9.909	9.909	0 %100
98	M149	Z	17.162	17.162	0 %100
99	M150	X	9.909	9.909	0 %100
100	M150	Z	17.162	17.162	0 %100
101	M153	X	4.703	4.703	0 %100
102	M153	Z	8.146	8.146	0 %100



Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

July 5, 2023  
 11:40 AM  
 Checked By: DX

**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.%,]
103	M148A	X	9.809	9.809	0 %100
104	M148A	Z	16.989	16.989	0 %100
105	M151A	X	3.791	3.791	0 %100
106	M151A	Z	6.565	6.565	0 %100
107	M152A	X	3.458	3.458	0 %100
108	M152A	Z	5.99	5.99	0 %100
109	M154	X	0	0	0 %100
110	M154	Z	0	0	0 %100
111	M157	X	3.791	3.791	0 %100
112	M157	Z	6.565	6.565	0 %100
113	M166	X	10.374	10.374	0 %100
114	M166	Z	17.969	17.969	0 %100
115	M162A	X	3.458	3.458	0 %100
116	M162A	Z	5.99	5.99	0 %100
117	M163A	X	10.374	10.374	0 %100
118	M163A	Z	17.969	17.969	0 %100
119	M164A	X	13.832	13.832	0 %100
120	M164A	Z	23.958	23.958	0 %100
121	M165A	X	0	0	0 %100
122	M165A	Z	0	0	0 %100
123	M166A	X	13.832	13.832	0 %100
124	M166A	Z	23.958	23.958	0 %100
125	M167	X	0	0	0 %100
126	M167	Z	0	0	0 %100
127	M168	X	3.458	3.458	0 %100
128	M168	Z	5.989	5.989	0 %100
129	M169	X	10.374	10.374	0 %100
130	M169	Z	17.969	17.969	0 %100
131	M170	X	3.458	3.458	0 %100
132	M170	Z	5.989	5.989	0 %100
133	M171	X	10.374	10.374	0 %100
134	M171	Z	17.969	17.969	0 %100
135	M172	X	3.513	3.513	0 %100
136	M172	Z	6.086	6.086	0 %100
137	M173	X	0	0	0 %100
138	M173	Z	0	0	0 %100
139	M174	X	3.513	3.513	0 %100
140	M174	Z	6.086	6.086	0 %100
141	M175	X	3.791	3.791	0 %100
142	M175	Z	6.565	6.565	0 %100
143	M176	X	0	0	0 %100
144	M176	Z	0	0	0 %100
145	M177	X	3.791	3.791	0 %100
146	M177	Z	6.565	6.565	0 %100
147	M203	X	4.133	4.133	0 %100
148	M203	Z	7.158	7.158	0 %100
149	OVP	X	5.054	5.054	0 %100
150	OVP	Z	8.754	8.754	0 %100
151	MP3A	X	5.054	5.054	0 %100
152	MP3A	Z	8.754	8.754	0 %100
153	MP2A	X	5.054	5.054	0 %100
154	MP2A	Z	8.754	8.754	0 %100
155	MP3C	X	5.054	5.054	0 %100
156	MP3C	Z	8.754	8.754	0 %100
157	MP2C	X	5.054	5.054	0 %100
158	MP2C	Z	8.754	8.754	0 %100
159	MP3B	X	5.054	5.054	0 %100



**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.%]
160	MP3B	Z	8.754	8.754	0	%100
161	MP2B	X	5.054	5.054	0	%100
162	MP2B	Z	8.754	8.754	0	%100
163	MP1A	X	5.054	5.054	0	%100
164	MP1A	Z	8.754	8.754	0	%100
165	MP4A	X	5.054	5.054	0	%100
166	MP4A	Z	8.754	8.754	0	%100
167	MP1C	X	5.054	5.054	0	%100
168	MP1C	Z	8.754	8.754	0	%100
169	MP4C	X	5.054	5.054	0	%100
170	MP4C	Z	8.754	8.754	0	%100
171	MP1B	X	5.054	5.054	0	%100
172	MP1B	Z	8.754	8.754	0	%100
173	MP4B	X	5.054	5.054	0	%100
174	MP4B	Z	8.754	8.754	0	%100
175	M204A	X	0	0	0	%100
176	M204A	Z	0	0	0	%100
177	M205B	X	9.809	9.809	0	%100
178	M205B	Z	16.989	16.989	0	%100
179	M206	X	4.589	4.589	0	%100
180	M206	Z	7.948	7.948	0	%100
181	M207	X	0	0	0	%100
182	M207	Z	0	0	0	%100
183	M208	X	4.589	4.589	0	%100
184	M208	Z	7.948	7.948	0	%100
185	M227	X	0	0	0	%100
186	M227	Z	0	0	0	%100
187	M228	X	5.675	5.675	0	%100
188	M228	Z	9.829	9.829	0	%100
189	M229	X	5.675	5.675	0	%100
190	M229	Z	9.829	9.829	0	%100
191	M231	X	8.631	8.631	0	%100
192	M231	Z	14.95	14.95	0	%100
193	M231A	X	2.607	2.607	0	%100
194	M231A	Z	4.516	4.516	0	%100
195	M232	X	4.8	4.8	0	%100
196	M232	Z	8.314	8.314	0	%100
197	M233	X	4.8	4.8	0	%100
198	M233	Z	8.314	8.314	0	%100
199	M234	X	2.607	2.607	0	%100
200	M234	Z	4.516	4.516	0	%100
201	M235	X	8.631	8.631	0	%100
202	M235	Z	14.95	14.95	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	9.3	9.3	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	2.512	2.512	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
11	M20	X	0	0	%100
12	M20	Z	2.512	2.512	%100
13	M21	X	0	0	%100
14	M21	Z	11.231	11.231	%100
15	M22	X	0	0	%100
16	M22	Z	9.3	9.3	%100
17	M28	X	0	0	%100
18	M28	Z	5.734	5.734	%100
19	M29	X	0	0	%100
20	M29	Z	5.734	5.734	%100
21	M27A	X	0	0	%100
22	M27A	Z	2.512	2.512	%100
23	M28A	X	0	0	%100
24	M28A	Z	2.512	2.512	%100
25	M29A	X	0	0	%100
26	M29A	Z	11.231	11.231	%100
27	M44	X	0	0	%100
28	M44	Z	25.536	25.536	%100
29	M47	X	0	0	%100
30	M47	Z	1.596	1.596	%100
31	M48	X	0	0	%100
32	M48	Z	1.596	1.596	%100
33	M51	X	0	0	%100
34	M51	Z	12.542	12.542	%100
35	M52	X	0	0	%100
36	M52	Z	7.737	7.737	%100
37	M55	X	0	0	%100
38	M55	Z	16.137	16.137	%100
39	M56	X	0	0	%100
40	M56	Z	16.137	16.137	%100
41	M69	X	0	0	%100
42	M69	Z	2.325	2.325	%100
43	M70	X	0	0	%100
44	M70	Z	10.049	10.049	%100
45	M71	X	0	0	%100
46	M71	Z	2.512	2.512	%100
47	M72	X	0	0	%100
48	M72	Z	2.808	2.808	%100
49	M73	X	0	0	%100
50	M73	Z	2.325	2.325	%100
51	M76	X	0	0	%100
52	M76	Z	22.936	22.936	%100
53	M77	X	0	0	%100
54	M77	Z	5.734	5.734	%100
55	M78	X	0	0	%100
56	M78	Z	10.049	10.049	%100
57	M79	X	0	0	%100
58	M79	Z	2.512	2.512	%100
59	M80	X	0	0	%100
60	M80	Z	2.808	2.808	%100
61	M95	X	0	0	%100
62	M95	Z	19.817	19.817	%100
63	M98	X	0	0	%100
64	M98	Z	8.379	8.379	%100
65	M99	X	0	0	%100
66	M99	Z	8.379	8.379	%100
67	M102	X	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
68	M102	Z	3.135	3.135	0 %100
69	M103	X	0	0	0 %100
70	M103	Z	7.737	7.737	0 %100
71	M106	X	0	0	0 %100
72	M106	Z	16.137	16.137	0 %100
73	M107	X	0	0	0 %100
74	M107	Z	16.137	16.137	0 %100
75	M120	X	0	0	0 %100
76	M120	Z	2.325	2.325	0 %100
77	M121	X	0	0	0 %100
78	M121	Z	2.512	2.512	0 %100
79	M122	X	0	0	0 %100
80	M122	Z	10.049	10.049	0 %100
81	M123	X	0	0	0 %100
82	M123	Z	2.808	2.808	0 %100
83	M124	X	0	0	0 %100
84	M124	Z	2.325	2.325	0 %100
85	M127	X	0	0	0 %100
86	M127	Z	5.734	5.734	0 %100
87	M128	X	0	0	0 %100
88	M128	Z	22.936	22.936	0 %100
89	M129	X	0	0	0 %100
90	M129	Z	2.512	2.512	0 %100
91	M130	X	0	0	0 %100
92	M130	Z	10.049	10.049	0 %100
93	M131	X	0	0	0 %100
94	M131	Z	2.808	2.808	0 %100
95	M146	X	0	0	0 %100
96	M146	Z	19.817	19.817	0 %100
97	M149	X	0	0	0 %100
98	M149	Z	8.379	8.379	0 %100
99	M150	X	0	0	0 %100
100	M150	Z	8.379	8.379	0 %100
101	M153	X	0	0	0 %100
102	M153	Z	3.135	3.135	0 %100
103	M148A	X	0	0	0 %100
104	M148A	Z	26.157	26.157	0 %100
105	M151A	X	0	0	0 %100
106	M151A	Z	10.108	10.108	0 %100
107	M152A	X	0	0	0 %100
108	M152A	Z	0	0	0 %100
109	M154	X	0	0	0 %100
110	M154	Z	2.527	2.527	0 %100
111	M157	X	0	0	0 %100
112	M157	Z	2.527	2.527	0 %100
113	M166	X	0	0	0 %100
114	M166	Z	27.665	27.665	0 %100
115	M162A	X	0	0	0 %100
116	M162A	Z	0	0	0 %100
117	M163A	X	0	0	0 %100
118	M163A	Z	27.665	27.665	0 %100
119	M164A	X	0	0	0 %100
120	M164A	Z	20.748	20.748	0 %100
121	M165A	X	0	0	0 %100
122	M165A	Z	6.916	6.916	0 %100
123	M166A	X	0	0	0 %100
124	M166A	Z	20.749	20.749	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
125	M167	X	0	0	%100
126	M167	Z	6.916	6.916	%100
127	M168	X	0	0	%100
128	M168	Z	20.748	20.748	%100
129	M169	X	0	0	%100
130	M169	Z	6.916	6.916	%100
131	M170	X	0	0	%100
132	M170	Z	20.748	20.748	%100
133	M171	X	0	0	%100
134	M171	Z	6.916	6.916	%100
135	M172	X	0	0	%100
136	M172	Z	9.369	9.369	%100
137	M173	X	0	0	%100
138	M173	Z	2.342	2.342	%100
139	M174	X	0	0	%100
140	M174	Z	2.342	2.342	%100
141	M175	X	0	0	%100
142	M175	Z	10.108	10.108	%100
143	M176	X	0	0	%100
144	M176	Z	2.527	2.527	%100
145	M177	X	0	0	%100
146	M177	Z	2.527	2.527	%100
147	M203	X	0	0	%100
148	M203	Z	8.266	8.266	%100
149	OVP	X	0	0	%100
150	OVP	Z	10.108	10.108	%100
151	MP3A	X	0	0	%100
152	MP3A	Z	10.108	10.108	%100
153	MP2A	X	0	0	%100
154	MP2A	Z	10.108	10.108	%100
155	MP3C	X	0	0	%100
156	MP3C	Z	10.108	10.108	%100
157	MP2C	X	0	0	%100
158	MP2C	Z	10.108	10.108	%100
159	MP3B	X	0	0	%100
160	MP3B	Z	10.108	10.108	%100
161	MP2B	X	0	0	%100
162	MP2B	Z	10.108	10.108	%100
163	MP1A	X	0	0	%100
164	MP1A	Z	10.108	10.108	%100
165	MP4A	X	0	0	%100
166	MP4A	Z	10.108	10.108	%100
167	MP1C	X	0	0	%100
168	MP1C	Z	10.108	10.108	%100
169	MP4C	X	0	0	%100
170	MP4C	Z	10.108	10.108	%100
171	MP1B	X	0	0	%100
172	MP1B	Z	10.108	10.108	%100
173	MP4B	X	0	0	%100
174	MP4B	Z	10.108	10.108	%100
175	M204A	X	0	0	%100
176	M204A	Z	6.539	6.539	%100
177	M205B	X	0	0	%100
178	M205B	Z	6.539	6.539	%100
179	M206	X	0	0	%100
180	M206	Z	12.236	12.236	%100
181	M207	X	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
182	M207	Z	3.059	3.059	0	%100
183	M208	X	0	0	0	%100
184	M208	Z	3.059	3.059	0	%100
185	M227	X	0	0	0	%100
186	M227	Z	3.783	3.783	0	%100
187	M228	X	0	0	0	%100
188	M228	Z	3.783	3.783	0	%100
189	M229	X	0	0	0	%100
190	M229	Z	15.132	15.132	0	%100
191	M231	X	0	0	0	%100
192	M231	Z	11.784	11.784	0	%100
193	M231A	X	0	0	0	%100
194	M231A	Z	11.784	11.784	0	%100
195	M232	X	0	0	0	%100
196	M232	Z	16.171	16.171	0	%100
197	M233	X	0	0	0	%100
198	M233	Z	4.122	4.122	0	%100
199	M234	X	0	0	0	%100
200	M234	Z	4.122	4.122	0	%100
201	M235	X	0	0	0	%100
202	M235	Z	16.171	16.171	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.29	-1.29	0	%100
2	M1	Z	2.234	2.234	0	%100
3	M4	X	-2.689	-2.689	0	%100
4	M4	Z	4.658	4.658	0	%100
5	M5	X	-2.689	-2.689	0	%100
6	M5	Z	4.658	4.658	0	%100
7	M18	X	-3.488	-3.488	0	%100
8	M18	Z	6.041	6.041	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	0	0	0	%100
11	M20	X	-3.768	-3.768	0	%100
12	M20	Z	6.527	6.527	0	%100
13	M21	X	-4.212	-4.212	0	%100
14	M21	Z	7.295	7.295	0	%100
15	M22	X	-3.488	-3.488	0	%100
16	M22	Z	6.041	6.041	0	%100
17	M28	X	0	0	0	%100
18	M28	Z	0	0	0	%100
19	M29	X	-8.601	-8.601	0	%100
20	M29	Z	14.897	14.897	0	%100
21	M27A	X	0	0	0	%100
22	M27A	Z	0	0	0	%100
23	M28A	X	-3.768	-3.768	0	%100
24	M28A	Z	6.527	6.527	0	%100
25	M29A	X	-4.212	-4.212	0	%100
26	M29A	Z	7.295	7.295	0	%100
27	M44	X	-9.909	-9.909	0	%100
28	M44	Z	17.162	17.162	0	%100
29	M47	X	-5.919	-5.919	0	%100
30	M47	Z	10.251	10.251	0	%100
31	M48	X	-5.919	-5.919	0	%100
32	M48	Z	10.251	10.251	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
33	M51	X	-4.703	-4.703	0 %100
34	M51	Z	8.146	8.146	0 %100
35	M52	X	-1.29	-1.29	0 %100
36	M52	Z	2.234	2.234	0 %100
37	M55	X	-2.689	-2.689	0 %100
38	M55	Z	4.658	4.658	0 %100
39	M56	X	-2.689	-2.689	0 %100
40	M56	Z	4.658	4.658	0 %100
41	M69	X	-3.488	-3.488	0 %100
42	M69	Z	6.041	6.041	0 %100
43	M70	X	-3.768	-3.768	0 %100
44	M70	Z	6.527	6.527	0 %100
45	M71	X	0	0	0 %100
46	M71	Z	0	0	0 %100
47	M72	X	-4.212	-4.212	0 %100
48	M72	Z	7.295	7.295	0 %100
49	M73	X	-3.488	-3.488	0 %100
50	M73	Z	6.041	6.041	0 %100
51	M76	X	-8.601	-8.601	0 %100
52	M76	Z	14.897	14.897	0 %100
53	M77	X	0	0	0 %100
54	M77	Z	0	0	0 %100
55	M78	X	-3.768	-3.768	0 %100
56	M78	Z	6.527	6.527	0 %100
57	M79	X	0	0	0 %100
58	M79	Z	0	0	0 %100
59	M80	X	-4.212	-4.212	0 %100
60	M80	Z	7.295	7.295	0 %100
61	M95	X	-4.19	-4.19	0 %100
62	M95	Z	7.257	7.257	0 %100
63	M98	X	-9.909	-9.909	0 %100
64	M98	Z	17.162	17.162	0 %100
65	M99	X	-9.909	-9.909	0 %100
66	M99	Z	17.162	17.162	0 %100
67	M102	X	-4.703	-4.703	0 %100
68	M102	Z	8.146	8.146	0 %100
69	M103	X	-5.158	-5.158	0 %100
70	M103	Z	8.934	8.934	0 %100
71	M106	X	-10.758	-10.758	0 %100
72	M106	Z	18.633	18.633	0 %100
73	M107	X	-10.758	-10.758	0 %100
74	M107	Z	18.633	18.633	0 %100
75	M120	X	0	0	0 %100
76	M120	Z	0	0	0 %100
77	M121	X	-3.768	-3.768	0 %100
78	M121	Z	6.527	6.527	0 %100
79	M122	X	-3.768	-3.768	0 %100
80	M122	Z	6.527	6.527	0 %100
81	M123	X	0	0	0 %100
82	M123	Z	0	0	0 %100
83	M124	X	0	0	0 %100
84	M124	Z	0	0	0 %100
85	M127	X	-8.601	-8.601	0 %100
86	M127	Z	14.897	14.897	0 %100
87	M128	X	-8.601	-8.601	0 %100
88	M128	Z	14.897	14.897	0 %100
89	M129	X	-3.768	-3.768	0 %100





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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
147	M203	X	-4.133	-4.133	0 %100
148	M203	Z	7.158	7.158	0 %100
149	OVP	X	-5.054	-5.054	0 %100
150	OVP	Z	8.754	8.754	0 %100
151	MP3A	X	-5.054	-5.054	0 %100
152	MP3A	Z	8.754	8.754	0 %100
153	MP2A	X	-5.054	-5.054	0 %100
154	MP2A	Z	8.754	8.754	0 %100
155	MP3C	X	-5.054	-5.054	0 %100
156	MP3C	Z	8.754	8.754	0 %100
157	MP2C	X	-5.054	-5.054	0 %100
158	MP2C	Z	8.754	8.754	0 %100
159	MP3B	X	-5.054	-5.054	0 %100
160	MP3B	Z	8.754	8.754	0 %100
161	MP2B	X	-5.054	-5.054	0 %100
162	MP2B	Z	8.754	8.754	0 %100
163	MP1A	X	-5.054	-5.054	0 %100
164	MP1A	Z	8.754	8.754	0 %100
165	MP4A	X	-5.054	-5.054	0 %100
166	MP4A	Z	8.754	8.754	0 %100
167	MP1C	X	-5.054	-5.054	0 %100
168	MP1C	Z	8.754	8.754	0 %100
169	MP4C	X	-5.054	-5.054	0 %100
170	MP4C	Z	8.754	8.754	0 %100
171	MP1B	X	-5.054	-5.054	0 %100
172	MP1B	Z	8.754	8.754	0 %100
173	MP4B	X	-5.054	-5.054	0 %100
174	MP4B	Z	8.754	8.754	0 %100
175	M204A	X	-9.809	-9.809	0 %100
176	M204A	Z	16.989	16.989	0 %100
177	M205B	X	0	0	0 %100
178	M205B	Z	0	0	0 %100
179	M206	X	-4.589	-4.589	0 %100
180	M206	Z	7.948	7.948	0 %100
181	M207	X	-4.589	-4.589	0 %100
182	M207	Z	7.948	7.948	0 %100
183	M208	X	0	0	0 %100
184	M208	Z	0	0	0 %100
185	M227	X	-5.675	-5.675	0 %100
186	M227	Z	9.829	9.829	0 %100
187	M228	X	0	0	0 %100
188	M228	Z	0	0	0 %100
189	M229	X	-5.675	-5.675	0 %100
190	M229	Z	9.829	9.829	0 %100
191	M231	X	-2.607	-2.607	0 %100
192	M231	Z	4.516	4.516	0 %100
193	M231A	X	-8.631	-8.631	0 %100
194	M231A	Z	14.95	14.95	0 %100
195	M232	X	-8.631	-8.631	0 %100
196	M232	Z	14.95	14.95	0 %100
197	M233	X	-2.607	-2.607	0 %100
198	M233	Z	4.516	4.516	0 %100
199	M234	X	-4.8	-4.8	0 %100
200	M234	Z	8.314	8.314	0 %100
201	M235	X	-4.8	-4.8	0 %100
202	M235	Z	8.314	8.314	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-6.701	-6.701	0	%100
2	M1	Z	3.869	3.869	0	%100
3	M4	X	-13.975	-13.975	0	%100
4	M4	Z	8.068	8.068	0	%100
5	M5	X	-13.975	-13.975	0	%100
6	M5	Z	8.068	8.068	0	%100
7	M18	X	-2.014	-2.014	0	%100
8	M18	Z	1.163	1.163	0	%100
9	M19	X	-2.176	-2.176	0	%100
10	M19	Z	1.256	1.256	0	%100
11	M20	X	-8.703	-8.703	0	%100
12	M20	Z	5.025	5.025	0	%100
13	M21	X	-2.432	-2.432	0	%100
14	M21	Z	1.404	1.404	0	%100
15	M22	X	-2.014	-2.014	0	%100
16	M22	Z	1.163	1.163	0	%100
17	M28	X	-4.966	-4.966	0	%100
18	M28	Z	2.867	2.867	0	%100
19	M29	X	-19.863	-19.863	0	%100
20	M29	Z	11.468	11.468	0	%100
21	M27A	X	-2.176	-2.176	0	%100
22	M27A	Z	1.256	1.256	0	%100
23	M28A	X	-8.703	-8.703	0	%100
24	M28A	Z	5.025	5.025	0	%100
25	M29A	X	-2.432	-2.432	0	%100
26	M29A	Z	1.404	1.404	0	%100
27	M44	X	-7.257	-7.257	0	%100
28	M44	Z	4.19	4.19	0	%100
29	M47	X	-27.99	-27.99	0	%100
30	M47	Z	16.16	16.16	0	%100
31	M48	X	-27.99	-27.99	0	%100
32	M48	Z	16.16	16.16	0	%100
33	M51	X	-2.715	-2.715	0	%100
34	M51	Z	1.568	1.568	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	0	0	0	%100
37	M55	X	0	0	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M69	X	-8.054	-8.054	0	%100
42	M69	Z	4.65	4.65	0	%100
43	M70	X	-2.176	-2.176	0	%100
44	M70	Z	1.256	1.256	0	%100
45	M71	X	-2.176	-2.176	0	%100
46	M71	Z	1.256	1.256	0	%100
47	M72	X	-9.727	-9.727	0	%100
48	M72	Z	5.616	5.616	0	%100
49	M73	X	-8.054	-8.054	0	%100
50	M73	Z	4.65	4.65	0	%100
51	M76	X	-4.966	-4.966	0	%100
52	M76	Z	2.867	2.867	0	%100
53	M77	X	-4.966	-4.966	0	%100
54	M77	Z	2.867	2.867	0	%100
55	M78	X	-2.176	-2.176	0	%100
56	M78	Z	1.256	1.256	0	%100
57	M79	X	-2.176	-2.176	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	M79	Z	1.256	1.256	0 %100
59	M80	X	-9.727	-9.727	0 %100
60	M80	Z	5.616	5.616	0 %100
61	M95	X	-2.304	-2.304	0 %100
62	M95	Z	1.33	1.33	0 %100
63	M98	X	-22.115	-22.115	0 %100
64	M98	Z	12.768	12.768	0 %100
65	M99	X	-22.115	-22.115	0 %100
66	M99	Z	12.768	12.768	0 %100
67	M102	X	-10.861	-10.861	0 %100
68	M102	Z	6.271	6.271	0 %100
69	M103	X	-6.701	-6.701	0 %100
70	M103	Z	3.869	3.869	0 %100
71	M106	X	-13.975	-13.975	0 %100
72	M106	Z	8.068	8.068	0 %100
73	M107	X	-13.975	-13.975	0 %100
74	M107	Z	8.068	8.068	0 %100
75	M120	X	-2.014	-2.014	0 %100
76	M120	Z	1.163	1.163	0 %100
77	M121	X	-8.703	-8.703	0 %100
78	M121	Z	5.025	5.025	0 %100
79	M122	X	-2.176	-2.176	0 %100
80	M122	Z	1.256	1.256	0 %100
81	M123	X	-2.432	-2.432	0 %100
82	M123	Z	1.404	1.404	0 %100
83	M124	X	-2.014	-2.014	0 %100
84	M124	Z	1.163	1.163	0 %100
85	M127	X	-19.863	-19.863	0 %100
86	M127	Z	11.468	11.468	0 %100
87	M128	X	-4.966	-4.966	0 %100
88	M128	Z	2.867	2.867	0 %100
89	M129	X	-8.703	-8.703	0 %100
90	M129	Z	5.025	5.025	0 %100
91	M130	X	-2.176	-2.176	0 %100
92	M130	Z	1.256	1.256	0 %100
93	M131	X	-2.432	-2.432	0 %100
94	M131	Z	1.404	1.404	0 %100
95	M146	X	-17.162	-17.162	0 %100
96	M146	Z	9.909	9.909	0 %100
97	M149	X	-7.257	-7.257	0 %100
98	M149	Z	4.19	4.19	0 %100
99	M150	X	-7.257	-7.257	0 %100
100	M150	Z	4.19	4.19	0 %100
101	M153	X	-2.715	-2.715	0 %100
102	M153	Z	1.568	1.568	0 %100
103	M148A	X	-5.663	-5.663	0 %100
104	M148A	Z	3.27	3.27	0 %100
105	M151A	X	-2.188	-2.188	0 %100
106	M151A	Z	1.264	1.264	0 %100
107	M152A	X	-17.969	-17.969	0 %100
108	M152A	Z	10.374	10.374	0 %100
109	M154	X	-8.754	-8.754	0 %100
110	M154	Z	5.054	5.054	0 %100
111	M157	X	-2.188	-2.188	0 %100
112	M157	Z	1.264	1.264	0 %100
113	M166	X	-5.99	-5.99	0 %100
114	M166	Z	3.458	3.458	0 %100





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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
115	M162A	X	-17.969	-17.969	0	%100
116	M162A	Z	10.374	10.374	0	%100
117	M163A	X	-5.99	-5.99	0	%100
118	M163A	Z	3.458	3.458	0	%100
119	M164A	X	0	0	0	%100
120	M164A	Z	0	0	0	%100
121	M165A	X	-23.958	-23.958	0	%100
122	M165A	Z	13.832	13.832	0	%100
123	M166A	X	0	0	0	%100
124	M166A	Z	0	0	0	%100
125	M167	X	-23.958	-23.958	0	%100
126	M167	Z	13.832	13.832	0	%100
127	M168	X	-17.969	-17.969	0	%100
128	M168	Z	10.374	10.374	0	%100
129	M169	X	-5.99	-5.99	0	%100
130	M169	Z	3.458	3.458	0	%100
131	M170	X	-17.969	-17.969	0	%100
132	M170	Z	10.374	10.374	0	%100
133	M171	X	-5.99	-5.99	0	%100
134	M171	Z	3.458	3.458	0	%100
135	M172	X	-2.029	-2.029	0	%100
136	M172	Z	1.171	1.171	0	%100
137	M173	X	-8.114	-8.114	0	%100
138	M173	Z	4.685	4.685	0	%100
139	M174	X	-2.029	-2.029	0	%100
140	M174	Z	1.171	1.171	0	%100
141	M175	X	-2.188	-2.188	0	%100
142	M175	Z	1.264	1.264	0	%100
143	M176	X	-8.754	-8.754	0	%100
144	M176	Z	5.054	5.054	0	%100
145	M177	X	-2.188	-2.188	0	%100
146	M177	Z	1.264	1.264	0	%100
147	M203	X	-7.158	-7.158	0	%100
148	M203	Z	4.133	4.133	0	%100
149	OVP	X	-8.754	-8.754	0	%100
150	OVP	Z	5.054	5.054	0	%100
151	MP3A	X	-8.754	-8.754	0	%100
152	MP3A	Z	5.054	5.054	0	%100
153	MP2A	X	-8.754	-8.754	0	%100
154	MP2A	Z	5.054	5.054	0	%100
155	MP3C	X	-8.754	-8.754	0	%100
156	MP3C	Z	5.054	5.054	0	%100
157	MP2C	X	-8.754	-8.754	0	%100
158	MP2C	Z	5.054	5.054	0	%100
159	MP3B	X	-8.754	-8.754	0	%100
160	MP3B	Z	5.054	5.054	0	%100
161	MP2B	X	-8.754	-8.754	0	%100
162	MP2B	Z	5.054	5.054	0	%100
163	MP1A	X	-8.754	-8.754	0	%100
164	MP1A	Z	5.054	5.054	0	%100
165	MP4A	X	-8.754	-8.754	0	%100
166	MP4A	Z	5.054	5.054	0	%100
167	MP1C	X	-8.754	-8.754	0	%100
168	MP1C	Z	5.054	5.054	0	%100
169	MP4C	X	-8.754	-8.754	0	%100
170	MP4C	Z	5.054	5.054	0	%100
171	MP1B	X	-8.754	-8.754	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft, F...	Start Location[ft, %]	End Location[ft, %]
172	MP1B	Z	5.054	5.054	0	%100
173	MP4B	X	-8.754	-8.754	0	%100
174	MP4B	Z	5.054	5.054	0	%100
175	M204A	X	-22.652	-22.652	0	%100
176	M204A	Z	13.078	13.078	0	%100
177	M205B	X	-5.663	-5.663	0	%100
178	M205B	Z	3.27	3.27	0	%100
179	M206	X	-2.649	-2.649	0	%100
180	M206	Z	1.53	1.53	0	%100
181	M207	X	-10.597	-10.597	0	%100
182	M207	Z	6.118	6.118	0	%100
183	M208	X	-2.649	-2.649	0	%100
184	M208	Z	1.53	1.53	0	%100
185	M227	X	-13.105	-13.105	0	%100
186	M227	Z	7.566	7.566	0	%100
187	M228	X	-3.276	-3.276	0	%100
188	M228	Z	1.892	1.892	0	%100
189	M229	X	-3.276	-3.276	0	%100
190	M229	Z	1.892	1.892	0	%100
191	M231	X	-3.57	-3.57	0	%100
192	M231	Z	2.061	2.061	0	%100
193	M231A	X	-14.004	-14.004	0	%100
194	M231A	Z	8.085	8.085	0	%100
195	M232	X	-10.206	-10.206	0	%100
196	M232	Z	5.892	5.892	0	%100
197	M233	X	-10.206	-10.206	0	%100
198	M233	Z	5.892	5.892	0	%100
199	M234	X	-14.004	-14.004	0	%100
200	M234	Z	8.085	8.085	0	%100
201	M235	X	-3.57	-3.57	0	%100
202	M235	Z	2.061	2.061	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	-10.317	-10.317	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-21.516	-21.516	0	%100
4	M4	Z	0	0	0	%100
5	M5	X	-21.516	-21.516	0	%100
6	M5	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	-7.537	-7.537	0	%100
10	M19	Z	0	0	0	%100
11	M20	X	-7.537	-7.537	0	%100
12	M20	Z	0	0	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	0	0	0	%100
17	M28	X	-17.202	-17.202	0	%100
18	M28	Z	0	0	0	%100
19	M29	X	-17.202	-17.202	0	%100
20	M29	Z	0	0	0	%100
21	M27A	X	-7.537	-7.537	0	%100
22	M27A	Z	0	0	0	%100



Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

July 5, 2023  
 11:40 AM  
 Checked By: DX

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
23	M28A	X	-7.537	-7.537	0	%100
24	M28A	Z	0	0	0	%100
25	M29A	X	0	0	0	%100
26	M29A	Z	0	0	0	%100
27	M44	X	-2.66	-2.66	0	%100
28	M44	Z	0	0	0	%100
29	M47	X	-42.561	-42.561	0	%100
30	M47	Z	0	0	0	%100
31	M48	X	-42.561	-42.561	0	%100
32	M48	Z	0	0	0	%100
33	M51	X	0	0	0	%100
34	M51	Z	0	0	0	%100
35	M52	X	-2.579	-2.579	0	%100
36	M52	Z	0	0	0	%100
37	M55	X	-5.379	-5.379	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	-5.379	-5.379	0	%100
40	M56	Z	0	0	0	%100
41	M69	X	-6.975	-6.975	0	%100
42	M69	Z	0	0	0	%100
43	M70	X	0	0	0	%100
44	M70	Z	0	0	0	%100
45	M71	X	-7.537	-7.537	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	-8.423	-8.423	0	%100
48	M72	Z	0	0	0	%100
49	M73	X	-6.975	-6.975	0	%100
50	M73	Z	0	0	0	%100
51	M76	X	0	0	0	%100
52	M76	Z	0	0	0	%100
53	M77	X	-17.202	-17.202	0	%100
54	M77	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79	X	-7.537	-7.537	0	%100
58	M79	Z	0	0	0	%100
59	M80	X	-8.423	-8.423	0	%100
60	M80	Z	0	0	0	%100
61	M95	X	-8.379	-8.379	0	%100
62	M95	Z	0	0	0	%100
63	M98	X	-19.817	-19.817	0	%100
64	M98	Z	0	0	0	%100
65	M99	X	-19.817	-19.817	0	%100
66	M99	Z	0	0	0	%100
67	M102	X	-9.406	-9.406	0	%100
68	M102	Z	0	0	0	%100
69	M103	X	-2.579	-2.579	0	%100
70	M103	Z	0	0	0	%100
71	M106	X	-5.379	-5.379	0	%100
72	M106	Z	0	0	0	%100
73	M107	X	-5.379	-5.379	0	%100
74	M107	Z	0	0	0	%100
75	M120	X	-6.975	-6.975	0	%100
76	M120	Z	0	0	0	%100
77	M121	X	-7.537	-7.537	0	%100
78	M121	Z	0	0	0	%100
79	M122	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
80	M122	Z	0	0	0	%100
81	M123	X	-8.423	-8.423	0	%100
82	M123	Z	0	0	0	%100
83	M124	X	-6.975	-6.975	0	%100
84	M124	Z	0	0	0	%100
85	M127	X	-17.202	-17.202	0	%100
86	M127	Z	0	0	0	%100
87	M128	X	0	0	0	%100
88	M128	Z	0	0	0	%100
89	M129	X	-7.537	-7.537	0	%100
90	M129	Z	0	0	0	%100
91	M130	X	0	0	0	%100
92	M130	Z	0	0	0	%100
93	M131	X	-8.423	-8.423	0	%100
94	M131	Z	0	0	0	%100
95	M146	X	-8.379	-8.379	0	%100
96	M146	Z	0	0	0	%100
97	M149	X	-19.817	-19.817	0	%100
98	M149	Z	0	0	0	%100
99	M150	X	-19.817	-19.817	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	-9.406	-9.406	0	%100
102	M153	Z	0	0	0	%100
103	M148A	X	0	0	0	%100
104	M148A	Z	0	0	0	%100
105	M151A	X	0	0	0	%100
106	M151A	Z	0	0	0	%100
107	M152A	X	-27.665	-27.665	0	%100
108	M152A	Z	0	0	0	%100
109	M154	X	-7.581	-7.581	0	%100
110	M154	Z	0	0	0	%100
111	M157	X	-7.581	-7.581	0	%100
112	M157	Z	0	0	0	%100
113	M166	X	0	0	0	%100
114	M166	Z	0	0	0	%100
115	M162A	X	-27.665	-27.665	0	%100
116	M162A	Z	0	0	0	%100
117	M163A	X	0	0	0	%100
118	M163A	Z	0	0	0	%100
119	M164A	X	-6.916	-6.916	0	%100
120	M164A	Z	0	0	0	%100
121	M165A	X	-20.748	-20.748	0	%100
122	M165A	Z	0	0	0	%100
123	M166A	X	-6.916	-6.916	0	%100
124	M166A	Z	0	0	0	%100
125	M167	X	-20.748	-20.748	0	%100
126	M167	Z	0	0	0	%100
127	M168	X	-6.916	-6.916	0	%100
128	M168	Z	0	0	0	%100
129	M169	X	-20.748	-20.748	0	%100
130	M169	Z	0	0	0	%100
131	M170	X	-6.916	-6.916	0	%100
132	M170	Z	0	0	0	%100
133	M171	X	-20.748	-20.748	0	%100
134	M171	Z	0	0	0	%100
135	M172	X	0	0	0	%100
136	M172	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
137	M173	X	-7.027	-7.027	0 %100
138	M173	Z	0	0	0 %100
139	M174	X	-7.027	-7.027	0 %100
140	M174	Z	0	0	0 %100
141	M175	X	0	0	0 %100
142	M175	Z	0	0	0 %100
143	M176	X	-7.581	-7.581	0 %100
144	M176	Z	0	0	0 %100
145	M177	X	-7.581	-7.581	0 %100
146	M177	Z	0	0	0 %100
147	M203	X	-8.266	-8.266	0 %100
148	M203	Z	0	0	0 %100
149	OVP	X	-10.108	-10.108	0 %100
150	OVP	Z	0	0	0 %100
151	MP3A	X	-10.108	-10.108	0 %100
152	MP3A	Z	0	0	0 %100
153	MP2A	X	-10.108	-10.108	0 %100
154	MP2A	Z	0	0	0 %100
155	MP3C	X	-10.108	-10.108	0 %100
156	MP3C	Z	0	0	0 %100
157	MP2C	X	-10.108	-10.108	0 %100
158	MP2C	Z	0	0	0 %100
159	MP3B	X	-10.108	-10.108	0 %100
160	MP3B	Z	0	0	0 %100
161	MP2B	X	-10.108	-10.108	0 %100
162	MP2B	Z	0	0	0 %100
163	MP1A	X	-10.108	-10.108	0 %100
164	MP1A	Z	0	0	0 %100
165	MP4A	X	-10.108	-10.108	0 %100
166	MP4A	Z	0	0	0 %100
167	MP1C	X	-10.108	-10.108	0 %100
168	MP1C	Z	0	0	0 %100
169	MP4C	X	-10.108	-10.108	0 %100
170	MP4C	Z	0	0	0 %100
171	MP1B	X	-10.108	-10.108	0 %100
172	MP1B	Z	0	0	0 %100
173	MP4B	X	-10.108	-10.108	0 %100
174	MP4B	Z	0	0	0 %100
175	M204A	X	-19.617	-19.617	0 %100
176	M204A	Z	0	0	0 %100
177	M205B	X	-19.617	-19.617	0 %100
178	M205B	Z	0	0	0 %100
179	M206	X	0	0	0 %100
180	M206	Z	0	0	0 %100
181	M207	X	-9.177	-9.177	0 %100
182	M207	Z	0	0	0 %100
183	M208	X	-9.177	-9.177	0 %100
184	M208	Z	0	0	0 %100
185	M227	X	-11.349	-11.349	0 %100
186	M227	Z	0	0	0 %100
187	M228	X	-11.349	-11.349	0 %100
188	M228	Z	0	0	0 %100
189	M229	X	0	0	0 %100
190	M229	Z	0	0	0 %100
191	M231	X	-9.6	-9.6	0 %100
192	M231	Z	0	0	0 %100
193	M231A	X	-9.6	-9.6	0 %100



Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
194	M231A	Z	0	0	0	%100
195	M232	X	-5.214	-5.214	0	%100
196	M232	Z	0	0	0	%100
197	M233	X	-17.263	-17.263	0	%100
198	M233	Z	0	0	0	%100
199	M234	X	-17.263	-17.263	0	%100
200	M234	Z	0	0	0	%100
201	M235	X	-5.214	-5.214	0	%100
202	M235	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-6.701	-6.701	0	%100
2	M1	Z	-3.869	-3.869	0	%100
3	M4	X	-13.975	-13.975	0	%100
4	M4	Z	-8.068	-8.068	0	%100
5	M5	X	-13.975	-13.975	0	%100
6	M5	Z	-8.068	-8.068	0	%100
7	M18	X	-2.014	-2.014	0	%100
8	M18	Z	-1.163	-1.163	0	%100
9	M19	X	-8.703	-8.703	0	%100
10	M19	Z	-5.025	-5.025	0	%100
11	M20	X	-2.176	-2.176	0	%100
12	M20	Z	-1.256	-1.256	0	%100
13	M21	X	-2.432	-2.432	0	%100
14	M21	Z	-1.404	-1.404	0	%100
15	M22	X	-2.014	-2.014	0	%100
16	M22	Z	-1.163	-1.163	0	%100
17	M28	X	-19.863	-19.863	0	%100
18	M28	Z	-11.468	-11.468	0	%100
19	M29	X	-4.966	-4.966	0	%100
20	M29	Z	-2.867	-2.867	0	%100
21	M27A	X	-8.703	-8.703	0	%100
22	M27A	Z	-5.025	-5.025	0	%100
23	M28A	X	-2.176	-2.176	0	%100
24	M28A	Z	-1.256	-1.256	0	%100
25	M29A	X	-2.432	-2.432	0	%100
26	M29A	Z	-1.404	-1.404	0	%100
27	M44	X	-7.257	-7.257	0	%100
28	M44	Z	-4.19	-4.19	0	%100
29	M47	X	-27.99	-27.99	0	%100
30	M47	Z	-16.16	-16.16	0	%100
31	M48	X	-27.99	-27.99	0	%100
32	M48	Z	-16.16	-16.16	0	%100
33	M51	X	-2.715	-2.715	0	%100
34	M51	Z	-1.568	-1.568	0	%100
35	M52	X	-6.701	-6.701	0	%100
36	M52	Z	-3.869	-3.869	0	%100
37	M55	X	-13.975	-13.975	0	%100
38	M55	Z	-8.068	-8.068	0	%100
39	M56	X	-13.975	-13.975	0	%100
40	M56	Z	-8.068	-8.068	0	%100
41	M69	X	-2.014	-2.014	0	%100
42	M69	Z	-1.163	-1.163	0	%100
43	M70	X	-2.176	-2.176	0	%100
44	M70	Z	-1.256	-1.256	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
45	M71	X	-8.703	-8.703	0 %100
46	M71	Z	-5.025	-5.025	0 %100
47	M72	X	-2.432	-2.432	0 %100
48	M72	Z	-1.404	-1.404	0 %100
49	M73	X	-2.014	-2.014	0 %100
50	M73	Z	-1.163	-1.163	0 %100
51	M76	X	-4.966	-4.966	0 %100
52	M76	Z	-2.867	-2.867	0 %100
53	M77	X	-19.863	-19.863	0 %100
54	M77	Z	-11.468	-11.468	0 %100
55	M78	X	-2.176	-2.176	0 %100
56	M78	Z	-1.256	-1.256	0 %100
57	M79	X	-8.703	-8.703	0 %100
58	M79	Z	-5.025	-5.025	0 %100
59	M80	X	-2.432	-2.432	0 %100
60	M80	Z	-1.404	-1.404	0 %100
61	M95	X	-17.162	-17.162	0 %100
62	M95	Z	-9.909	-9.909	0 %100
63	M98	X	-7.257	-7.257	0 %100
64	M98	Z	-4.19	-4.19	0 %100
65	M99	X	-7.257	-7.257	0 %100
66	M99	Z	-4.19	-4.19	0 %100
67	M102	X	-2.715	-2.715	0 %100
68	M102	Z	-1.568	-1.568	0 %100
69	M103	X	0	0	0 %100
70	M103	Z	0	0	0 %100
71	M106	X	0	0	0 %100
72	M106	Z	0	0	0 %100
73	M107	X	0	0	0 %100
74	M107	Z	0	0	0 %100
75	M120	X	-8.054	-8.054	0 %100
76	M120	Z	-4.65	-4.65	0 %100
77	M121	X	-2.176	-2.176	0 %100
78	M121	Z	-1.256	-1.256	0 %100
79	M122	X	-2.176	-2.176	0 %100
80	M122	Z	-1.256	-1.256	0 %100
81	M123	X	-9.727	-9.727	0 %100
82	M123	Z	-5.616	-5.616	0 %100
83	M124	X	-8.054	-8.054	0 %100
84	M124	Z	-4.65	-4.65	0 %100
85	M127	X	-4.966	-4.966	0 %100
86	M127	Z	-2.867	-2.867	0 %100
87	M128	X	-4.966	-4.966	0 %100
88	M128	Z	-2.867	-2.867	0 %100
89	M129	X	-2.176	-2.176	0 %100
90	M129	Z	-1.256	-1.256	0 %100
91	M130	X	-2.176	-2.176	0 %100
92	M130	Z	-1.256	-1.256	0 %100
93	M131	X	-9.727	-9.727	0 %100
94	M131	Z	-5.616	-5.616	0 %100
95	M146	X	-2.304	-2.304	0 %100
96	M146	Z	-1.33	-1.33	0 %100
97	M149	X	-22.115	-22.115	0 %100
98	M149	Z	-12.768	-12.768	0 %100
99	M150	X	-22.115	-22.115	0 %100
100	M150	Z	-12.768	-12.768	0 %100
101	M153	X	-10.861	-10.861	0 %100





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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
102	M153	Z	-6.271	-6.271	0 %100
103	M148A	X	-5.663	-5.663	0 %100
104	M148A	Z	-3.27	-3.27	0 %100
105	M151A	X	-2.188	-2.188	0 %100
106	M151A	Z	-1.264	-1.264	0 %100
107	M152A	X	-17.969	-17.969	0 %100
108	M152A	Z	-10.374	-10.374	0 %100
109	M154	X	-2.188	-2.188	0 %100
110	M154	Z	-1.264	-1.264	0 %100
111	M157	X	-8.754	-8.754	0 %100
112	M157	Z	-5.054	-5.054	0 %100
113	M166	X	-5.99	-5.99	0 %100
114	M166	Z	-3.458	-3.458	0 %100
115	M162A	X	-17.969	-17.969	0 %100
116	M162A	Z	-10.374	-10.374	0 %100
117	M163A	X	-5.99	-5.99	0 %100
118	M163A	Z	-3.458	-3.458	0 %100
119	M164A	X	-17.969	-17.969	0 %100
120	M164A	Z	-10.374	-10.374	0 %100
121	M165A	X	-5.99	-5.99	0 %100
122	M165A	Z	-3.458	-3.458	0 %100
123	M166A	X	-17.968	-17.968	0 %100
124	M166A	Z	-10.374	-10.374	0 %100
125	M167	X	-5.99	-5.99	0 %100
126	M167	Z	-3.458	-3.458	0 %100
127	M168	X	0	0	0 %100
128	M168	Z	0	0	0 %100
129	M169	X	-23.958	-23.958	0 %100
130	M169	Z	-13.832	-13.832	0 %100
131	M170	X	0	0	0 %100
132	M170	Z	0	0	0 %100
133	M171	X	-23.958	-23.958	0 %100
134	M171	Z	-13.832	-13.832	0 %100
135	M172	X	-2.029	-2.029	0 %100
136	M172	Z	-1.171	-1.171	0 %100
137	M173	X	-2.029	-2.029	0 %100
138	M173	Z	-1.171	-1.171	0 %100
139	M174	X	-8.114	-8.114	0 %100
140	M174	Z	-4.685	-4.685	0 %100
141	M175	X	-2.188	-2.188	0 %100
142	M175	Z	-1.264	-1.264	0 %100
143	M176	X	-2.188	-2.188	0 %100
144	M176	Z	-1.264	-1.264	0 %100
145	M177	X	-8.754	-8.754	0 %100
146	M177	Z	-5.054	-5.054	0 %100
147	M203	X	-7.158	-7.158	0 %100
148	M203	Z	-4.133	-4.133	0 %100
149	OVP	X	-8.754	-8.754	0 %100
150	OVP	Z	-5.054	-5.054	0 %100
151	MP3A	X	-8.754	-8.754	0 %100
152	MP3A	Z	-5.054	-5.054	0 %100
153	MP2A	X	-8.754	-8.754	0 %100
154	MP2A	Z	-5.054	-5.054	0 %100
155	MP3C	X	-8.754	-8.754	0 %100
156	MP3C	Z	-5.054	-5.054	0 %100
157	MP2C	X	-8.754	-8.754	0 %100
158	MP2C	Z	-5.054	-5.054	0 %100



Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
159	MP3B	X	-8.754	-8.754	0	%100
160	MP3B	Z	-5.054	-5.054	0	%100
161	MP2B	X	-8.754	-8.754	0	%100
162	MP2B	Z	-5.054	-5.054	0	%100
163	MP1A	X	-8.754	-8.754	0	%100
164	MP1A	Z	-5.054	-5.054	0	%100
165	MP4A	X	-8.754	-8.754	0	%100
166	MP4A	Z	-5.054	-5.054	0	%100
167	MP1C	X	-8.754	-8.754	0	%100
168	MP1C	Z	-5.054	-5.054	0	%100
169	MP4C	X	-8.754	-8.754	0	%100
170	MP4C	Z	-5.054	-5.054	0	%100
171	MP1B	X	-8.754	-8.754	0	%100
172	MP1B	Z	-5.054	-5.054	0	%100
173	MP4B	X	-8.754	-8.754	0	%100
174	MP4B	Z	-5.054	-5.054	0	%100
175	M204A	X	-5.663	-5.663	0	%100
176	M204A	Z	-3.27	-3.27	0	%100
177	M205B	X	-22.652	-22.652	0	%100
178	M205B	Z	-13.078	-13.078	0	%100
179	M206	X	-2.649	-2.649	0	%100
180	M206	Z	-1.53	-1.53	0	%100
181	M207	X	-2.649	-2.649	0	%100
182	M207	Z	-1.53	-1.53	0	%100
183	M208	X	-10.597	-10.597	0	%100
184	M208	Z	-6.118	-6.118	0	%100
185	M227	X	-3.276	-3.276	0	%100
186	M227	Z	-1.892	-1.892	0	%100
187	M228	X	-13.105	-13.105	0	%100
188	M228	Z	-7.566	-7.566	0	%100
189	M229	X	-3.276	-3.276	0	%100
190	M229	Z	-1.892	-1.892	0	%100
191	M231	X	-14.004	-14.004	0	%100
192	M231	Z	-8.085	-8.085	0	%100
193	M231A	X	-3.57	-3.57	0	%100
194	M231A	Z	-2.061	-2.061	0	%100
195	M232	X	-3.57	-3.57	0	%100
196	M232	Z	-2.061	-2.061	0	%100
197	M233	X	-14.004	-14.004	0	%100
198	M233	Z	-8.085	-8.085	0	%100
199	M234	X	-10.206	-10.206	0	%100
200	M234	Z	-5.892	-5.892	0	%100
201	M235	X	-10.206	-10.206	0	%100
202	M235	Z	-5.892	-5.892	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	-1.29	-1.29	0	%100
2	M1	Z	-2.234	-2.234	0	%100
3	M4	X	-2.689	-2.689	0	%100
4	M4	Z	-4.658	-4.658	0	%100
5	M5	X	-2.689	-2.689	0	%100
6	M5	Z	-4.658	-4.658	0	%100
7	M18	X	-3.488	-3.488	0	%100
8	M18	Z	-6.041	-6.041	0	%100
9	M19	X	-3.768	-3.768	0	%100



Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
10	M19	Z	-6.527	-6.527	0 %100
11	M20	X	0	0	0 %100
12	M20	Z	0	0	0 %100
13	M21	X	-4.212	-4.212	0 %100
14	M21	Z	-7.295	-7.295	0 %100
15	M22	X	-3.488	-3.488	0 %100
16	M22	Z	-6.041	-6.041	0 %100
17	M28	X	-8.601	-8.601	0 %100
18	M28	Z	-14.897	-14.897	0 %100
19	M29	X	0	0	0 %100
20	M29	Z	0	0	0 %100
21	M27A	X	-3.768	-3.768	0 %100
22	M27A	Z	-6.527	-6.527	0 %100
23	M28A	X	0	0	0 %100
24	M28A	Z	0	0	0 %100
25	M29A	X	-4.212	-4.212	0 %100
26	M29A	Z	-7.295	-7.295	0 %100
27	M44	X	-9.909	-9.909	0 %100
28	M44	Z	-17.162	-17.162	0 %100
29	M47	X	-5.919	-5.919	0 %100
30	M47	Z	-10.251	-10.251	0 %100
31	M48	X	-5.919	-5.919	0 %100
32	M48	Z	-10.251	-10.251	0 %100
33	M51	X	-4.703	-4.703	0 %100
34	M51	Z	-8.146	-8.146	0 %100
35	M52	X	-5.158	-5.158	0 %100
36	M52	Z	-8.934	-8.934	0 %100
37	M55	X	-10.758	-10.758	0 %100
38	M55	Z	-18.633	-18.633	0 %100
39	M56	X	-10.758	-10.758	0 %100
40	M56	Z	-18.633	-18.633	0 %100
41	M69	X	0	0	0 %100
42	M69	Z	0	0	0 %100
43	M70	X	-3.768	-3.768	0 %100
44	M70	Z	-6.527	-6.527	0 %100
45	M71	X	-3.768	-3.768	0 %100
46	M71	Z	-6.527	-6.527	0 %100
47	M72	X	0	0	0 %100
48	M72	Z	0	0	0 %100
49	M73	X	0	0	0 %100
50	M73	Z	0	0	0 %100
51	M76	X	-8.601	-8.601	0 %100
52	M76	Z	-14.897	-14.897	0 %100
53	M77	X	-8.601	-8.601	0 %100
54	M77	Z	-14.897	-14.897	0 %100
55	M78	X	-3.768	-3.768	0 %100
56	M78	Z	-6.527	-6.527	0 %100
57	M79	X	-3.768	-3.768	0 %100
58	M79	Z	-6.527	-6.527	0 %100
59	M80	X	0	0	0 %100
60	M80	Z	0	0	0 %100
61	M95	X	-12.768	-12.768	0 %100
62	M95	Z	-22.115	-22.115	0 %100
63	M98	X	-1.33	-1.33	0 %100
64	M98	Z	-2.304	-2.304	0 %100
65	M99	X	-1.33	-1.33	0 %100
66	M99	Z	-2.304	-2.304	0 %100





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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
124	M166A	Z	-23.958	-23.958	0 %100
125	M167	X	0	0	0 %100
126	M167	Z	0	0	0 %100
127	M168	X	-3.458	-3.458	0 %100
128	M168	Z	-5.989	-5.989	0 %100
129	M169	X	-10.374	-10.374	0 %100
130	M169	Z	-17.969	-17.969	0 %100
131	M170	X	-3.458	-3.458	0 %100
132	M170	Z	-5.989	-5.989	0 %100
133	M171	X	-10.374	-10.374	0 %100
134	M171	Z	-17.969	-17.969	0 %100
135	M172	X	-3.513	-3.513	0 %100
136	M172	Z	-6.086	-6.086	0 %100
137	M173	X	0	0	0 %100
138	M173	Z	0	0	0 %100
139	M174	X	-3.513	-3.513	0 %100
140	M174	Z	-6.086	-6.086	0 %100
141	M175	X	-3.791	-3.791	0 %100
142	M175	Z	-6.565	-6.565	0 %100
143	M176	X	0	0	0 %100
144	M176	Z	0	0	0 %100
145	M177	X	-3.791	-3.791	0 %100
146	M177	Z	-6.565	-6.565	0 %100
147	M203	X	-4.133	-4.133	0 %100
148	M203	Z	-7.158	-7.158	0 %100
149	OVP	X	-5.054	-5.054	0 %100
150	OVP	Z	-8.754	-8.754	0 %100
151	MP3A	X	-5.054	-5.054	0 %100
152	MP3A	Z	-8.754	-8.754	0 %100
153	MP2A	X	-5.054	-5.054	0 %100
154	MP2A	Z	-8.754	-8.754	0 %100
155	MP3C	X	-5.054	-5.054	0 %100
156	MP3C	Z	-8.754	-8.754	0 %100
157	MP2C	X	-5.054	-5.054	0 %100
158	MP2C	Z	-8.754	-8.754	0 %100
159	MP3B	X	-5.054	-5.054	0 %100
160	MP3B	Z	-8.754	-8.754	0 %100
161	MP2B	X	-5.054	-5.054	0 %100
162	MP2B	Z	-8.754	-8.754	0 %100
163	MP1A	X	-5.054	-5.054	0 %100
164	MP1A	Z	-8.754	-8.754	0 %100
165	MP4A	X	-5.054	-5.054	0 %100
166	MP4A	Z	-8.754	-8.754	0 %100
167	MP1C	X	-5.054	-5.054	0 %100
168	MP1C	Z	-8.754	-8.754	0 %100
169	MP4C	X	-5.054	-5.054	0 %100
170	MP4C	Z	-8.754	-8.754	0 %100
171	MP1B	X	-5.054	-5.054	0 %100
172	MP1B	Z	-8.754	-8.754	0 %100
173	MP4B	X	-5.054	-5.054	0 %100
174	MP4B	Z	-8.754	-8.754	0 %100
175	M204A	X	0	0	0 %100
176	M204A	Z	0	0	0 %100
177	M205B	X	-9.809	-9.809	0 %100
178	M205B	Z	-16.989	-16.989	0 %100
179	M206	X	-4.589	-4.589	0 %100
180	M206	Z	-7.948	-7.948	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
181	M207	X	0	0	0	%100
182	M207	Z	0	0	0	%100
183	M208	X	-4.589	-4.589	0	%100
184	M208	Z	-7.948	-7.948	0	%100
185	M227	X	0	0	0	%100
186	M227	Z	0	0	0	%100
187	M228	X	-5.675	-5.675	0	%100
188	M228	Z	-9.829	-9.829	0	%100
189	M229	X	-5.675	-5.675	0	%100
190	M229	Z	-9.829	-9.829	0	%100
191	M231	X	-8.631	-8.631	0	%100
192	M231	Z	-14.95	-14.95	0	%100
193	M231A	X	-2.607	-2.607	0	%100
194	M231A	Z	-4.516	-4.516	0	%100
195	M232	X	-4.8	-4.8	0	%100
196	M232	Z	-8.314	-8.314	0	%100
197	M233	X	-4.8	-4.8	0	%100
198	M233	Z	-8.314	-8.314	0	%100
199	M234	X	-2.607	-2.607	0	%100
200	M234	Z	-4.516	-4.516	0	%100
201	M235	X	-8.631	-8.631	0	%100
202	M235	Z	-14.95	-14.95	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	-2.674	-2.674	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	-7.718	-7.718	0	%100
11	M20	X	0	0	0	%100
12	M20	Z	-7.718	-7.718	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	-3.214	-3.214	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	-2.674	-2.674	0	%100
17	M28	X	0	0	0	%100
18	M28	Z	-1.305	-1.305	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	-1.305	-1.305	0	%100
21	M27A	X	0	0	0	%100
22	M27A	Z	-7.718	-7.718	0	%100
23	M28A	X	0	0	0	%100
24	M28A	Z	-7.718	-7.718	0	%100
25	M29A	X	0	0	0	%100
26	M29A	Z	-3.214	-3.214	0	%100
27	M44	X	0	0	0	%100
28	M44	Z	-5.52	-5.52	0	%100
29	M47	X	0	0	0	%100
30	M47	Z	-1.363	-1.363	0	%100
31	M48	X	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
32	M48	Z	-1.363	-1.363	0 %100
33	M51	X	0	0	0 %100
34	M51	Z	-3.894	-3.894	0 %100
35	M52	X	0	0	0 %100
36	M52	Z	-2.395	-2.395	0 %100
37	M55	X	0	0	0 %100
38	M55	Z	-3.924	-3.924	0 %100
39	M56	X	0	0	0 %100
40	M56	Z	-3.924	-3.924	0 %100
41	M69	X	0	0	0 %100
42	M69	Z	-.668	-.668	0 %100
43	M70	X	0	0	0 %100
44	M70	Z	-2.872	-2.872	0 %100
45	M71	X	0	0	0 %100
46	M71	Z	-.718	-.718	0 %100
47	M72	X	0	0	0 %100
48	M72	Z	-.804	-.804	0 %100
49	M73	X	0	0	0 %100
50	M73	Z	-.668	-.668	0 %100
51	M76	X	0	0	0 %100
52	M76	Z	-5.219	-5.219	0 %100
53	M77	X	0	0	0 %100
54	M77	Z	-1.305	-1.305	0 %100
55	M78	X	0	0	0 %100
56	M78	Z	-2.872	-2.872	0 %100
57	M79	X	0	0	0 %100
58	M79	Z	-.718	-.718	0 %100
59	M80	X	0	0	0 %100
60	M80	Z	-.804	-.804	0 %100
61	M95	X	0	0	0 %100
62	M95	Z	-4.527	-4.527	0 %100
63	M98	X	0	0	0 %100
64	M98	Z	-2.541	-2.541	0 %100
65	M99	X	0	0	0 %100
66	M99	Z	-2.541	-2.541	0 %100
67	M102	X	0	0	0 %100
68	M102	Z	-.974	-.974	0 %100
69	M103	X	0	0	0 %100
70	M103	Z	-2.395	-2.395	0 %100
71	M106	X	0	0	0 %100
72	M106	Z	-3.924	-3.924	0 %100
73	M107	X	0	0	0 %100
74	M107	Z	-3.924	-3.924	0 %100
75	M120	X	0	0	0 %100
76	M120	Z	-.668	-.668	0 %100
77	M121	X	0	0	0 %100
78	M121	Z	-.718	-.718	0 %100
79	M122	X	0	0	0 %100
80	M122	Z	-2.872	-2.872	0 %100
81	M123	X	0	0	0 %100
82	M123	Z	-.804	-.804	0 %100
83	M124	X	0	0	0 %100
84	M124	Z	-.668	-.668	0 %100
85	M127	X	0	0	0 %100
86	M127	Z	-1.305	-1.305	0 %100
87	M128	X	0	0	0 %100
88	M128	Z	-5.219	-5.219	0 %100





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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
89	M129	X	0	0	0	%100
90	M129	Z	-7.718	-7.718	0	%100
91	M130	X	0	0	0	%100
92	M130	Z	-2.872	-2.872	0	%100
93	M131	X	0	0	0	%100
94	M131	Z	-.804	-.804	0	%100
95	M146	X	0	0	0	%100
96	M146	Z	-4.527	-4.527	0	%100
97	M149	X	0	0	0	%100
98	M149	Z	-2.541	-2.541	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	-2.541	-2.541	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	-.974	-.974	0	%100
103	M148A	X	0	0	0	%100
104	M148A	Z	-6.096	-6.096	0	%100
105	M151A	X	0	0	0	%100
106	M151A	Z	-3.472	-3.472	0	%100
107	M152A	X	0	0	0	%100
108	M152A	Z	0	0	0	%100
109	M154	X	0	0	0	%100
110	M154	Z	-.868	-.868	0	%100
111	M157	X	0	0	0	%100
112	M157	Z	-.868	-.868	0	%100
113	M166	X	0	0	0	%100
114	M166	Z	-5.804	-5.804	0	%100
115	M162A	X	0	0	0	%100
116	M162A	Z	0	0	0	%100
117	M163A	X	0	0	0	%100
118	M163A	Z	-5.804	-5.804	0	%100
119	M164A	X	0	0	0	%100
120	M164A	Z	-4.353	-4.353	0	%100
121	M165A	X	0	0	0	%100
122	M165A	Z	-1.451	-1.451	0	%100
123	M166A	X	0	0	0	%100
124	M166A	Z	-4.353	-4.353	0	%100
125	M167	X	0	0	0	%100
126	M167	Z	-1.451	-1.451	0	%100
127	M168	X	0	0	0	%100
128	M168	Z	-4.353	-4.353	0	%100
129	M169	X	0	0	0	%100
130	M169	Z	-1.451	-1.451	0	%100
131	M170	X	0	0	0	%100
132	M170	Z	-4.353	-4.353	0	%100
133	M171	X	0	0	0	%100
134	M171	Z	-1.451	-1.451	0	%100
135	M172	X	0	0	0	%100
136	M172	Z	-3.233	-3.233	0	%100
137	M173	X	0	0	0	%100
138	M173	Z	-.808	-.808	0	%100
139	M174	X	0	0	0	%100
140	M174	Z	-.808	-.808	0	%100
141	M175	X	0	0	0	%100
142	M175	Z	-3.472	-3.472	0	%100
143	M176	X	0	0	0	%100
144	M176	Z	-.868	-.868	0	%100
145	M177	X	0	0	0	%100







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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
58	M79	Z	0	0	0	%100
59	M80	X	1.205	1.205	0	%100
60	M80	Z	-2.088	-2.088	0	%100
61	M95	X	1.271	1.271	0	%100
62	M95	Z	-2.201	-2.201	0	%100
63	M98	X	2.263	2.263	0	%100
64	M98	Z	-3.92	-3.92	0	%100
65	M99	X	2.263	2.263	0	%100
66	M99	Z	-3.92	-3.92	0	%100
67	M102	X	1.46	1.46	0	%100
68	M102	Z	-2.53	-2.53	0	%100
69	M103	X	1.597	1.597	0	%100
70	M103	Z	-2.766	-2.766	0	%100
71	M106	X	2.616	2.616	0	%100
72	M106	Z	-4.531	-4.531	0	%100
73	M107	X	2.616	2.616	0	%100
74	M107	Z	-4.531	-4.531	0	%100
75	M120	X	0	0	0	%100
76	M120	Z	0	0	0	%100
77	M121	X	1.077	1.077	0	%100
78	M121	Z	-1.865	-1.865	0	%100
79	M122	X	1.077	1.077	0	%100
80	M122	Z	-1.865	-1.865	0	%100
81	M123	X	0	0	0	%100
82	M123	Z	0	0	0	%100
83	M124	X	0	0	0	%100
84	M124	Z	0	0	0	%100
85	M127	X	1.957	1.957	0	%100
86	M127	Z	-3.39	-3.39	0	%100
87	M128	X	1.957	1.957	0	%100
88	M128	Z	-3.39	-3.39	0	%100
89	M129	X	1.077	1.077	0	%100
90	M129	Z	-1.865	-1.865	0	%100
91	M130	X	1.077	1.077	0	%100
92	M130	Z	-1.865	-1.865	0	%100
93	M131	X	0	0	0	%100
94	M131	Z	0	0	0	%100
95	M146	X	2.76	2.76	0	%100
96	M146	Z	-4.78	-4.78	0	%100
97	M149	X	.774	.774	0	%100
98	M149	Z	-1.341	-1.341	0	%100
99	M150	X	.774	.774	0	%100
100	M150	Z	-1.341	-1.341	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	0	0	0	%100
103	M148A	X	2.286	2.286	0	%100
104	M148A	Z	-3.959	-3.959	0	%100
105	M151A	X	1.302	1.302	0	%100
106	M151A	Z	-2.255	-2.255	0	%100
107	M152A	X	.726	.726	0	%100
108	M152A	Z	-1.257	-1.257	0	%100
109	M154	X	1.302	1.302	0	%100
110	M154	Z	-2.255	-2.255	0	%100
111	M157	X	0	0	0	%100
112	M157	Z	0	0	0	%100
113	M166	X	2.177	2.177	0	%100
114	M166	Z	-3.77	-3.77	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
115	M162A	X	.726	.726	0 %100
116	M162A	Z	-1.257	-1.257	0 %100
117	M163A	X	2.177	2.177	0 %100
118	M163A	Z	-3.77	-3.77	0 %100
119	M164A	X	.726	.726	0 %100
120	M164A	Z	-1.257	-1.257	0 %100
121	M165A	X	2.177	2.177	0 %100
122	M165A	Z	-3.77	-3.77	0 %100
123	M166A	X	.726	.726	0 %100
124	M166A	Z	-1.257	-1.257	0 %100
125	M167	X	2.177	2.177	0 %100
126	M167	Z	-3.77	-3.77	0 %100
127	M168	X	2.902	2.902	0 %100
128	M168	Z	-5.027	-5.027	0 %100
129	M169	X	0	0	0 %100
130	M169	Z	0	0	0 %100
131	M170	X	2.902	2.902	0 %100
132	M170	Z	-5.027	-5.027	0 %100
133	M171	X	0	0	0 %100
134	M171	Z	0	0	0 %100
135	M172	X	1.212	1.212	0 %100
136	M172	Z	-2.1	-2.1	0 %100
137	M173	X	1.212	1.212	0 %100
138	M173	Z	-2.1	-2.1	0 %100
139	M174	X	0	0	0 %100
140	M174	Z	0	0	0 %100
141	M175	X	1.302	1.302	0 %100
142	M175	Z	-2.255	-2.255	0 %100
143	M176	X	1.302	1.302	0 %100
144	M176	Z	-2.255	-2.255	0 %100
145	M177	X	0	0	0 %100
146	M177	Z	0	0	0 %100
147	M203	X	1.425	1.425	0 %100
148	M203	Z	-2.468	-2.468	0 %100
149	OVP	X	1.736	1.736	0 %100
150	OVP	Z	-3.007	-3.007	0 %100
151	MP3A	X	1.736	1.736	0 %100
152	MP3A	Z	-3.007	-3.007	0 %100
153	MP2A	X	1.736	1.736	0 %100
154	MP2A	Z	-3.007	-3.007	0 %100
155	MP3C	X	1.736	1.736	0 %100
156	MP3C	Z	-3.007	-3.007	0 %100
157	MP2C	X	1.736	1.736	0 %100
158	MP2C	Z	-3.007	-3.007	0 %100
159	MP3B	X	1.736	1.736	0 %100
160	MP3B	Z	-3.007	-3.007	0 %100
161	MP2B	X	1.736	1.736	0 %100
162	MP2B	Z	-3.007	-3.007	0 %100
163	MP1A	X	1.736	1.736	0 %100
164	MP1A	Z	-3.007	-3.007	0 %100
165	MP4A	X	1.736	1.736	0 %100
166	MP4A	Z	-3.007	-3.007	0 %100
167	MP1C	X	1.736	1.736	0 %100
168	MP1C	Z	-3.007	-3.007	0 %100
169	MP4C	X	1.736	1.736	0 %100
170	MP4C	Z	-3.007	-3.007	0 %100
171	MP1B	X	1.736	1.736	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
172	MP1B	Z	-3.007	-3.007	0	%100
173	MP4B	X	1.736	1.736	0	%100
174	MP4B	Z	-3.007	-3.007	0	%100
175	M204A	X	2.286	2.286	0	%100
176	M204A	Z	-3.959	-3.959	0	%100
177	M205B	X	0	0	0	%100
178	M205B	Z	0	0	0	%100
179	M206	X	1.441	1.441	0	%100
180	M206	Z	-2.495	-2.495	0	%100
181	M207	X	1.441	1.441	0	%100
182	M207	Z	-2.495	-2.495	0	%100
183	M208	X	0	0	0	%100
184	M208	Z	0	0	0	%100
185	M227	X	1.449	1.449	0	%100
186	M227	Z	-2.51	-2.51	0	%100
187	M228	X	0	0	0	%100
188	M228	Z	0	0	0	%100
189	M229	X	1.449	1.449	0	%100
190	M229	Z	-2.51	-2.51	0	%100
191	M231	X	.705	.705	0	%100
192	M231	Z	-1.221	-1.221	0	%100
193	M231A	X	2.334	2.334	0	%100
194	M231A	Z	-4.043	-4.043	0	%100
195	M232	X	2.334	2.334	0	%100
196	M232	Z	-4.043	-4.043	0	%100
197	M233	X	.705	.705	0	%100
198	M233	Z	-1.221	-1.221	0	%100
199	M234	X	1.298	1.298	0	%100
200	M234	Z	-2.248	-2.248	0	%100
201	M235	X	1.298	1.298	0	%100
202	M235	Z	-2.248	-2.248	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.074	2.074	0	%100
2	M1	Z	-1.198	-1.198	0	%100
3	M4	X	3.398	3.398	0	%100
4	M4	Z	-1.962	-1.962	0	%100
5	M5	X	3.398	3.398	0	%100
6	M5	Z	-1.962	-1.962	0	%100
7	M18	X	.579	.579	0	%100
8	M18	Z	-.334	-.334	0	%100
9	M19	X	.622	.622	0	%100
10	M19	Z	-.359	-.359	0	%100
11	M20	X	2.487	2.487	0	%100
12	M20	Z	-1.436	-1.436	0	%100
13	M21	X	.696	.696	0	%100
14	M21	Z	-.402	-.402	0	%100
15	M22	X	.579	.579	0	%100
16	M22	Z	-.334	-.334	0	%100
17	M28	X	1.13	1.13	0	%100
18	M28	Z	-.652	-.652	0	%100
19	M29	X	4.52	4.52	0	%100
20	M29	Z	-2.609	-2.609	0	%100
21	M27A	X	.622	.622	0	%100
22	M27A	Z	-.359	-.359	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
23	M28A	X	2.487	2.487	0 %100
24	M28A	Z	-1.436	-1.436	0 %100
25	M29A	X	.696	.696	0 %100
26	M29A	Z	-.402	-.402	0 %100
27	M44	X	2.201	2.201	0 %100
28	M44	Z	-1.271	-1.271	0 %100
29	M47	X	5.8	5.8	0 %100
30	M47	Z	-3.349	-3.349	0 %100
31	M48	X	5.8	5.8	0 %100
32	M48	Z	-3.349	-3.349	0 %100
33	M51	X	.843	.843	0 %100
34	M51	Z	-.487	-.487	0 %100
35	M52	X	0	0	0 %100
36	M52	Z	0	0	0 %100
37	M55	X	0	0	0 %100
38	M55	Z	0	0	0 %100
39	M56	X	0	0	0 %100
40	M56	Z	0	0	0 %100
41	M69	X	2.315	2.315	0 %100
42	M69	Z	-1.337	-1.337	0 %100
43	M70	X	.622	.622	0 %100
44	M70	Z	-.359	-.359	0 %100
45	M71	X	.622	.622	0 %100
46	M71	Z	-.359	-.359	0 %100
47	M72	X	2.783	2.783	0 %100
48	M72	Z	-1.607	-1.607	0 %100
49	M73	X	2.315	2.315	0 %100
50	M73	Z	-1.337	-1.337	0 %100
51	M76	X	1.13	1.13	0 %100
52	M76	Z	-.652	-.652	0 %100
53	M77	X	1.13	1.13	0 %100
54	M77	Z	-.652	-.652	0 %100
55	M78	X	.622	.622	0 %100
56	M78	Z	-.359	-.359	0 %100
57	M79	X	.622	.622	0 %100
58	M79	Z	-.359	-.359	0 %100
59	M80	X	2.783	2.783	0 %100
60	M80	Z	-1.607	-1.607	0 %100
61	M95	X	1.341	1.341	0 %100
62	M95	Z	-.774	-.774	0 %100
63	M98	X	4.78	4.78	0 %100
64	M98	Z	-2.76	-2.76	0 %100
65	M99	X	4.78	4.78	0 %100
66	M99	Z	-2.76	-2.76	0 %100
67	M102	X	3.373	3.373	0 %100
68	M102	Z	-1.947	-1.947	0 %100
69	M103	X	2.074	2.074	0 %100
70	M103	Z	-1.198	-1.198	0 %100
71	M106	X	3.398	3.398	0 %100
72	M106	Z	-1.962	-1.962	0 %100
73	M107	X	3.398	3.398	0 %100
74	M107	Z	-1.962	-1.962	0 %100
75	M120	X	.579	.579	0 %100
76	M120	Z	-.334	-.334	0 %100
77	M121	X	2.487	2.487	0 %100
78	M121	Z	-1.436	-1.436	0 %100
79	M122	X	.622	.622	0 %100





