



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

March 18, 2024

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

**RE: Notice of Exempt Modification for Verizon Wireless: 5000383506**  
**Crown Site ID# 842859**  
**371 Terryville Ave, Bristol, CT 06010**  
**Latitude: 41° 40' 47.70" / Longitude: -72° 57' 45.18"**

Dear Ms. Bachman:

Verizon Wireless currently maintains twelve (12) antennas at the 140-foot mount on the existing 171-foot monopole tower located at 371 Terryville Ave, Bristol, CT. The property is owned by Laviero Realty Trust and the tower is owned by Crown Castle. Verizon now intends to add two (2) interference mitigation filters at the 140ft level. This modification/proposal includes hardware that is both 4G (LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

**Panned Modification:**

**2**

**Tower:**

Install New:

(2) Kaelus BSF0020F3V1- Interference Mitigation Filters

The facility was approved by the City of Bristol Planning & Zoning Commission on December 9, 2003.

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. § 16-50j-73, a copy of this letter is being sent to Jeffrey Gaggiano, Mayor, City of Bristol, Richard Brown, CBO, City of Bristol. Laviero Realty Trust is the landowner and Crown Castle is the tower owner.

1. The proposed modifications will not result in an increase in the height of the existing tower.
2. The proposed modifications will not require the extension of the site boundary.
3. 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.

4. 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.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, Verizon Wireless 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: Jeffrey Barbadora.

Sincerely,



Jeffrey Barbadora  
Permitting Specialist  
1800 W. Park Drive  
Westborough, MA 01581  
(781) 970-0053  
Jeff.Barbadora@crowncastle.com

Attachments

cc:

Jeffrey Gaggiano, Mayor  
City of Bristol  
111 North Main Street, 3<sup>rd</sup> fl.  
Bristol, CT 06010  
860-584-6250

Richard Brown, CBO  
City of Bristol  
111 North Main Street, 2<sup>nd</sup> fl.  
Bristol, CT 06010  
860-584-6220

Laviero Realty Trust  
70 Maureen Drive  
Bristol, CT 06010

Crown Castle, Tower Owner



# ZONING PERMIT

CITY OF BRISTOL ZONING COMMISSION

THIS IS TO CERTIFY that in accordance with Section XII.D of the Zoning Regulations, This Permit is hereby granted.

### PROPERTY INFORMATION

Location: 371 Terrville Avenue  
Zoning District: I, Property Use: Telecommunications

### TYPE OF PERMIT

- New Construction
- Addition
- Accessory Structure
- Fence
- Deck
- Swimming Pool
- Home Business/Office
- Change of Use
- Other: see Below

<u>SIGNS</u>		
Classification:	<input type="checkbox"/> Permanent	<input type="checkbox"/> Temporary (30-day) <input type="checkbox"/> Portable (1-Year)
Type:	<input type="checkbox"/> Wall <input type="checkbox"/> Freestanding	<input type="checkbox"/> A-Frame <input type="checkbox"/> Sandwich <input type="checkbox"/> Other: _____

### DESCRIPTION OF ACTIVITY

Construct telecommunications facility, 171' high tower retaining walls & associated equipment per submitted plans

### OTHER APPROVALS

Description: at Site Council approval 4/3/02

### APPLICANT INFORMATION

Applicant Name(s): Peter Maxwell  
Business Name: URS Corp.

This permit is based upon the plan submitted. Falsification, by misrepresentation or omission, or failure to comply with the conditions of approval of this permit shall constitute a violation of the City of Bristol Zoning Regulations.

Approved by: [Signature]      12/9/03  
Zoning Enforcement Officer      Date Issued

# TERRYVILLE AVE

Location TERRYVILLE AVE

Mblu 61 / 67-3 / 1

Acct# 0272831

Owner LAVIERO REALTY LLC

Assessment \$166,880

Appraisal \$238,400

PID 101154

Building Count 1

## Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2018	\$115,500	\$122,900	\$238,400
Assessment			
Valuation Year	Improvements	Land	Total
2018	\$80,850	\$86,030	\$166,880

## Owner of Record

Owner LAVIERO REALTY LLC  
 Co-Owner  
 Address 70 MAUREEN DR  
 BRISTOL, CT 06010

Sale Price \$0  
 Certificate  
 Book & Page 1564/0795  
 Sale Date 06/08/2004  
 Instrument 06

## Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
LAVIERO REALTY LLC	\$0		1564/0795	06	06/08/2004