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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
80	M122	Z	-.359	-.359	0 %100
81	M123	X	.696	.696	0 %100
82	M123	Z	-.402	-.402	0 %100
83	M124	X	.579	.579	0 %100
84	M124	Z	-.334	-.334	0 %100
85	M127	X	4.52	4.52	0 %100
86	M127	Z	-2.609	-2.609	0 %100
87	M128	X	1.13	1.13	0 %100
88	M128	Z	-.652	-.652	0 %100
89	M129	X	2.487	2.487	0 %100
90	M129	Z	-1.436	-1.436	0 %100
91	M130	X	.622	.622	0 %100
92	M130	Z	-.359	-.359	0 %100
93	M131	X	.696	.696	0 %100
94	M131	Z	-.402	-.402	0 %100
95	M146	X	3.92	3.92	0 %100
96	M146	Z	-2.263	-2.263	0 %100
97	M149	X	2.201	2.201	0 %100
98	M149	Z	-1.271	-1.271	0 %100
99	M150	X	2.201	2.201	0 %100
100	M150	Z	-1.271	-1.271	0 %100
101	M153	X	.843	.843	0 %100
102	M153	Z	-.487	-.487	0 %100
103	M148A	X	1.32	1.32	0 %100
104	M148A	Z	-.762	-.762	0 %100
105	M151A	X	.752	.752	0 %100
106	M151A	Z	-.434	-.434	0 %100
107	M152A	X	3.77	3.77	0 %100
108	M152A	Z	-2.177	-2.177	0 %100
109	M154	X	3.007	3.007	0 %100
110	M154	Z	-1.736	-1.736	0 %100
111	M157	X	.752	.752	0 %100
112	M157	Z	-.434	-.434	0 %100
113	M166	X	1.257	1.257	0 %100
114	M166	Z	-.726	-.726	0 %100
115	M162A	X	3.77	3.77	0 %100
116	M162A	Z	-2.177	-2.177	0 %100
117	M163A	X	1.257	1.257	0 %100
118	M163A	Z	-.726	-.726	0 %100
119	M164A	X	0	0	0 %100
120	M164A	Z	0	0	0 %100
121	M165A	X	5.027	5.027	0 %100
122	M165A	Z	-2.902	-2.902	0 %100
123	M166A	X	0	0	0 %100
124	M166A	Z	0	0	0 %100
125	M167	X	5.027	5.027	0 %100
126	M167	Z	-2.902	-2.902	0 %100
127	M168	X	3.77	3.77	0 %100
128	M168	Z	-2.177	-2.177	0 %100
129	M169	X	1.257	1.257	0 %100
130	M169	Z	-.726	-.726	0 %100
131	M170	X	3.77	3.77	0 %100
132	M170	Z	-2.177	-2.177	0 %100
133	M171	X	1.257	1.257	0 %100
134	M171	Z	-.726	-.726	0 %100
135	M172	X	.7	.7	0 %100
136	M172	Z	-.404	-.404	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
137	M173	X	2.8	2.8	0 %100
138	M173	Z	-1.616	-1.616	0 %100
139	M174	X	.7	.7	0 %100
140	M174	Z	-.404	-.404	0 %100
141	M175	X	.752	.752	0 %100
142	M175	Z	-.434	-.434	0 %100
143	M176	X	3.007	3.007	0 %100
144	M176	Z	-1.736	-1.736	0 %100
145	M177	X	.752	.752	0 %100
146	M177	Z	-.434	-.434	0 %100
147	M203	X	2.468	2.468	0 %100
148	M203	Z	-1.425	-1.425	0 %100
149	OVP	X	3.007	3.007	0 %100
150	OVP	Z	-1.736	-1.736	0 %100
151	MP3A	X	3.007	3.007	0 %100
152	MP3A	Z	-1.736	-1.736	0 %100
153	MP2A	X	3.007	3.007	0 %100
154	MP2A	Z	-1.736	-1.736	0 %100
155	MP3C	X	3.007	3.007	0 %100
156	MP3C	Z	-1.736	-1.736	0 %100
157	MP2C	X	3.007	3.007	0 %100
158	MP2C	Z	-1.736	-1.736	0 %100
159	MP3B	X	3.007	3.007	0 %100
160	MP3B	Z	-1.736	-1.736	0 %100
161	MP2B	X	3.007	3.007	0 %100
162	MP2B	Z	-1.736	-1.736	0 %100
163	MP1A	X	3.007	3.007	0 %100
164	MP1A	Z	-1.736	-1.736	0 %100
165	MP4A	X	3.007	3.007	0 %100
166	MP4A	Z	-1.736	-1.736	0 %100
167	MP1C	X	3.007	3.007	0 %100
168	MP1C	Z	-1.736	-1.736	0 %100
169	MP4C	X	3.007	3.007	0 %100
170	MP4C	Z	-1.736	-1.736	0 %100
171	MP1B	X	3.007	3.007	0 %100
172	MP1B	Z	-1.736	-1.736	0 %100
173	MP4B	X	3.007	3.007	0 %100
174	MP4B	Z	-1.736	-1.736	0 %100
175	M204A	X	5.279	5.279	0 %100
176	M204A	Z	-3.048	-3.048	0 %100
177	M205B	X	1.32	1.32	0 %100
178	M205B	Z	-.762	-.762	0 %100
179	M206	X	.832	.832	0 %100
180	M206	Z	-.48	-.48	0 %100
181	M207	X	3.327	3.327	0 %100
182	M207	Z	-1.921	-1.921	0 %100
183	M208	X	.832	.832	0 %100
184	M208	Z	-.48	-.48	0 %100
185	M227	X	3.346	3.346	0 %100
186	M227	Z	-1.932	-1.932	0 %100
187	M228	X	.837	.837	0 %100
188	M228	Z	-.483	-.483	0 %100
189	M229	X	.837	.837	0 %100
190	M229	Z	-.483	-.483	0 %100
191	M231	X	.965	.965	0 %100
192	M231	Z	-.557	-.557	0 %100
193	M231A	X	3.787	3.787	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
194	M231A	Z	-2.187	-2.187	0	%100
195	M232	X	2.76	2.76	0	%100
196	M232	Z	-1.593	-1.593	0	%100
197	M233	X	2.76	2.76	0	%100
198	M233	Z	-1.593	-1.593	0	%100
199	M234	X	3.787	3.787	0	%100
200	M234	Z	-2.187	-2.187	0	%100
201	M235	X	.965	.965	0	%100
202	M235	Z	-.557	-.557	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	3.194	3.194	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	5.232	5.232	0	%100
4	M4	Z	0	0	0	%100
5	M5	X	5.232	5.232	0	%100
6	M5	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	2.154	2.154	0	%100
10	M19	Z	0	0	0	%100
11	M20	X	2.154	2.154	0	%100
12	M20	Z	0	0	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	0	0	0	%100
17	M28	X	3.914	3.914	0	%100
18	M28	Z	0	0	0	%100
19	M29	X	3.914	3.914	0	%100
20	M29	Z	0	0	0	%100
21	M27A	X	2.154	2.154	0	%100
22	M27A	Z	0	0	0	%100
23	M28A	X	2.154	2.154	0	%100
24	M28A	Z	0	0	0	%100
25	M29A	X	0	0	0	%100
26	M29A	Z	0	0	0	%100
27	M44	X	1.548	1.548	0	%100
28	M44	Z	0	0	0	%100
29	M47	X	8.475	8.475	0	%100
30	M47	Z	0	0	0	%100
31	M48	X	8.475	8.475	0	%100
32	M48	Z	0	0	0	%100
33	M51	X	0	0	0	%100
34	M51	Z	0	0	0	%100
35	M52	X	.798	.798	0	%100
36	M52	Z	0	0	0	%100
37	M55	X	1.308	1.308	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	1.308	1.308	0	%100
40	M56	Z	0	0	0	%100
41	M69	X	2.005	2.005	0	%100
42	M69	Z	0	0	0	%100
43	M70	X	0	0	0	%100
44	M70	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
45	M71	X	2.154	2.154	0 %100
46	M71	Z	0	0	0 %100
47	M72	X	2.411	2.411	0 %100
48	M72	Z	0	0	0 %100
49	M73	X	2.005	2.005	0 %100
50	M73	Z	0	0	0 %100
51	M76	X	0	0	0 %100
52	M76	Z	0	0	0 %100
53	M77	X	3.914	3.914	0 %100
54	M77	Z	0	0	0 %100
55	M78	X	0	0	0 %100
56	M78	Z	0	0	0 %100
57	M79	X	2.154	2.154	0 %100
58	M79	Z	0	0	0 %100
59	M80	X	2.411	2.411	0 %100
60	M80	Z	0	0	0 %100
61	M95	X	2.541	2.541	0 %100
62	M95	Z	0	0	0 %100
63	M98	X	4.527	4.527	0 %100
64	M98	Z	0	0	0 %100
65	M99	X	4.527	4.527	0 %100
66	M99	Z	0	0	0 %100
67	M102	X	2.921	2.921	0 %100
68	M102	Z	0	0	0 %100
69	M103	X	.798	.798	0 %100
70	M103	Z	0	0	0 %100
71	M106	X	1.308	1.308	0 %100
72	M106	Z	0	0	0 %100
73	M107	X	1.308	1.308	0 %100
74	M107	Z	0	0	0 %100
75	M120	X	2.005	2.005	0 %100
76	M120	Z	0	0	0 %100
77	M121	X	2.154	2.154	0 %100
78	M121	Z	0	0	0 %100
79	M122	X	0	0	0 %100
80	M122	Z	0	0	0 %100
81	M123	X	2.411	2.411	0 %100
82	M123	Z	0	0	0 %100
83	M124	X	2.005	2.005	0 %100
84	M124	Z	0	0	0 %100
85	M127	X	3.914	3.914	0 %100
86	M127	Z	0	0	0 %100
87	M128	X	0	0	0 %100
88	M128	Z	0	0	0 %100
89	M129	X	2.154	2.154	0 %100
90	M129	Z	0	0	0 %100
91	M130	X	0	0	0 %100
92	M130	Z	0	0	0 %100
93	M131	X	2.411	2.411	0 %100
94	M131	Z	0	0	0 %100
95	M146	X	2.541	2.541	0 %100
96	M146	Z	0	0	0 %100
97	M149	X	4.527	4.527	0 %100
98	M149	Z	0	0	0 %100
99	M150	X	4.527	4.527	0 %100
100	M150	Z	0	0	0 %100
101	M153	X	2.921	2.921	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
102	M153	Z	0	0	0	%100
103	M148A	X	0	0	0	%100
104	M148A	Z	0	0	0	%100
105	M151A	X	0	0	0	%100
106	M151A	Z	0	0	0	%100
107	M152A	X	5.804	5.804	0	%100
108	M152A	Z	0	0	0	%100
109	M154	X	2.604	2.604	0	%100
110	M154	Z	0	0	0	%100
111	M157	X	2.604	2.604	0	%100
112	M157	Z	0	0	0	%100
113	M166	X	0	0	0	%100
114	M166	Z	0	0	0	%100
115	M162A	X	5.804	5.804	0	%100
116	M162A	Z	0	0	0	%100
117	M163A	X	0	0	0	%100
118	M163A	Z	0	0	0	%100
119	M164A	X	1.451	1.451	0	%100
120	M164A	Z	0	0	0	%100
121	M165A	X	4.353	4.353	0	%100
122	M165A	Z	0	0	0	%100
123	M166A	X	1.451	1.451	0	%100
124	M166A	Z	0	0	0	%100
125	M167	X	4.353	4.353	0	%100
126	M167	Z	0	0	0	%100
127	M168	X	1.451	1.451	0	%100
128	M168	Z	0	0	0	%100
129	M169	X	4.353	4.353	0	%100
130	M169	Z	0	0	0	%100
131	M170	X	1.451	1.451	0	%100
132	M170	Z	0	0	0	%100
133	M171	X	4.353	4.353	0	%100
134	M171	Z	0	0	0	%100
135	M172	X	0	0	0	%100
136	M172	Z	0	0	0	%100
137	M173	X	2.425	2.425	0	%100
138	M173	Z	0	0	0	%100
139	M174	X	2.425	2.425	0	%100
140	M174	Z	0	0	0	%100
141	M175	X	0	0	0	%100
142	M175	Z	0	0	0	%100
143	M176	X	2.604	2.604	0	%100
144	M176	Z	0	0	0	%100
145	M177	X	2.604	2.604	0	%100
146	M177	Z	0	0	0	%100
147	M203	X	2.85	2.85	0	%100
148	M203	Z	0	0	0	%100
149	OVP	X	3.472	3.472	0	%100
150	OVP	Z	0	0	0	%100
151	MP3A	X	3.472	3.472	0	%100
152	MP3A	Z	0	0	0	%100
153	MP2A	X	3.472	3.472	0	%100
154	MP2A	Z	0	0	0	%100
155	MP3C	X	3.472	3.472	0	%100
156	MP3C	Z	0	0	0	%100
157	MP2C	X	3.472	3.472	0	%100
158	MP2C	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
159	MP3B	X	3.472	3.472	0	%100
160	MP3B	Z	0	0	0	%100
161	MP2B	X	3.472	3.472	0	%100
162	MP2B	Z	0	0	0	%100
163	MP1A	X	3.472	3.472	0	%100
164	MP1A	Z	0	0	0	%100
165	MP4A	X	3.472	3.472	0	%100
166	MP4A	Z	0	0	0	%100
167	MP1C	X	3.472	3.472	0	%100
168	MP1C	Z	0	0	0	%100
169	MP4C	X	3.472	3.472	0	%100
170	MP4C	Z	0	0	0	%100
171	MP1B	X	3.472	3.472	0	%100
172	MP1B	Z	0	0	0	%100
173	MP4B	X	3.472	3.472	0	%100
174	MP4B	Z	0	0	0	%100
175	M204A	X	4.572	4.572	0	%100
176	M204A	Z	0	0	0	%100
177	M205B	X	4.572	4.572	0	%100
178	M205B	Z	0	0	0	%100
179	M206	X	0	0	0	%100
180	M206	Z	0	0	0	%100
181	M207	X	2.881	2.881	0	%100
182	M207	Z	0	0	0	%100
183	M208	X	2.881	2.881	0	%100
184	M208	Z	0	0	0	%100
185	M227	X	2.898	2.898	0	%100
186	M227	Z	0	0	0	%100
187	M228	X	2.898	2.898	0	%100
188	M228	Z	0	0	0	%100
189	M229	X	0	0	0	%100
190	M229	Z	0	0	0	%100
191	M231	X	2.596	2.596	0	%100
192	M231	Z	0	0	0	%100
193	M231A	X	2.596	2.596	0	%100
194	M231A	Z	0	0	0	%100
195	M232	X	1.41	1.41	0	%100
196	M232	Z	0	0	0	%100
197	M233	X	4.668	4.668	0	%100
198	M233	Z	0	0	0	%100
199	M234	X	4.668	4.668	0	%100
200	M234	Z	0	0	0	%100
201	M235	X	1.41	1.41	0	%100
202	M235	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	2.074	2.074	0	%100
2	M1	Z	1.198	1.198	0	%100
3	M4	X	3.398	3.398	0	%100
4	M4	Z	1.962	1.962	0	%100
5	M5	X	3.398	3.398	0	%100
6	M5	Z	1.962	1.962	0	%100
7	M18	X	.579	.579	0	%100
8	M18	Z	.334	.334	0	%100
9	M19	X	2.487	2.487	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
10	M19	Z	1.436	1.436	0 %100
11	M20	X	.622	.622	0 %100
12	M20	Z	.359	.359	0 %100
13	M21	X	.696	.696	0 %100
14	M21	Z	.402	.402	0 %100
15	M22	X	.579	.579	0 %100
16	M22	Z	.334	.334	0 %100
17	M28	X	4.52	4.52	0 %100
18	M28	Z	2.609	2.609	0 %100
19	M29	X	1.13	1.13	0 %100
20	M29	Z	.652	.652	0 %100
21	M27A	X	2.487	2.487	0 %100
22	M27A	Z	1.436	1.436	0 %100
23	M28A	X	.622	.622	0 %100
24	M28A	Z	.359	.359	0 %100
25	M29A	X	.696	.696	0 %100
26	M29A	Z	.402	.402	0 %100
27	M44	X	2.201	2.201	0 %100
28	M44	Z	1.271	1.271	0 %100
29	M47	X	5.8	5.8	0 %100
30	M47	Z	3.349	3.349	0 %100
31	M48	X	5.8	5.8	0 %100
32	M48	Z	3.349	3.349	0 %100
33	M51	X	.843	.843	0 %100
34	M51	Z	.487	.487	0 %100
35	M52	X	2.074	2.074	0 %100
36	M52	Z	1.198	1.198	0 %100
37	M55	X	3.398	3.398	0 %100
38	M55	Z	1.962	1.962	0 %100
39	M56	X	3.398	3.398	0 %100
40	M56	Z	1.962	1.962	0 %100
41	M69	X	.579	.579	0 %100
42	M69	Z	.334	.334	0 %100
43	M70	X	.622	.622	0 %100
44	M70	Z	.359	.359	0 %100
45	M71	X	2.487	2.487	0 %100
46	M71	Z	1.436	1.436	0 %100
47	M72	X	.696	.696	0 %100
48	M72	Z	.402	.402	0 %100
49	M73	X	.579	.579	0 %100
50	M73	Z	.334	.334	0 %100
51	M76	X	1.13	1.13	0 %100
52	M76	Z	.652	.652	0 %100
53	M77	X	4.52	4.52	0 %100
54	M77	Z	2.609	2.609	0 %100
55	M78	X	.622	.622	0 %100
56	M78	Z	.359	.359	0 %100
57	M79	X	2.487	2.487	0 %100
58	M79	Z	1.436	1.436	0 %100
59	M80	X	.696	.696	0 %100
60	M80	Z	.402	.402	0 %100
61	M95	X	3.92	3.92	0 %100
62	M95	Z	2.263	2.263	0 %100
63	M98	X	2.201	2.201	0 %100
64	M98	Z	1.271	1.271	0 %100
65	M99	X	2.201	2.201	0 %100
66	M99	Z	1.271	1.271	0 %100





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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
67	M102	X	.843	.843	0 %100
68	M102	Z	.487	.487	0 %100
69	M103	X	0	0	0 %100
70	M103	Z	0	0	0 %100
71	M106	X	0	0	0 %100
72	M106	Z	0	0	0 %100
73	M107	X	0	0	0 %100
74	M107	Z	0	0	0 %100
75	M120	X	2.315	2.315	0 %100
76	M120	Z	1.337	1.337	0 %100
77	M121	X	.622	.622	0 %100
78	M121	Z	.359	.359	0 %100
79	M122	X	.622	.622	0 %100
80	M122	Z	.359	.359	0 %100
81	M123	X	2.783	2.783	0 %100
82	M123	Z	1.607	1.607	0 %100
83	M124	X	2.315	2.315	0 %100
84	M124	Z	1.337	1.337	0 %100
85	M127	X	1.13	1.13	0 %100
86	M127	Z	.652	.652	0 %100
87	M128	X	1.13	1.13	0 %100
88	M128	Z	.652	.652	0 %100
89	M129	X	.622	.622	0 %100
90	M129	Z	.359	.359	0 %100
91	M130	X	.622	.622	0 %100
92	M130	Z	.359	.359	0 %100
93	M131	X	2.783	2.783	0 %100
94	M131	Z	1.607	1.607	0 %100
95	M146	X	1.341	1.341	0 %100
96	M146	Z	.774	.774	0 %100
97	M149	X	4.78	4.78	0 %100
98	M149	Z	2.76	2.76	0 %100
99	M150	X	4.78	4.78	0 %100
100	M150	Z	2.76	2.76	0 %100
101	M153	X	3.373	3.373	0 %100
102	M153	Z	1.947	1.947	0 %100
103	M148A	X	1.32	1.32	0 %100
104	M148A	Z	.762	.762	0 %100
105	M151A	X	.752	.752	0 %100
106	M151A	Z	.434	.434	0 %100
107	M152A	X	3.77	3.77	0 %100
108	M152A	Z	2.177	2.177	0 %100
109	M154	X	.752	.752	0 %100
110	M154	Z	.434	.434	0 %100
111	M157	X	3.007	3.007	0 %100
112	M157	Z	1.736	1.736	0 %100
113	M166	X	1.257	1.257	0 %100
114	M166	Z	.726	.726	0 %100
115	M162A	X	3.77	3.77	0 %100
116	M162A	Z	2.177	2.177	0 %100
117	M163A	X	1.257	1.257	0 %100
118	M163A	Z	.726	.726	0 %100
119	M164A	X	3.77	3.77	0 %100
120	M164A	Z	2.177	2.177	0 %100
121	M165A	X	1.257	1.257	0 %100
122	M165A	Z	.726	.726	0 %100
123	M166A	X	3.77	3.77	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
124	M166A	Z	2.177	2.177	0	%100
125	M167	X	1.257	1.257	0	%100
126	M167	Z	.726	.726	0	%100
127	M168	X	0	0	0	%100
128	M168	Z	0	0	0	%100
129	M169	X	5.027	5.027	0	%100
130	M169	Z	2.902	2.902	0	%100
131	M170	X	0	0	0	%100
132	M170	Z	0	0	0	%100
133	M171	X	5.027	5.027	0	%100
134	M171	Z	2.902	2.902	0	%100
135	M172	X	.7	.7	0	%100
136	M172	Z	.404	.404	0	%100
137	M173	X	.7	.7	0	%100
138	M173	Z	.404	.404	0	%100
139	M174	X	2.8	2.8	0	%100
140	M174	Z	1.616	1.616	0	%100
141	M175	X	.752	.752	0	%100
142	M175	Z	.434	.434	0	%100
143	M176	X	.752	.752	0	%100
144	M176	Z	.434	.434	0	%100
145	M177	X	3.007	3.007	0	%100
146	M177	Z	1.736	1.736	0	%100
147	M203	X	2.468	2.468	0	%100
148	M203	Z	1.425	1.425	0	%100
149	OVP	X	3.007	3.007	0	%100
150	OVP	Z	1.736	1.736	0	%100
151	MP3A	X	3.007	3.007	0	%100
152	MP3A	Z	1.736	1.736	0	%100
153	MP2A	X	3.007	3.007	0	%100
154	MP2A	Z	1.736	1.736	0	%100
155	MP3C	X	3.007	3.007	0	%100
156	MP3C	Z	1.736	1.736	0	%100
157	MP2C	X	3.007	3.007	0	%100
158	MP2C	Z	1.736	1.736	0	%100
159	MP3B	X	3.007	3.007	0	%100
160	MP3B	Z	1.736	1.736	0	%100
161	MP2B	X	3.007	3.007	0	%100
162	MP2B	Z	1.736	1.736	0	%100
163	MP1A	X	3.007	3.007	0	%100
164	MP1A	Z	1.736	1.736	0	%100
165	MP4A	X	3.007	3.007	0	%100
166	MP4A	Z	1.736	1.736	0	%100
167	MP1C	X	3.007	3.007	0	%100
168	MP1C	Z	1.736	1.736	0	%100
169	MP4C	X	3.007	3.007	0	%100
170	MP4C	Z	1.736	1.736	0	%100
171	MP1B	X	3.007	3.007	0	%100
172	MP1B	Z	1.736	1.736	0	%100
173	MP4B	X	3.007	3.007	0	%100
174	MP4B	Z	1.736	1.736	0	%100
175	M204A	X	1.32	1.32	0	%100
176	M204A	Z	.762	.762	0	%100
177	M205B	X	5.279	5.279	0	%100
178	M205B	Z	3.048	3.048	0	%100
179	M206	X	.832	.832	0	%100
180	M206	Z	.48	.48	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
181	M207	X	.832	.832	0	%100
182	M207	Z	.48	.48	0	%100
183	M208	X	3.327	3.327	0	%100
184	M208	Z	1.921	1.921	0	%100
185	M227	X	.837	.837	0	%100
186	M227	Z	.483	.483	0	%100
187	M228	X	3.346	3.346	0	%100
188	M228	Z	1.932	1.932	0	%100
189	M229	X	.837	.837	0	%100
190	M229	Z	.483	.483	0	%100
191	M231	X	3.787	3.787	0	%100
192	M231	Z	2.187	2.187	0	%100
193	M231A	X	.965	.965	0	%100
194	M231A	Z	.557	.557	0	%100
195	M232	X	.965	.965	0	%100
196	M232	Z	.557	.557	0	%100
197	M233	X	3.787	3.787	0	%100
198	M233	Z	2.187	2.187	0	%100
199	M234	X	2.76	2.76	0	%100
200	M234	Z	1.593	1.593	0	%100
201	M235	X	2.76	2.76	0	%100
202	M235	Z	1.593	1.593	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.399	.399	0	%100
2	M1	Z	.691	.691	0	%100
3	M4	X	.654	.654	0	%100
4	M4	Z	1.133	1.133	0	%100
5	M5	X	.654	.654	0	%100
6	M5	Z	1.133	1.133	0	%100
7	M18	X	1.003	1.003	0	%100
8	M18	Z	1.737	1.737	0	%100
9	M19	X	1.077	1.077	0	%100
10	M19	Z	1.865	1.865	0	%100
11	M20	X	0	0	0	%100
12	M20	Z	0	0	0	%100
13	M21	X	1.205	1.205	0	%100
14	M21	Z	2.088	2.088	0	%100
15	M22	X	1.003	1.003	0	%100
16	M22	Z	1.737	1.737	0	%100
17	M28	X	1.957	1.957	0	%100
18	M28	Z	3.39	3.39	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	0	0	0	%100
21	M27A	X	1.077	1.077	0	%100
22	M27A	Z	1.865	1.865	0	%100
23	M28A	X	0	0	0	%100
24	M28A	Z	0	0	0	%100
25	M29A	X	1.205	1.205	0	%100
26	M29A	Z	2.088	2.088	0	%100
27	M44	X	2.263	2.263	0	%100
28	M44	Z	3.92	3.92	0	%100
29	M47	X	1.571	1.571	0	%100
30	M47	Z	2.721	2.721	0	%100
31	M48	X	1.571	1.571	0	%100



Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

July 5, 2023  
 11:40 AM  
 Checked By: DX

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
32	M48	Z	2.721	2.721	0 %100
33	M51	X	1.46	1.46	0 %100
34	M51	Z	2.53	2.53	0 %100
35	M52	X	1.597	1.597	0 %100
36	M52	Z	2.766	2.766	0 %100
37	M55	X	2.616	2.616	0 %100
38	M55	Z	4.531	4.531	0 %100
39	M56	X	2.616	2.616	0 %100
40	M56	Z	4.531	4.531	0 %100
41	M69	X	0	0	0 %100
42	M69	Z	0	0	0 %100
43	M70	X	1.077	1.077	0 %100
44	M70	Z	1.865	1.865	0 %100
45	M71	X	1.077	1.077	0 %100
46	M71	Z	1.865	1.865	0 %100
47	M72	X	0	0	0 %100
48	M72	Z	0	0	0 %100
49	M73	X	0	0	0 %100
50	M73	Z	0	0	0 %100
51	M76	X	1.957	1.957	0 %100
52	M76	Z	3.39	3.39	0 %100
53	M77	X	1.957	1.957	0 %100
54	M77	Z	3.39	3.39	0 %100
55	M78	X	1.077	1.077	0 %100
56	M78	Z	1.865	1.865	0 %100
57	M79	X	1.077	1.077	0 %100
58	M79	Z	1.865	1.865	0 %100
59	M80	X	0	0	0 %100
60	M80	Z	0	0	0 %100
61	M95	X	2.76	2.76	0 %100
62	M95	Z	4.78	4.78	0 %100
63	M98	X	.774	.774	0 %100
64	M98	Z	1.341	1.341	0 %100
65	M99	X	.774	.774	0 %100
66	M99	Z	1.341	1.341	0 %100
67	M102	X	0	0	0 %100
68	M102	Z	0	0	0 %100
69	M103	X	.399	.399	0 %100
70	M103	Z	.691	.691	0 %100
71	M106	X	.654	.654	0 %100
72	M106	Z	1.133	1.133	0 %100
73	M107	X	.654	.654	0 %100
74	M107	Z	1.133	1.133	0 %100
75	M120	X	1.003	1.003	0 %100
76	M120	Z	1.737	1.737	0 %100
77	M121	X	0	0	0 %100
78	M121	Z	0	0	0 %100
79	M122	X	1.077	1.077	0 %100
80	M122	Z	1.865	1.865	0 %100
81	M123	X	1.205	1.205	0 %100
82	M123	Z	2.088	2.088	0 %100
83	M124	X	1.003	1.003	0 %100
84	M124	Z	1.737	1.737	0 %100
85	M127	X	0	0	0 %100
86	M127	Z	0	0	0 %100
87	M128	X	1.957	1.957	0 %100
88	M128	Z	3.39	3.39	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
89	M129	X	0	0	0	%100
90	M129	Z	0	0	0	%100
91	M130	X	1.077	1.077	0	%100
92	M130	Z	1.865	1.865	0	%100
93	M131	X	1.205	1.205	0	%100
94	M131	Z	2.088	2.088	0	%100
95	M146	X	1.271	1.271	0	%100
96	M146	Z	2.201	2.201	0	%100
97	M149	X	2.263	2.263	0	%100
98	M149	Z	3.92	3.92	0	%100
99	M150	X	2.263	2.263	0	%100
100	M150	Z	3.92	3.92	0	%100
101	M153	X	1.46	1.46	0	%100
102	M153	Z	2.53	2.53	0	%100
103	M148A	X	2.286	2.286	0	%100
104	M148A	Z	3.959	3.959	0	%100
105	M151A	X	1.302	1.302	0	%100
106	M151A	Z	2.255	2.255	0	%100
107	M152A	X	.726	.726	0	%100
108	M152A	Z	1.257	1.257	0	%100
109	M154	X	0	0	0	%100
110	M154	Z	0	0	0	%100
111	M157	X	1.302	1.302	0	%100
112	M157	Z	2.255	2.255	0	%100
113	M166	X	2.177	2.177	0	%100
114	M166	Z	3.77	3.77	0	%100
115	M162A	X	.726	.726	0	%100
116	M162A	Z	1.257	1.257	0	%100
117	M163A	X	2.177	2.177	0	%100
118	M163A	Z	3.77	3.77	0	%100
119	M164A	X	2.902	2.902	0	%100
120	M164A	Z	5.027	5.027	0	%100
121	M165A	X	0	0	0	%100
122	M165A	Z	0	0	0	%100
123	M166A	X	2.902	2.902	0	%100
124	M166A	Z	5.027	5.027	0	%100
125	M167	X	0	0	0	%100
126	M167	Z	0	0	0	%100
127	M168	X	.726	.726	0	%100
128	M168	Z	1.257	1.257	0	%100
129	M169	X	2.177	2.177	0	%100
130	M169	Z	3.77	3.77	0	%100
131	M170	X	.726	.726	0	%100
132	M170	Z	1.257	1.257	0	%100
133	M171	X	2.177	2.177	0	%100
134	M171	Z	3.77	3.77	0	%100
135	M172	X	1.212	1.212	0	%100
136	M172	Z	2.1	2.1	0	%100
137	M173	X	0	0	0	%100
138	M173	Z	0	0	0	%100
139	M174	X	1.212	1.212	0	%100
140	M174	Z	2.1	2.1	0	%100
141	M175	X	1.302	1.302	0	%100
142	M175	Z	2.255	2.255	0	%100
143	M176	X	0	0	0	%100
144	M176	Z	0	0	0	%100
145	M177	X	1.302	1.302	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
146	M177	Z	2.255	2.255	0 %100
147	M203	X	1.425	1.425	0 %100
148	M203	Z	2.468	2.468	0 %100
149	OVP	X	1.736	1.736	0 %100
150	OVP	Z	3.007	3.007	0 %100
151	MP3A	X	1.736	1.736	0 %100
152	MP3A	Z	3.007	3.007	0 %100
153	MP2A	X	1.736	1.736	0 %100
154	MP2A	Z	3.007	3.007	0 %100
155	MP3C	X	1.736	1.736	0 %100
156	MP3C	Z	3.007	3.007	0 %100
157	MP2C	X	1.736	1.736	0 %100
158	MP2C	Z	3.007	3.007	0 %100
159	MP3B	X	1.736	1.736	0 %100
160	MP3B	Z	3.007	3.007	0 %100
161	MP2B	X	1.736	1.736	0 %100
162	MP2B	Z	3.007	3.007	0 %100
163	MP1A	X	1.736	1.736	0 %100
164	MP1A	Z	3.007	3.007	0 %100
165	MP4A	X	1.736	1.736	0 %100
166	MP4A	Z	3.007	3.007	0 %100
167	MP1C	X	1.736	1.736	0 %100
168	MP1C	Z	3.007	3.007	0 %100
169	MP4C	X	1.736	1.736	0 %100
170	MP4C	Z	3.007	3.007	0 %100
171	MP1B	X	1.736	1.736	0 %100
172	MP1B	Z	3.007	3.007	0 %100
173	MP4B	X	1.736	1.736	0 %100
174	MP4B	Z	3.007	3.007	0 %100
175	M204A	X	0	0	0 %100
176	M204A	Z	0	0	0 %100
177	M205B	X	2.286	2.286	0 %100
178	M205B	Z	3.959	3.959	0 %100
179	M206	X	1.441	1.441	0 %100
180	M206	Z	2.495	2.495	0 %100
181	M207	X	0	0	0 %100
182	M207	Z	0	0	0 %100
183	M208	X	1.441	1.441	0 %100
184	M208	Z	2.495	2.495	0 %100
185	M227	X	0	0	0 %100
186	M227	Z	0	0	0 %100
187	M228	X	1.449	1.449	0 %100
188	M228	Z	2.51	2.51	0 %100
189	M229	X	1.449	1.449	0 %100
190	M229	Z	2.51	2.51	0 %100
191	M231	X	2.334	2.334	0 %100
192	M231	Z	4.043	4.043	0 %100
193	M231A	X	.705	.705	0 %100
194	M231A	Z	1.221	1.221	0 %100
195	M232	X	1.298	1.298	0 %100
196	M232	Z	2.248	2.248	0 %100
197	M233	X	1.298	1.298	0 %100
198	M233	Z	2.248	2.248	0 %100
199	M234	X	.705	.705	0 %100
200	M234	Z	1.221	1.221	0 %100
201	M235	X	2.334	2.334	0 %100
202	M235	Z	4.043	4.043	0 %100







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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
58	M79	Z	.718	.718	0 %100
59	M80	X	0	0	0 %100
60	M80	Z	.804	.804	0 %100
61	M95	X	0	0	0 %100
62	M95	Z	4.527	4.527	0 %100
63	M98	X	0	0	0 %100
64	M98	Z	2.541	2.541	0 %100
65	M99	X	0	0	0 %100
66	M99	Z	2.541	2.541	0 %100
67	M102	X	0	0	0 %100
68	M102	Z	.974	.974	0 %100
69	M103	X	0	0	0 %100
70	M103	Z	2.395	2.395	0 %100
71	M106	X	0	0	0 %100
72	M106	Z	3.924	3.924	0 %100
73	M107	X	0	0	0 %100
74	M107	Z	3.924	3.924	0 %100
75	M120	X	0	0	0 %100
76	M120	Z	.668	.668	0 %100
77	M121	X	0	0	0 %100
78	M121	Z	.718	.718	0 %100
79	M122	X	0	0	0 %100
80	M122	Z	2.872	2.872	0 %100
81	M123	X	0	0	0 %100
82	M123	Z	.804	.804	0 %100
83	M124	X	0	0	0 %100
84	M124	Z	.668	.668	0 %100
85	M127	X	0	0	0 %100
86	M127	Z	1.305	1.305	0 %100
87	M128	X	0	0	0 %100
88	M128	Z	5.219	5.219	0 %100
89	M129	X	0	0	0 %100
90	M129	Z	.718	.718	0 %100
91	M130	X	0	0	0 %100
92	M130	Z	2.872	2.872	0 %100
93	M131	X	0	0	0 %100
94	M131	Z	.804	.804	0 %100
95	M146	X	0	0	0 %100
96	M146	Z	4.527	4.527	0 %100
97	M149	X	0	0	0 %100
98	M149	Z	2.541	2.541	0 %100
99	M150	X	0	0	0 %100
100	M150	Z	2.541	2.541	0 %100
101	M153	X	0	0	0 %100
102	M153	Z	.974	.974	0 %100
103	M148A	X	0	0	0 %100
104	M148A	Z	6.096	6.096	0 %100
105	M151A	X	0	0	0 %100
106	M151A	Z	3.472	3.472	0 %100
107	M152A	X	0	0	0 %100
108	M152A	Z	0	0	0 %100
109	M154	X	0	0	0 %100
110	M154	Z	.868	.868	0 %100
111	M157	X	0	0	0 %100
112	M157	Z	.868	.868	0 %100
113	M166	X	0	0	0 %100
114	M166	Z	5.804	5.804	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]	
115	M162A	X	0	0	0	%100
116	M162A	Z	0	0	0	%100
117	M163A	X	0	0	0	%100
118	M163A	Z	5.804	5.804	0	%100
119	M164A	X	0	0	0	%100
120	M164A	Z	4.353	4.353	0	%100
121	M165A	X	0	0	0	%100
122	M165A	Z	1.451	1.451	0	%100
123	M166A	X	0	0	0	%100
124	M166A	Z	4.353	4.353	0	%100
125	M167	X	0	0	0	%100
126	M167	Z	1.451	1.451	0	%100
127	M168	X	0	0	0	%100
128	M168	Z	4.353	4.353	0	%100
129	M169	X	0	0	0	%100
130	M169	Z	1.451	1.451	0	%100
131	M170	X	0	0	0	%100
132	M170	Z	4.353	4.353	0	%100
133	M171	X	0	0	0	%100
134	M171	Z	1.451	1.451	0	%100
135	M172	X	0	0	0	%100
136	M172	Z	3.233	3.233	0	%100
137	M173	X	0	0	0	%100
138	M173	Z	.808	.808	0	%100
139	M174	X	0	0	0	%100
140	M174	Z	.808	.808	0	%100
141	M175	X	0	0	0	%100
142	M175	Z	3.472	3.472	0	%100
143	M176	X	0	0	0	%100
144	M176	Z	.868	.868	0	%100
145	M177	X	0	0	0	%100
146	M177	Z	.868	.868	0	%100
147	M203	X	0	0	0	%100
148	M203	Z	2.85	2.85	0	%100
149	OVP	X	0	0	0	%100
150	OVP	Z	3.472	3.472	0	%100
151	MP3A	X	0	0	0	%100
152	MP3A	Z	3.472	3.472	0	%100
153	MP2A	X	0	0	0	%100
154	MP2A	Z	3.472	3.472	0	%100
155	MP3C	X	0	0	0	%100
156	MP3C	Z	3.472	3.472	0	%100
157	MP2C	X	0	0	0	%100
158	MP2C	Z	3.472	3.472	0	%100
159	MP3B	X	0	0	0	%100
160	MP3B	Z	3.472	3.472	0	%100
161	MP2B	X	0	0	0	%100
162	MP2B	Z	3.472	3.472	0	%100
163	MP1A	X	0	0	0	%100
164	MP1A	Z	3.472	3.472	0	%100
165	MP4A	X	0	0	0	%100
166	MP4A	Z	3.472	3.472	0	%100
167	MP1C	X	0	0	0	%100
168	MP1C	Z	3.472	3.472	0	%100
169	MP4C	X	0	0	0	%100
170	MP4C	Z	3.472	3.472	0	%100
171	MP1B	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
172	MP1B	Z	3.472	3.472	0	%100
173	MP4B	X	0	0	0	%100
174	MP4B	Z	3.472	3.472	0	%100
175	M204A	X	0	0	0	%100
176	M204A	Z	1.524	1.524	0	%100
177	M205B	X	0	0	0	%100
178	M205B	Z	1.524	1.524	0	%100
179	M206	X	0	0	0	%100
180	M206	Z	3.841	3.841	0	%100
181	M207	X	0	0	0	%100
182	M207	Z	.96	.96	0	%100
183	M208	X	0	0	0	%100
184	M208	Z	.96	.96	0	%100
185	M227	X	0	0	0	%100
186	M227	Z	.966	.966	0	%100
187	M228	X	0	0	0	%100
188	M228	Z	.966	.966	0	%100
189	M229	X	0	0	0	%100
190	M229	Z	3.864	3.864	0	%100
191	M231	X	0	0	0	%100
192	M231	Z	3.187	3.187	0	%100
193	M231A	X	0	0	0	%100
194	M231A	Z	3.187	3.187	0	%100
195	M232	X	0	0	0	%100
196	M232	Z	4.373	4.373	0	%100
197	M233	X	0	0	0	%100
198	M233	Z	1.115	1.115	0	%100
199	M234	X	0	0	0	%100
200	M234	Z	1.115	1.115	0	%100
201	M235	X	0	0	0	%100
202	M235	Z	4.373	4.373	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.399	-.399	0	%100
2	M1	Z	.691	.691	0	%100
3	M4	X	-.654	-.654	0	%100
4	M4	Z	1.133	1.133	0	%100
5	M5	X	-.654	-.654	0	%100
6	M5	Z	1.133	1.133	0	%100
7	M18	X	-1.003	-1.003	0	%100
8	M18	Z	1.737	1.737	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	0	0	0	%100
11	M20	X	-1.077	-1.077	0	%100
12	M20	Z	1.865	1.865	0	%100
13	M21	X	-1.205	-1.205	0	%100
14	M21	Z	2.088	2.088	0	%100
15	M22	X	-1.003	-1.003	0	%100
16	M22	Z	1.737	1.737	0	%100
17	M28	X	0	0	0	%100
18	M28	Z	0	0	0	%100
19	M29	X	-1.957	-1.957	0	%100
20	M29	Z	3.39	3.39	0	%100
21	M27A	X	0	0	0	%100
22	M27A	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
23	M28A	X	-1.077	-1.077	0 %100
24	M28A	Z	1.865	1.865	0 %100
25	M29A	X	-1.205	-1.205	0 %100
26	M29A	Z	2.088	2.088	0 %100
27	M44	X	-2.263	-2.263	0 %100
28	M44	Z	3.92	3.92	0 %100
29	M47	X	-1.571	-1.571	0 %100
30	M47	Z	2.721	2.721	0 %100
31	M48	X	-1.571	-1.571	0 %100
32	M48	Z	2.721	2.721	0 %100
33	M51	X	-1.46	-1.46	0 %100
34	M51	Z	2.53	2.53	0 %100
35	M52	X	-.399	-.399	0 %100
36	M52	Z	.691	.691	0 %100
37	M55	X	-.654	-.654	0 %100
38	M55	Z	1.133	1.133	0 %100
39	M56	X	-.654	-.654	0 %100
40	M56	Z	1.133	1.133	0 %100
41	M69	X	-1.003	-1.003	0 %100
42	M69	Z	1.737	1.737	0 %100
43	M70	X	-1.077	-1.077	0 %100
44	M70	Z	1.865	1.865	0 %100
45	M71	X	0	0	0 %100
46	M71	Z	0	0	0 %100
47	M72	X	-1.205	-1.205	0 %100
48	M72	Z	2.088	2.088	0 %100
49	M73	X	-1.003	-1.003	0 %100
50	M73	Z	1.737	1.737	0 %100
51	M76	X	-1.957	-1.957	0 %100
52	M76	Z	3.39	3.39	0 %100
53	M77	X	0	0	0 %100
54	M77	Z	0	0	0 %100
55	M78	X	-1.077	-1.077	0 %100
56	M78	Z	1.865	1.865	0 %100
57	M79	X	0	0	0 %100
58	M79	Z	0	0	0 %100
59	M80	X	-1.205	-1.205	0 %100
60	M80	Z	2.088	2.088	0 %100
61	M95	X	-1.271	-1.271	0 %100
62	M95	Z	2.201	2.201	0 %100
63	M98	X	-2.263	-2.263	0 %100
64	M98	Z	3.92	3.92	0 %100
65	M99	X	-2.263	-2.263	0 %100
66	M99	Z	3.92	3.92	0 %100
67	M102	X	-1.46	-1.46	0 %100
68	M102	Z	2.53	2.53	0 %100
69	M103	X	-1.597	-1.597	0 %100
70	M103	Z	2.766	2.766	0 %100
71	M106	X	-2.616	-2.616	0 %100
72	M106	Z	4.531	4.531	0 %100
73	M107	X	-2.616	-2.616	0 %100
74	M107	Z	4.531	4.531	0 %100
75	M120	X	0	0	0 %100
76	M120	Z	0	0	0 %100
77	M121	X	-1.077	-1.077	0 %100
78	M121	Z	1.865	1.865	0 %100
79	M122	X	-1.077	-1.077	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
80	M122	Z	1.865	1.865	0 %100
81	M123	X	0	0	0 %100
82	M123	Z	0	0	0 %100
83	M124	X	0	0	0 %100
84	M124	Z	0	0	0 %100
85	M127	X	-1.957	-1.957	0 %100
86	M127	Z	3.39	3.39	0 %100
87	M128	X	-1.957	-1.957	0 %100
88	M128	Z	3.39	3.39	0 %100
89	M129	X	-1.077	-1.077	0 %100
90	M129	Z	1.865	1.865	0 %100
91	M130	X	-1.077	-1.077	0 %100
92	M130	Z	1.865	1.865	0 %100
93	M131	X	0	0	0 %100
94	M131	Z	0	0	0 %100
95	M146	X	-2.76	-2.76	0 %100
96	M146	Z	4.78	4.78	0 %100
97	M149	X	-0.774	-0.774	0 %100
98	M149	Z	1.341	1.341	0 %100
99	M150	X	-0.774	-0.774	0 %100
100	M150	Z	1.341	1.341	0 %100
101	M153	X	0	0	0 %100
102	M153	Z	0	0	0 %100
103	M148A	X	-2.286	-2.286	0 %100
104	M148A	Z	3.959	3.959	0 %100
105	M151A	X	-1.302	-1.302	0 %100
106	M151A	Z	2.255	2.255	0 %100
107	M152A	X	-0.726	-0.726	0 %100
108	M152A	Z	1.257	1.257	0 %100
109	M154	X	-1.302	-1.302	0 %100
110	M154	Z	2.255	2.255	0 %100
111	M157	X	0	0	0 %100
112	M157	Z	0	0	0 %100
113	M166	X	-2.177	-2.177	0 %100
114	M166	Z	3.77	3.77	0 %100
115	M162A	X	-0.726	-0.726	0 %100
116	M162A	Z	1.257	1.257	0 %100
117	M163A	X	-2.177	-2.177	0 %100
118	M163A	Z	3.77	3.77	0 %100
119	M164A	X	-0.726	-0.726	0 %100
120	M164A	Z	1.257	1.257	0 %100
121	M165A	X	-2.177	-2.177	0 %100
122	M165A	Z	3.77	3.77	0 %100
123	M166A	X	-0.726	-0.726	0 %100
124	M166A	Z	1.257	1.257	0 %100
125	M167	X	-2.177	-2.177	0 %100
126	M167	Z	3.77	3.77	0 %100
127	M168	X	-2.902	-2.902	0 %100
128	M168	Z	5.027	5.027	0 %100
129	M169	X	0	0	0 %100
130	M169	Z	0	0	0 %100
131	M170	X	-2.902	-2.902	0 %100
132	M170	Z	5.027	5.027	0 %100
133	M171	X	0	0	0 %100
134	M171	Z	0	0	0 %100
135	M172	X	-1.212	-1.212	0 %100
136	M172	Z	2.1	2.1	0 %100









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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
45	M71	X	-0.622	-0.622	0 %100
46	M71	Z	0.359	0.359	0 %100
47	M72	X	-2.783	-2.783	0 %100
48	M72	Z	1.607	1.607	0 %100
49	M73	X	-2.315	-2.315	0 %100
50	M73	Z	1.337	1.337	0 %100
51	M76	X	-1.13	-1.13	0 %100
52	M76	Z	0.652	0.652	0 %100
53	M77	X	-1.13	-1.13	0 %100
54	M77	Z	0.652	0.652	0 %100
55	M78	X	-0.622	-0.622	0 %100
56	M78	Z	0.359	0.359	0 %100
57	M79	X	-0.622	-0.622	0 %100
58	M79	Z	0.359	0.359	0 %100
59	M80	X	-2.783	-2.783	0 %100
60	M80	Z	1.607	1.607	0 %100
61	M95	X	-1.341	-1.341	0 %100
62	M95	Z	0.774	0.774	0 %100
63	M98	X	-4.78	-4.78	0 %100
64	M98	Z	2.76	2.76	0 %100
65	M99	X	-4.78	-4.78	0 %100
66	M99	Z	2.76	2.76	0 %100
67	M102	X	-3.373	-3.373	0 %100
68	M102	Z	1.947	1.947	0 %100
69	M103	X	-2.074	-2.074	0 %100
70	M103	Z	1.198	1.198	0 %100
71	M106	X	-3.398	-3.398	0 %100
72	M106	Z	1.962	1.962	0 %100
73	M107	X	-3.398	-3.398	0 %100
74	M107	Z	1.962	1.962	0 %100
75	M120	X	-0.579	-0.579	0 %100
76	M120	Z	0.334	0.334	0 %100
77	M121	X	-2.487	-2.487	0 %100
78	M121	Z	1.436	1.436	0 %100
79	M122	X	-0.622	-0.622	0 %100
80	M122	Z	0.359	0.359	0 %100
81	M123	X	-0.696	-0.696	0 %100
82	M123	Z	0.402	0.402	0 %100
83	M124	X	-0.579	-0.579	0 %100
84	M124	Z	0.334	0.334	0 %100
85	M127	X	-4.52	-4.52	0 %100
86	M127	Z	2.609	2.609	0 %100
87	M128	X	-1.13	-1.13	0 %100
88	M128	Z	0.652	0.652	0 %100
89	M129	X	-2.487	-2.487	0 %100
90	M129	Z	1.436	1.436	0 %100
91	M130	X	-0.622	-0.622	0 %100
92	M130	Z	0.359	0.359	0 %100
93	M131	X	-0.696	-0.696	0 %100
94	M131	Z	0.402	0.402	0 %100
95	M146	X	-3.92	-3.92	0 %100
96	M146	Z	2.263	2.263	0 %100
97	M149	X	-2.201	-2.201	0 %100
98	M149	Z	1.271	1.271	0 %100
99	M150	X	-2.201	-2.201	0 %100
100	M150	Z	1.271	1.271	0 %100
101	M153	X	-0.843	-0.843	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
102	M153	Z	.487	.487	0 %100
103	M148A	X	-1.32	-1.32	0 %100
104	M148A	Z	.762	.762	0 %100
105	M151A	X	-.752	-.752	0 %100
106	M151A	Z	.434	.434	0 %100
107	M152A	X	-3.77	-3.77	0 %100
108	M152A	Z	2.177	2.177	0 %100
109	M154	X	-3.007	-3.007	0 %100
110	M154	Z	1.736	1.736	0 %100
111	M157	X	-.752	-.752	0 %100
112	M157	Z	.434	.434	0 %100
113	M166	X	-1.257	-1.257	0 %100
114	M166	Z	.726	.726	0 %100
115	M162A	X	-3.77	-3.77	0 %100
116	M162A	Z	2.177	2.177	0 %100
117	M163A	X	-1.257	-1.257	0 %100
118	M163A	Z	.726	.726	0 %100
119	M164A	X	0	0	0 %100
120	M164A	Z	0	0	0 %100
121	M165A	X	-5.027	-5.027	0 %100
122	M165A	Z	2.902	2.902	0 %100
123	M166A	X	0	0	0 %100
124	M166A	Z	0	0	0 %100
125	M167	X	-5.027	-5.027	0 %100
126	M167	Z	2.902	2.902	0 %100
127	M168	X	-3.77	-3.77	0 %100
128	M168	Z	2.177	2.177	0 %100
129	M169	X	-1.257	-1.257	0 %100
130	M169	Z	.726	.726	0 %100
131	M170	X	-3.77	-3.77	0 %100
132	M170	Z	2.177	2.177	0 %100
133	M171	X	-1.257	-1.257	0 %100
134	M171	Z	.726	.726	0 %100
135	M172	X	-.7	-.7	0 %100
136	M172	Z	.404	.404	0 %100
137	M173	X	-2.8	-2.8	0 %100
138	M173	Z	1.616	1.616	0 %100
139	M174	X	-.7	-.7	0 %100
140	M174	Z	.404	.404	0 %100
141	M175	X	-.752	-.752	0 %100
142	M175	Z	.434	.434	0 %100
143	M176	X	-3.007	-3.007	0 %100
144	M176	Z	1.736	1.736	0 %100
145	M177	X	-.752	-.752	0 %100
146	M177	Z	.434	.434	0 %100
147	M203	X	-2.468	-2.468	0 %100
148	M203	Z	1.425	1.425	0 %100
149	OVP	X	-3.007	-3.007	0 %100
150	OVP	Z	1.736	1.736	0 %100
151	MP3A	X	-3.007	-3.007	0 %100
152	MP3A	Z	1.736	1.736	0 %100
153	MP2A	X	-3.007	-3.007	0 %100
154	MP2A	Z	1.736	1.736	0 %100
155	MP3C	X	-3.007	-3.007	0 %100
156	MP3C	Z	1.736	1.736	0 %100
157	MP2C	X	-3.007	-3.007	0 %100
158	MP2C	Z	1.736	1.736	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
159	MP3B	X	-3.007	-3.007	0	%100
160	MP3B	Z	1.736	1.736	0	%100
161	MP2B	X	-3.007	-3.007	0	%100
162	MP2B	Z	1.736	1.736	0	%100
163	MP1A	X	-3.007	-3.007	0	%100
164	MP1A	Z	1.736	1.736	0	%100
165	MP4A	X	-3.007	-3.007	0	%100
166	MP4A	Z	1.736	1.736	0	%100
167	MP1C	X	-3.007	-3.007	0	%100
168	MP1C	Z	1.736	1.736	0	%100
169	MP4C	X	-3.007	-3.007	0	%100
170	MP4C	Z	1.736	1.736	0	%100
171	MP1B	X	-3.007	-3.007	0	%100
172	MP1B	Z	1.736	1.736	0	%100
173	MP4B	X	-3.007	-3.007	0	%100
174	MP4B	Z	1.736	1.736	0	%100
175	M204A	X	-5.279	-5.279	0	%100
176	M204A	Z	3.048	3.048	0	%100
177	M205B	X	-1.32	-1.32	0	%100
178	M205B	Z	.762	.762	0	%100
179	M206	X	-.832	-.832	0	%100
180	M206	Z	.48	.48	0	%100
181	M207	X	-3.327	-3.327	0	%100
182	M207	Z	1.921	1.921	0	%100
183	M208	X	-.832	-.832	0	%100
184	M208	Z	.48	.48	0	%100
185	M227	X	-3.346	-3.346	0	%100
186	M227	Z	1.932	1.932	0	%100
187	M228	X	-.837	-.837	0	%100
188	M228	Z	.483	.483	0	%100
189	M229	X	-.837	-.837	0	%100
190	M229	Z	.483	.483	0	%100
191	M231	X	-.965	-.965	0	%100
192	M231	Z	.557	.557	0	%100
193	M231A	X	-3.787	-3.787	0	%100
194	M231A	Z	2.187	2.187	0	%100
195	M232	X	-2.76	-2.76	0	%100
196	M232	Z	1.593	1.593	0	%100
197	M233	X	-2.76	-2.76	0	%100
198	M233	Z	1.593	1.593	0	%100
199	M234	X	-3.787	-3.787	0	%100
200	M234	Z	2.187	2.187	0	%100
201	M235	X	-.965	-.965	0	%100
202	M235	Z	.557	.557	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	-3.194	-3.194	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-5.232	-5.232	0	%100
4	M4	Z	0	0	0	%100
5	M5	X	-5.232	-5.232	0	%100
6	M5	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	-2.154	-2.154	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
10	M19	Z	0	0	0	%100
11	M20	X	-2.154	-2.154	0	%100
12	M20	Z	0	0	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	0	0	0	%100
17	M28	X	-3.914	-3.914	0	%100
18	M28	Z	0	0	0	%100
19	M29	X	-3.914	-3.914	0	%100
20	M29	Z	0	0	0	%100
21	M27A	X	-2.154	-2.154	0	%100
22	M27A	Z	0	0	0	%100
23	M28A	X	-2.154	-2.154	0	%100
24	M28A	Z	0	0	0	%100
25	M29A	X	0	0	0	%100
26	M29A	Z	0	0	0	%100
27	M44	X	-1.548	-1.548	0	%100
28	M44	Z	0	0	0	%100
29	M47	X	-8.475	-8.475	0	%100
30	M47	Z	0	0	0	%100
31	M48	X	-8.475	-8.475	0	%100
32	M48	Z	0	0	0	%100
33	M51	X	0	0	0	%100
34	M51	Z	0	0	0	%100
35	M52	X	-.798	-.798	0	%100
36	M52	Z	0	0	0	%100
37	M55	X	-1.308	-1.308	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	-1.308	-1.308	0	%100
40	M56	Z	0	0	0	%100
41	M69	X	-2.005	-2.005	0	%100
42	M69	Z	0	0	0	%100
43	M70	X	0	0	0	%100
44	M70	Z	0	0	0	%100
45	M71	X	-2.154	-2.154	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	-2.411	-2.411	0	%100
48	M72	Z	0	0	0	%100
49	M73	X	-2.005	-2.005	0	%100
50	M73	Z	0	0	0	%100
51	M76	X	0	0	0	%100
52	M76	Z	0	0	0	%100
53	M77	X	-3.914	-3.914	0	%100
54	M77	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79	X	-2.154	-2.154	0	%100
58	M79	Z	0	0	0	%100
59	M80	X	-2.411	-2.411	0	%100
60	M80	Z	0	0	0	%100
61	M95	X	-2.541	-2.541	0	%100
62	M95	Z	0	0	0	%100
63	M98	X	-4.527	-4.527	0	%100
64	M98	Z	0	0	0	%100
65	M99	X	-4.527	-4.527	0	%100
66	M99	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
67	M102	X	-2.921	-2.921	0	%100
68	M102	Z	0	0	0	%100
69	M103	X	-.798	-.798	0	%100
70	M103	Z	0	0	0	%100
71	M106	X	-1.308	-1.308	0	%100
72	M106	Z	0	0	0	%100
73	M107	X	-1.308	-1.308	0	%100
74	M107	Z	0	0	0	%100
75	M120	X	-2.005	-2.005	0	%100
76	M120	Z	0	0	0	%100
77	M121	X	-2.154	-2.154	0	%100
78	M121	Z	0	0	0	%100
79	M122	X	0	0	0	%100
80	M122	Z	0	0	0	%100
81	M123	X	-2.411	-2.411	0	%100
82	M123	Z	0	0	0	%100
83	M124	X	-2.005	-2.005	0	%100
84	M124	Z	0	0	0	%100
85	M127	X	-3.914	-3.914	0	%100
86	M127	Z	0	0	0	%100
87	M128	X	0	0	0	%100
88	M128	Z	0	0	0	%100
89	M129	X	-2.154	-2.154	0	%100
90	M129	Z	0	0	0	%100
91	M130	X	0	0	0	%100
92	M130	Z	0	0	0	%100
93	M131	X	-2.411	-2.411	0	%100
94	M131	Z	0	0	0	%100
95	M146	X	-2.541	-2.541	0	%100
96	M146	Z	0	0	0	%100
97	M149	X	-4.527	-4.527	0	%100
98	M149	Z	0	0	0	%100
99	M150	X	-4.527	-4.527	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	-2.921	-2.921	0	%100
102	M153	Z	0	0	0	%100
103	M148A	X	0	0	0	%100
104	M148A	Z	0	0	0	%100
105	M151A	X	0	0	0	%100
106	M151A	Z	0	0	0	%100
107	M152A	X	-5.804	-5.804	0	%100
108	M152A	Z	0	0	0	%100
109	M154	X	-2.604	-2.604	0	%100
110	M154	Z	0	0	0	%100
111	M157	X	-2.604	-2.604	0	%100
112	M157	Z	0	0	0	%100
113	M166	X	0	0	0	%100
114	M166	Z	0	0	0	%100
115	M162A	X	-5.804	-5.804	0	%100
116	M162A	Z	0	0	0	%100
117	M163A	X	0	0	0	%100
118	M163A	Z	0	0	0	%100
119	M164A	X	-1.451	-1.451	0	%100
120	M164A	Z	0	0	0	%100
121	M165A	X	-4.353	-4.353	0	%100
122	M165A	Z	0	0	0	%100
123	M166A	X	-1.451	-1.451	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
124	M166A	Z	0	0	0	%100
125	M167	X	-4.353	-4.353	0	%100
126	M167	Z	0	0	0	%100
127	M168	X	-1.451	-1.451	0	%100
128	M168	Z	0	0	0	%100
129	M169	X	-4.353	-4.353	0	%100
130	M169	Z	0	0	0	%100
131	M170	X	-1.451	-1.451	0	%100
132	M170	Z	0	0	0	%100
133	M171	X	-4.353	-4.353	0	%100
134	M171	Z	0	0	0	%100
135	M172	X	0	0	0	%100
136	M172	Z	0	0	0	%100
137	M173	X	-2.425	-2.425	0	%100
138	M173	Z	0	0	0	%100
139	M174	X	-2.425	-2.425	0	%100
140	M174	Z	0	0	0	%100
141	M175	X	0	0	0	%100
142	M175	Z	0	0	0	%100
143	M176	X	-2.604	-2.604	0	%100
144	M176	Z	0	0	0	%100
145	M177	X	-2.604	-2.604	0	%100
146	M177	Z	0	0	0	%100
147	M203	X	-2.85	-2.85	0	%100
148	M203	Z	0	0	0	%100
149	OVP	X	-3.472	-3.472	0	%100
150	OVP	Z	0	0	0	%100
151	MP3A	X	-3.472	-3.472	0	%100
152	MP3A	Z	0	0	0	%100
153	MP2A	X	-3.472	-3.472	0	%100
154	MP2A	Z	0	0	0	%100
155	MP3C	X	-3.472	-3.472	0	%100
156	MP3C	Z	0	0	0	%100
157	MP2C	X	-3.472	-3.472	0	%100
158	MP2C	Z	0	0	0	%100
159	MP3B	X	-3.472	-3.472	0	%100
160	MP3B	Z	0	0	0	%100
161	MP2B	X	-3.472	-3.472	0	%100
162	MP2B	Z	0	0	0	%100
163	MP1A	X	-3.472	-3.472	0	%100
164	MP1A	Z	0	0	0	%100
165	MP4A	X	-3.472	-3.472	0	%100
166	MP4A	Z	0	0	0	%100
167	MP1C	X	-3.472	-3.472	0	%100
168	MP1C	Z	0	0	0	%100
169	MP4C	X	-3.472	-3.472	0	%100
170	MP4C	Z	0	0	0	%100
171	MP1B	X	-3.472	-3.472	0	%100
172	MP1B	Z	0	0	0	%100
173	MP4B	X	-3.472	-3.472	0	%100
174	MP4B	Z	0	0	0	%100
175	M204A	X	-4.572	-4.572	0	%100
176	M204A	Z	0	0	0	%100
177	M205B	X	-4.572	-4.572	0	%100
178	M205B	Z	0	0	0	%100
179	M206	X	0	0	0	%100
180	M206	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
181	M207	X	-2.881	-2.881	0	%100
182	M207	Z	0	0	0	%100
183	M208	X	-2.881	-2.881	0	%100
184	M208	Z	0	0	0	%100
185	M227	X	-2.898	-2.898	0	%100
186	M227	Z	0	0	0	%100
187	M228	X	-2.898	-2.898	0	%100
188	M228	Z	0	0	0	%100
189	M229	X	0	0	0	%100
190	M229	Z	0	0	0	%100
191	M231	X	-2.596	-2.596	0	%100
192	M231	Z	0	0	0	%100
193	M231A	X	-2.596	-2.596	0	%100
194	M231A	Z	0	0	0	%100
195	M232	X	-1.41	-1.41	0	%100
196	M232	Z	0	0	0	%100
197	M233	X	-4.668	-4.668	0	%100
198	M233	Z	0	0	0	%100
199	M234	X	-4.668	-4.668	0	%100
200	M234	Z	0	0	0	%100
201	M235	X	-1.41	-1.41	0	%100
202	M235	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-2.074	-2.074	0	%100
2	M1	Z	-1.198	-1.198	0	%100
3	M4	X	-3.398	-3.398	0	%100
4	M4	Z	-1.962	-1.962	0	%100
5	M5	X	-3.398	-3.398	0	%100
6	M5	Z	-1.962	-1.962	0	%100
7	M18	X	-.579	-.579	0	%100
8	M18	Z	-.334	-.334	0	%100
9	M19	X	-2.487	-2.487	0	%100
10	M19	Z	-1.436	-1.436	0	%100
11	M20	X	-.622	-.622	0	%100
12	M20	Z	-.359	-.359	0	%100
13	M21	X	-.696	-.696	0	%100
14	M21	Z	-.402	-.402	0	%100
15	M22	X	-.579	-.579	0	%100
16	M22	Z	-.334	-.334	0	%100
17	M28	X	-4.52	-4.52	0	%100
18	M28	Z	-2.609	-2.609	0	%100
19	M29	X	-1.13	-1.13	0	%100
20	M29	Z	-.652	-.652	0	%100
21	M27A	X	-2.487	-2.487	0	%100
22	M27A	Z	-1.436	-1.436	0	%100
23	M28A	X	-.622	-.622	0	%100
24	M28A	Z	-.359	-.359	0	%100
25	M29A	X	-.696	-.696	0	%100
26	M29A	Z	-.402	-.402	0	%100
27	M44	X	-2.201	-2.201	0	%100
28	M44	Z	-1.271	-1.271	0	%100
29	M47	X	-5.8	-5.8	0	%100
30	M47	Z	-3.349	-3.349	0	%100
31	M48	X	-5.8	-5.8	0	%100







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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
89	M129	X	-.622	-.622	0 %100
90	M129	Z	-.359	-.359	0 %100
91	M130	X	-.622	-.622	0 %100
92	M130	Z	-.359	-.359	0 %100
93	M131	X	-2.783	-2.783	0 %100
94	M131	Z	-1.607	-1.607	0 %100
95	M146	X	-1.341	-1.341	0 %100
96	M146	Z	-.774	-.774	0 %100
97	M149	X	-4.78	-4.78	0 %100
98	M149	Z	-2.76	-2.76	0 %100
99	M150	X	-4.78	-4.78	0 %100
100	M150	Z	-2.76	-2.76	0 %100
101	M153	X	-3.373	-3.373	0 %100
102	M153	Z	-1.947	-1.947	0 %100
103	M148A	X	-1.32	-1.32	0 %100
104	M148A	Z	-.762	-.762	0 %100
105	M151A	X	-.752	-.752	0 %100
106	M151A	Z	-.434	-.434	0 %100
107	M152A	X	-3.77	-3.77	0 %100
108	M152A	Z	-2.177	-2.177	0 %100
109	M154	X	-.752	-.752	0 %100
110	M154	Z	-.434	-.434	0 %100
111	M157	X	-3.007	-3.007	0 %100
112	M157	Z	-1.736	-1.736	0 %100
113	M166	X	-1.257	-1.257	0 %100
114	M166	Z	-.726	-.726	0 %100
115	M162A	X	-3.77	-3.77	0 %100
116	M162A	Z	-2.177	-2.177	0 %100
117	M163A	X	-1.257	-1.257	0 %100
118	M163A	Z	-.726	-.726	0 %100
119	M164A	X	-3.77	-3.77	0 %100
120	M164A	Z	-2.177	-2.177	0 %100
121	M165A	X	-1.257	-1.257	0 %100
122	M165A	Z	-.726	-.726	0 %100
123	M166A	X	-3.77	-3.77	0 %100
124	M166A	Z	-2.177	-2.177	0 %100
125	M167	X	-1.257	-1.257	0 %100
126	M167	Z	-.726	-.726	0 %100
127	M168	X	0	0	0 %100
128	M168	Z	0	0	0 %100
129	M169	X	-5.027	-5.027	0 %100
130	M169	Z	-2.902	-2.902	0 %100
131	M170	X	0	0	0 %100
132	M170	Z	0	0	0 %100
133	M171	X	-5.027	-5.027	0 %100
134	M171	Z	-2.902	-2.902	0 %100
135	M172	X	-.7	-.7	0 %100
136	M172	Z	-.404	-.404	0 %100
137	M173	X	-.7	-.7	0 %100
138	M173	Z	-.404	-.404	0 %100
139	M174	X	-2.8	-2.8	0 %100
140	M174	Z	-1.616	-1.616	0 %100
141	M175	X	-.752	-.752	0 %100
142	M175	Z	-.434	-.434	0 %100
143	M176	X	-.752	-.752	0 %100
144	M176	Z	-.434	-.434	0 %100
145	M177	X	-3.007	-3.007	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
146	M177	Z	-1.736	-1.736	0 %100
147	M203	X	-2.468	-2.468	0 %100
148	M203	Z	-1.425	-1.425	0 %100
149	OVP	X	-3.007	-3.007	0 %100
150	OVP	Z	-1.736	-1.736	0 %100
151	MP3A	X	-3.007	-3.007	0 %100
152	MP3A	Z	-1.736	-1.736	0 %100
153	MP2A	X	-3.007	-3.007	0 %100
154	MP2A	Z	-1.736	-1.736	0 %100
155	MP3C	X	-3.007	-3.007	0 %100
156	MP3C	Z	-1.736	-1.736	0 %100
157	MP2C	X	-3.007	-3.007	0 %100
158	MP2C	Z	-1.736	-1.736	0 %100
159	MP3B	X	-3.007	-3.007	0 %100
160	MP3B	Z	-1.736	-1.736	0 %100
161	MP2B	X	-3.007	-3.007	0 %100
162	MP2B	Z	-1.736	-1.736	0 %100
163	MP1A	X	-3.007	-3.007	0 %100
164	MP1A	Z	-1.736	-1.736	0 %100
165	MP4A	X	-3.007	-3.007	0 %100
166	MP4A	Z	-1.736	-1.736	0 %100
167	MP1C	X	-3.007	-3.007	0 %100
168	MP1C	Z	-1.736	-1.736	0 %100
169	MP4C	X	-3.007	-3.007	0 %100
170	MP4C	Z	-1.736	-1.736	0 %100
171	MP1B	X	-3.007	-3.007	0 %100
172	MP1B	Z	-1.736	-1.736	0 %100
173	MP4B	X	-3.007	-3.007	0 %100
174	MP4B	Z	-1.736	-1.736	0 %100
175	M204A	X	-1.32	-1.32	0 %100
176	M204A	Z	-.762	-.762	0 %100
177	M205B	X	-5.279	-5.279	0 %100
178	M205B	Z	-3.048	-3.048	0 %100
179	M206	X	-.832	-.832	0 %100
180	M206	Z	-.48	-.48	0 %100
181	M207	X	-.832	-.832	0 %100
182	M207	Z	-.48	-.48	0 %100
183	M208	X	-3.327	-3.327	0 %100
184	M208	Z	-1.921	-1.921	0 %100
185	M227	X	-.837	-.837	0 %100
186	M227	Z	-.483	-.483	0 %100
187	M228	X	-3.346	-3.346	0 %100
188	M228	Z	-1.932	-1.932	0 %100
189	M229	X	-.837	-.837	0 %100
190	M229	Z	-.483	-.483	0 %100
191	M231	X	-3.787	-3.787	0 %100
192	M231	Z	-2.187	-2.187	0 %100
193	M231A	X	-.965	-.965	0 %100
194	M231A	Z	-.557	-.557	0 %100
195	M232	X	-.965	-.965	0 %100
196	M232	Z	-.557	-.557	0 %100
197	M233	X	-3.787	-3.787	0 %100
198	M233	Z	-2.187	-2.187	0 %100
199	M234	X	-2.76	-2.76	0 %100
200	M234	Z	-1.593	-1.593	0 %100
201	M235	X	-2.76	-2.76	0 %100
202	M235	Z	-1.593	-1.593	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-0.399	-0.399	0	%100
2	M1	Z	-0.691	-0.691	0	%100
3	M4	X	-0.654	-0.654	0	%100
4	M4	Z	-1.133	-1.133	0	%100
5	M5	X	-0.654	-0.654	0	%100
6	M5	Z	-1.133	-1.133	0	%100
7	M18	X	-1.003	-1.003	0	%100
8	M18	Z	-1.737	-1.737	0	%100
9	M19	X	-1.077	-1.077	0	%100
10	M19	Z	-1.865	-1.865	0	%100
11	M20	X	0	0	0	%100
12	M20	Z	0	0	0	%100
13	M21	X	-1.205	-1.205	0	%100
14	M21	Z	-2.088	-2.088	0	%100
15	M22	X	-1.003	-1.003	0	%100
16	M22	Z	-1.737	-1.737	0	%100
17	M28	X	-1.957	-1.957	0	%100
18	M28	Z	-3.39	-3.39	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	0	0	0	%100
21	M27A	X	-1.077	-1.077	0	%100
22	M27A	Z	-1.865	-1.865	0	%100
23	M28A	X	0	0	0	%100
24	M28A	Z	0	0	0	%100
25	M29A	X	-1.205	-1.205	0	%100
26	M29A	Z	-2.088	-2.088	0	%100
27	M44	X	-2.263	-2.263	0	%100
28	M44	Z	-3.92	-3.92	0	%100
29	M47	X	-1.571	-1.571	0	%100
30	M47	Z	-2.721	-2.721	0	%100
31	M48	X	-1.571	-1.571	0	%100
32	M48	Z	-2.721	-2.721	0	%100
33	M51	X	-1.46	-1.46	0	%100
34	M51	Z	-2.53	-2.53	0	%100
35	M52	X	-1.597	-1.597	0	%100
36	M52	Z	-2.766	-2.766	0	%100
37	M55	X	-2.616	-2.616	0	%100
38	M55	Z	-4.531	-4.531	0	%100
39	M56	X	-2.616	-2.616	0	%100
40	M56	Z	-4.531	-4.531	0	%100
41	M69	X	0	0	0	%100
42	M69	Z	0	0	0	%100
43	M70	X	-1.077	-1.077	0	%100
44	M70	Z	-1.865	-1.865	0	%100
45	M71	X	-1.077	-1.077	0	%100
46	M71	Z	-1.865	-1.865	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	0	0	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	0	0	0	%100
51	M76	X	-1.957	-1.957	0	%100
52	M76	Z	-3.39	-3.39	0	%100
53	M77	X	-1.957	-1.957	0	%100
54	M77	Z	-3.39	-3.39	0	%100
55	M78	X	-1.077	-1.077	0	%100
56	M78	Z	-1.865	-1.865	0	%100
57	M79	X	-1.077	-1.077	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
58	M79	Z	-1.865	-1.865	0 %100
59	M80	X	0	0	0 %100
60	M80	Z	0	0	0 %100
61	M95	X	-2.76	-2.76	0 %100
62	M95	Z	-4.78	-4.78	0 %100
63	M98	X	-.774	-.774	0 %100
64	M98	Z	-1.341	-1.341	0 %100
65	M99	X	-.774	-.774	0 %100
66	M99	Z	-1.341	-1.341	0 %100
67	M102	X	0	0	0 %100
68	M102	Z	0	0	0 %100
69	M103	X	-.399	-.399	0 %100
70	M103	Z	-.691	-.691	0 %100
71	M106	X	-.654	-.654	0 %100
72	M106	Z	-1.133	-1.133	0 %100
73	M107	X	-.654	-.654	0 %100
74	M107	Z	-1.133	-1.133	0 %100
75	M120	X	-1.003	-1.003	0 %100
76	M120	Z	-1.737	-1.737	0 %100
77	M121	X	0	0	0 %100
78	M121	Z	0	0	0 %100
79	M122	X	-1.077	-1.077	0 %100
80	M122	Z	-1.865	-1.865	0 %100
81	M123	X	-1.205	-1.205	0 %100
82	M123	Z	-2.088	-2.088	0 %100
83	M124	X	-1.003	-1.003	0 %100
84	M124	Z	-1.737	-1.737	0 %100
85	M127	X	0	0	0 %100
86	M127	Z	0	0	0 %100
87	M128	X	-1.957	-1.957	0 %100
88	M128	Z	-3.39	-3.39	0 %100
89	M129	X	0	0	0 %100
90	M129	Z	0	0	0 %100
91	M130	X	-1.077	-1.077	0 %100
92	M130	Z	-1.865	-1.865	0 %100
93	M131	X	-1.205	-1.205	0 %100
94	M131	Z	-2.088	-2.088	0 %100
95	M146	X	-1.271	-1.271	0 %100
96	M146	Z	-2.201	-2.201	0 %100
97	M149	X	-2.263	-2.263	0 %100
98	M149	Z	-3.92	-3.92	0 %100
99	M150	X	-2.263	-2.263	0 %100
100	M150	Z	-3.92	-3.92	0 %100
101	M153	X	-1.46	-1.46	0 %100
102	M153	Z	-2.53	-2.53	0 %100
103	M148A	X	-2.286	-2.286	0 %100
104	M148A	Z	-3.959	-3.959	0 %100
105	M151A	X	-1.302	-1.302	0 %100
106	M151A	Z	-2.255	-2.255	0 %100
107	M152A	X	-.726	-.726	0 %100
108	M152A	Z	-1.257	-1.257	0 %100
109	M154	X	0	0	0 %100
110	M154	Z	0	0	0 %100
111	M157	X	-1.302	-1.302	0 %100
112	M157	Z	-2.255	-2.255	0 %100
113	M166	X	-2.177	-2.177	0 %100
114	M166	Z	-3.77	-3.77	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
115	M162A	X	-0.726	-0.726	0 %100
116	M162A	Z	-1.257	-1.257	0 %100
117	M163A	X	-2.177	-2.177	0 %100
118	M163A	Z	-3.77	-3.77	0 %100
119	M164A	X	-2.902	-2.902	0 %100
120	M164A	Z	-5.027	-5.027	0 %100
121	M165A	X	0	0	0 %100
122	M165A	Z	0	0	0 %100
123	M166A	X	-2.902	-2.902	0 %100
124	M166A	Z	-5.027	-5.027	0 %100
125	M167	X	0	0	0 %100
126	M167	Z	0	0	0 %100
127	M168	X	-0.726	-0.726	0 %100
128	M168	Z	-1.257	-1.257	0 %100
129	M169	X	-2.177	-2.177	0 %100
130	M169	Z	-3.77	-3.77	0 %100
131	M170	X	-0.726	-0.726	0 %100
132	M170	Z	-1.257	-1.257	0 %100
133	M171	X	-2.177	-2.177	0 %100
134	M171	Z	-3.77	-3.77	0 %100
135	M172	X	-1.212	-1.212	0 %100
136	M172	Z	-2.1	-2.1	0 %100
137	M173	X	0	0	0 %100
138	M173	Z	0	0	0 %100
139	M174	X	-1.212	-1.212	0 %100
140	M174	Z	-2.1	-2.1	0 %100
141	M175	X	-1.302	-1.302	0 %100
142	M175	Z	-2.255	-2.255	0 %100
143	M176	X	0	0	0 %100
144	M176	Z	0	0	0 %100
145	M177	X	-1.302	-1.302	0 %100
146	M177	Z	-2.255	-2.255	0 %100
147	M203	X	-1.425	-1.425	0 %100
148	M203	Z	-2.468	-2.468	0 %100
149	OVP	X	-1.736	-1.736	0 %100
150	OVP	Z	-3.007	-3.007	0 %100
151	MP3A	X	-1.736	-1.736	0 %100
152	MP3A	Z	-3.007	-3.007	0 %100
153	MP2A	X	-1.736	-1.736	0 %100
154	MP2A	Z	-3.007	-3.007	0 %100
155	MP3C	X	-1.736	-1.736	0 %100
156	MP3C	Z	-3.007	-3.007	0 %100
157	MP2C	X	-1.736	-1.736	0 %100
158	MP2C	Z	-3.007	-3.007	0 %100
159	MP3B	X	-1.736	-1.736	0 %100
160	MP3B	Z	-3.007	-3.007	0 %100
161	MP2B	X	-1.736	-1.736	0 %100
162	MP2B	Z	-3.007	-3.007	0 %100
163	MP1A	X	-1.736	-1.736	0 %100
164	MP1A	Z	-3.007	-3.007	0 %100
165	MP4A	X	-1.736	-1.736	0 %100
166	MP4A	Z	-3.007	-3.007	0 %100
167	MP1C	X	-1.736	-1.736	0 %100
168	MP1C	Z	-3.007	-3.007	0 %100
169	MP4C	X	-1.736	-1.736	0 %100
170	MP4C	Z	-3.007	-3.007	0 %100
171	MP1B	X	-1.736	-1.736	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
172	MP1B	Z	-3.007	-3.007	0	%100
173	MP4B	X	-1.736	-1.736	0	%100
174	MP4B	Z	-3.007	-3.007	0	%100
175	M204A	X	0	0	0	%100
176	M204A	Z	0	0	0	%100
177	M205B	X	-2.286	-2.286	0	%100
178	M205B	Z	-3.959	-3.959	0	%100
179	M206	X	-1.441	-1.441	0	%100
180	M206	Z	-2.495	-2.495	0	%100
181	M207	X	0	0	0	%100
182	M207	Z	0	0	0	%100
183	M208	X	-1.441	-1.441	0	%100
184	M208	Z	-2.495	-2.495	0	%100
185	M227	X	0	0	0	%100
186	M227	Z	0	0	0	%100
187	M228	X	-1.449	-1.449	0	%100
188	M228	Z	-2.51	-2.51	0	%100
189	M229	X	-1.449	-1.449	0	%100
190	M229	Z	-2.51	-2.51	0	%100
191	M231	X	-2.334	-2.334	0	%100
192	M231	Z	-4.043	-4.043	0	%100
193	M231A	X	-.705	-.705	0	%100
194	M231A	Z	-1.221	-1.221	0	%100
195	M232	X	-1.298	-1.298	0	%100
196	M232	Z	-2.248	-2.248	0	%100
197	M233	X	-1.298	-1.298	0	%100
198	M233	Z	-2.248	-2.248	0	%100
199	M234	X	-.705	-.705	0	%100
200	M234	Z	-1.221	-1.221	0	%100
201	M235	X	-2.334	-2.334	0	%100
202	M235	Z	-4.043	-4.043	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	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	-.581	-.581	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	-.157	-.157	0	%100
11	M20	X	0	0	0	%100
12	M20	Z	-.157	-.157	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	-.702	-.702	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	-.581	-.581	0	%100
17	M28	X	0	0	0	%100
18	M28	Z	-.358	-.358	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	-.358	-.358	0	%100
21	M27A	X	0	0	0	%100
22	M27A	Z	-.157	-.157	0	%100