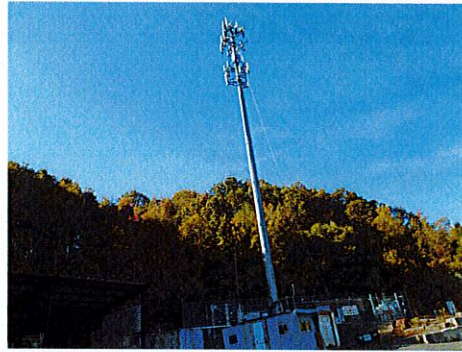
## Building Information

### Building 1 : Section 1

Year Built:  
 Living Area: 0  
 Replacement Cost: \$0  
 Building Percent Good:  
 Replacement Cost  
 Less Depreciation: \$0

Building Attributes	
Field	Description
Style:	Outbuildings
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	

## Building Photo



[https://images.vgsi.com/photos2/BristolCTPhotos//0053/DSC04022\\_5363](https://images.vgsi.com/photos2/BristolCTPhotos//0053/DSC04022_5363)

## Building Layout

[Building Layout \(ParcelSketch.ashx?pid=101154&bid=40915\)](#)

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Heat Type:  
 AC Type:  
 Total Bedrooms:  
 Total Bthrms:  
 Total Half Baths:  
 Total Xtra Fixtrs:  
 Total Rooms:  
 Bath Style:  
 Kitchen Style:  
 Num Kitchens  
 Attic  
 Bsmt  
 Bsmt Gar  
 Fireplaces\_2  
 Fin Bsmt  
 Fin Bsmt Qual  
 Num Park  
 Fireplaces  
 Usrld 108  
 Usrld 101  
 Usrld 102  
 MHP  
 Usrld 300  
 Usrld 301  
 Usrld 302  
 Usrld 304  
 FndIn Cndtn  
 Basement  
 Usrld 701  
 Usrld 305  
 Usrld 900  
 Usrld 901  
 Usrld 303  
 Usrld 706

**Extra Features**

**Extra Features**

**Legend**

No Data for Extra Features

**Land**

**Land Use**

Use Code 302  
 Description Ind Vac Lnd  
 Zone I  
 Neighborhood  
 Alt Land Appr No  
 Category

**Land Line Valuation**

Size (Acres) 0.63  
 Frontage  
 Depth  
 Assessed Value \$86,030  
 Appraised Value \$122,900

**Outbuildings**

**Outbuildings**

**Legend**

Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
CB3	PreCastConcCel			290.00 S.F.	\$0	1
FN4	Fence 8'			290.00 L.F.	\$3,000	1
CELL	Cell Tower/Site			1.00 UNITS	\$112,500	1

**Appraisal**

<b>Valuation Year</b>	<b>Improvements</b>	<b>Land</b>	<b>Total</b>
2023	\$115,500	\$122,900	\$238,400
2022	\$115,500	\$122,900	\$238,400
2021	\$107,900	\$106,800	\$214,700

**Assessment**

<b>Valuation Year</b>	<b>Improvements</b>	<b>Land</b>	<b>Total</b>
2023	\$80,850	\$86,030	\$166,880
2022	\$80,850	\$86,030	\$166,880
2021	\$75,530	\$74,760	\$150,290

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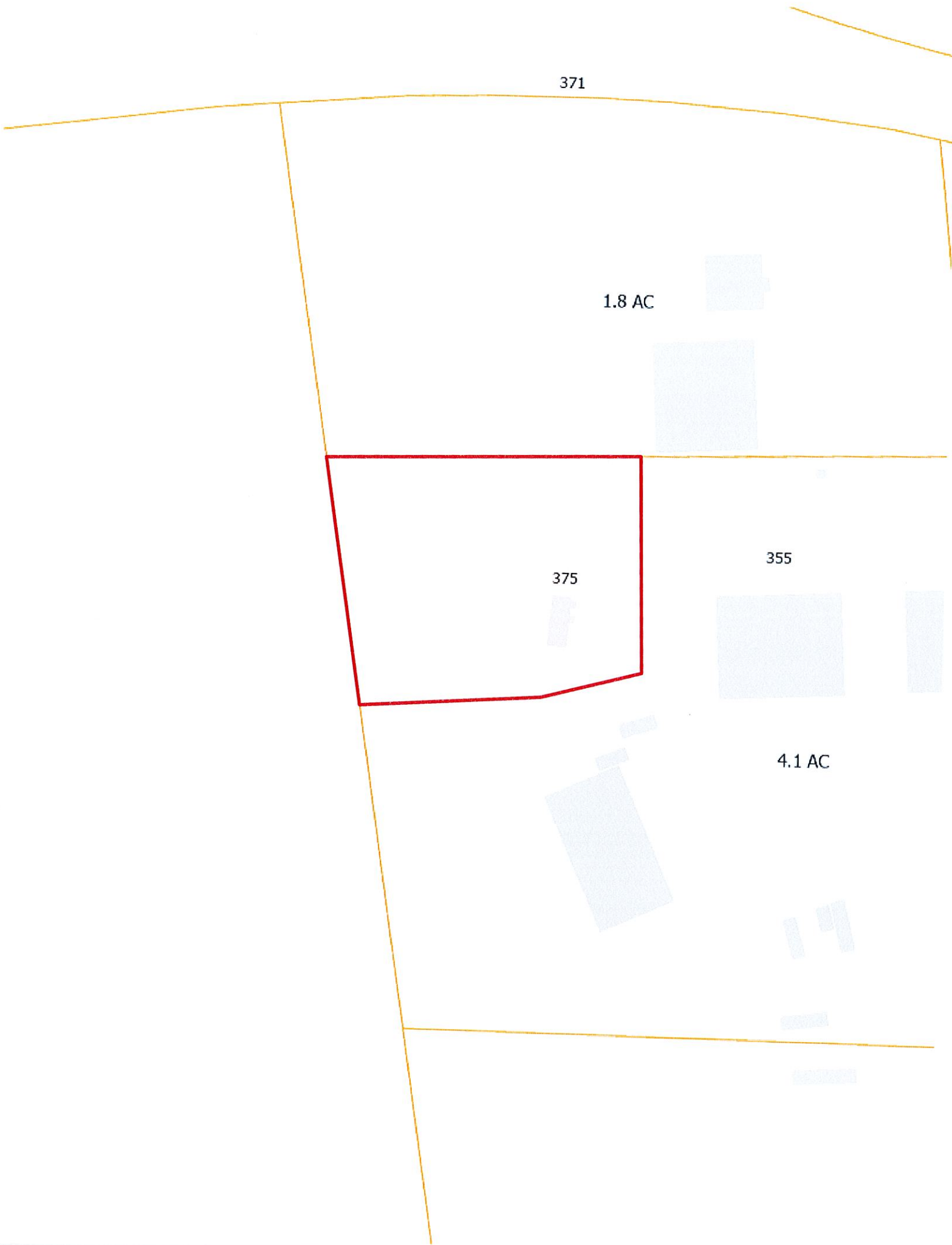
371

1.8 AC

375

355

4.1 AC



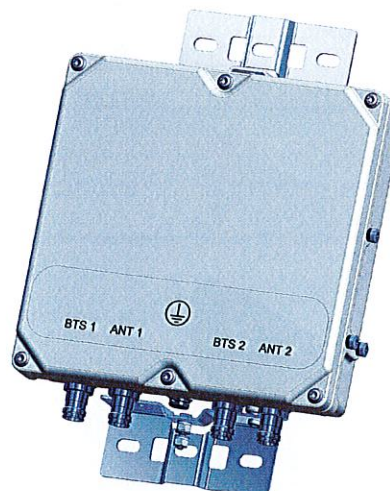
# BSF0020F3V1-1

## 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

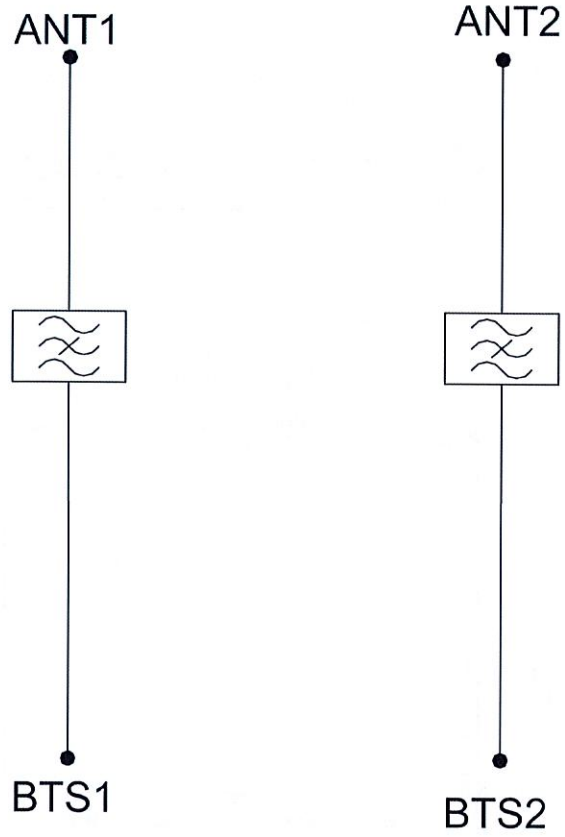


### TECHNICAL SPECIFICATIONS

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.	