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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
80	M122	Z	-0.628	-0.628	0 %100
81	M123	X	0	0	0 %100
82	M123	Z	-0.175	-0.175	0 %100
83	M124	X	0	0	0 %100
84	M124	Z	-0.145	-0.145	0 %100
85	M127	X	0	0	0 %100
86	M127	Z	-0.358	-0.358	0 %100
87	M128	X	0	0	0 %100
88	M128	Z	-1.433	-1.433	0 %100
89	M129	X	0	0	0 %100
90	M129	Z	-0.157	-0.157	0 %100
91	M130	X	0	0	0 %100
92	M130	Z	-0.628	-0.628	0 %100
93	M131	X	0	0	0 %100
94	M131	Z	-0.175	-0.175	0 %100
95	M146	X	0	0	0 %100
96	M146	Z	-1.239	-1.239	0 %100
97	M149	X	0	0	0 %100
98	M149	Z	-0.524	-0.524	0 %100
99	M150	X	0	0	0 %100
100	M150	Z	-0.524	-0.524	0 %100
101	M153	X	0	0	0 %100
102	M153	Z	-0.196	-0.196	0 %100
103	M148A	X	0	0	0 %100
104	M148A	Z	-1.635	-1.635	0 %100
105	M151A	X	0	0	0 %100
106	M151A	Z	-0.632	-0.632	0 %100
107	M152A	X	0	0	0 %100
108	M152A	Z	0	0	0 %100
109	M154	X	0	0	0 %100
110	M154	Z	-0.158	-0.158	0 %100
111	M157	X	0	0	0 %100
112	M157	Z	-0.158	-0.158	0 %100
113	M166	X	0	0	0 %100
114	M166	Z	-1.729	-1.729	0 %100
115	M162A	X	0	0	0 %100
116	M162A	Z	0	0	0 %100
117	M163A	X	0	0	0 %100
118	M163A	Z	-1.729	-1.729	0 %100
119	M164A	X	0	0	0 %100
120	M164A	Z	-1.297	-1.297	0 %100
121	M165A	X	0	0	0 %100
122	M165A	Z	-0.432	-0.432	0 %100
123	M166A	X	0	0	0 %100
124	M166A	Z	-1.297	-1.297	0 %100
125	M167	X	0	0	0 %100
126	M167	Z	-0.432	-0.432	0 %100
127	M168	X	0	0	0 %100
128	M168	Z	-1.297	-1.297	0 %100
129	M169	X	0	0	0 %100
130	M169	Z	-0.432	-0.432	0 %100
131	M170	X	0	0	0 %100
132	M170	Z	-1.297	-1.297	0 %100
133	M171	X	0	0	0 %100
134	M171	Z	-0.432	-0.432	0 %100
135	M172	X	0	0	0 %100
136	M172	Z	-0.586	-0.586	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
137	M173	X	0	0	%100
138	M173	Z	-.146	-.146	%100
139	M174	X	0	0	%100
140	M174	Z	-.146	-.146	%100
141	M175	X	0	0	%100
142	M175	Z	-.632	-.632	%100
143	M176	X	0	0	%100
144	M176	Z	-.158	-.158	%100
145	M177	X	0	0	%100
146	M177	Z	-.158	-.158	%100
147	M203	X	0	0	%100
148	M203	Z	-.517	-.517	%100
149	OVP	X	0	0	%100
150	OVP	Z	-.632	-.632	%100
151	MP3A	X	0	0	%100
152	MP3A	Z	-.632	-.632	%100
153	MP2A	X	0	0	%100
154	MP2A	Z	-.632	-.632	%100
155	MP3C	X	0	0	%100
156	MP3C	Z	-.632	-.632	%100
157	MP2C	X	0	0	%100
158	MP2C	Z	-.632	-.632	%100
159	MP3B	X	0	0	%100
160	MP3B	Z	-.632	-.632	%100
161	MP2B	X	0	0	%100
162	MP2B	Z	-.632	-.632	%100
163	MP1A	X	0	0	%100
164	MP1A	Z	-.632	-.632	%100
165	MP4A	X	0	0	%100
166	MP4A	Z	-.632	-.632	%100
167	MP1C	X	0	0	%100
168	MP1C	Z	-.632	-.632	%100
169	MP4C	X	0	0	%100
170	MP4C	Z	-.632	-.632	%100
171	MP1B	X	0	0	%100
172	MP1B	Z	-.632	-.632	%100
173	MP4B	X	0	0	%100
174	MP4B	Z	-.632	-.632	%100
175	M204A	X	0	0	%100
176	M204A	Z	-.409	-.409	%100
177	M205B	X	0	0	%100
178	M205B	Z	-.409	-.409	%100
179	M206	X	0	0	%100
180	M206	Z	-.765	-.765	%100
181	M207	X	0	0	%100
182	M207	Z	-.191	-.191	%100
183	M208	X	0	0	%100
184	M208	Z	-.191	-.191	%100
185	M227	X	0	0	%100
186	M227	Z	-.236	-.236	%100
187	M228	X	0	0	%100
188	M228	Z	-.236	-.236	%100
189	M229	X	0	0	%100
190	M229	Z	-.946	-.946	%100
191	M231	X	0	0	%100
192	M231	Z	-.737	-.737	%100
193	M231A	X	0	0	%100





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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
45	M71	X	0	0	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	.263	.263	0	%100
48	M72	Z	-.456	-.456	0	%100
49	M73	X	.218	.218	0	%100
50	M73	Z	-.378	-.378	0	%100
51	M76	X	.538	.538	0	%100
52	M76	Z	-.931	-.931	0	%100
53	M77	X	0	0	0	%100
54	M77	Z	0	0	0	%100
55	M78	X	.236	.236	0	%100
56	M78	Z	-.408	-.408	0	%100
57	M79	X	0	0	0	%100
58	M79	Z	0	0	0	%100
59	M80	X	.263	.263	0	%100
60	M80	Z	-.456	-.456	0	%100
61	M95	X	.262	.262	0	%100
62	M95	Z	-.454	-.454	0	%100
63	M98	X	.619	.619	0	%100
64	M98	Z	-1.073	-1.073	0	%100
65	M99	X	.619	.619	0	%100
66	M99	Z	-1.073	-1.073	0	%100
67	M102	X	.294	.294	0	%100
68	M102	Z	-.509	-.509	0	%100
69	M103	X	.322	.322	0	%100
70	M103	Z	-.558	-.558	0	%100
71	M106	X	.672	.672	0	%100
72	M106	Z	-1.165	-1.165	0	%100
73	M107	X	.672	.672	0	%100
74	M107	Z	-1.165	-1.165	0	%100
75	M120	X	0	0	0	%100
76	M120	Z	0	0	0	%100
77	M121	X	.236	.236	0	%100
78	M121	Z	-.408	-.408	0	%100
79	M122	X	.236	.236	0	%100
80	M122	Z	-.408	-.408	0	%100
81	M123	X	0	0	0	%100
82	M123	Z	0	0	0	%100
83	M124	X	0	0	0	%100
84	M124	Z	0	0	0	%100
85	M127	X	.538	.538	0	%100
86	M127	Z	-.931	-.931	0	%100
87	M128	X	.538	.538	0	%100
88	M128	Z	-.931	-.931	0	%100
89	M129	X	.236	.236	0	%100
90	M129	Z	-.408	-.408	0	%100
91	M130	X	.236	.236	0	%100
92	M130	Z	-.408	-.408	0	%100
93	M131	X	0	0	0	%100
94	M131	Z	0	0	0	%100
95	M146	X	.798	.798	0	%100
96	M146	Z	-1.382	-1.382	0	%100
97	M149	X	.083	.083	0	%100
98	M149	Z	-.144	-.144	0	%100
99	M150	X	.083	.083	0	%100
100	M150	Z	-.144	-.144	0	%100
101	M153	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
102	M153	Z	0	0	0	%100
103	M148A	X	.613	.613	0	%100
104	M148A	Z	-1.062	-1.062	0	%100
105	M151A	X	.237	.237	0	%100
106	M151A	Z	-.41	-.41	0	%100
107	M152A	X	.216	.216	0	%100
108	M152A	Z	-.374	-.374	0	%100
109	M154	X	.237	.237	0	%100
110	M154	Z	-.41	-.41	0	%100
111	M157	X	0	0	0	%100
112	M157	Z	0	0	0	%100
113	M166	X	.648	.648	0	%100
114	M166	Z	-1.123	-1.123	0	%100
115	M162A	X	.216	.216	0	%100
116	M162A	Z	-.374	-.374	0	%100
117	M163A	X	.648	.648	0	%100
118	M163A	Z	-1.123	-1.123	0	%100
119	M164A	X	.216	.216	0	%100
120	M164A	Z	-.374	-.374	0	%100
121	M165A	X	.648	.648	0	%100
122	M165A	Z	-1.123	-1.123	0	%100
123	M166A	X	.216	.216	0	%100
124	M166A	Z	-.374	-.374	0	%100
125	M167	X	.648	.648	0	%100
126	M167	Z	-1.123	-1.123	0	%100
127	M168	X	.865	.865	0	%100
128	M168	Z	-1.497	-1.497	0	%100
129	M169	X	0	0	0	%100
130	M169	Z	0	0	0	%100
131	M170	X	.865	.865	0	%100
132	M170	Z	-1.497	-1.497	0	%100
133	M171	X	0	0	0	%100
134	M171	Z	0	0	0	%100
135	M172	X	.22	.22	0	%100
136	M172	Z	-.38	-.38	0	%100
137	M173	X	.22	.22	0	%100
138	M173	Z	-.38	-.38	0	%100
139	M174	X	0	0	0	%100
140	M174	Z	0	0	0	%100
141	M175	X	.237	.237	0	%100
142	M175	Z	-.41	-.41	0	%100
143	M176	X	.237	.237	0	%100
144	M176	Z	-.41	-.41	0	%100
145	M177	X	0	0	0	%100
146	M177	Z	0	0	0	%100
147	M203	X	.258	.258	0	%100
148	M203	Z	-.447	-.447	0	%100
149	OVP	X	.316	.316	0	%100
150	OVP	Z	-.547	-.547	0	%100
151	MP3A	X	.316	.316	0	%100
152	MP3A	Z	-.547	-.547	0	%100
153	MP2A	X	.316	.316	0	%100
154	MP2A	Z	-.547	-.547	0	%100
155	MP3C	X	.316	.316	0	%100
156	MP3C	Z	-.547	-.547	0	%100
157	MP2C	X	.316	.316	0	%100
158	MP2C	Z	-.547	-.547	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
159	MP3B	X	.316	.316	0	%100
160	MP3B	Z	-.547	-.547	0	%100
161	MP2B	X	.316	.316	0	%100
162	MP2B	Z	-.547	-.547	0	%100
163	MP1A	X	.316	.316	0	%100
164	MP1A	Z	-.547	-.547	0	%100
165	MP4A	X	.316	.316	0	%100
166	MP4A	Z	-.547	-.547	0	%100
167	MP1C	X	.316	.316	0	%100
168	MP1C	Z	-.547	-.547	0	%100
169	MP4C	X	.316	.316	0	%100
170	MP4C	Z	-.547	-.547	0	%100
171	MP1B	X	.316	.316	0	%100
172	MP1B	Z	-.547	-.547	0	%100
173	MP4B	X	.316	.316	0	%100
174	MP4B	Z	-.547	-.547	0	%100
175	M204A	X	.613	.613	0	%100
176	M204A	Z	-1.062	-1.062	0	%100
177	M205B	X	0	0	0	%100
178	M205B	Z	0	0	0	%100
179	M206	X	.287	.287	0	%100
180	M206	Z	-.497	-.497	0	%100
181	M207	X	.287	.287	0	%100
182	M207	Z	-.497	-.497	0	%100
183	M208	X	0	0	0	%100
184	M208	Z	0	0	0	%100
185	M227	X	.355	.355	0	%100
186	M227	Z	-.614	-.614	0	%100
187	M228	X	0	0	0	%100
188	M228	Z	0	0	0	%100
189	M229	X	.355	.355	0	%100
190	M229	Z	-.614	-.614	0	%100
191	M231	X	.163	.163	0	%100
192	M231	Z	-.282	-.282	0	%100
193	M231A	X	.539	.539	0	%100
194	M231A	Z	-.934	-.934	0	%100
195	M232	X	.539	.539	0	%100
196	M232	Z	-.934	-.934	0	%100
197	M233	X	.163	.163	0	%100
198	M233	Z	-.282	-.282	0	%100
199	M234	X	.3	.3	0	%100
200	M234	Z	-.52	-.52	0	%100
201	M235	X	.3	.3	0	%100
202	M235	Z	-.52	-.52	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.419	.419	0	%100
2	M1	Z	-.242	-.242	0	%100
3	M4	X	.873	.873	0	%100
4	M4	Z	-.504	-.504	0	%100
5	M5	X	.873	.873	0	%100
6	M5	Z	-.504	-.504	0	%100
7	M18	X	.126	.126	0	%100
8	M18	Z	-.073	-.073	0	%100
9	M19	X	.136	.136	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
10	M19	Z	-.079	-.079	0 %100
11	M20	X	.544	.544	0 %100
12	M20	Z	-.314	-.314	0 %100
13	M21	X	.152	.152	0 %100
14	M21	Z	-.088	-.088	0 %100
15	M22	X	.126	.126	0 %100
16	M22	Z	-.073	-.073	0 %100
17	M28	X	.31	.31	0 %100
18	M28	Z	-.179	-.179	0 %100
19	M29	X	1.241	1.241	0 %100
20	M29	Z	-.717	-.717	0 %100
21	M27A	X	.136	.136	0 %100
22	M27A	Z	-.079	-.079	0 %100
23	M28A	X	.544	.544	0 %100
24	M28A	Z	-.314	-.314	0 %100
25	M29A	X	.152	.152	0 %100
26	M29A	Z	-.088	-.088	0 %100
27	M44	X	.454	.454	0 %100
28	M44	Z	-.262	-.262	0 %100
29	M47	X	1.749	1.749	0 %100
30	M47	Z	-1.01	-1.01	0 %100
31	M48	X	1.749	1.749	0 %100
32	M48	Z	-1.01	-1.01	0 %100
33	M51	X	.17	.17	0 %100
34	M51	Z	-.098	-.098	0 %100
35	M52	X	0	0	0 %100
36	M52	Z	0	0	0 %100
37	M55	X	0	0	0 %100
38	M55	Z	0	0	0 %100
39	M56	X	0	0	0 %100
40	M56	Z	0	0	0 %100
41	M69	X	.503	.503	0 %100
42	M69	Z	-.291	-.291	0 %100
43	M70	X	.136	.136	0 %100
44	M70	Z	-.079	-.079	0 %100
45	M71	X	.136	.136	0 %100
46	M71	Z	-.079	-.079	0 %100
47	M72	X	.608	.608	0 %100
48	M72	Z	-.351	-.351	0 %100
49	M73	X	.503	.503	0 %100
50	M73	Z	-.291	-.291	0 %100
51	M76	X	.31	.31	0 %100
52	M76	Z	-.179	-.179	0 %100
53	M77	X	.31	.31	0 %100
54	M77	Z	-.179	-.179	0 %100
55	M78	X	.136	.136	0 %100
56	M78	Z	-.079	-.079	0 %100
57	M79	X	.136	.136	0 %100
58	M79	Z	-.079	-.079	0 %100
59	M80	X	.608	.608	0 %100
60	M80	Z	-.351	-.351	0 %100
61	M95	X	.144	.144	0 %100
62	M95	Z	-.083	-.083	0 %100
63	M98	X	1.382	1.382	0 %100
64	M98	Z	-.798	-.798	0 %100
65	M99	X	1.382	1.382	0 %100
66	M99	Z	-.798	-.798	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
67	M102	X	.679	.679	0 %100
68	M102	Z	-.392	-.392	0 %100
69	M103	X	.419	.419	0 %100
70	M103	Z	-.242	-.242	0 %100
71	M106	X	.873	.873	0 %100
72	M106	Z	-.504	-.504	0 %100
73	M107	X	.873	.873	0 %100
74	M107	Z	-.504	-.504	0 %100
75	M120	X	.126	.126	0 %100
76	M120	Z	-.073	-.073	0 %100
77	M121	X	.544	.544	0 %100
78	M121	Z	-.314	-.314	0 %100
79	M122	X	.136	.136	0 %100
80	M122	Z	-.079	-.079	0 %100
81	M123	X	.152	.152	0 %100
82	M123	Z	-.088	-.088	0 %100
83	M124	X	.126	.126	0 %100
84	M124	Z	-.073	-.073	0 %100
85	M127	X	1.241	1.241	0 %100
86	M127	Z	-.717	-.717	0 %100
87	M128	X	.31	.31	0 %100
88	M128	Z	-.179	-.179	0 %100
89	M129	X	.544	.544	0 %100
90	M129	Z	-.314	-.314	0 %100
91	M130	X	.136	.136	0 %100
92	M130	Z	-.079	-.079	0 %100
93	M131	X	.152	.152	0 %100
94	M131	Z	-.088	-.088	0 %100
95	M146	X	1.073	1.073	0 %100
96	M146	Z	-.619	-.619	0 %100
97	M149	X	.454	.454	0 %100
98	M149	Z	-.262	-.262	0 %100
99	M150	X	.454	.454	0 %100
100	M150	Z	-.262	-.262	0 %100
101	M153	X	.17	.17	0 %100
102	M153	Z	-.098	-.098	0 %100
103	M148A	X	.354	.354	0 %100
104	M148A	Z	-.204	-.204	0 %100
105	M151A	X	.137	.137	0 %100
106	M151A	Z	-.079	-.079	0 %100
107	M152A	X	1.123	1.123	0 %100
108	M152A	Z	-.648	-.648	0 %100
109	M154	X	.547	.547	0 %100
110	M154	Z	-.316	-.316	0 %100
111	M157	X	.137	.137	0 %100
112	M157	Z	-.079	-.079	0 %100
113	M166	X	.374	.374	0 %100
114	M166	Z	-.216	-.216	0 %100
115	M162A	X	1.123	1.123	0 %100
116	M162A	Z	-.648	-.648	0 %100
117	M163A	X	.374	.374	0 %100
118	M163A	Z	-.216	-.216	0 %100
119	M164A	X	0	0	0 %100
120	M164A	Z	0	0	0 %100
121	M165A	X	1.497	1.497	0 %100
122	M165A	Z	-.865	-.865	0 %100
123	M166A	X	0	0	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
124	M166A	Z	0	0	0	%100
125	M167	X	1.497	1.497	0	%100
126	M167	Z	-.865	-.865	0	%100
127	M168	X	1.123	1.123	0	%100
128	M168	Z	-.648	-.648	0	%100
129	M169	X	.374	.374	0	%100
130	M169	Z	-.216	-.216	0	%100
131	M170	X	1.123	1.123	0	%100
132	M170	Z	-.648	-.648	0	%100
133	M171	X	.374	.374	0	%100
134	M171	Z	-.216	-.216	0	%100
135	M172	X	.127	.127	0	%100
136	M172	Z	-.073	-.073	0	%100
137	M173	X	.507	.507	0	%100
138	M173	Z	-.293	-.293	0	%100
139	M174	X	.127	.127	0	%100
140	M174	Z	-.073	-.073	0	%100
141	M175	X	.137	.137	0	%100
142	M175	Z	-.079	-.079	0	%100
143	M176	X	.547	.547	0	%100
144	M176	Z	-.316	-.316	0	%100
145	M177	X	.137	.137	0	%100
146	M177	Z	-.079	-.079	0	%100
147	M203	X	.447	.447	0	%100
148	M203	Z	-.258	-.258	0	%100
149	OVP	X	.547	.547	0	%100
150	OVP	Z	-.316	-.316	0	%100
151	MP3A	X	.547	.547	0	%100
152	MP3A	Z	-.316	-.316	0	%100
153	MP2A	X	.547	.547	0	%100
154	MP2A	Z	-.316	-.316	0	%100
155	MP3C	X	.547	.547	0	%100
156	MP3C	Z	-.316	-.316	0	%100
157	MP2C	X	.547	.547	0	%100
158	MP2C	Z	-.316	-.316	0	%100
159	MP3B	X	.547	.547	0	%100
160	MP3B	Z	-.316	-.316	0	%100
161	MP2B	X	.547	.547	0	%100
162	MP2B	Z	-.316	-.316	0	%100
163	MP1A	X	.547	.547	0	%100
164	MP1A	Z	-.316	-.316	0	%100
165	MP4A	X	.547	.547	0	%100
166	MP4A	Z	-.316	-.316	0	%100
167	MP1C	X	.547	.547	0	%100
168	MP1C	Z	-.316	-.316	0	%100
169	MP4C	X	.547	.547	0	%100
170	MP4C	Z	-.316	-.316	0	%100
171	MP1B	X	.547	.547	0	%100
172	MP1B	Z	-.316	-.316	0	%100
173	MP4B	X	.547	.547	0	%100
174	MP4B	Z	-.316	-.316	0	%100
175	M204A	X	1.416	1.416	0	%100
176	M204A	Z	-.817	-.817	0	%100
177	M205B	X	.354	.354	0	%100
178	M205B	Z	-.204	-.204	0	%100
179	M206	X	.166	.166	0	%100
180	M206	Z	-.096	-.096	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
181	M207	X	.662	.662	0	%100
182	M207	Z	-.382	-.382	0	%100
183	M208	X	.166	.166	0	%100
184	M208	Z	-.096	-.096	0	%100
185	M227	X	.819	.819	0	%100
186	M227	Z	-.473	-.473	0	%100
187	M228	X	.205	.205	0	%100
188	M228	Z	-.118	-.118	0	%100
189	M229	X	.205	.205	0	%100
190	M229	Z	-.118	-.118	0	%100
191	M231	X	.223	.223	0	%100
192	M231	Z	-.129	-.129	0	%100
193	M231A	X	.875	.875	0	%100
194	M231A	Z	-.505	-.505	0	%100
195	M232	X	.638	.638	0	%100
196	M232	Z	-.368	-.368	0	%100
197	M233	X	.638	.638	0	%100
198	M233	Z	-.368	-.368	0	%100
199	M234	X	.875	.875	0	%100
200	M234	Z	-.505	-.505	0	%100
201	M235	X	.223	.223	0	%100
202	M235	Z	-.129	-.129	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.645	.645	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	1.345	1.345	0	%100
4	M4	Z	0	0	0	%100
5	M5	X	1.345	1.345	0	%100
6	M5	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	.471	.471	0	%100
10	M19	Z	0	0	0	%100
11	M20	X	.471	.471	0	%100
12	M20	Z	0	0	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	0	0	0	%100
17	M28	X	1.075	1.075	0	%100
18	M28	Z	0	0	0	%100
19	M29	X	1.075	1.075	0	%100
20	M29	Z	0	0	0	%100
21	M27A	X	.471	.471	0	%100
22	M27A	Z	0	0	0	%100
23	M28A	X	.471	.471	0	%100
24	M28A	Z	0	0	0	%100
25	M29A	X	0	0	0	%100
26	M29A	Z	0	0	0	%100
27	M44	X	.166	.166	0	%100
28	M44	Z	0	0	0	%100
29	M47	X	2.66	2.66	0	%100
30	M47	Z	0	0	0	%100
31	M48	X	2.66	2.66	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
89	M129	X	.471	.471	0 %100
90	M129	Z	0	0	0 %100
91	M130	X	0	0	0 %100
92	M130	Z	0	0	0 %100
93	M131	X	.526	.526	0 %100
94	M131	Z	0	0	0 %100
95	M146	X	.524	.524	0 %100
96	M146	Z	0	0	0 %100
97	M149	X	1.239	1.239	0 %100
98	M149	Z	0	0	0 %100
99	M150	X	1.239	1.239	0 %100
100	M150	Z	0	0	0 %100
101	M153	X	.588	.588	0 %100
102	M153	Z	0	0	0 %100
103	M148A	X	0	0	0 %100
104	M148A	Z	0	0	0 %100
105	M151A	X	0	0	0 %100
106	M151A	Z	0	0	0 %100
107	M152A	X	1.729	1.729	0 %100
108	M152A	Z	0	0	0 %100
109	M154	X	.474	.474	0 %100
110	M154	Z	0	0	0 %100
111	M157	X	.474	.474	0 %100
112	M157	Z	0	0	0 %100
113	M166	X	0	0	0 %100
114	M166	Z	0	0	0 %100
115	M162A	X	1.729	1.729	0 %100
116	M162A	Z	0	0	0 %100
117	M163A	X	0	0	0 %100
118	M163A	Z	0	0	0 %100
119	M164A	X	.432	.432	0 %100
120	M164A	Z	0	0	0 %100
121	M165A	X	1.297	1.297	0 %100
122	M165A	Z	0	0	0 %100
123	M166A	X	.432	.432	0 %100
124	M166A	Z	0	0	0 %100
125	M167	X	1.297	1.297	0 %100
126	M167	Z	0	0	0 %100
127	M168	X	.432	.432	0 %100
128	M168	Z	0	0	0 %100
129	M169	X	1.297	1.297	0 %100
130	M169	Z	0	0	0 %100
131	M170	X	.432	.432	0 %100
132	M170	Z	0	0	0 %100
133	M171	X	1.297	1.297	0 %100
134	M171	Z	0	0	0 %100
135	M172	X	0	0	0 %100
136	M172	Z	0	0	0 %100
137	M173	X	.439	.439	0 %100
138	M173	Z	0	0	0 %100
139	M174	X	.439	.439	0 %100
140	M174	Z	0	0	0 %100
141	M175	X	0	0	0 %100
142	M175	Z	0	0	0 %100
143	M176	X	.474	.474	0 %100
144	M176	Z	0	0	0 %100
145	M177	X	.474	.474	0 %100



Company : Colliers Engineering & Design  
 Designer : CL  
 Job Number : Project No. 10206439  
 Model Name : 5000244828-VZW\_MT\_LO\_H

July 5, 2023  
 11:40 AM  
 Checked By: DX

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,.%]	End Location[ft,.%]
146	M177	Z	0	0	0 %100
147	M203	X	.517	.517	0 %100
148	M203	Z	0	0	0 %100
149	OVP	X	.632	.632	0 %100
150	OVP	Z	0	0	0 %100
151	MP3A	X	.632	.632	0 %100
152	MP3A	Z	0	0	0 %100
153	MP2A	X	.632	.632	0 %100
154	MP2A	Z	0	0	0 %100
155	MP3C	X	.632	.632	0 %100
156	MP3C	Z	0	0	0 %100
157	MP2C	X	.632	.632	0 %100
158	MP2C	Z	0	0	0 %100
159	MP3B	X	.632	.632	0 %100
160	MP3B	Z	0	0	0 %100
161	MP2B	X	.632	.632	0 %100
162	MP2B	Z	0	0	0 %100
163	MP1A	X	.632	.632	0 %100
164	MP1A	Z	0	0	0 %100
165	MP4A	X	.632	.632	0 %100
166	MP4A	Z	0	0	0 %100
167	MP1C	X	.632	.632	0 %100
168	MP1C	Z	0	0	0 %100
169	MP4C	X	.632	.632	0 %100
170	MP4C	Z	0	0	0 %100
171	MP1B	X	.632	.632	0 %100
172	MP1B	Z	0	0	0 %100
173	MP4B	X	.632	.632	0 %100
174	MP4B	Z	0	0	0 %100
175	M204A	X	1.226	1.226	0 %100
176	M204A	Z	0	0	0 %100
177	M205B	X	1.226	1.226	0 %100
178	M205B	Z	0	0	0 %100
179	M206	X	0	0	0 %100
180	M206	Z	0	0	0 %100
181	M207	X	.574	.574	0 %100
182	M207	Z	0	0	0 %100
183	M208	X	.574	.574	0 %100
184	M208	Z	0	0	0 %100
185	M227	X	.709	.709	0 %100
186	M227	Z	0	0	0 %100
187	M228	X	.709	.709	0 %100
188	M228	Z	0	0	0 %100
189	M229	X	0	0	0 %100
190	M229	Z	0	0	0 %100
191	M231	X	.6	.6	0 %100
192	M231	Z	0	0	0 %100
193	M231A	X	.6	.6	0 %100
194	M231A	Z	0	0	0 %100
195	M232	X	.326	.326	0 %100
196	M232	Z	0	0	0 %100
197	M233	X	1.079	1.079	0 %100
198	M233	Z	0	0	0 %100
199	M234	X	1.079	1.079	0 %100
200	M234	Z	0	0	0 %100
201	M235	X	.326	.326	0 %100
202	M235	Z	0	0	0 %100





**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	.419	.419	0	%100
2	M1	Z	.242	.242	0	%100
3	M4	X	.873	.873	0	%100
4	M4	Z	.504	.504	0	%100
5	M5	X	.873	.873	0	%100
6	M5	Z	.504	.504	0	%100
7	M18	X	.126	.126	0	%100
8	M18	Z	.073	.073	0	%100
9	M19	X	.544	.544	0	%100
10	M19	Z	.314	.314	0	%100
11	M20	X	.136	.136	0	%100
12	M20	Z	.079	.079	0	%100
13	M21	X	.152	.152	0	%100
14	M21	Z	.088	.088	0	%100
15	M22	X	.126	.126	0	%100
16	M22	Z	.073	.073	0	%100
17	M28	X	1.241	1.241	0	%100
18	M28	Z	.717	.717	0	%100
19	M29	X	.31	.31	0	%100
20	M29	Z	.179	.179	0	%100
21	M27A	X	.544	.544	0	%100
22	M27A	Z	.314	.314	0	%100
23	M28A	X	.136	.136	0	%100
24	M28A	Z	.079	.079	0	%100
25	M29A	X	.152	.152	0	%100
26	M29A	Z	.088	.088	0	%100
27	M44	X	.454	.454	0	%100
28	M44	Z	.262	.262	0	%100
29	M47	X	1.749	1.749	0	%100
30	M47	Z	1.01	1.01	0	%100
31	M48	X	1.749	1.749	0	%100
32	M48	Z	1.01	1.01	0	%100
33	M51	X	.17	.17	0	%100
34	M51	Z	.098	.098	0	%100
35	M52	X	.419	.419	0	%100
36	M52	Z	.242	.242	0	%100
37	M55	X	.873	.873	0	%100
38	M55	Z	.504	.504	0	%100
39	M56	X	.873	.873	0	%100
40	M56	Z	.504	.504	0	%100
41	M69	X	.126	.126	0	%100
42	M69	Z	.073	.073	0	%100
43	M70	X	.136	.136	0	%100
44	M70	Z	.079	.079	0	%100
45	M71	X	.544	.544	0	%100
46	M71	Z	.314	.314	0	%100
47	M72	X	.152	.152	0	%100
48	M72	Z	.088	.088	0	%100
49	M73	X	.126	.126	0	%100
50	M73	Z	.073	.073	0	%100
51	M76	X	.31	.31	0	%100
52	M76	Z	.179	.179	0	%100
53	M77	X	1.241	1.241	0	%100
54	M77	Z	.717	.717	0	%100
55	M78	X	.136	.136	0	%100
56	M78	Z	.079	.079	0	%100
57	M79	X	.544	.544	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
58	M79	Z	.314	.314	0 %100
59	M80	X	.152	.152	0 %100
60	M80	Z	.088	.088	0 %100
61	M95	X	1.073	1.073	0 %100
62	M95	Z	.619	.619	0 %100
63	M98	X	.454	.454	0 %100
64	M98	Z	.262	.262	0 %100
65	M99	X	.454	.454	0 %100
66	M99	Z	.262	.262	0 %100
67	M102	X	.17	.17	0 %100
68	M102	Z	.098	.098	0 %100
69	M103	X	0	0	0 %100
70	M103	Z	0	0	0 %100
71	M106	X	0	0	0 %100
72	M106	Z	0	0	0 %100
73	M107	X	0	0	0 %100
74	M107	Z	0	0	0 %100
75	M120	X	.503	.503	0 %100
76	M120	Z	.291	.291	0 %100
77	M121	X	.136	.136	0 %100
78	M121	Z	.079	.079	0 %100
79	M122	X	.136	.136	0 %100
80	M122	Z	.079	.079	0 %100
81	M123	X	.608	.608	0 %100
82	M123	Z	.351	.351	0 %100
83	M124	X	.503	.503	0 %100
84	M124	Z	.291	.291	0 %100
85	M127	X	.31	.31	0 %100
86	M127	Z	.179	.179	0 %100
87	M128	X	.31	.31	0 %100
88	M128	Z	.179	.179	0 %100
89	M129	X	.136	.136	0 %100
90	M129	Z	.079	.079	0 %100
91	M130	X	.136	.136	0 %100
92	M130	Z	.079	.079	0 %100
93	M131	X	.608	.608	0 %100
94	M131	Z	.351	.351	0 %100
95	M146	X	.144	.144	0 %100
96	M146	Z	.083	.083	0 %100
97	M149	X	1.382	1.382	0 %100
98	M149	Z	.798	.798	0 %100
99	M150	X	1.382	1.382	0 %100
100	M150	Z	.798	.798	0 %100
101	M153	X	.679	.679	0 %100
102	M153	Z	.392	.392	0 %100
103	M148A	X	.354	.354	0 %100
104	M148A	Z	.204	.204	0 %100
105	M151A	X	.137	.137	0 %100
106	M151A	Z	.079	.079	0 %100
107	M152A	X	1.123	1.123	0 %100
108	M152A	Z	.648	.648	0 %100
109	M154	X	.137	.137	0 %100
110	M154	Z	.079	.079	0 %100
111	M157	X	.547	.547	0 %100
112	M157	Z	.316	.316	0 %100
113	M166	X	.374	.374	0 %100
114	M166	Z	.216	.216	0 %100