ELECTRICAL BLOCK DIAGRAM



**Barbadora, Jeff**

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**From:** TrackingUpdates@fedex.com  
**Sent:** Tuesday, March 19, 2024 11:02 AM  
**To:** Barbadora, Jeff  
**Subject:** FedEx Shipment 775589027013: Your package has been delivered

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



Hi. Your package was  
delivered Tue, 03/19/2024 at  
10:55am.



Delivered to 111 N MAIN ST 3, BRISTOL, CT 06010  
Received by S.KRISTEN

[OBTAIN PROOF OF DELIVERY](#)

# How was your delivery ?



TRACKING NUMBER	<a href="#">775589027013</a>
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	City of Bristol Jeffrey Gaggiano, Mayor 111 North Main Street 3rd Floor BRISTOL, CT, US, 06010
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 3/18/2024 06:35 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	BRISTOL, CT, US, 06010
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Standard Overnight

**Barbadora, Jeff**

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**From:** TrackingUpdates@fedex.com  
**Sent:** Tuesday, March 19, 2024 11:01 AM  
**To:** Barbadora, Jeff  
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Hi. Your package was  
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10:54am.



Delivered to 111 N MAIN ST 2, BRISTOL, CT 06010  
Received by M.RICHARD

[OBTAIN PROOF OF DELIVERY](#)

# How was your delivery ?



TRACKING NUMBER	<a href="#">775589066205</a>
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	City of Bristol Richard Brown, CBO 111 North Main Street 2nd Floor BRISTOL, CT, US, 06010
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 3/18/2024 06:35 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	BRISTOL, CT, US, 06010
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Standard Overnight

**Barbadora, Jeff**

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**From:** TrackingUpdates@fedex.com  
**Sent:** Tuesday, March 19, 2024 3:12 PM  
**To:** Barbadora, Jeff  
**Subject:** FedEx Shipment 775589229537: Your package has been delivered  
**Attachments:** DeliveryPicture.jpeg

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Hi. Your package was  
delivered Tue, 03/19/2024 at  
3:05pm.



Delivered to 70 MAUREEN DR, BRISTOL, CT 06010

[OBTAIN PROOF OF DELIVERY](#)



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

## How was your delivery ?



<b>TRACKING NUMBER</b>	<a href="#">775589229537</a>
<b>FROM</b>	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
<b>TO</b>	Laviero Realty Trust Laviero Realty Trust 70 Maureen Drive BRISTOL, CT, US, 06010
<b>REFERENCE</b>	799001.7680
<b>SHIPPER REFERENCE</b>	799001.7680
<b>SHIP DATE</b>	Mon 3/18/2024 06:35 PM
<b>DELIVERED TO</b>	Residence
<b>PACKAGING TYPE</b>	FedEx Envelope
<b>ORIGIN</b>	WESTBOROUGH, MA, US, 01581
<b>DESTINATION</b>	BRISTOL, CT, US, 06010



MORRISON HERSHFIELD

Date: January 12, 2024

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 379-8500

Subject: Structural Analysis Report
Carrier Designation: Verizon Wireless Co-Locate
Site Number: 5000383506
Site Name: Bristol W 2 CT
Crown Castle Designation: BU Number: 842859
Site Name: Bristol Center
JDE Job Number: 751348
Work Order Number: 2277823
Order Number: 654581 Rev. 1
Engineering Firm Designation: Morrison Hershfield Project Number: CN8-652R5 / 2400001
Site Data: 371 Terryville Avenue, Bristol, Hartford County, CT 06010
Latitude 41° 40' 47.70", Longitude -72° 57' 45.18"
168.5 Foot – EEI Monopole Tower

Morrison Hershfield 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:

LC7: Proposed Equipment Configuration Sufficient Capacity – 88.9%

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.

Respectfully submitted by:

G. Lance Cooke, P.E. (CT License No. PEN.0028133)
Senior Engineer



Digitally signed by G.
Lance Cooke
Date: 2024.01.12
19:13:15+05'30'

EXP 1/31/2024



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tnxTower Output

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## 1) INTRODUCTION

This tower is a 168.5 ft monopole tower designed by Engineered Endeavors, Inc.

The tower was modified multiple times in the past to accommodate additional loading. Modifications are incorporated in this analysis per the post modification inspection reports.

## 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)
140.0	141.0	3	samsung telecommunications	RFV01U-D1A	7 1	1-5/8 1-1/4
		3	samsung telecommunications	RFV01U-D2A		
		1	raycap	RCMDC-6627-PF-48		
	140.0	3	antel	BXA-70063/4CF w/ Mount Pipe		
		3	commscope	NHH-65B-R2B		
		3	commscope	NHHSS-65B-R2B		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		2	kaelus	BSF0020F3V1		
		3	samsung telecommunications	CBRS RT4401-48A		
		3	-	Dual Antenna Mounting Kit		
		1	-	Platform Mount [LP 303-1_HR-1]		

**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)
168.0	172.0	3	ericsson	AIR 6419 B77G w/ Mount Pipe	6 6 5 5 1	1-5/8 13/16 7/8 3/8 2C
	170.0	1	matsing	MS-MBA-3.2-H4-L4 w/ Mount Pipe		
		1	quintel technology	QD6616-7 w/ Mount Pipe		
		2	quintel technology	QD8616-7 w/ Mount Pipe		
		5	kaelus	DBC0051F3V51-2		
		2	ericsson	RRUS 4426 B66		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
168.0	170.0	3	ericsson	RRUS 8843 B2/B66A	-	-
		1	raycap	DC9-48-60-24-8C-EV		
	169.0	3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS 32 B30		
		3	ericsson	RRUS 4415 B25		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS E2 B29		
		4	raycap	DC6-48-60-18-8F		
	168.0	1	cci antennas	DMP65R-BU6D w/ Mount Pipe		
		1	cci antennas	DMP65R-BU8D w/ Mount Pipe		
		3	ericsson	AIR 6449 B77D w/ Mount Pipe		
		1	-	Platform Mount [LP 303-1_KCKR-HR-1]		
	157.0	158.0	3	ericsson		
3			rfs/celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
3			ericsson	RADIO 4460 B2/B25 B66_TMO		
3			ericsson	Radio 4480_TMOV2		
157.0		1	-	Pipe Mount [PM 601-3]		
		1	-	Sector Mount [SM 502-3]		
147.0	150.0	3	fujitsu	TA08025-B604	1	1-3/4
		3	fujitsu	TA08025-B605		
	148.0	3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
	147.0	1	tower mounts	Sabre C10801018-32788		
	146.0	1	raycap	RDIDC-9181-PF-48		
128.0	130.0	3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	12 1	1-5/8 1-1/4
		3	ericsson	ERICSSON AIR 21 B4A B2P w/ Mount Pipe		
		3	ericsson	KRY 112 144/1		
	128.0	1	-	Platform Mount [LP 303-1]		

### 3) ANALYSIS PROCEDURE

**Table 3 - Documents Provided**

Document	Reference	Source
4-GEOTECHNICAL REPORTS	5452600	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	4529295	CCISITES
4-TOWER MANUFACTURER DRAWINGS	5135435	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	5111174	CCISITES
4-POST-MODIFICATION INSPECTION	5839578	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	4964264	CCISITES
4-POST-MODIFICATION INSPECTION	5595874	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	5111173	CCISITES
4-POST-MODIFICATION INSPECTION	5114340	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	5907572	CCISITES
4-POST-MODIFICATION INSPECTION	6121087	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	8800798	CCISITES
4-POST-MODIFICATION INSPECTION	9239992	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	10203938	CCISITES
4-POST-MODIFICATION INSPECTION	10793214	CCISITES

#### 3.1) Analysis Method

tnxTower (version 8.2.2.0), 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.

tnxTower was used to determine the loads on the modified structure. Additional calculations were performed to determine the stresses in the pole and in the reinforcing elements. These calculations are presented in Appendix C.