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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
172	MP1B	Z	.316	.316	0	%100
173	MP4B	X	.547	.547	0	%100
174	MP4B	Z	.316	.316	0	%100
175	M204A	X	.354	.354	0	%100
176	M204A	Z	.204	.204	0	%100
177	M205B	X	1.416	1.416	0	%100
178	M205B	Z	.817	.817	0	%100
179	M206	X	.166	.166	0	%100
180	M206	Z	.096	.096	0	%100
181	M207	X	.166	.166	0	%100
182	M207	Z	.096	.096	0	%100
183	M208	X	.662	.662	0	%100
184	M208	Z	.382	.382	0	%100
185	M227	X	.205	.205	0	%100
186	M227	Z	.118	.118	0	%100
187	M228	X	.819	.819	0	%100
188	M228	Z	.473	.473	0	%100
189	M229	X	.205	.205	0	%100
190	M229	Z	.118	.118	0	%100
191	M231	X	.875	.875	0	%100
192	M231	Z	.505	.505	0	%100
193	M231A	X	.223	.223	0	%100
194	M231A	Z	.129	.129	0	%100
195	M232	X	.223	.223	0	%100
196	M232	Z	.129	.129	0	%100
197	M233	X	.875	.875	0	%100
198	M233	Z	.505	.505	0	%100
199	M234	X	.638	.638	0	%100
200	M234	Z	.368	.368	0	%100
201	M235	X	.638	.638	0	%100
202	M235	Z	.368	.368	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.081	.081	0	%100
2	M1	Z	.14	.14	0	%100
3	M4	X	.168	.168	0	%100
4	M4	Z	.291	.291	0	%100
5	M5	X	.168	.168	0	%100
6	M5	Z	.291	.291	0	%100
7	M18	X	.218	.218	0	%100
8	M18	Z	.378	.378	0	%100
9	M19	X	.236	.236	0	%100
10	M19	Z	.408	.408	0	%100
11	M20	X	0	0	0	%100
12	M20	Z	0	0	0	%100
13	M21	X	.263	.263	0	%100
14	M21	Z	.456	.456	0	%100
15	M22	X	.218	.218	0	%100
16	M22	Z	.378	.378	0	%100
17	M28	X	.538	.538	0	%100
18	M28	Z	.931	.931	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	0	0	0	%100
21	M27A	X	.236	.236	0	%100
22	M27A	Z	.408	.408	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
23	M28A	X	0	0	0	%100
24	M28A	Z	0	0	0	%100
25	M29A	X	.263	.263	0	%100
26	M29A	Z	.456	.456	0	%100
27	M44	X	.619	.619	0	%100
28	M44	Z	1.073	1.073	0	%100
29	M47	X	.37	.37	0	%100
30	M47	Z	.641	.641	0	%100
31	M48	X	.37	.37	0	%100
32	M48	Z	.641	.641	0	%100
33	M51	X	.294	.294	0	%100
34	M51	Z	.509	.509	0	%100
35	M52	X	.322	.322	0	%100
36	M52	Z	.558	.558	0	%100
37	M55	X	.672	.672	0	%100
38	M55	Z	1.165	1.165	0	%100
39	M56	X	.672	.672	0	%100
40	M56	Z	1.165	1.165	0	%100
41	M69	X	0	0	0	%100
42	M69	Z	0	0	0	%100
43	M70	X	.236	.236	0	%100
44	M70	Z	.408	.408	0	%100
45	M71	X	.236	.236	0	%100
46	M71	Z	.408	.408	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	0	0	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	0	0	0	%100
51	M76	X	.538	.538	0	%100
52	M76	Z	.931	.931	0	%100
53	M77	X	.538	.538	0	%100
54	M77	Z	.931	.931	0	%100
55	M78	X	.236	.236	0	%100
56	M78	Z	.408	.408	0	%100
57	M79	X	.236	.236	0	%100
58	M79	Z	.408	.408	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	0	0	0	%100
61	M95	X	.798	.798	0	%100
62	M95	Z	1.382	1.382	0	%100
63	M98	X	.083	.083	0	%100
64	M98	Z	.144	.144	0	%100
65	M99	X	.083	.083	0	%100
66	M99	Z	.144	.144	0	%100
67	M102	X	0	0	0	%100
68	M102	Z	0	0	0	%100
69	M103	X	.081	.081	0	%100
70	M103	Z	.14	.14	0	%100
71	M106	X	.168	.168	0	%100
72	M106	Z	.291	.291	0	%100
73	M107	X	.168	.168	0	%100
74	M107	Z	.291	.291	0	%100
75	M120	X	.218	.218	0	%100
76	M120	Z	.378	.378	0	%100
77	M121	X	0	0	0	%100
78	M121	Z	0	0	0	%100
79	M122	X	.236	.236	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
80	M122	Z	.408	.408	0 %100
81	M123	X	.263	.263	0 %100
82	M123	Z	.456	.456	0 %100
83	M124	X	.218	.218	0 %100
84	M124	Z	.378	.378	0 %100
85	M127	X	0	0	0 %100
86	M127	Z	0	0	0 %100
87	M128	X	.538	.538	0 %100
88	M128	Z	.931	.931	0 %100
89	M129	X	0	0	0 %100
90	M129	Z	0	0	0 %100
91	M130	X	.236	.236	0 %100
92	M130	Z	.408	.408	0 %100
93	M131	X	.263	.263	0 %100
94	M131	Z	.456	.456	0 %100
95	M146	X	.262	.262	0 %100
96	M146	Z	.454	.454	0 %100
97	M149	X	.619	.619	0 %100
98	M149	Z	1.073	1.073	0 %100
99	M150	X	.619	.619	0 %100
100	M150	Z	1.073	1.073	0 %100
101	M153	X	.294	.294	0 %100
102	M153	Z	.509	.509	0 %100
103	M148A	X	.613	.613	0 %100
104	M148A	Z	1.062	1.062	0 %100
105	M151A	X	.237	.237	0 %100
106	M151A	Z	.41	.41	0 %100
107	M152A	X	.216	.216	0 %100
108	M152A	Z	.374	.374	0 %100
109	M154	X	0	0	0 %100
110	M154	Z	0	0	0 %100
111	M157	X	.237	.237	0 %100
112	M157	Z	.41	.41	0 %100
113	M166	X	.648	.648	0 %100
114	M166	Z	1.123	1.123	0 %100
115	M162A	X	.216	.216	0 %100
116	M162A	Z	.374	.374	0 %100
117	M163A	X	.648	.648	0 %100
118	M163A	Z	1.123	1.123	0 %100
119	M164A	X	.865	.865	0 %100
120	M164A	Z	1.497	1.497	0 %100
121	M165A	X	0	0	0 %100
122	M165A	Z	0	0	0 %100
123	M166A	X	.865	.865	0 %100
124	M166A	Z	1.497	1.497	0 %100
125	M167	X	0	0	0 %100
126	M167	Z	0	0	0 %100
127	M168	X	.216	.216	0 %100
128	M168	Z	.374	.374	0 %100
129	M169	X	.648	.648	0 %100
130	M169	Z	1.123	1.123	0 %100
131	M170	X	.216	.216	0 %100
132	M170	Z	.374	.374	0 %100
133	M171	X	.648	.648	0 %100
134	M171	Z	1.123	1.123	0 %100
135	M172	X	.22	.22	0 %100
136	M172	Z	.38	.38	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]	
137	M173	X	0	0	0	%100
138	M173	Z	0	0	0	%100
139	M174	X	.22	.22	0	%100
140	M174	Z	.38	.38	0	%100
141	M175	X	.237	.237	0	%100
142	M175	Z	.41	.41	0	%100
143	M176	X	0	0	0	%100
144	M176	Z	0	0	0	%100
145	M177	X	.237	.237	0	%100
146	M177	Z	.41	.41	0	%100
147	M203	X	.258	.258	0	%100
148	M203	Z	.447	.447	0	%100
149	OVP	X	.316	.316	0	%100
150	OVP	Z	.547	.547	0	%100
151	MP3A	X	.316	.316	0	%100
152	MP3A	Z	.547	.547	0	%100
153	MP2A	X	.316	.316	0	%100
154	MP2A	Z	.547	.547	0	%100
155	MP3C	X	.316	.316	0	%100
156	MP3C	Z	.547	.547	0	%100
157	MP2C	X	.316	.316	0	%100
158	MP2C	Z	.547	.547	0	%100
159	MP3B	X	.316	.316	0	%100
160	MP3B	Z	.547	.547	0	%100
161	MP2B	X	.316	.316	0	%100
162	MP2B	Z	.547	.547	0	%100
163	MP1A	X	.316	.316	0	%100
164	MP1A	Z	.547	.547	0	%100
165	MP4A	X	.316	.316	0	%100
166	MP4A	Z	.547	.547	0	%100
167	MP1C	X	.316	.316	0	%100
168	MP1C	Z	.547	.547	0	%100
169	MP4C	X	.316	.316	0	%100
170	MP4C	Z	.547	.547	0	%100
171	MP1B	X	.316	.316	0	%100
172	MP1B	Z	.547	.547	0	%100
173	MP4B	X	.316	.316	0	%100
174	MP4B	Z	.547	.547	0	%100
175	M204A	X	0	0	0	%100
176	M204A	Z	0	0	0	%100
177	M205B	X	.613	.613	0	%100
178	M205B	Z	1.062	1.062	0	%100
179	M206	X	.287	.287	0	%100
180	M206	Z	.497	.497	0	%100
181	M207	X	0	0	0	%100
182	M207	Z	0	0	0	%100
183	M208	X	.287	.287	0	%100
184	M208	Z	.497	.497	0	%100
185	M227	X	0	0	0	%100
186	M227	Z	0	0	0	%100
187	M228	X	.355	.355	0	%100
188	M228	Z	.614	.614	0	%100
189	M229	X	.355	.355	0	%100
190	M229	Z	.614	.614	0	%100
191	M231	X	.539	.539	0	%100
192	M231	Z	.934	.934	0	%100
193	M231A	X	.163	.163	0	%100





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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
194	M231A	Z	.282	.282	0	%100
195	M232	X	.3	.3	0	%100
196	M232	Z	.52	.52	0	%100
197	M233	X	.3	.3	0	%100
198	M233	Z	.52	.52	0	%100
199	M234	X	.163	.163	0	%100
200	M234	Z	.282	.282	0	%100
201	M235	X	.539	.539	0	%100
202	M235	Z	.934	.934	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	.581	.581	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	.157	.157	0	%100
11	M20	X	0	0	0	%100
12	M20	Z	.157	.157	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	.702	.702	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	.581	.581	0	%100
17	M28	X	0	0	0	%100
18	M28	Z	.358	.358	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	.358	.358	0	%100
21	M27A	X	0	0	0	%100
22	M27A	Z	.157	.157	0	%100
23	M28A	X	0	0	0	%100
24	M28A	Z	.157	.157	0	%100
25	M29A	X	0	0	0	%100
26	M29A	Z	.702	.702	0	%100
27	M44	X	0	0	0	%100
28	M44	Z	1.596	1.596	0	%100
29	M47	X	0	0	0	%100
30	M47	Z	.1	.1	0	%100
31	M48	X	0	0	0	%100
32	M48	Z	.1	.1	0	%100
33	M51	X	0	0	0	%100
34	M51	Z	.784	.784	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	.484	.484	0	%100
37	M55	X	0	0	0	%100
38	M55	Z	1.009	1.009	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	1.009	1.009	0	%100
41	M69	X	0	0	0	%100
42	M69	Z	.145	.145	0	%100
43	M70	X	0	0	0	%100
44	M70	Z	.628	.628	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
45	M71	X	0	0	%100
46	M71	Z	.157	.157	%100
47	M72	X	0	0	%100
48	M72	Z	.175	.175	%100
49	M73	X	0	0	%100
50	M73	Z	.145	.145	%100
51	M76	X	0	0	%100
52	M76	Z	1.433	1.433	%100
53	M77	X	0	0	%100
54	M77	Z	.358	.358	%100
55	M78	X	0	0	%100
56	M78	Z	.628	.628	%100
57	M79	X	0	0	%100
58	M79	Z	.157	.157	%100
59	M80	X	0	0	%100
60	M80	Z	.175	.175	%100
61	M95	X	0	0	%100
62	M95	Z	1.239	1.239	%100
63	M98	X	0	0	%100
64	M98	Z	.524	.524	%100
65	M99	X	0	0	%100
66	M99	Z	.524	.524	%100
67	M102	X	0	0	%100
68	M102	Z	.196	.196	%100
69	M103	X	0	0	%100
70	M103	Z	.484	.484	%100
71	M106	X	0	0	%100
72	M106	Z	1.009	1.009	%100
73	M107	X	0	0	%100
74	M107	Z	1.009	1.009	%100
75	M120	X	0	0	%100
76	M120	Z	.145	.145	%100
77	M121	X	0	0	%100
78	M121	Z	.157	.157	%100
79	M122	X	0	0	%100
80	M122	Z	.628	.628	%100
81	M123	X	0	0	%100
82	M123	Z	.175	.175	%100
83	M124	X	0	0	%100
84	M124	Z	.145	.145	%100
85	M127	X	0	0	%100
86	M127	Z	.358	.358	%100
87	M128	X	0	0	%100
88	M128	Z	1.433	1.433	%100
89	M129	X	0	0	%100
90	M129	Z	.157	.157	%100
91	M130	X	0	0	%100
92	M130	Z	.628	.628	%100
93	M131	X	0	0	%100
94	M131	Z	.175	.175	%100
95	M146	X	0	0	%100
96	M146	Z	1.239	1.239	%100
97	M149	X	0	0	%100
98	M149	Z	.524	.524	%100
99	M150	X	0	0	%100
100	M150	Z	.524	.524	%100
101	M153	X	0	0	%100





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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
159	MP3B	X	0	0	0	%100
160	MP3B	Z	.632	.632	0	%100
161	MP2B	X	0	0	0	%100
162	MP2B	Z	.632	.632	0	%100
163	MP1A	X	0	0	0	%100
164	MP1A	Z	.632	.632	0	%100
165	MP4A	X	0	0	0	%100
166	MP4A	Z	.632	.632	0	%100
167	MP1C	X	0	0	0	%100
168	MP1C	Z	.632	.632	0	%100
169	MP4C	X	0	0	0	%100
170	MP4C	Z	.632	.632	0	%100
171	MP1B	X	0	0	0	%100
172	MP1B	Z	.632	.632	0	%100
173	MP4B	X	0	0	0	%100
174	MP4B	Z	.632	.632	0	%100
175	M204A	X	0	0	0	%100
176	M204A	Z	.409	.409	0	%100
177	M205B	X	0	0	0	%100
178	M205B	Z	.409	.409	0	%100
179	M206	X	0	0	0	%100
180	M206	Z	.765	.765	0	%100
181	M207	X	0	0	0	%100
182	M207	Z	.191	.191	0	%100
183	M208	X	0	0	0	%100
184	M208	Z	.191	.191	0	%100
185	M227	X	0	0	0	%100
186	M227	Z	.236	.236	0	%100
187	M228	X	0	0	0	%100
188	M228	Z	.236	.236	0	%100
189	M229	X	0	0	0	%100
190	M229	Z	.946	.946	0	%100
191	M231	X	0	0	0	%100
192	M231	Z	.737	.737	0	%100
193	M231A	X	0	0	0	%100
194	M231A	Z	.737	.737	0	%100
195	M232	X	0	0	0	%100
196	M232	Z	1.011	1.011	0	%100
197	M233	X	0	0	0	%100
198	M233	Z	.258	.258	0	%100
199	M234	X	0	0	0	%100
200	M234	Z	.258	.258	0	%100
201	M235	X	0	0	0	%100
202	M235	Z	1.011	1.011	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	-.081	-.081	0	%100
2	M1	Z	.14	.14	0	%100
3	M4	X	-.168	-.168	0	%100
4	M4	Z	.291	.291	0	%100
5	M5	X	-.168	-.168	0	%100
6	M5	Z	.291	.291	0	%100
7	M18	X	-.218	-.218	0	%100
8	M18	Z	.378	.378	0	%100
9	M19	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
10	M19	Z	0	0	0	%100
11	M20	X	-.236	-.236	0	%100
12	M20	Z	.408	.408	0	%100
13	M21	X	-.263	-.263	0	%100
14	M21	Z	.456	.456	0	%100
15	M22	X	-.218	-.218	0	%100
16	M22	Z	.378	.378	0	%100
17	M28	X	0	0	0	%100
18	M28	Z	0	0	0	%100
19	M29	X	-.538	-.538	0	%100
20	M29	Z	.931	.931	0	%100
21	M27A	X	0	0	0	%100
22	M27A	Z	0	0	0	%100
23	M28A	X	-.236	-.236	0	%100
24	M28A	Z	.408	.408	0	%100
25	M29A	X	-.263	-.263	0	%100
26	M29A	Z	.456	.456	0	%100
27	M44	X	-.619	-.619	0	%100
28	M44	Z	1.073	1.073	0	%100
29	M47	X	-.37	-.37	0	%100
30	M47	Z	.641	.641	0	%100
31	M48	X	-.37	-.37	0	%100
32	M48	Z	.641	.641	0	%100
33	M51	X	-.294	-.294	0	%100
34	M51	Z	.509	.509	0	%100
35	M52	X	-.081	-.081	0	%100
36	M52	Z	.14	.14	0	%100
37	M55	X	-.168	-.168	0	%100
38	M55	Z	.291	.291	0	%100
39	M56	X	-.168	-.168	0	%100
40	M56	Z	.291	.291	0	%100
41	M69	X	-.218	-.218	0	%100
42	M69	Z	.378	.378	0	%100
43	M70	X	-.236	-.236	0	%100
44	M70	Z	.408	.408	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	-.263	-.263	0	%100
48	M72	Z	.456	.456	0	%100
49	M73	X	-.218	-.218	0	%100
50	M73	Z	.378	.378	0	%100
51	M76	X	-.538	-.538	0	%100
52	M76	Z	.931	.931	0	%100
53	M77	X	0	0	0	%100
54	M77	Z	0	0	0	%100
55	M78	X	-.236	-.236	0	%100
56	M78	Z	.408	.408	0	%100
57	M79	X	0	0	0	%100
58	M79	Z	0	0	0	%100
59	M80	X	-.263	-.263	0	%100
60	M80	Z	.456	.456	0	%100
61	M95	X	-.262	-.262	0	%100
62	M95	Z	.454	.454	0	%100
63	M98	X	-.619	-.619	0	%100
64	M98	Z	1.073	1.073	0	%100
65	M99	X	-.619	-.619	0	%100
66	M99	Z	1.073	1.073	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
67	M102	X	-.294	-.294	0 %100
68	M102	Z	.509	.509	0 %100
69	M103	X	-.322	-.322	0 %100
70	M103	Z	.558	.558	0 %100
71	M106	X	-.672	-.672	0 %100
72	M106	Z	1.165	1.165	0 %100
73	M107	X	-.672	-.672	0 %100
74	M107	Z	1.165	1.165	0 %100
75	M120	X	0	0	0 %100
76	M120	Z	0	0	0 %100
77	M121	X	-.236	-.236	0 %100
78	M121	Z	.408	.408	0 %100
79	M122	X	-.236	-.236	0 %100
80	M122	Z	.408	.408	0 %100
81	M123	X	0	0	0 %100
82	M123	Z	0	0	0 %100
83	M124	X	0	0	0 %100
84	M124	Z	0	0	0 %100
85	M127	X	-.538	-.538	0 %100
86	M127	Z	.931	.931	0 %100
87	M128	X	-.538	-.538	0 %100
88	M128	Z	.931	.931	0 %100
89	M129	X	-.236	-.236	0 %100
90	M129	Z	.408	.408	0 %100
91	M130	X	-.236	-.236	0 %100
92	M130	Z	.408	.408	0 %100
93	M131	X	0	0	0 %100
94	M131	Z	0	0	0 %100
95	M146	X	-.798	-.798	0 %100
96	M146	Z	1.382	1.382	0 %100
97	M149	X	-.083	-.083	0 %100
98	M149	Z	.144	.144	0 %100
99	M150	X	-.083	-.083	0 %100
100	M150	Z	.144	.144	0 %100
101	M153	X	0	0	0 %100
102	M153	Z	0	0	0 %100
103	M148A	X	-.613	-.613	0 %100
104	M148A	Z	1.062	1.062	0 %100
105	M151A	X	-.237	-.237	0 %100
106	M151A	Z	.41	.41	0 %100
107	M152A	X	-.216	-.216	0 %100
108	M152A	Z	.374	.374	0 %100
109	M154	X	-.237	-.237	0 %100
110	M154	Z	.41	.41	0 %100
111	M157	X	0	0	0 %100
112	M157	Z	0	0	0 %100
113	M166	X	-.648	-.648	0 %100
114	M166	Z	1.123	1.123	0 %100
115	M162A	X	-.216	-.216	0 %100
116	M162A	Z	.374	.374	0 %100
117	M163A	X	-.648	-.648	0 %100
118	M163A	Z	1.123	1.123	0 %100
119	M164A	X	-.216	-.216	0 %100
120	M164A	Z	.374	.374	0 %100
121	M165A	X	-.648	-.648	0 %100
122	M165A	Z	1.123	1.123	0 %100
123	M166A	X	-.216	-.216	0 %100







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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
181	M207	X	-.287	-.287	0	%100
182	M207	Z	.497	.497	0	%100
183	M208	X	0	0	0	%100
184	M208	Z	0	0	0	%100
185	M227	X	-.355	-.355	0	%100
186	M227	Z	.614	.614	0	%100
187	M228	X	0	0	0	%100
188	M228	Z	0	0	0	%100
189	M229	X	-.355	-.355	0	%100
190	M229	Z	.614	.614	0	%100
191	M231	X	-.163	-.163	0	%100
192	M231	Z	.282	.282	0	%100
193	M231A	X	-.539	-.539	0	%100
194	M231A	Z	.934	.934	0	%100
195	M232	X	-.539	-.539	0	%100
196	M232	Z	.934	.934	0	%100
197	M233	X	-.163	-.163	0	%100
198	M233	Z	.282	.282	0	%100
199	M234	X	-.3	-.3	0	%100
200	M234	Z	.52	.52	0	%100
201	M235	X	-.3	-.3	0	%100
202	M235	Z	.52	.52	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-.419	-.419	0	%100
2	M1	Z	.242	.242	0	%100
3	M4	X	-.873	-.873	0	%100
4	M4	Z	.504	.504	0	%100
5	M5	X	-.873	-.873	0	%100
6	M5	Z	.504	.504	0	%100
7	M18	X	-.126	-.126	0	%100
8	M18	Z	.073	.073	0	%100
9	M19	X	-.136	-.136	0	%100
10	M19	Z	.079	.079	0	%100
11	M20	X	-.544	-.544	0	%100
12	M20	Z	.314	.314	0	%100
13	M21	X	-.152	-.152	0	%100
14	M21	Z	.088	.088	0	%100
15	M22	X	-.126	-.126	0	%100
16	M22	Z	.073	.073	0	%100
17	M28	X	-.31	-.31	0	%100
18	M28	Z	.179	.179	0	%100
19	M29	X	-1.241	-1.241	0	%100
20	M29	Z	.717	.717	0	%100
21	M27A	X	-.136	-.136	0	%100
22	M27A	Z	.079	.079	0	%100
23	M28A	X	-.544	-.544	0	%100
24	M28A	Z	.314	.314	0	%100
25	M29A	X	-.152	-.152	0	%100
26	M29A	Z	.088	.088	0	%100
27	M44	X	-.454	-.454	0	%100
28	M44	Z	.262	.262	0	%100
29	M47	X	-1.749	-1.749	0	%100
30	M47	Z	1.01	1.01	0	%100
31	M48	X	-1.749	-1.749	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
32	M48	Z	1.01	1.01	0 %100
33	M51	X	-.17	-.17	0 %100
34	M51	Z	.098	.098	0 %100
35	M52	X	0	0	0 %100
36	M52	Z	0	0	0 %100
37	M55	X	0	0	0 %100
38	M55	Z	0	0	0 %100
39	M56	X	0	0	0 %100
40	M56	Z	0	0	0 %100
41	M69	X	-.503	-.503	0 %100
42	M69	Z	.291	.291	0 %100
43	M70	X	-.136	-.136	0 %100
44	M70	Z	.079	.079	0 %100
45	M71	X	-.136	-.136	0 %100
46	M71	Z	.079	.079	0 %100
47	M72	X	-.608	-.608	0 %100
48	M72	Z	.351	.351	0 %100
49	M73	X	-.503	-.503	0 %100
50	M73	Z	.291	.291	0 %100
51	M76	X	-.31	-.31	0 %100
52	M76	Z	.179	.179	0 %100
53	M77	X	-.31	-.31	0 %100
54	M77	Z	.179	.179	0 %100
55	M78	X	-.136	-.136	0 %100
56	M78	Z	.079	.079	0 %100
57	M79	X	-.136	-.136	0 %100
58	M79	Z	.079	.079	0 %100
59	M80	X	-.608	-.608	0 %100
60	M80	Z	.351	.351	0 %100
61	M95	X	-.144	-.144	0 %100
62	M95	Z	.083	.083	0 %100
63	M98	X	-1.382	-1.382	0 %100
64	M98	Z	.798	.798	0 %100
65	M99	X	-1.382	-1.382	0 %100
66	M99	Z	.798	.798	0 %100
67	M102	X	-.679	-.679	0 %100
68	M102	Z	.392	.392	0 %100
69	M103	X	-.419	-.419	0 %100
70	M103	Z	.242	.242	0 %100
71	M106	X	-.873	-.873	0 %100
72	M106	Z	.504	.504	0 %100
73	M107	X	-.873	-.873	0 %100
74	M107	Z	.504	.504	0 %100
75	M120	X	-.126	-.126	0 %100
76	M120	Z	.073	.073	0 %100
77	M121	X	-.544	-.544	0 %100
78	M121	Z	.314	.314	0 %100
79	M122	X	-.136	-.136	0 %100
80	M122	Z	.079	.079	0 %100
81	M123	X	-.152	-.152	0 %100
82	M123	Z	.088	.088	0 %100
83	M124	X	-.126	-.126	0 %100
84	M124	Z	.073	.073	0 %100
85	M127	X	-1.241	-1.241	0 %100
86	M127	Z	.717	.717	0 %100
87	M128	X	-.31	-.31	0 %100
88	M128	Z	.179	.179	0 %100





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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
146	M177	Z	.079	.079	0 %100
147	M203	X	-.447	-.447	0 %100
148	M203	Z	.258	.258	0 %100
149	OVP	X	-.547	-.547	0 %100
150	OVP	Z	.316	.316	0 %100
151	MP3A	X	-.547	-.547	0 %100
152	MP3A	Z	.316	.316	0 %100
153	MP2A	X	-.547	-.547	0 %100
154	MP2A	Z	.316	.316	0 %100
155	MP3C	X	-.547	-.547	0 %100
156	MP3C	Z	.316	.316	0 %100
157	MP2C	X	-.547	-.547	0 %100
158	MP2C	Z	.316	.316	0 %100
159	MP3B	X	-.547	-.547	0 %100
160	MP3B	Z	.316	.316	0 %100
161	MP2B	X	-.547	-.547	0 %100
162	MP2B	Z	.316	.316	0 %100
163	MP1A	X	-.547	-.547	0 %100
164	MP1A	Z	.316	.316	0 %100
165	MP4A	X	-.547	-.547	0 %100
166	MP4A	Z	.316	.316	0 %100
167	MP1C	X	-.547	-.547	0 %100
168	MP1C	Z	.316	.316	0 %100
169	MP4C	X	-.547	-.547	0 %100
170	MP4C	Z	.316	.316	0 %100
171	MP1B	X	-.547	-.547	0 %100
172	MP1B	Z	.316	.316	0 %100
173	MP4B	X	-.547	-.547	0 %100
174	MP4B	Z	.316	.316	0 %100
175	M204A	X	-1.416	-1.416	0 %100
176	M204A	Z	.817	.817	0 %100
177	M205B	X	-.354	-.354	0 %100
178	M205B	Z	.204	.204	0 %100
179	M206	X	-.166	-.166	0 %100
180	M206	Z	.096	.096	0 %100
181	M207	X	-.662	-.662	0 %100
182	M207	Z	.382	.382	0 %100
183	M208	X	-.166	-.166	0 %100
184	M208	Z	.096	.096	0 %100
185	M227	X	-.819	-.819	0 %100
186	M227	Z	.473	.473	0 %100
187	M228	X	-.205	-.205	0 %100
188	M228	Z	.118	.118	0 %100
189	M229	X	-.205	-.205	0 %100
190	M229	Z	.118	.118	0 %100
191	M231	X	-.223	-.223	0 %100
192	M231	Z	.129	.129	0 %100
193	M231A	X	-.875	-.875	0 %100
194	M231A	Z	.505	.505	0 %100
195	M232	X	-.638	-.638	0 %100
196	M232	Z	.368	.368	0 %100
197	M233	X	-.638	-.638	0 %100
198	M233	Z	.368	.368	0 %100
199	M234	X	-.875	-.875	0 %100
200	M234	Z	.505	.505	0 %100
201	M235	X	-.223	-.223	0 %100
202	M235	Z	.129	.129	0 %100

















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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
137	M173	X	-127	-127	0 %100
138	M173	Z	-073	-073	0 %100
139	M174	X	-507	-507	0 %100
140	M174	Z	-293	-293	0 %100
141	M175	X	-137	-137	0 %100
142	M175	Z	-079	-079	0 %100
143	M176	X	-137	-137	0 %100
144	M176	Z	-079	-079	0 %100
145	M177	X	-547	-547	0 %100
146	M177	Z	-316	-316	0 %100
147	M203	X	-447	-447	0 %100
148	M203	Z	-258	-258	0 %100
149	OVP	X	-547	-547	0 %100
150	OVP	Z	-316	-316	0 %100
151	MP3A	X	-547	-547	0 %100
152	MP3A	Z	-316	-316	0 %100
153	MP2A	X	-547	-547	0 %100
154	MP2A	Z	-316	-316	0 %100
155	MP3C	X	-547	-547	0 %100
156	MP3C	Z	-316	-316	0 %100
157	MP2C	X	-547	-547	0 %100
158	MP2C	Z	-316	-316	0 %100
159	MP3B	X	-547	-547	0 %100
160	MP3B	Z	-316	-316	0 %100
161	MP2B	X	-547	-547	0 %100
162	MP2B	Z	-316	-316	0 %100
163	MP1A	X	-547	-547	0 %100
164	MP1A	Z	-316	-316	0 %100
165	MP4A	X	-547	-547	0 %100
166	MP4A	Z	-316	-316	0 %100
167	MP1C	X	-547	-547	0 %100
168	MP1C	Z	-316	-316	0 %100
169	MP4C	X	-547	-547	0 %100
170	MP4C	Z	-316	-316	0 %100
171	MP1B	X	-547	-547	0 %100
172	MP1B	Z	-316	-316	0 %100
173	MP4B	X	-547	-547	0 %100
174	MP4B	Z	-316	-316	0 %100
175	M204A	X	-354	-354	0 %100
176	M204A	Z	-204	-204	0 %100
177	M205B	X	-1.416	-1.416	0 %100
178	M205B	Z	-817	-817	0 %100
179	M206	X	-166	-166	0 %100
180	M206	Z	-096	-096	0 %100
181	M207	X	-166	-166	0 %100
182	M207	Z	-096	-096	0 %100
183	M208	X	-662	-662	0 %100
184	M208	Z	-382	-382	0 %100
185	M227	X	-205	-205	0 %100
186	M227	Z	-118	-118	0 %100
187	M228	X	-819	-819	0 %100
188	M228	Z	-473	-473	0 %100
189	M229	X	-205	-205	0 %100
190	M229	Z	-118	-118	0 %100
191	M231	X	-875	-875	0 %100
192	M231	Z	-505	-505	0 %100
193	M231A	X	-223	-223	0 %100





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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
45	M71	X	-.236	-.236	0 %100
46	M71	Z	-.408	-.408	0 %100
47	M72	X	0	0	0 %100
48	M72	Z	0	0	0 %100
49	M73	X	0	0	0 %100
50	M73	Z	0	0	0 %100
51	M76	X	-.538	-.538	0 %100
52	M76	Z	-.931	-.931	0 %100
53	M77	X	-.538	-.538	0 %100
54	M77	Z	-.931	-.931	0 %100
55	M78	X	-.236	-.236	0 %100
56	M78	Z	-.408	-.408	0 %100
57	M79	X	-.236	-.236	0 %100
58	M79	Z	-.408	-.408	0 %100
59	M80	X	0	0	0 %100
60	M80	Z	0	0	0 %100
61	M95	X	-.798	-.798	0 %100
62	M95	Z	-1.382	-1.382	0 %100
63	M98	X	-.083	-.083	0 %100
64	M98	Z	-.144	-.144	0 %100
65	M99	X	-.083	-.083	0 %100
66	M99	Z	-.144	-.144	0 %100
67	M102	X	0	0	0 %100
68	M102	Z	0	0	0 %100
69	M103	X	-.081	-.081	0 %100
70	M103	Z	-.14	-.14	0 %100
71	M106	X	-.168	-.168	0 %100
72	M106	Z	-.291	-.291	0 %100
73	M107	X	-.168	-.168	0 %100
74	M107	Z	-.291	-.291	0 %100
75	M120	X	-.218	-.218	0 %100
76	M120	Z	-.378	-.378	0 %100
77	M121	X	0	0	0 %100
78	M121	Z	0	0	0 %100
79	M122	X	-.236	-.236	0 %100
80	M122	Z	-.408	-.408	0 %100
81	M123	X	-.263	-.263	0 %100
82	M123	Z	-.456	-.456	0 %100
83	M124	X	-.218	-.218	0 %100
84	M124	Z	-.378	-.378	0 %100
85	M127	X	0	0	0 %100
86	M127	Z	0	0	0 %100
87	M128	X	-.538	-.538	0 %100
88	M128	Z	-.931	-.931	0 %100
89	M129	X	0	0	0 %100
90	M129	Z	0	0	0 %100
91	M130	X	-.236	-.236	0 %100
92	M130	Z	-.408	-.408	0 %100
93	M131	X	-.263	-.263	0 %100
94	M131	Z	-.456	-.456	0 %100
95	M146	X	-.262	-.262	0 %100
96	M146	Z	-.454	-.454	0 %100
97	M149	X	-.619	-.619	0 %100
98	M149	Z	-1.073	-1.073	0 %100
99	M150	X	-.619	-.619	0 %100
100	M150	Z	-1.073	-1.073	0 %100
101	M153	X	-.294	-.294	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
102	M153	Z	-509	-509	0	%100
103	M148A	X	-613	-613	0	%100
104	M148A	Z	-1.062	-1.062	0	%100
105	M151A	X	-.237	-.237	0	%100
106	M151A	Z	-.41	-.41	0	%100
107	M152A	X	-.216	-.216	0	%100
108	M152A	Z	-.374	-.374	0	%100
109	M154	X	0	0	0	%100
110	M154	Z	0	0	0	%100
111	M157	X	-.237	-.237	0	%100
112	M157	Z	-.41	-.41	0	%100
113	M166	X	-.648	-.648	0	%100
114	M166	Z	-1.123	-1.123	0	%100
115	M162A	X	-.216	-.216	0	%100
116	M162A	Z	-.374	-.374	0	%100
117	M163A	X	-.648	-.648	0	%100
118	M163A	Z	-1.123	-1.123	0	%100
119	M164A	X	-.865	-.865	0	%100
120	M164A	Z	-1.497	-1.497	0	%100
121	M165A	X	0	0	0	%100
122	M165A	Z	0	0	0	%100
123	M166A	X	-.865	-.865	0	%100
124	M166A	Z	-1.497	-1.497	0	%100
125	M167	X	0	0	0	%100
126	M167	Z	0	0	0	%100
127	M168	X	-.216	-.216	0	%100
128	M168	Z	-.374	-.374	0	%100
129	M169	X	-.648	-.648	0	%100
130	M169	Z	-1.123	-1.123	0	%100
131	M170	X	-.216	-.216	0	%100
132	M170	Z	-.374	-.374	0	%100
133	M171	X	-.648	-.648	0	%100
134	M171	Z	-1.123	-1.123	0	%100
135	M172	X	-.22	-.22	0	%100
136	M172	Z	-.38	-.38	0	%100
137	M173	X	0	0	0	%100
138	M173	Z	0	0	0	%100
139	M174	X	-.22	-.22	0	%100
140	M174	Z	-.38	-.38	0	%100
141	M175	X	-.237	-.237	0	%100
142	M175	Z	-.41	-.41	0	%100
143	M176	X	0	0	0	%100
144	M176	Z	0	0	0	%100
145	M177	X	-.237	-.237	0	%100
146	M177	Z	-.41	-.41	0	%100
147	M203	X	-.258	-.258	0	%100
148	M203	Z	-.447	-.447	0	%100
149	OVP	X	-.316	-.316	0	%100
150	OVP	Z	-.547	-.547	0	%100
151	MP3A	X	-.316	-.316	0	%100
152	MP3A	Z	-.547	-.547	0	%100
153	MP2A	X	-.316	-.316	0	%100
154	MP2A	Z	-.547	-.547	0	%100
155	MP3C	X	-.316	-.316	0	%100
156	MP3C	Z	-.547	-.547	0	%100
157	MP2C	X	-.316	-.316	0	%100
158	MP2C	Z	-.547	-.547	0	%100







**Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
10	M177	Y	-7.133	-5.29	2.377	3.307
11	M177	Y	-5.29	-3.163	3.307	4.237
12	M177	Y	-3.163	-.784	4.237	5.167
13	M151A	Y	-.073	-1.576	3.1	3.617
14	M151A	Y	-1.576	-5.464	3.617	4.133
15	M151A	Y	-5.464	-7.269	4.133	4.65
16	M151A	Y	-7.269	-6.109	4.65	5.167
17	M172	Y	-11.352	-8.807	0	.833
18	M172	Y	-8.807	-7.191	.833	1.667
19	M172	Y	-7.191	-7.192	1.667	2.5
20	M172	Y	-7.192	-9.295	2.5	3.333
21	M172	Y	-9.295	-12.813	3.333	4.167
22	M175	Y	-3.84	-6.577	0	.517
23	M175	Y	-6.577	-5.564	.517	1.033
24	M175	Y	-5.564	-1.677	1.033	1.55
25	M175	Y	-1.677	-.171	1.55	2.067
26	M152A	Y	-.592	-.592	0	.477
27	M175	Y	-1.342	-5.807	.517	1.447
28	M175	Y	-5.807	-7.133	1.447	2.377
29	M175	Y	-7.133	-5.29	2.377	3.307
30	M175	Y	-5.29	-3.163	3.307	4.237
31	M175	Y	-3.163	-.784	4.237	5.167
32	M154	Y	-.784	-3.163	0	.93
33	M154	Y	-3.163	-5.29	.93	1.86
34	M154	Y	-5.29	-7.133	1.86	2.79
35	M154	Y	-7.133	-5.807	2.79	3.72
36	M154	Y	-5.807	-1.342	3.72	4.65
37	M166A	Y	-.592	-.592	0	.477
38	M154	Y	-.072	-1.578	3.1	3.617
39	M154	Y	-1.578	-5.465	3.617	4.133
40	M154	Y	-5.465	-7.268	4.133	4.65
41	M154	Y	-7.268	-6.11	4.65	5.167
42	M173	Y	-11.345	-8.805	0	.833
43	M173	Y	-8.805	-7.192	.833	1.667
44	M173	Y	-7.192	-7.191	1.667	2.5
45	M173	Y	-7.191	-9.296	2.5	3.333
46	M173	Y	-9.296	-12.82	3.333	4.167
47	M176	Y	-3.841	-6.579	0	.517
48	M176	Y	-6.579	-5.563	.517	1.033
49	M176	Y	-5.563	-1.674	1.033	1.55
50	M176	Y	-1.674	-.171	1.55	2.067
51	M164A	Y	-.592	-.592	0	.477
52	M176	Y	-1.342	-5.807	.517	1.447
53	M176	Y	-5.807	-7.133	1.447	2.377
54	M176	Y	-7.133	-5.29	2.377	3.307
55	M176	Y	-5.29	-3.163	3.307	4.237
56	M176	Y	-3.163	-.784	4.237	5.167
57	M157	Y	-.784	-3.163	0	.93
58	M157	Y	-3.163	-5.29	.93	1.86
59	M157	Y	-5.29	-7.133	1.86	2.79
60	M157	Y	-7.133	-5.807	2.79	3.72
61	M157	Y	-5.807	-1.342	3.72	4.65
62	M170	Y	-.592	-.592	0	.477
63	M157	Y	-.072	-1.578	3.1	3.617
64	M157	Y	-1.578	-5.465	3.617	4.133
65	M157	Y	-5.465	-7.268	4.133	4.65
66	M157	Y	-7.268	-6.11	4.65	5.167





**Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
45	M164A	Y	-1.149	-1.149	0	.477
46	M176	Y	-2.604	-11.267	.517	1.447
47	M176	Y	-11.267	-13.839	1.447	2.377
48	M176	Y	-13.839	-10.263	2.377	3.307
49	M176	Y	-10.263	-6.137	3.307	4.237
50	M176	Y	-6.137	-1.521	4.237	5.167
51	M157	Y	-1.521	-6.137	0	.93
52	M157	Y	-6.137	-10.263	.93	1.86
53	M157	Y	-10.263	-13.839	1.86	2.79
54	M157	Y	-13.839	-11.267	2.79	3.72
55	M157	Y	-11.267	-2.604	3.72	4.65
56	M170	Y	-1.149	-1.149	0	.477
57	M157	Y	-.141	-3.057	3.1	3.617
58	M157	Y	-3.057	-10.601	3.617	4.133
59	M157	Y	-10.601	-14.104	4.133	4.65
60	M157	Y	-14.104	-11.853	4.65	5.167
61	M174	Y	-22.026	-17.087	0	.833
62	M174	Y	-17.087	-13.952	.833	1.667
63	M174	Y	-13.952	-13.954	1.667	2.5
64	M174	Y	-13.954	-18.034	2.5	3.333
65	M174	Y	-18.034	-24.859	3.333	4.167
66	M177	Y	-7.451	-12.761	0	.517
67	M177	Y	-12.761	-10.795	.517	1.033
68	M177	Y	-10.795	-3.253	1.033	1.55
69	M177	Y	-3.253	-.332	1.55	2.067
70	M168	Y	-1.149	-1.149	0	.477
71	M177	Y	-2.604	-11.267	.517	1.447
72	M177	Y	-11.267	-13.839	1.447	2.377
73	M177	Y	-13.839	-10.263	2.377	3.307
74	M177	Y	-10.263	-6.137	3.307	4.237
75	M177	Y	-6.137	-1.521	4.237	5.167

**Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads)**

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M151A	Y	-.032	-.128	0	.93
2	M151A	Y	-.128	-.215	.93	1.86
3	M151A	Y	-.215	-.289	1.86	2.79
4	M151A	Y	-.289	-.236	2.79	3.72
5	M151A	Y	-.236	-.054	3.72	4.65
6	M162A	Y	-.024	-.024	0	.477
7	M168	Y	-.024	-.024	0	.477
8	M177	Y	-.054	-.236	.517	1.447
9	M177	Y	-.236	-.289	1.447	2.377
10	M177	Y	-.289	-.215	2.377	3.307
11	M177	Y	-.215	-.128	3.307	4.237
12	M177	Y	-.128	-.032	4.237	5.167
13	M151A	Y	-.003	-.064	3.1	3.617
14	M151A	Y	-.064	-.222	3.617	4.133
15	M151A	Y	-.222	-.295	4.133	4.65
16	M151A	Y	-.295	-.248	4.65	5.167
17	M172	Y	-.461	-.357	0	.833
18	M172	Y	-.357	-.292	.833	1.667
19	M172	Y	-.292	-.292	1.667	2.5
20	M172	Y	-.292	-.377	2.5	3.333
21	M172	Y	-.377	-.52	3.333	4.167
22	M175	Y	-.156	-.267	0	.517



**Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads) (Continued)**

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
23	M175	-0.267	-0.226	.517	1.033
24	M175	-0.226	-0.068	1.033	1.55
25	M175	-0.068	-0.007	1.55	2.067
26	M152A	-0.024	-0.024	0	.477
27	M175	-0.054	-0.236	.517	1.447
28	M175	-0.236	-0.289	1.447	2.377
29	M175	-0.289	-0.215	2.377	3.307
30	M175	-0.215	-0.128	3.307	4.237
31	M175	-0.128	-0.032	4.237	5.167
32	M154	-0.032	-0.128	0	.93
33	M154	-0.128	-0.215	.93	1.86
34	M154	-0.215	-0.289	1.86	2.79
35	M154	-0.289	-0.236	2.79	3.72
36	M154	-0.236	-0.054	3.72	4.65
37	M166A	-0.024	-0.024	0	.477
38	M154	-0.003	-0.064	3.1	3.617
39	M154	-0.064	-0.222	3.617	4.133
40	M154	-0.222	-0.295	4.133	4.65
41	M154	-0.295	-0.248	4.65	5.167
42	M173	-0.46	-0.357	0	.833
43	M173	-0.357	-0.292	.833	1.667
44	M173	-0.292	-0.292	1.667	2.5
45	M173	-0.292	-0.377	2.5	3.333
46	M173	-0.377	-.52	3.333	4.167
47	M176	-0.156	-0.267	0	.517
48	M176	-0.267	-0.226	.517	1.033
49	M176	-0.226	-0.068	1.033	1.55
50	M176	-0.068	-0.007	1.55	2.067
51	M164A	-0.024	-0.024	0	.477
52	M176	-0.054	-0.236	.517	1.447
53	M176	-0.236	-0.289	1.447	2.377
54	M176	-0.289	-0.215	2.377	3.307
55	M176	-0.215	-0.128	3.307	4.237
56	M176	-0.128	-0.032	4.237	5.167
57	M157	-0.032	-0.128	0	.93
58	M157	-0.128	-0.215	.93	1.86
59	M157	-0.215	-0.289	1.86	2.79
60	M157	-0.289	-0.236	2.79	3.72
61	M157	-0.236	-0.054	3.72	4.65
62	M170	-0.024	-0.024	0	.477
63	M157	-0.003	-0.064	3.1	3.617
64	M157	-0.064	-0.222	3.617	4.133
65	M157	-0.222	-0.295	4.133	4.65
66	M157	-0.295	-0.248	4.65	5.167
67	M174	-0.46	-0.357	0	.833
68	M174	-0.357	-0.292	.833	1.667
69	M174	-0.292	-0.292	1.667	2.5
70	M174	-0.292	-0.377	2.5	3.333
71	M174	-0.377	-.52	3.333	4.167
72	M177	-0.156	-0.267	0	.517
73	M177	-0.267	-0.226	.517	1.033
74	M177	-0.226	-0.068	1.033	1.55
75	M177	-0.068	-0.007	1.55	2.067

**Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)**

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
--------------	-----------	---------------------------	--------------------------	-----------------------	---------------------



**Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)**

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M151A	Z	-0.079	-0.321	0 .93
2	M151A	Z	-0.321	-0.536	.93 1.86
3	M151A	Z	-0.536	-0.723	1.86 2.79
4	M151A	Z	-0.723	-0.589	2.79 3.72
5	M151A	Z	-0.589	-0.136	3.72 4.65
6	M162A	Z	-0.06	-0.06	0 .477
7	M168	Z	-0.06	-0.06	0 .477
8	M177	Z	-0.136	-0.589	.517 1.447
9	M177	Z	-0.589	-0.723	1.447 2.377
10	M177	Z	-0.723	-0.536	2.377 3.307
11	M177	Z	-0.536	-0.321	3.307 4.237
12	M177	Z	-0.321	-0.079	4.237 5.167
13	M151A	Z	-0.007	-0.16	3.1 3.617
14	M151A	Z	-0.16	-0.554	3.617 4.133
15	M151A	Z	-0.554	-0.737	4.133 4.65
16	M151A	Z	-0.737	-0.619	4.65 5.167
17	M172	Z	-1.151	-0.893	0 .833
18	M172	Z	-0.893	-0.729	.833 1.667
19	M172	Z	-0.729	-0.729	1.667 2.5
20	M172	Z	-0.729	-0.942	2.5 3.333
21	M172	Z	-0.942	-1.299	3.333 4.167
22	M175	Z	-0.389	-0.667	0 .517
23	M175	Z	-0.667	-0.564	.517 1.033
24	M175	Z	-0.564	-0.17	1.033 1.55
25	M175	Z	-0.17	-0.017	1.55 2.067
26	M152A	Z	-0.06	-0.06	0 .477
27	M175	Z	-0.136	-0.589	.517 1.447
28	M175	Z	-0.589	-0.723	1.447 2.377
29	M175	Z	-0.723	-0.536	2.377 3.307
30	M175	Z	-0.536	-0.321	3.307 4.237
31	M175	Z	-0.321	-0.079	4.237 5.167
32	M154	Z	-0.079	-0.321	0 .93
33	M154	Z	-0.321	-0.536	.93 1.86
34	M154	Z	-0.536	-0.723	1.86 2.79
35	M154	Z	-0.723	-0.589	2.79 3.72
36	M154	Z	-0.589	-0.136	3.72 4.65
37	M166A	Z	-0.06	-0.06	0 .477
38	M154	Z	-0.007	-0.16	3.1 3.617
39	M154	Z	-0.16	-0.554	3.617 4.133
40	M154	Z	-0.554	-0.737	4.133 4.65
41	M154	Z	-0.737	-0.619	4.65 5.167
42	M173	Z	-1.15	-0.892	0 .833
43	M173	Z	-0.892	-0.729	.833 1.667
44	M173	Z	-0.729	-0.729	1.667 2.5
45	M173	Z	-0.729	-0.942	2.5 3.333
46	M173	Z	-0.942	-1.299	3.333 4.167
47	M176	Z	-0.389	-0.667	0 .517
48	M176	Z	-0.667	-0.564	.517 1.033
49	M176	Z	-0.564	-0.17	1.033 1.55
50	M176	Z	-0.17	-0.017	1.55 2.067
51	M164A	Z	-0.06	-0.06	0 .477
52	M176	Z	-0.136	-0.589	.517 1.447
53	M176	Z	-0.589	-0.723	1.447 2.377
54	M176	Z	-0.723	-0.536	2.377 3.307
55	M176	Z	-0.536	-0.321	3.307 4.237
56	M176	Z	-0.321	-0.079	4.237 5.167
57	M157	Z	-0.079	-0.321	0 .93













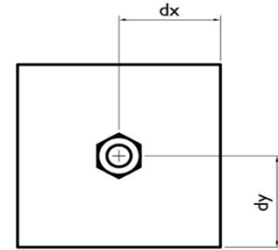


**Envelope AISC 15th(360-16): LRFD Steel Code Checks (Continued)**

Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L... Dir	LC	phi*Pn...	phi*P...	phi*Mn y...	phi*Mn .....	Eqn	
45	M129	L2x2x4	.082	1.172	24	.091	1.. z	23	28259...	30585...	.691	1.577	...H2-1
46	M130	L2x2x4	.072	1.172	10	.093	1.. y	24	28259...	30585...	.691	1.577	...H2-1
47	M131	L2x2x4	.164	1.476	24	.028	1.. z	24	24553...	30585...	.691	1.577	...H2-1
48	M146	PL3/8x6	.002	.5	7	.000	.5 y	8	37828...	72900	.57	9.113	...H1...
49	M149	PL3/8x6	.229	0	9	.050	1 y	8	37828...	72900	.57	9.113	...H1...
50	M150	PL3/8x6	.274	0	25	.054	0 y	1	37828...	72900	.57	9.113	...H1...
51	M153	HSS3...	.206	2.056	12	.174	5.. z	5	63318...	78246	6.796	6.796	...H1...
52	M148A	C4X2	.119	1.124	16	.017	1.. z	4	49266...	68801...	2.141	7.717	...H1...
53	M151A	PIPE...	.492	4.467	8	.162	3..	8	23329...	32130	1.872	1.872	...H1...
54	M152A	PL3/8...	.205	.239	4	.331	... y	21	68146...	78975	.617	10.695	...H1...
55	M154	PIPE...	.469	4.467	4	.153	3..	4	23329...	32130	1.872	1.872	...H1...
56	M157	PIPE...	.533	4.467	12	.171	3..	12	23329...	32130	1.872	1.872	...H1...
57	M166	PL3/8...	.091	.239	6	.280	0 y	2	68146...	78975	.617	10.695	...H1...
58	M162A	PL3/8...	.200	.239	10	.361	... y	17	68146...	78975	.617	10.695	...H1...
59	M163A	PL3/8...	.087	0	10	.273	0 y	12	68146...	78975	.617	10.695	...H1...
60	M164A	PL3/8...	.209	.239	12	.335	... y	17	68146...	78975	.617	10.695	...H1...
61	M165A	PL3/8...	.105	.239	1	.240	0 y	10	68146...	78975	.617	10.695	...H1...
62	M166A	PL3/8...	.204	.239	6	.349	... y	13	68146...	78975	.617	10.695	...H1...
63	M167	PL3/8...	.086	0	6	.278	0 y	8	68146...	78975	.617	10.695	...H1...
64	M168	PL3/8...	.203	.239	8	.335	... y	13	68147...	78975	.617	10.695	...H1...
65	M169	PL3/8...	.104	.239	9	.277	0 y	6	68146...	78975	.617	10.695	...H1...
66	M170	PL3/8...	.202	.239	3	.341	... y	21	68146...	78975	.617	10.695	...H1...
67	M171	PL3/8...	.095	0	3	.252	0 y	4	68146...	78975	.617	10.695	...H1...
68	M172	PIPE...	.200	2.083	50	.025	0	11	26092...	32130	1.872	1.872	...H1...
69	M173	PIPE...	.184	4.167	1	.030	4..	1	26092...	32130	1.872	1.872	...H1...
70	M174	PIPE...	.174	0	1	.025	0	3	26092...	32130	1.872	1.872	...H1...
71	M175	PIPE...	.506	2.045	6	.168	2..	6	23329...	32130	1.872	1.872	...H1...
72	M176	PIPE...	.537	.7	2	.181	2..	2	23329...	32130	1.872	1.872	...H1...
73	M177	PIPE...	.503	.7	22	.159	2..	10	23329...	32130	1.872	1.872	...H1...
74	M203	PIPE...	.014	2.5	4	.002	2.5	4	28843...	32130	1.872	1.872	...H1...
75	OVP	PIPE...	.472	6.464	11	.021	6..	11	13511...	32130	1.872	1.872	...H1...
76	MP3A	PIPE...	.525	5.688	11	.103	3..	9	13055...	32130	1.872	1.872	...H1...
77	MP2A	PIPE...	.552	5.688	2	.103	5..	5	13055...	32130	1.872	1.872	...H1...
78	MP3C	PIPE...	.570	5.688	7	.104	3..	6	13055...	32130	1.872	1.872	...H1...
79	MP2C	PIPE...	.574	5.688	12	.116	5..	1	13055...	32130	1.872	1.872	...H1...
80	MP3B	PIPE...	.548	5.688	2	.105	3..	2	13055...	32130	1.872	1.872	...H1...
81	MP2B	PIPE...	.606	5.688	7	.113	5..	8	13055...	32130	1.872	1.872	...H1...
82	MP1A	PIPE...	.201	2.438	8	.102	2..	10	20866...	32130	1.872	1.872	...H1...
83	MP4A	PIPE...	.191	2.438	6	.104	2..	4	20866...	32130	1.872	1.872	...H1...
84	MP1C	PIPE...	.218	2.438	7	.101	2..	6	20866...	32130	1.872	1.872	...H1...
85	MP4C	PIPE...	.219	2.438	1	.108	2..	1	20866...	32130	1.872	1.872	...H1...
86	MP1B	PIPE...	.202	2.438	12	.096	2..	2	20866...	32130	1.872	1.872	...H1...
87	MP4B	PIPE...	.216	2.438	9	.109	2..	9	20866...	32130	1.872	1.872	...H1...
88	M204A	C4X2	.128	2.73	10	.013	2.. z	4	49266...	68801...	2.141	7.717	...H1...
89	M205B	C4X2	.140	1.124	16	.012	1.. z	10	49266...	68801...	2.141	7.717	...H1...
90	M206	PIPE...	.238	10.303	4	.061	1..	1	9523.8...	50715	3.596	3.596	...H1...
91	M207	PIPE...	.249	10.303	12	.053	1..	9	9523.8...	50715	3.596	3.596	...H1...
92	M208	PIPE...	.259	10.303	8	.052	1..	7	9523.8...	50715	3.596	3.596	...H1...
93	M227	L3X3X4	.253	1.917	5	.030	0 z	6	43010...	46656	1.688	3.756	...H2-1
94	M228	L3X3X4	.286	1.917	7	.032	.14 z	8	43010...	46656	1.688	3.756	...H2-1
95	M229	L3X3X4	.265	1.917	9	.030	0 z	10	43010...	46656	1.688	3.756	...H2-1
96	M231	L2.5x2...	.155	3.076	6	.008	0 z	6	8675.3...	29192...	.873	1.518	...H2-1
97	M231A	L2.5x2...	.154	3.076	8	.008	0 y	8	8675.3...	29192...	.873	1.518	...H2-1
98	M232	L2.5x2...	.153	3.076	2	.008	0 z	2	8675.3...	29192...	.873	1.518	...H2-1
99	M233	L2.5x2...	.151	3.076	4	.008	6.. y	4	8675.3...	29192...	.873	1.518	...H2-1
100	M234	L2.5x2...	.151	3.076	10	.008	6.. z	10	8675.3...	29192...	.873	1.518	...H2-1
101	M235	L2.5x2...	.157	3.076	12	.007	6.. y	12	8675.3...	29192...	.873	1.518	...H2-1

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

<u>Custom Orientation Required</u>	No
<u>Tower Connection Bolt Checks</u>	Yes
<u>Bolt Orientation</u>	Perpendicular
Bolt Quantity per Reaction:	1
Bolt Type:	A307
Bolt Diameter (in):	0.75
Required Tensile Strength / bolt (kips):	0.0
Required Shear Strength / bolt (kips):	3.1
Tensile Capacity / bolt (kips):	14.9
Shear Capacity / bolt (kips):	8.9
Bolt Overall Utilization:	<b>35.2%</b>
<u>Tower Connection Baseplate Checks</u>	No



**NO MOMENT RESISTANCE**

Date: **August 01, 2023**



Crown Castle  
2000 Corporate Drive  
Canonsburg, PA 15317  
724-416-2000

**Subject:** **Structural Analysis Report**

**Carrier Designation:** **Verizon Wireless Co-Locate**  
**Site Number:** 5000244828  
**Site Name:** WOODBURY N CT

**Crown Castle Designation:** **BU Number:** 876379  
**Site Name:** N. WOODBURY / WOLFF PARCEL  
**JDE Job Number:** 751370  
**Work Order Number:** 2246314  
**Order Number:** 654616 Rev. 0

**Engineering Firm Designation:** **Crown Castle Project Number:** 2246314

**Site Data:** **1440 Main Street North, WOODBURY, LITCHFIELD County, CT**  
**Latitude 41° 35' 23.81", Longitude -73° 10' 11.52"**  
**163.007 Foot - Monopole Tower**

Crown Castle is pleased to submit this “**Structural Analysis Report**” to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC5: Proposed Equipment Configuration

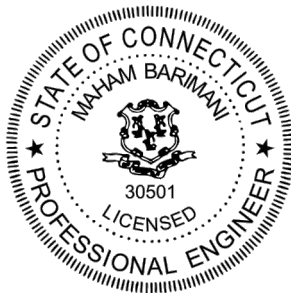
**Sufficient Capacity-50.8%**

This analysis utilizes an ultimate 3-second gust wind speed of 116 mph as required by the 2022 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Abigail Ruiz

Respectfully submitted by:

Maham Barimani, P.E.  
Senior Project Engineer



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## 1) INTRODUCTION

This tower is a 163.007 ft Monopole tower designed by ENGINEERED ENDEAVORS, INC..

## 2) ANALYSIS CRITERIA

<b>TIA-222 Revision:</b>	TIA-222-H
<b>Risk Category:</b>	II
<b>Wind Speed:</b>	116 mph
<b>Exposure Category:</b>	C
<b>Topographic Factor:</b>	1
<b>Ice Thickness:</b>	1 in
<b>Wind Speed with Ice:</b>	50 mph
<b>Service Wind Speed:</b>	60 mph

**Table 1 - Proposed Equipment Configuration**

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
149.0	151.0	1	kaelus	BSF0020F3V1	7	1-5/8
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
	150.0	2	rfs celwave	DB-C1-12C-24AB-0Z		
	149.0	6	antel	LPA-80080/6CF w/ Mount Pipe		
		1	tower mounts	Miscellaneous [NA 510-1]		
		1	tower mounts	Platform Mount [LP 401-1_KCKR]		
	148.0	6	andrew	SBNHH-1D65B w/ Mount Pipe		
3		samsung telecommunications	MT6407-77A w/ Mount Pipe			

**Table 2 - Other Considered Equipment**

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
158.0	172.0	1	sinclair	SC229-SFXLDF	1	1/2
	158.0	1	tower mounts	Pipe Mount [PM 601-1]		
157.0	159.0	3	rfs celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	3	1-5/8
		3	commscope	HBXX-6516DS-A2M_T-MOBILE w/ Mount Pipe		
	158.0	1	ericsson	RADIO 2X2212 B2		
		3	ericsson	RADIO 4415 B66A_CCIV3		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
	157.0	3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe		
2		ericsson	RADIO 2X2212 B2			

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		1	tower mounts	Platform Mount [LP 602-1]		
139.0	139.0	3	fujitsu	TA08025-B604	1	1-3/4
		3	fujitsu	TA08025-B605		
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		
119.0	124.0	1	raycap	DC6-48-60-0-8C-EV	12 4 2 2	1-5/8 7/8 3/8 CONDUIT
	123.0	1	ericsson	RRUS 4449 B5/B12		
		2	ericsson	RRUS 4478 B14		
	122.0	1	ericsson	RRUS 4449 B5/B12		
	121.0	1	ericsson	RRUS 4449 B5/B12		
		1	ericsson	RRUS 4478 B14		
		1	ericsson	RRUS 8843 B2/B66A		
		2	powerwave technologies	7770.00 w/ Mount Pipe		
	120.0	1	raycap	DC6-48-60-18-8F		
		6	commscope	NNHH-65B-R4 w/ Mount Pipe		
		2	ericsson	RRUS 8843 B2/B66A		
		1	powerwave technologies	7770.00 w/ Mount Pipe		
		1	powerwave technologies	TT19-08BP111-001		
	119.0	2	powerwave technologies	TT19-08BP111-001		
		1	tower mounts	Miscellaneous [NA 510-1]		
1		tower mounts	Platform Mount [LP 401-1_KCKR]			
106.0	106.0	1	telewave	ANT150D6-9	1	1/2
21.0	23.0	1	lucent	KS24019-L112A	1	1/2
	21.0	1	tower mounts	Side Arm Mount [SO 701-1]		

**3) ANALYSIS PROCEDURE**

**Table 3 - Documents Provided**

Document	Reference	Source
4-GEOTECHNICAL REPORTS	1531966	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	1614612	CCISITES
4-TOWER MANUFACTURER DRAWINGS	1613543	CCISITES

### 3.1) Analysis Method

tnxTower (version 8.1.4.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

### 3.2) Assumptions

- 1) Tower and structures were maintained in accordance with the TIA-222 Standard.
- 2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Crown Castle should be notified to determine the effect on the structural integrity of the tower.

## 4) ANALYSIS RESULTS

**Table 4 - Section Capacity (Summary)**

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	163.007 - 121.587	Pole	TP42.37x34.28x0.3125	1	-16.85	2492.97	16.0	Pass
L2	121.587 - 84.67	Pole	TP48.83x40.6057x0.375	2	-31.06	3448.83	31.6	Pass
L3	84.67 - 42.2067	Pole	TP56.25x46.7975x0.4375	3	-46.30	4636.15	40.3	Pass
L4	42.2067 - 0	Pole	TP63.5x53.916x0.5	4	-69.96	6141.33	44.9	Pass
							Summary	
						Pole (L4)	44.9	Pass
						Rating =	44.9	Pass

**Table 5 - Tower Component Stresses vs. Capacity - LC5**

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	46.3	Pass
1	Base Plate	0	44.3	Pass
1	Base Foundation (Structure)	0	50.8	Pass
1	Base Foundation (Soil Interaction)	0	24.5	Pass

<b>Structure Rating (max from all components) =</b>	<b>50.8%</b>
---	--------------

Notes:

- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

### 4.1) Recommendations

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

**APPENDIX A**  
**TNXTOWER OUTPUT**

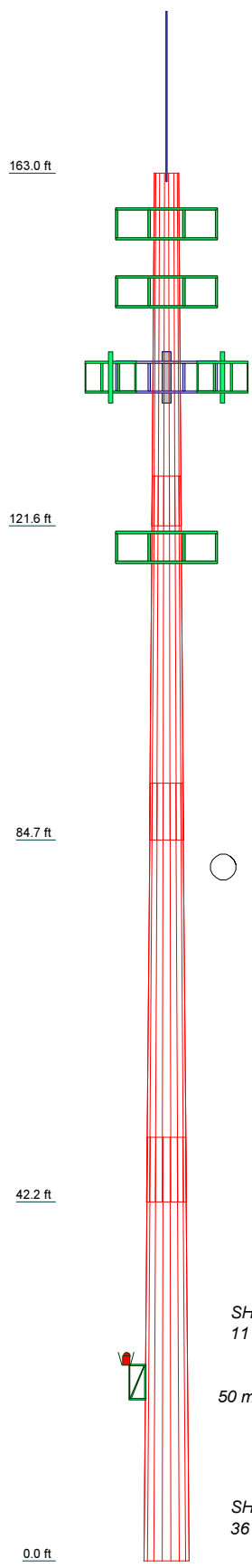
**MATERIAL STRENGTH**

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

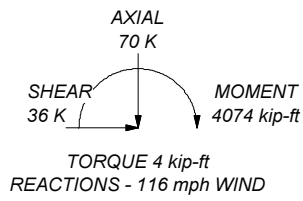
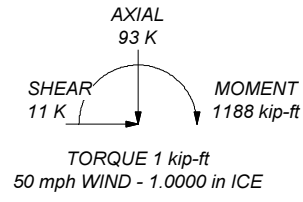
**TOWER DESIGN NOTES**

1. Tower is located in Litchfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 116 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 44.9%

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	41.42	18	0.3125	5.83	34.2800	42.3700	A572-65	5.3
2	42.75	18	0.3750	6.67	40.6057	48.8300	A572-65	7.7
3	49.13	18	0.4375	7.58	46.7975	56.2500	A572-65	11.9
4	49.79	18	0.5000	53.9160	63.5000			15.7



ALL REACTIONS ARE FACTORED



<p><b>Crown Castle</b> 2000 Corporate Drive Canonsburg, PA 15317 The Pathway to Possible Phone: 724-416-2000 FAX:</p>		<p>Job: <b>BU# 876379</b></p>	
		<p>Project: Client: Crown Castle Code: TIA-222-H Path:</p>	<p>Drawn by: ARuizPerea Date: 08/01/23 Scale: NTS Dwg No. E-1</p>

## Tower Input Data

The tower is a monopole.  
 This tower is designed using the TIA-222-H standard.  
 The following design criteria apply:

- Tower is located in Litchfield County, Connecticut.
- Tower base elevation above sea level: 490.00 ft.
- Basic wind speed of 116 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used:  $K_{es}(F_w) = 0.95$ ,  $K_{es}(t_i) = 0.85$ .
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

## Options

Consider Moments - Legs Consider Moments - Horizontals  Consider Moments - Diagonals Use Moment Magnification ✓ Use Code Stress Ratios ✓ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile Include Bolts In Member Capacity Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric	Distribute Leg Loads As Uniform Assume Legs Pinned  ✓ Assume Rigid Index Plate ✓ Use Clear Spans For Wind Area Use Clear Spans For KL/r Retension Guys To Initial Tension ✓ Bypass Mast Stability Checks ✓ Use Azimuth Dish Coefficients ✓ Project Wind Area of Appurt. Autocalc Torque Arm Areas Add IBC .6D+W Combination ✓ Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs	Use ASCE 10 X-Brace Ly Rules Calculate Forces in Supporting Bracing Members Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation ✓ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption <div style="text-align: center; background-color: #e0e0e0; padding: 2px;">Poles</div> ✓ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known
--	---	--

## Tapered Pole Section Geometry

Section	Elevation	Section Length	Splice Length	Number of Sides	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft		in	in	in	in	
L1	163.01-121.59	41.42	5.83	18	34.2800	42.3700	0.3125	1.2500	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L2	121.59-84.67	42.75	6.67	18	40.6057	48.8300	0.3750	1.5000	A572-65 (65 ksi)
L3	84.67-42.21	49.13	7.58	18	46.7975	56.2500	0.4375	1.7500	A572-65 (65 ksi)
L4	42.21-0.00	49.79		18	53.9160	63.5000	0.5000	2.0000	A572-65 (65 ksi)

**Tapered Pole Properties**

Section	Tip Dia. in	Area in <sup>2</sup>	I in <sup>4</sup>	r in	C in	I/C in <sup>3</sup>	J in <sup>4</sup>	It/Q in <sup>2</sup>	w in	w/t
L1	34.7606	33.6915	4911.1720	12.0585	17.4142	282.0205	9828.8063	16.8490	5.4833	17.546
	42.9754	41.7158	9322.3361	14.9304	21.5240	433.1144	18656.938	20.8619	6.9071	22.103
L2	42.3138	47.8845	9791.4486	14.2819	20.6277	474.6754	19595.781	23.9468	6.4866	17.298
	49.5254	57.6736	17107.692	17.2015	24.8056	689.6695	34237.895	28.8423	7.9341	21.158
L3	48.7543	64.3766	17480.398	16.4578	23.7731	735.3015	34983.798	32.1944	7.4664	17.066
	57.0503	77.5026	30501.195	19.8134	28.5750	1067.4084	61042.524	38.7587	9.1300	20.869
L4	56.1528	84.7712	30558.207	18.9627	27.3893	1115.6981	61156.625	42.3936	8.6092	17.218
	64.4025	99.9810	50134.423	22.3650	32.2580	1554.1702	100334.81	50.0000	10.2960	20.592

Tower Elevation ft	Gusset Area (per face) ft <sup>2</sup>	Gusset Thickness in	Gusset Grade	Adjust. Factor A <sub>r</sub>	Adjust. Factor A <sub>r</sub>	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontal in	Double Angle Stitch Bolt Spacing Redundants in
L1 163.01-121.59				1	1	1			
L2 121.59-84.67				1	1	1			
L3 84.67-42.21				1	1	1			
L4 42.21-0.00				1	1	1			

**Feed Line/Linear Appurtenances - Entered As Round Or Flat**

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***** Safety Line 3/8	C	No	Surface Ar (CaAa)	163.00 - 0.00	1	1	-0.167 -0.167	0.3750		0.22
**22** LDF4-50A(1/2)	C	No	Surface Ar (CaAa)	22.00 - 0.00	1	1	0.167 0.167	0.6300		0.15
***** ***** *****										

**Feed Line/Linear Appurtenances - Entered As Area**



Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C <sub>AA</sub> ft <sup>2</sup> /ft	Weight plf
<b>**160**</b>									
LDF4-50A(1/2)	B	No	No	Inside Pole	160.00 - 0.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
<b>**165**</b>									
HB158-21U6S24-xxM_TMO(1-5/8)	A	No	No	Inside Pole	156.00 - 0.00	3	No Ice	0.00	2.50
							1/2" Ice	0.00	2.50
							1" Ice	0.00	2.50
<b>**148**</b>									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	150.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
HB158-1-13U6-S6F18(1-5/8)	A	No	No	Inside Pole	150.00 - 0.00	1	No Ice	0.00	1.90
							1/2" Ice	0.00	1.90
							1" Ice	0.00	1.90
<b>**141**</b>									
<b>**140**</b>									
CU12PSM6P4XXX(1-3/4)	B	No	No	Inside Pole	140.00 - 0.00	1	No Ice	0.00	2.72
							1/2" Ice	0.00	2.72
							1" Ice	0.00	2.72
<b>**118**</b>									
2" Flexible Conduit	C	No	No	Inside Pole	118.00 - 0.00	2	No Ice	0.00	0.34
							1/2" Ice	0.00	0.34
							1" Ice	0.00	0.34
FB-L98B-002-75000(3/8)	C	No	No	Inside Pole	118.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
FB-L98B-034-XXX(3/8)	C	No	No	Inside Pole	118.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
WR-VG66ST-BRD(7/8)	C	No	No	Inside Pole	118.00 - 0.00	2	No Ice	0.00	0.91
							1/2" Ice	0.00	0.91
							1" Ice	0.00	0.91
WR-VG86ST-BRDA(7/8)	C	No	No	Inside Pole	118.00 - 0.00	2	No Ice	0.00	0.68
							1/2" Ice	0.00	0.68
							1" Ice	0.00	0.68
LCF158-50A(1-5/8)	C	No	No	Inside Pole	118.00 - 0.00	12	No Ice	0.00	0.80
							1/2" Ice	0.00	0.80
							1" Ice	0.00	0.80
<b>**108**</b>									
LDF4-50A(1/2)	B	No	No	Inside Pole	108.00 - 0.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
*****									
*****									
*****									

### Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A <sub>R</sub> ft <sup>2</sup>	A <sub>F</sub> ft <sup>2</sup>	C <sub>AA</sub> In Face ft <sup>2</sup>	C <sub>AA</sub> Out Face ft <sup>2</sup>	Weight K
L1	163.01-121.59	A	0.000	0.000	0.000	0.000	0.45
		B	0.000	0.000	0.000	0.000	0.06
		C	0.000	0.000	1.553	0.000	0.01
L2	121.59-84.67	A	0.000	0.000	0.000	0.000	0.53
		B	0.000	0.000	0.000	0.000	0.11
		C	0.000	0.000	1.384	0.000	0.46
L3	84.67-42.21	A	0.000	0.000	0.000	0.000	0.61
		B	0.000	0.000	0.000	0.000	0.13
		C	0.000	0.000	1.592	0.000	0.59
L4	42.21-0.00	A	0.000	0.000	0.000	0.000	0.60

Tower Section <i>n</i>	Tower Elevation <i>ft</i>	Face	$A_R$ <i>ft<sup>2</sup></i>	$A_F$ <i>ft<sup>2</sup></i>	$C_{AA}$ In Face <i>ft<sup>2</sup></i>	$C_{AA}$ Out Face <i>ft<sup>2</sup></i>	Weight <i>K</i>
		B	0.000	0.000	0.000	0.000	0.13
		C	0.000	0.000	2.969	0.000	0.59

**Feed Line/Linear Appurtenances Section Areas - With Ice**

Tower Section <i>n</i>	Tower Elevation <i>ft</i>	Face or Leg	Ice Thickness <i>in</i>	$A_R$ <i>ft<sup>2</sup></i>	$A_F$ <i>ft<sup>2</sup></i>	$C_{AA}$ In Face <i>ft<sup>2</sup></i>	$C_{AA}$ Out Face <i>ft<sup>2</sup></i>	Weight <i>K</i>
L1	163.01-121.59	A	0.983	0.000	0.000	0.000	0.000	0.45
		B		0.000	0.000	0.000	0.000	0.06
		C		0.000	0.000	9.698	0.000	0.08
L2	121.59-84.67	A	0.952	0.000	0.000	0.000	0.000	0.53
		B		0.000	0.000	0.000	0.000	0.11
		C		0.000	0.000	8.645	0.000	0.52
L3	84.67-42.21	A	0.907	0.000	0.000	0.000	0.000	0.61
		B		0.000	0.000	0.000	0.000	0.13
		C		0.000	0.000	9.680	0.000	0.65
L4	42.21-0.00	A	0.814	0.000	0.000	0.000	0.000	0.60
		B		0.000	0.000	0.000	0.000	0.13
		C		0.000	0.000	14.618	0.000	0.68

**Feed Line Center of Pressure**

Section	Elevation <i>ft</i>	$CP_x$ <i>in</i>	$CP_z$ <i>in</i>	$CP_x$ Ice <i>in</i>	$CP_z$ Ice <i>in</i>
L1	163.01-121.59	0.1035	0.2838	0.3596	0.9858
L2	121.59-84.67	0.1036	0.2841	0.3651	1.0010
L3	84.67-42.21	0.1037	0.2843	0.3600	0.9871
L4	42.21-0.00	0.0095	0.5379	0.1361	1.5087

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

**Shielding Factor  $K_a$**

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	$K_a$ No Ice	$K_a$ Ice
L1	2	Safety Line 3/8	121.59 - 163.00	1.0000	1.0000
L2	2	Safety Line 3/8	84.67 - 121.59	1.0000	1.0000
L3	2	Safety Line 3/8	42.21 - 84.67	1.0000	1.0000
L4	2	Safety Line 3/8	0.00 - 42.21	1.0000	1.0000
L4	28	LDF4-50A(1/2)	0.00 - 22.00	1.0000	1.0000

**Discrete Tower Loads**

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
*****					
SC229-SFXLDF	A	From Leg	1.00 0.00 14.00	0.0000	158.00
Pipe Mount [PM 601-1]	A	From Leg	0.50 0.00 0.00	0.0000	158.00
**157**					
HBXX-6516DS-A2M_T-MOBILE w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	157.00
HBXX-6516DS-A2M_T-MOBILE w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	157.00
HBXX-6516DS-A2M_T-MOBILE w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	157.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	157.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	157.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	157.00
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	157.00
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	157.00
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	157.00
RADIO 2X2212 B2	A	From Leg	4.00 0.00 0.00	0.0000	157.00
RADIO 2X2212 B2	B	From Leg	4.00 0.00 1.00	0.0000	157.00
RADIO 2X2212 B2	C	From Leg	4.00 0.00 0.00	0.0000	157.00
RADIO 4415 B66A_CCIV3	A	From Leg	4.00 0.00 1.00	0.0000	157.00
RADIO 4415 B66A_CCIV3	B	From Leg	4.00 0.00 1.00	0.0000	157.00
RADIO 4415 B66A_CCIV3	C	From Leg	4.00 0.00 1.00	0.0000	157.00
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00 0.00 1.00	0.0000	157.00
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00 0.00 1.00	0.0000	157.00
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00 0.00 1.00	0.0000	157.00
Platform Mount [LP 602-1]	C	None		0.0000	157.00
8' Ladder	C	From Centroid-Face	2.00 0.00	0.0000	157.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
2.4" Dia. x 6-ft	A	From Centroid-Leg	-4.00 4.00 0.00 0.00	0.0000	157.00
2.4" Dia. x 6-ft	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	157.00
2.4" Dia. x 6-ft	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	157.00
**149** BSF0020F3V1	C	From Leg	4.00 0.00 2.00	0.0000	149.00
(2) SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.00 0.00 -1.00	0.0000	149.00
(2) SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.00 0.00 -1.00	0.0000	149.00
(2) SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.00 0.00 -1.00	0.0000	149.00
(2) LPA-80080/6CF w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	149.00
(2) LPA-80080/6CF w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	149.00
(2) LPA-80080/6CF w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	149.00
MT6407-77A w/ Mount Pipe	A	From Leg	4.00 0.00 -1.00	0.0000	149.00
MT6407-77A w/ Mount Pipe	B	From Leg	4.00 0.00 -1.00	0.0000	149.00
MT6407-77A w/ Mount Pipe	C	From Leg	4.00 0.00 -1.00	0.0000	149.00
(2) DB-C1-12C-24AB-0Z	A	From Leg	4.00 0.00 1.00	0.0000	149.00
RFV01U-D1A	A	From Leg	4.00 0.00 2.00	0.0000	149.00
RFV01U-D1A	B	From Leg	4.00 0.00 2.00	0.0000	149.00
RFV01U-D1A	C	From Leg	4.00 0.00 2.00	0.0000	149.00
RFV01U-D2A	A	From Leg	4.00 0.00 2.00	0.0000	149.00
RFV01U-D2A	B	From Leg	4.00 0.00 2.00	0.0000	149.00
RFV01U-D2A	C	From Leg	4.00 0.00 2.00	0.0000	149.00
Platform Mount [LP 401-1_KCKR]	C	None		0.0000	149.00
Miscellaneous [NA 510-1] **139**	C	None		0.0000	149.00

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement
			Horz	Lateral		
			ft	ft	°	ft
MX08FRO665-21 w/ Mount Pipe	A	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
MX08FRO665-21 w/ Mount Pipe	B	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
MX08FRO665-21 w/ Mount Pipe	C	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
TA08025-B605	A	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
TA08025-B605	B	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
TA08025-B605	C	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
TA08025-B604	A	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
TA08025-B604	B	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
TA08025-B604	C	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
RDIDC-9181-PF-48	C	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
(2) 2.4" Dia x 8-ft Mount Pipe	A	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
(2) 2.4" Dia x 8-ft Mount Pipe	A	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
(2) 2.4" Dia x 8-ft Mount Pipe	A	From Centroid-Leg	4.00	0.00	0.0000	139.00
			0.00	0.00		
Commscope MC-PK8-DSH **120** **119**	C	None			0.0000	139.00
(2) NNHH-65B-R4 w/ Mount Pipe	A	From Leg	4.00	1.00	0.0000	119.00
			0.00	0.00		
(2) NNHH-65B-R4 w/ Mount Pipe	B	From Leg	4.00	1.00	0.0000	119.00
			0.00	0.00		
(2) NNHH-65B-R4 w/ Mount Pipe	C	From Leg	4.00	1.00	0.0000	119.00
			0.00	0.00		
7770.00 w/ Mount Pipe	A	From Leg	4.00	1.00	0.0000	119.00
			0.00	0.00		
7770.00 w/ Mount Pipe	B	From Leg	4.00	2.00	0.0000	119.00
			0.00	0.00		
7770.00 w/ Mount Pipe	C	From Leg	4.00	2.00	0.0000	119.00
			0.00	0.00		
RRUS 4449 B5/B12	A	From Leg	4.00	3.00	0.0000	119.00
			0.00	0.00		
RRUS 4449 B5/B12	B	From Leg	4.00	3.00	0.0000	119.00
			0.00	0.00		

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
RRUS 4449 B5/B12	C	From Leg	4.00 4.00 0.00	0.0000	119.00
RRUS 4478 B14	A	From Leg	2.00 4.00 0.00	0.0000	119.00
RRUS 4478 B14	B	From Leg	4.00 4.00 0.00	0.0000	119.00
RRUS 4478 B14	C	From Leg	4.00 4.00 0.00	0.0000	119.00
RRUS 8843 B2/B66A	A	From Leg	2.00 4.00 0.00	0.0000	119.00
RRUS 8843 B2/B66A	B	From Leg	1.00 4.00 0.00	0.0000	119.00
RRUS 8843 B2/B66A	C	From Leg	2.00 4.00 0.00	0.0000	119.00
TT19-08BP111-001	A	From Leg	1.00 4.00 0.00	0.0000	119.00
TT19-08BP111-001	B	From Leg	0.00 4.00 0.00	0.0000	119.00
TT19-08BP111-001	C	From Leg	0.00 4.00 0.00	0.0000	119.00
DC6-48-60-0-8C-EV	C	From Leg	1.00 4.00 0.00	0.0000	119.00
DC6-48-60-18-8F	A	From Leg	5.00 4.00 0.00	0.0000	119.00
Platform Mount [LP 401-1_KCKR]	C	None	2.00	0.0000	119.00
Miscellaneous [NA 510-1]	C	None	0.00	0.0000	119.00
2.4" Dia. x 6-ft	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	119.00
2.4" Dia. x 6-ft	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	119.00
2.4" Dia. x 6-ft	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	119.00
**106** ANT150D6-9	A	From Leg	2.00 0.00 0.00	0.0000	106.00
**22** KS24019-L112A	C	From Leg	3.00 0.00 2.00	0.0000	21.00
Side Arm Mount [SO 701-1]	C	From Leg	1.50 0.00 0.00	0.0000	21.00
***** ***** ***** ***** ***** *****					

## Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

## Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	163.007 - 121.587	Pole	Max Tension	2	0.00	-0.00	-0.00
			Max. Compression	26	-28.17	0.40	2.84



Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L2	121.587 - 84.67	Pole	Max. Mx	20	-16.85	369.84	0.64
			Max. My	2	-16.86	-0.23	367.31
			Max. Vy	20	-17.30	369.84	0.64
			Max. Vx	2	-17.16	-0.23	367.31
			Max. Torque	21			-3.14
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.25	0.77	2.84
			Max. Mx	20	-31.06	1199.70	-0.15
			Max. My	2	-31.07	-0.90	1191.96
			Max. Vy	20	-26.19	1199.70	-0.15
L3	84.67 - 42.2067	Pole	Max. Vx	2	-26.05	-0.90	1191.96
			Max. Torque	9			3.83
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.10	0.77	2.68
			Max. Mx	20	-46.30	2392.67	-1.16
			Max. My	2	-46.30	-1.93	2379.11
			Max. Vy	20	-31.13	2392.67	-1.16
			Max. Vx	2	-30.99	-1.93	2379.11
			Max. Torque	9			3.83
			Max Tension	1	0.00	0.00	0.00
L4	42.2067 - 0	Pole	Max. Compression	26	-92.80	1.16	2.14
			Max. Mx	20	-69.96	4073.66	-2.35
			Max. My	2	-69.96	-2.63	4053.05
			Max. Vy	20	-36.05	4073.66	-2.35
			Max. Vx	2	-35.93	-2.63	4053.05
			Max. Torque	9			3.82

### Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	36	92.80	10.59	-0.00
	Max. H <sub>x</sub>	20	69.98	36.02	-0.01
	Max. H <sub>z</sub>	2	69.98	-0.01	35.90
	Max. M <sub>x</sub>	2	4053.05	-0.01	35.90
	Max. M <sub>z</sub>	8	4072.26	-36.02	0.01
	Max. Torsion	9	3.71	-36.02	0.01
	Min. Vert	13	52.48	-18.00	-31.08
	Min. H <sub>x</sub>	8	69.98	-36.02	0.01
	Min. H <sub>z</sub>	14	69.98	0.01	-35.90
	Min. M <sub>x</sub>	14	-4051.09	0.01	-35.90
	Min. M <sub>z</sub>	20	-4073.66	36.02	-0.01
	Min. Torsion	21	-3.71	36.02	-0.01

### Tower Mast Reaction Summary

Load Combination	Vertical K	Shear <sub>x</sub> K	Shear <sub>z</sub> K	Overtuning Moment, M <sub>x</sub> kip-ft	Overtuning Moment, M <sub>z</sub> kip-ft	Torque kip-ft
Dead Only	58.31	0.00	0.00	-0.77	0.56	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	69.98	0.01	-35.90	-4053.05	-2.63	-0.58
0.9 Dead+1.0 Wind 0 deg - No Ice	52.48	0.01	-35.90	-4021.17	-2.78	-0.58
1.2 Dead+1.0 Wind 30 deg - No Ice	69.98	18.02	-31.10	-3511.83	-2038.68	-2.36
0.9 Dead+1.0 Wind 30 deg - No Ice	52.48	18.02	-31.10	-3484.17	-2022.92	-2.36

Load Combination	Vertical K	Shear <sub>x</sub> K	Shear <sub>z</sub> K	Overturing Moment, M <sub>x</sub> kip-ft	Overturing Moment, M <sub>z</sub> kip-ft	Torque kip-ft
1.2 Dead+1.0 Wind 60 deg - No Ice	69.98	31.20	-17.96	-2029.88	-3528.26	-3.51
0.9 Dead+1.0 Wind 60 deg - No Ice	52.48	31.20	-17.96	-2013.79	-3500.88	-3.51
1.2 Dead+1.0 Wind 90 deg - No Ice	69.98	36.02	-0.01	-4.30	-4072.26	-3.71
0.9 Dead+1.0 Wind 90 deg - No Ice	52.48	36.02	-0.01	-4.01	-4040.63	-3.71
1.2 Dead+1.0 Wind 120 deg - No Ice	69.98	31.19	17.94	2022.18	-3524.93	-2.92
0.9 Dead+1.0 Wind 120 deg - No Ice	52.48	31.19	17.94	2006.64	-3497.58	-2.92
1.2 Dead+1.0 Wind 150 deg - No Ice	69.98	18.00	31.08	3506.55	-2032.91	-1.35
0.9 Dead+1.0 Wind 150 deg - No Ice	52.48	18.00	31.08	3479.44	-2017.21	-1.35
1.2 Dead+1.0 Wind 180 deg - No Ice	69.98	-0.01	35.90	4051.09	4.02	0.58
0.9 Dead+1.0 Wind 180 deg - No Ice	52.48	-0.01	35.90	4019.72	3.81	0.58
1.2 Dead+1.0 Wind 210 deg - No Ice	69.98	-18.02	31.10	3509.88	2040.06	2.36
0.9 Dead+1.0 Wind 210 deg - No Ice	52.48	-18.02	31.10	3482.73	2023.95	2.36
1.2 Dead+1.0 Wind 240 deg - No Ice	69.98	-31.20	17.96	2027.94	3529.65	3.50
0.9 Dead+1.0 Wind 240 deg - No Ice	52.48	-31.20	17.96	2012.35	3501.91	3.51
1.2 Dead+1.0 Wind 270 deg - No Ice	69.98	-36.02	0.01	2.36	4073.66	3.71
0.9 Dead+1.0 Wind 270 deg - No Ice	52.48	-36.02	0.01	2.58	4041.67	3.71
1.2 Dead+1.0 Wind 300 deg - No Ice	69.98	-31.19	-17.94	-2024.12	3526.34	2.92
0.9 Dead+1.0 Wind 300 deg - No Ice	52.48	-31.19	-17.94	-2008.08	3498.62	2.92
1.2 Dead+1.0 Wind 330 deg - No Ice	69.98	-18.00	-31.08	-3508.51	2034.31	1.35
0.9 Dead+1.0 Wind 330 deg - No Ice	52.48	-18.00	-31.08	-3480.88	2018.25	1.35
1.2 Dead+1.0 Ice+1.0 Temp	92.80	0.00	0.00	-2.14	1.16	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	92.80	0.00	-10.57	-1185.66	0.56	-0.17
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	92.80	5.30	-9.15	-1027.46	-592.86	-0.70
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	92.80	9.17	-5.29	-594.58	-1027.08	-1.04
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	92.80	10.59	-0.00	-3.01	-1185.78	-1.10
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	92.80	9.17	5.28	588.74	-1026.41	-0.87
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	92.80	5.29	9.15	1022.10	-591.70	-0.40
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	92.80	-0.00	10.57	1180.97	1.89	0.17
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	92.80	-5.30	9.15	1022.77	595.31	0.70
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	92.80	-9.17	5.29	589.89	1029.53	1.04
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	92.80	-10.59	0.00	-1.68	1188.23	1.10
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	92.80	-9.17	-5.28	-593.43	1028.87	0.87
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	92.80	-5.29	-9.15	-1026.80	594.15	0.40
Dead+Wind 0 deg - Service	58.31	0.00	-9.05	-1017.17	-0.25	-0.15
Dead+Wind 30 deg - Service	58.31	4.54	-7.84	-881.42	-510.94	-0.60
Dead+Wind 60 deg - Service	58.31	7.86	-4.53	-509.71	-884.56	-0.89
Dead+Wind 90 deg - Service	58.31	9.08	-0.00	-1.64	-1021.02	-0.94

Load Combination	Vertical	Shear <sub>x</sub>	Shear <sub>z</sub>	Overturing Moment, M <sub>x</sub>	Overturing Moment, M <sub>z</sub>	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead+Wind 120 deg - Service	58.31	7.86	4.52	506.64	-883.73	-0.74
Dead+Wind 150 deg - Service	58.31	4.54	7.83	878.96	-509.50	-0.33
Dead+Wind 180 deg - Service	58.31	-0.00	9.05	1015.54	1.41	0.16
Dead+Wind 210 deg - Service	58.31	-4.54	7.84	879.79	512.10	0.60
Dead+Wind 240 deg - Service	58.31	-7.86	4.53	508.09	885.72	0.89
Dead+Wind 270 deg - Service	58.31	-9.08	0.00	0.02	1022.17	0.94
Dead+Wind 300 deg - Service	58.31	-7.86	-4.52	-508.27	884.89	0.74
Dead+Wind 330 deg - Service	58.31	-4.54	-7.83	-880.58	510.66	0.34

## Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-58.31	0.00	0.00	58.31	0.00	0.000%
2	0.01	-69.98	-35.90	-0.01	69.98	35.90	0.000%
3	0.01	-52.48	-35.90	-0.01	52.48	35.90	0.000%
4	18.02	-69.98	-31.10	-18.02	69.98	31.10	0.000%
5	18.02	-52.48	-31.10	-18.02	52.48	31.10	0.000%
6	31.20	-69.98	-17.96	-31.20	69.98	17.96	0.000%
7	31.20	-52.48	-17.96	-31.20	52.48	17.96	0.000%
8	36.02	-69.98	-0.01	-36.02	69.98	0.01	0.000%
9	36.02	-52.48	-0.01	-36.02	52.48	0.01	0.000%
10	31.19	-69.98	17.94	-31.19	69.98	-17.94	0.000%
11	31.19	-52.48	17.94	-31.19	52.48	-17.94	0.000%
12	18.00	-69.98	31.08	-18.00	69.98	-31.08	0.000%
13	18.00	-52.48	31.08	-18.00	52.48	-31.08	0.000%
14	-0.01	-69.98	35.90	0.01	69.98	-35.90	0.000%
15	-0.01	-52.48	35.90	0.01	52.48	-35.90	0.000%
16	-18.02	-69.98	31.10	18.02	69.98	-31.10	0.000%
17	-18.02	-52.48	31.10	18.02	52.48	-31.10	0.000%
18	-31.20	-69.98	17.96	31.20	69.98	-17.96	0.000%
19	-31.20	-52.48	17.96	31.20	52.48	-17.96	0.000%
20	-36.02	-69.98	0.01	36.02	69.98	-0.01	0.000%
21	-36.02	-52.48	0.01	36.02	52.48	-0.01	0.000%
22	-31.19	-69.98	-17.94	31.19	69.98	17.94	0.000%
23	-31.19	-52.48	-17.94	31.19	52.48	17.94	0.000%
24	-18.00	-69.98	-31.08	18.00	69.98	31.08	0.000%
25	-18.00	-52.48	-31.08	18.00	52.48	31.08	0.000%
26	0.00	-92.80	0.00	0.00	92.80	0.00	0.000%
27	0.00	-92.80	-10.57	-0.00	92.80	10.57	0.000%
28	5.30	-92.80	-9.15	-5.30	92.80	9.15	0.000%
29	9.17	-92.80	-5.29	-9.17	92.80	5.29	0.000%
30	10.59	-92.80	-0.00	-10.59	92.80	0.00	0.000%
31	9.17	-92.80	5.28	-9.17	92.80	-5.28	0.000%
32	5.29	-92.80	9.15	-5.29	92.80	-9.15	0.000%
33	-0.00	-92.80	10.57	0.00	92.80	-10.57	0.000%
34	-5.30	-92.80	9.15	5.30	92.80	-9.15	0.000%
35	-9.17	-92.80	5.29	9.17	92.80	-5.29	0.000%
36	-10.59	-92.80	0.00	10.59	92.80	-0.00	0.000%
37	-9.17	-92.80	-5.28	9.17	92.80	5.28	0.000%
38	-5.29	-92.80	-9.15	5.29	92.80	9.15	0.000%
39	0.00	-58.31	-9.05	-0.00	58.31	9.05	0.000%
40	4.54	-58.31	-7.84	-4.54	58.31	7.84	0.000%
41	7.86	-58.31	-4.53	-7.86	58.31	4.53	0.000%
42	9.08	-58.31	-0.00	-9.08	58.31	0.00	0.000%
43	7.86	-58.31	4.52	-7.86	58.31	-4.52	0.000%
44	4.54	-58.31	7.83	-4.54	58.31	-7.83	0.000%

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
45	-0.00	-58.31	9.05	0.00	58.31	-9.05	0.000%
46	-4.54	-58.31	7.84	4.54	58.31	-7.84	0.000%
47	-7.86	-58.31	4.53	7.86	58.31	-4.53	0.000%
48	-9.08	-58.31	0.00	9.08	58.31	-0.00	0.000%
49	-7.86	-58.31	-4.52	7.86	58.31	4.52	0.000%
50	-4.54	-58.31	-7.83	4.54	58.31	7.83	0.000%

### Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.0000001	0.0000001
2	Yes	4	0.0000001	0.00015365
3	Yes	4	0.0000001	0.00008419
4	Yes	5	0.0000001	0.00017707
5	Yes	5	0.0000001	0.00008568
6	Yes	5	0.0000001	0.00020099
7	Yes	5	0.0000001	0.00009788
8	Yes	4	0.0000001	0.00082311
9	Yes	4	0.0000001	0.00055291
10	Yes	5	0.0000001	0.00017320
11	Yes	5	0.0000001	0.00008381
12	Yes	5	0.0000001	0.00019005
13	Yes	5	0.0000001	0.00009243
14	Yes	4	0.0000001	0.00016518
15	Yes	4	0.0000001	0.00009353
16	Yes	5	0.0000001	0.00019424
17	Yes	5	0.0000001	0.00009451
18	Yes	5	0.0000001	0.00017313
19	Yes	5	0.0000001	0.00008371
20	Yes	4	0.0000001	0.00080193
21	Yes	4	0.0000001	0.00053871
22	Yes	5	0.0000001	0.00019829
23	Yes	5	0.0000001	0.00009651
24	Yes	5	0.0000001	0.00017861
25	Yes	5	0.0000001	0.00008649
26	Yes	4	0.0000001	0.00000001
27	Yes	5	0.0000001	0.00009898
28	Yes	5	0.0000001	0.00010991
29	Yes	5	0.0000001	0.00011082
30	Yes	5	0.0000001	0.00009902
31	Yes	5	0.0000001	0.00010891
32	Yes	5	0.0000001	0.00010912
33	Yes	5	0.0000001	0.00009800
34	Yes	5	0.0000001	0.00010968
35	Yes	5	0.0000001	0.00010938
36	Yes	5	0.0000001	0.00009931
37	Yes	5	0.0000001	0.00011085
38	Yes	5	0.0000001	0.00011003
39	Yes	4	0.0000001	0.00002916
40	Yes	4	0.0000001	0.00009456
41	Yes	4	0.0000001	0.00012840
42	Yes	4	0.0000001	0.00005901
43	Yes	4	0.0000001	0.00009284
44	Yes	4	0.0000001	0.00011029
45	Yes	4	0.0000001	0.00002912
46	Yes	4	0.0000001	0.00011675
47	Yes	4	0.0000001	0.00009378
48	Yes	4	0.0000001	0.00005879
49	Yes	4	0.0000001	0.00012433
50	Yes	4	0.0000001	0.00009585

### Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	163.007 - 121.587	13.986	48	0.6677	0.0025
L2	127.42 - 84.67	9.097	48	0.6241	0.0018
L3	91.3367 - 42.2067	4.830	48	0.4817	0.0010
L4	49.79 - 0	1.486	48	0.2658	0.0004

### Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
158.00	SC229-SFXLDF	48	13.282	0.6647	0.0025	151269
157.00	HBXX-6516DS-A2M_T-MOBILE w/ Mount Pipe	48	13.141	0.6641	0.0024	126085
149.00	BSF0020F3V1	48	12.022	0.6581	0.0023	54071
139.00	MX08FRO665-21 w/ Mount Pipe	48	10.644	0.6466	0.0021	31547
119.00	(2) NNHH-65B-R4 w/ Mount Pipe	48	8.018	0.5994	0.0017	18424
106.00	ANT150D6-9	48	6.444	0.5495	0.0013	15253
21.00	KS24019-L112A	48	0.419	0.1120	0.0002	19616

### Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	163.007 - 121.587	55.787	20	2.6640	0.0101
L2	127.42 - 84.67	36.289	20	2.4902	0.0073
L3	91.3367 - 42.2067	19.266	20	1.9219	0.0040
L4	49.79 - 0	5.924	20	1.0600	0.0016

### Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
158.00	SC229-SFXLDF	20	52.978	2.6521	0.0097	38149
157.00	HBXX-6516DS-A2M_T-MOBILE w/ Mount Pipe	20	52.418	2.6496	0.0097	31798
149.00	BSF0020F3V1	20	47.955	2.6259	0.0091	13636
139.00	MX08FRO665-21 w/ Mount Pipe	20	42.460	2.5802	0.0083	7955
119.00	(2) NNHH-65B-R4 w/ Mount Pipe	20	31.983	2.3917	0.0066	4637
106.00	ANT150D6-9	20	25.706	2.1925	0.0053	3833
21.00	KS24019-L112A	20	1.669	0.4466	0.0006	4917

### Compression Checks

### Pole Design Data

Section No.	Elevation ft	Size	L ft	$L_u$ ft	$KI/r$	A $in^2$	$P_u$ K	$\phi P_n$ K	Ratio $\frac{P_u}{\phi P_n}$
L1	163.007 - 121.587 (1)	TP42.37x34.28x0.3125	41.42	0.00	0.0	40.585 7	-16.85	2374.26	0.007
L2	121.587 - 84.67 (2)	TP48.83x40.6057x0.375	42.75	0.00	0.0	56.147 0	-31.06	3284.60	0.009
L3	84.67 - 42.2067 (3)	TP56.25x46.7975x0.4375	49.13	0.00	0.0	75.476 6	-46.30	4415.38	0.010
L4	42.2067 - 0 (4)	TP63.5x53.916x0.5	49.79	0.00	0.0	99.981 0	-69.96	5848.89	0.012

### Pole Bending Design Data

Section No.	Elevation ft	Size	$M_{ux}$ kip-ft	$\phi M_{nx}$ kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	$M_{uy}$ kip-ft	$\phi M_{ny}$ kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	163.007 - 121.587 (1)	TP42.37x34.28x0.3125	369.84	2309.38	0.160	0.00	2309.38	0.000
L2	121.587 - 84.67 (2)	TP48.83x40.6057x0.375	1199.70	3734.23	0.321	0.00	3734.23	0.000
L3	84.67 - 42.2067 (3)	TP56.25x46.7975x0.4375	2392.68	5807.86	0.412	0.00	5807.86	0.000
L4	42.2067 - 0 (4)	TP63.5x53.916x0.5	4073.66	8875.75	0.459	0.00	8875.75	0.000

### Pole Shear Design Data

Section No.	Elevation ft	Size	Actual $V_u$ K	$\phi V_n$ K	Ratio $\frac{V_u}{\phi V_n}$	Actual $T_u$ kip-ft	$\phi T_n$ kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	163.007 - 121.587 (1)	TP42.37x34.28x0.3125	17.30	712.28	0.024	3.13	2552.38	0.001
L2	121.587 - 84.67 (2)	TP48.83x40.6057x0.375	26.19	985.38	0.027	3.82	4070.72	0.001
L3	84.67 - 42.2067 (3)	TP56.25x46.7975x0.4375	31.13	1324.61	0.024	3.82	6305.17	0.001
L4	42.2067 - 0 (4)	TP63.5x53.916x0.5	36.05	1754.67	0.021	3.71	9680.92	0.000

### Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	163.007 - 121.587 (1)	0.007	0.160	0.000	0.024	0.001	0.168	1.050	4.8.2
L2	121.587 - 84.67 (2)	0.009	0.321	0.000	0.027	0.001	0.331	1.050	4.8.2
L3	84.67 - 42.2067 (3)	0.010	0.412	0.000	0.024	0.001	0.423	1.050	4.8.2
L4	42.2067 - 0 (4)	0.012	0.459	0.000	0.021	0.000	0.471	1.050	4.8.2

### Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\phi P_{allow}$ K	% Capacity	Pass Fail	
L1	163.007 - 121.587	Pole	TP42.37x34.28x0.3125	1	-16.85	2492.97	16.0	Pass	
L2	121.587 - 84.67	Pole	TP48.83x40.6057x0.375	2	-31.06	3448.83	31.6	Pass	
L3	84.67 - 42.2067	Pole	TP56.25x46.7975x0.4375	3	-46.30	4636.15	40.3	Pass	
L4	42.2067 - 0	Pole	TP63.5x53.916x0.5	4	-69.96	6141.33	44.9	Pass	
							Summary		
							Pole (L4)	44.9	Pass
							<b>RATING =</b>	<b>44.9</b>	<b>Pass</b>



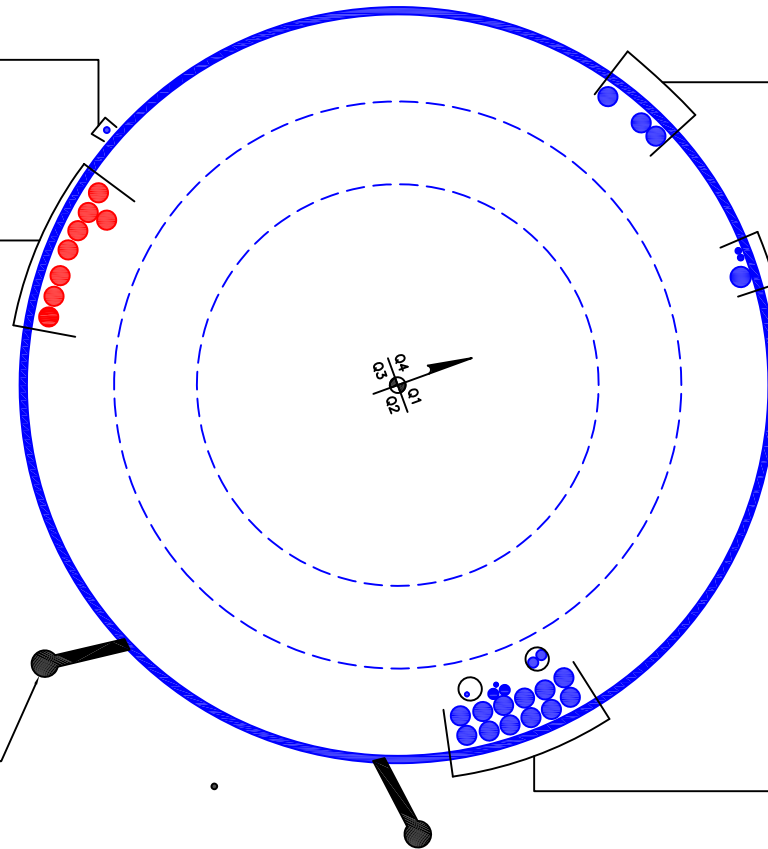
**APPENDIX B**  
**BASE LEVEL DRAWING**



(OTHER CONSIDERED EQUIPMENT)  
(1) 1/2" TO 21 FT LEVEL

(PROPOSED EQUIPMENT CONFIGURATION)  
(7) 1-5/8" TO 149 FT LEVEL

CLIMBING PEGS  
W/ SAFETY CLIMB



(OTHER CONSIDERED EQUIPMENT)  
(3) 1-5/8" TO 157 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)  
(1) 1-3/4" TO 139 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)  
(1) 1/2" TO 106 FT LEVEL  
(1) 1/2" TO 158 FT LEVEL

(OTHER CONSIDERED EQUIPMENT—IN CONDUIT)  
(1) 3/8" TO 119 FT LEVEL  
(2) 7/8" TO 119 FT LEVEL  
(OTHER CONSIDERED EQUIPMENT)  
(1) 3/8" TO 119 FT LEVEL  
(2) 7/8" TO 119 FT LEVEL  
(12) 1-5/8" TO 119 FT LEVEL

**APPENDIX C**  
**ADDITIONAL CALCULATIONS**

# Monopole Base Plate Connection

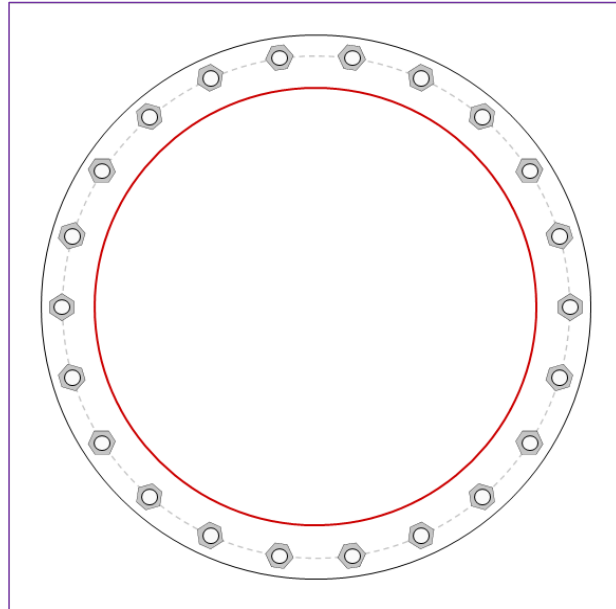


Site Info	
BU #	876379
Site Name	OODBURY / WOLFF PA
Order #	654516 REV.0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
$l_{ar}$ (in)	0.5

Applied Loads	
Moment (kip-ft)	4073.66
Axial Force (kips)	69.96
Shear Force (kips)	36.05

\*TIA-222-H Section 15.5 Applied



Connection Properties	Analysis Results
-----------------------	------------------

Anchor Rod Data
(22) 2-1/4" $\phi$ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 73" BC
Base Plate Data
79" OD x 2.5" Plate (A871 GR60; $F_y=60$ ksi, $F_u=75$ ksi)
Stiffener Data
N/A
Pole Data
63.5" x 0.5" 18-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)

Anchor Rod Summary	<i>(units of kips, kip-in)</i>	
$Pu_t = 118.53$	$\phi Pn_t = 243.75$	<b>Stress Rating</b>
$Vu = 1.64$	$\phi Vn = 149.1$	<b>46.3%</b>
$Mu = n/a$	$\phi Mn = n/a$	<b>Pass</b>
Base Plate Summary		
Max Stress (ksi):	25.12	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	<b>44.3%</b>	<b>Pass</b>

## Drilled Pier Foundation

BU # :	876379
Site Name:	N. WOODWAY / WOLFF P.
Order Number:	654616 REV.0
TIA-222 Revison:	H
Tower Type:	Monopole



Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	4073.66	
Axial Force (kips)	69.98	
Shear Force (kips)	36.02	

Material Properties		
Concrete Strength, fc:	4	ksi
Rebar Strength, Fy:	60	ksi
Tie Yield Strength, Fyt:	40	ksi

Rebar 2, Fy  
Override  
(ksi)

Pier Design Data	
Depth	28 ft
Ext. Above Grade	1 ft
Pier Section 1	
<i>From 1' above grade to 28' below grade</i>	
Pier Diameter	8 ft
Rebar Quantity	32
Rebar Size	11
Clear Cover to Ties	4 in
Tie Size	5
Tie Spacing	in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	Compression	Uplift
D <sub>v=0</sub> (ft from TOC)	7.60	-
Soil Safety Factor	5.17	-
Max Moment (kip-ft)	4307.45	-
Rating*	24.5%	-
Soil Vertical Check	Compression	Uplift
Skin Friction (kips)	557.95	-
End Bearing (kips)	1206.37	-
Weight of Concrete (kips)	211.52	-
Total Capacity (kips)	1764.32	-
Axial (kips)	281.50	-
Rating*	15.2%	-
Reinforced Concrete Flexure	Compression	Uplift
Critical Depth (ft from TOC)	7.29	-
Critical Moment (kip-ft)	4306.63	-
Critical Moment Capacity	9258.90	-
Rating*	44.3%	-
Reinforced Concrete Shear	Compression	Uplift
Critical Depth (ft from TOC)	20.62	-
Critical Shear (kip)	428.38	-
Critical Shear Capacity	803.27	-
Rating*	50.8%	-
<b>Structural Foundation Rating*</b>	<b>50.8%</b>	
<b>Soil Interaction Rating*</b>	<b>24.5%</b>	

\*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	<input checked="" type="checkbox"/>
N/A	<input type="checkbox"/>
Additional Longitudinal Rebar	
Input Effective Depths (else Actual):	<input checked="" type="checkbox"/>
Shear Design Options	
Check Shear along Depth of Pier:	<input checked="" type="checkbox"/>
Utilize Shear-Friction Methodology:	<input type="checkbox"/>
Override Critical Depth:	<input type="checkbox"/>

[Go to Soil Calculations](#)

Soil Profile														
Groundwater Depth	14.5				# of Layers	4								
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	Y <sub>soil</sub> (pcf)	Y <sub>concrete</sub> (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	4	4	135	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	4	14.5	10.5	135	150	0	38	0.000	0.000	0.80	0.80			Cohesionless
3	14.5	15	0.5	75	87.6	0	38	0.000	0.000	0.80	0.80			Cohesionless
4	15	28	13	75	87.6	0	38	0.000	0.000	1.60	1.60	32		Cohesionless

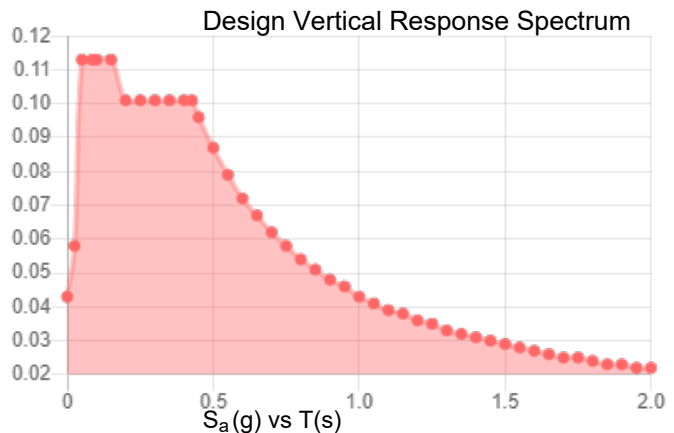
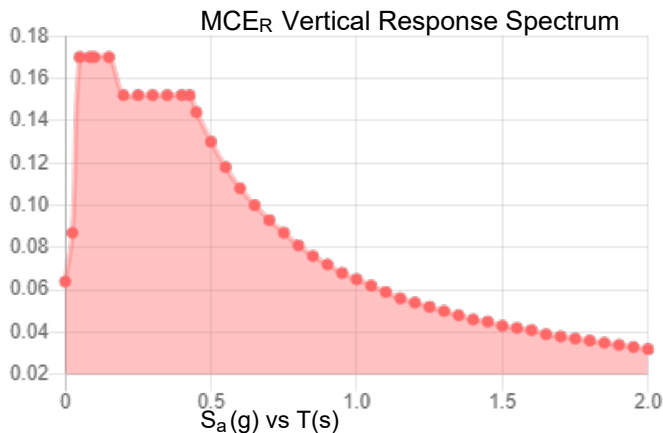
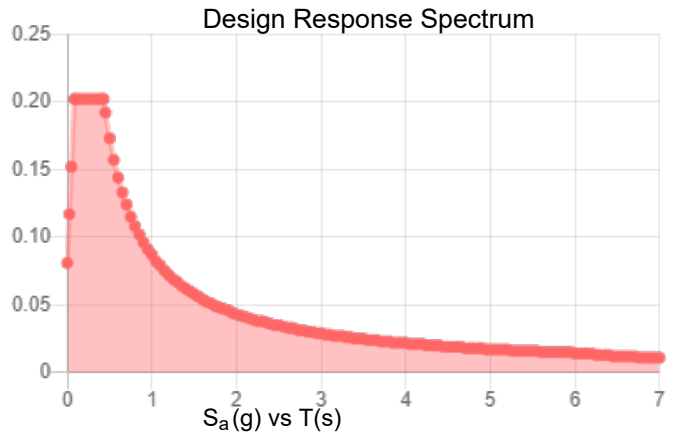
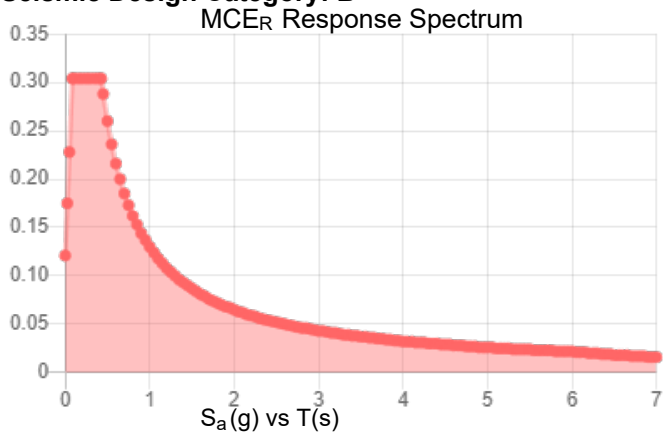


**Site Soil Class:**

**Results:**

$S_s$ :	0.19	$S_{D1}$ :	0.087
$S_1$ :	0.054	$T_L$ :	6
$F_a$ :	1.6	PGA :	0.104
$F_v$ :	2.4	PGA <sub>M</sub> :	0.166
$S_{MS}$ :	0.304	$F_{PGA}$ :	1.592
$S_{M1}$ :	0.13	$I_e$ :	1
$S_{DS}$ :	0.202	$C_v$ :	0.7

**Seismic Design Category: B**



**Data Accessed:**

**Tue Aug 01 2023**

**Date Source:**

**USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.**



## Ice

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**Results:**

Ice Thickness: 1.00 in.  
Concurrent Temperature: 15 F  
Gust Speed 50 mph

**Data Source:** Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

**Date Accessed:** Tue Aug 01 2023

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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