#### 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. Morrison Hershfield 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	% Capacity	Pass / Fail
L1	168.5 - 163.5	Pole	TP19.834x19x0.1875	Pole	14.4	Pass
L2	163.5 - 158.5	Pole	TP20.669x19.834x0.1875	Pole	25.1	Pass
L3	158.5 - 153.5	Pole	TP21.503x20.669x0.1875	Pole	40.4	Pass
L4	153.5 - 148.5	Pole	TP22.337x21.503x0.1875	Pole	54.7	Pass
L5	148.5 - 143.5	Pole	TP23.171x22.337x0.1875	Pole	70.8	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L6	143.5 - 138.5	Pole	TP24.006x23.171x0.1875	Pole	87.2	Pass
L7	138.5 - 138	Pole	TP24.089x24.006x0.1875	Pole	88.9	Pass
L8	138 - 137.75	Pole + Reinf.	TP24.131x24.089x0.2313	Pole	81.5	Pass
L9	137.75 - 136.75	Pole + Reinf.	TP24.298x24.131x0.2313	Pole	84.6	Pass
L10	136.75 - 136.5	Pole + Reinf.	TP24.339x24.298x0.4375	Reinf. 18 Tension Rupture	66.0	Pass
L11	136.5 - 134.33	Pole + Reinf.	TP25.313x24.339x0.4375	Reinf. 18 Tension Rupture	71.4	Pass
L12	134.33 - 129.33	Pole + Reinf.	TP25.15x24.327x0.4938	Reinf. 18 Tension Rupture	74.2	Pass
L13	129.33 - 125.75	Pole + Reinf.	TP25.739x25.15x0.4875	Reinf. 18 Tension Rupture	81.7	Pass
L14	125.75 - 125.5	Pole + Reinf.	TP25.78x25.739x0.7375	Reinf. 10 Tension Rupture	59.5	Pass
L15	125.5 - 120.5	Pole + Reinf.	TP26.603x25.78x0.725	Reinf. 10 Tension Rupture	66.8	Pass
L16	120.5 - 120.25	Pole + Reinf.	TP26.644x26.603x0.9	Reinf. 19 Tension Rupture	55.3	Pass
L17	120.25 - 115.25	Pole + Reinf.	TP27.467x26.644x0.875	Reinf. 19 Tension Rupture	61.1	Pass
L18	115.25 - 113.83	Pole + Reinf.	TP27.7x27.467x0.875	Reinf. 19 Tension Rupture	62.7	Pass
L19	113.83 - 113.58	Pole + Reinf.	TP27.742x27.7x1.15	Reinf. 18 Tension Rupture	48.7	Pass
L20	113.58 - 113.33	Pole + Reinf.	TP27.783x27.742x0.975	Reinf. 10 Tension Rupture	55.2	Pass
L21	113.33 - 113.08	Pole + Reinf.	TP27.824x27.783x0.975	Reinf. 10 Tension Rupture	55.5	Pass
L22	113.08 - 112	Pole + Reinf.	TP28.002x27.824x0.975	Reinf. 10 Tension Rupture	56.5	Pass
L23	112 - 111.75	Pole + Reinf.	TP28.043x28.002x0.725	Reinf. 10 Tension Rupture	70.5	Pass
L24	111.75 - 106.75	Pole + Reinf.	TP28.866x28.043x0.7125	Reinf. 10 Tension Rupture	76.1	Pass
L25	106.75 - 101.75	Pole + Reinf.	TP29.689x28.866x0.7	Reinf. 10 Tension Rupture	81.3	Pass
L26	101.75 - 98.42	Pole + Reinf.	TP30.238x29.689x0.6875	Reinf. 10 Tension Rupture	84.6	Pass
L27	98.42 - 98.17	Pole + Reinf.	TP30.279x30.238x1	Reinf. 10 Tension Rupture	60.3	Pass
L28	98.17 - 93.17	Pole + Reinf.	TP31.102x30.279x0.975	Reinf. 10 Tension Rupture	63.9	Pass
L29	93.17 - 89.28	Pole + Reinf.	TP32.493x31.102x0.95	Reinf. 10 Tension Rupture	66.6	Pass
L30	89.28 - 83.72	Pole + Reinf.	TP32.155x31.243x0.8625	Reinf. 16 Tension Rupture	74.6	Pass
L31	83.72 - 82.83	Pole + Reinf.	TP32.3x32.155x0.8625	Reinf. 16 Tension Rupture	75.2	Pass
L32	82.83 - 82.58	Pole + Reinf.	TP32.341x32.3x0.9875	Reinf. 16 Tension Rupture	66.3	Pass
L33	82.58 - 77.58	Pole + Reinf.	TP33.162x32.341x0.9625	Reinf. 16 Tension Rupture	69.2	Pass
L34	77.58 - 73.42	Pole + Reinf.	TP33.846x33.162x0.9375	Reinf. 16 Tension Rupture	71.4	Pass
L35	73.42 - 73.17	Pole + Reinf.	TP33.887x33.846x1.2125	Reinf. 9 Tension Rupture	59.4	Pass
L36	73.17 - 72.42	Pole + Reinf.	TP34.01x33.887x1.2125	Reinf. 9 Tension Rupture	59.7	Pass
L37	72.42 - 72.17	Pole + Reinf.	TP34.051x34.01x0.925	Reinf. 9 Tension Rupture	75.9	Pass
L38	72.17 - 68.08	Pole + Reinf.	TP34.721x34.051x0.9125	Reinf. 9 Tension Rupture	78.1	Pass
L39	68.08 - 67.83	Pole + Reinf.	TP34.762x34.721x0.9125	Reinf. 9 Tension Rupture	75.7	Pass
L40	67.83 - 65.58	Pole + Reinf.	TP35.131x34.762x0.9125	Reinf. 9 Tension Rupture	76.8	Pass
L41	65.58 - 65.33	Pole + Reinf.	TP35.172x35.131x1.1625	Reinf. 9 Tension Rupture	62.8	Pass
L42	65.33 - 64.25	Pole + Reinf.	TP35.35x35.172x1.1625	Reinf. 9 Tension Rupture	63.3	Pass
L43	64.25 - 64	Pole + Reinf.	TP35.391x35.35x0.9625	Reinf. 15 Tension Rupture	72.4	Pass
L44	64 - 59	Pole + Reinf.	TP36.212x35.391x0.95	Reinf. 15 Tension Rupture	74.6	Pass
L45	59 - 54	Pole + Reinf.	TP37.032x36.212x0.9375	Reinf. 15 Tension Rupture	76.7	Pass
L46	54 - 49.17	Pole + Reinf.	TP38.702x37.032x0.9125	Reinf. 15 Tension Rupture	78.7	Pass
L47	49.17 - 42.83	Pole + Reinf.	TP38.239x37.201x0.975	Reinf. 15 Tension Rupture	77.9	Pass
L48	42.83 - 41.75	Pole + Reinf.	TP38.415x38.239x0.975	Reinf. 15 Tension Rupture	78.2	Pass
L49	41.75 - 41.5	Pole + Reinf.	TP38.456x38.415x1	Reinf. 15 Tension Rupture	75.7	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L50	41.5 - 36.5	Pole + Reinf.	TP39.274x38.456x0.975	Reinf. 15 Tension Rupture	77.3	Pass
L51	36.5 - 32.75	Pole + Reinf.	TP39.888x39.274x0.975	Reinf. 15 Tension Rupture	78.4	Pass
L52	32.75 - 32.5	Pole + Reinf.	TP39.929x39.888x1.025	Reinf. 2 Tension Rupture	70.3	Pass
L53	32.5 - 32.25	Pole + Reinf.	TP39.97x39.929x1.025	Reinf. 2 Tension Rupture	70.4	Pass
L54	32.25 - 32	Pole + Reinf.	TP40.011x39.97x1.05	Reinf. 2 Tension Rupture	69.8	Pass
L55	32 - 30.33	Pole + Reinf.	TP40.284x40.011x1.025	Reinf. 2 Tension Rupture	70.3	Pass
L56	30.33 - 30.08	Pole + Reinf.	TP40.325x40.284x0.925	Reinf. 8 Tension Rupture	86.1	Pass
L57	30.08 - 28.25	Pole + Reinf.	TP40.625x40.325x0.925	Reinf. 8 Tension Rupture	86.6	Pass
L58	28.25 - 28	Pole + Reinf.	TP40.666x40.625x0.975	Reinf. 8 Tension Rupture	80.3	Pass
L59	28 - 23	Pole + Reinf.	TP41.485x40.666x0.95	Reinf. 8 Tension Rupture	81.7	Pass
L60	23 - 19.25	Pole + Reinf.	TP42.099x41.485x0.95	Reinf. 8 Tension Rupture	82.7	Pass
L61	19.25 - 19	Pole + Reinf.	TP42.139x42.099x0.8375	Reinf. 1 Tension Rupture	83.3	Pass
L62	19 - 14.5	Pole + Reinf.	TP42.876x42.139x0.825	Reinf. 1 Tension Rupture	84.3	Pass
L63	14.5 - 14.25	Pole + Reinf.	TP42.917x42.876x1.275	Reinf. 6 Tension Rupture	59.3	Pass
L64	14.25 - 12.75	Pole + Reinf.	TP43.163x42.917x1.25	Reinf. 6 Tension Rupture	59.6	Pass
L65	12.75 - 12.5	Pole + Reinf.	TP43.204x43.163x1	Reinf. 6 Tension Rupture	72.1	Pass
L66	12.5 - 7.5	Pole + Reinf.	TP44.022x43.204x0.975	Reinf. 6 Tension Rupture	73.3	Pass
L67	7.5 - 3.5	Pole + Reinf.	TP44.677x44.022x0.975	Reinf. 6 Tension Rupture	74.1	Pass
L68	3.5 - 3.25	Pole + Reinf.	TP44.718x44.677x1.2	Reinf. 1 Tension Rupture	61.7	Pass
L69	3.25 - 0	Pole + Reinf.	TP45.25x44.718x1.175	Reinf. 1 Tension Rupture	62.4	Pass
					Summary	
				Pole	88.9	Pass
				Reinforcement	86.6	Pass
				Overall	88.9	Pass

**Table 5 - Tower Component Stresses vs. Capacity – LC7**

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	63.6	Pass
1	Base Plate		56.2	Pass
1	Base Foundation (Structure)	0	86.7	Pass
1	Base Foundation (Soil Interaction)		57.9	Pass

<b>Structure Rating (max from all components) =</b>	<b>88.9%*</b>
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Notes:

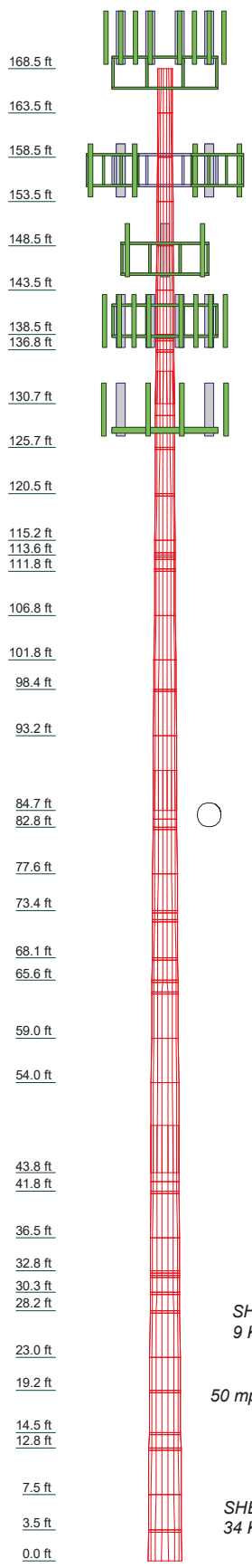
- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.
- 2) \*Rating per TIA-222-H, Section 15.5.

#### 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**

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1								
2								
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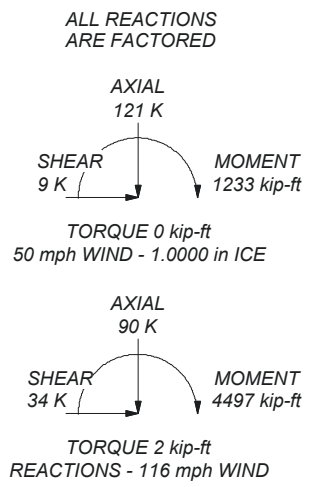


### MATERIAL STRENGTH

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

### TOWER DESIGN NOTES

1. Tower is located in Hartford 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. CCIPOLE RATING: 88.9%



**Morrison Hershfield**  
 1455 Lincoln Parkway, Suite 500  
 Atlanta, GA 30346  
 Phone: (770) 379-8500  
 FAX: (770) 379-8501

Job: <b>CN8-652R5 / 2400001</b>		
Project: <b>842859 / Bristol Center</b>		
Client: <b>Crown Castle USA</b>	Drawn by: <b>RP</b>	App'd:
Code: <b>TIA-222-H</b>	Date: <b>01/12/24</b>	Scale: <b>NTS</b>
Path:		Dwg No. <b>E-1</b>



## 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 Hartford County, Connecticut.
- Tower base elevation above sea level: 565.00 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

<ul style="list-style-type: none"> <li>Consider Moments - Legs</li> <li>Consider Moments - Horizontals</li> <li>Consider Moments - Diagonals</li> <li>Use Moment Magnification</li> <li>√ Use Code Stress Ratios</li> <li>√ Use Code Safety Factors - Guys</li> <li>Escalate Ice</li> <li>Always Use Max Kz</li> <li>Use Special Wind Profile</li> <li>Include Bolts In Member Capacity</li> <li>Leg Bolts Are At Top Of Section</li> <li>Secondary Horizontal Braces Leg</li> <li>Use Diamond Inner Bracing (4 Sided)</li> <li>SR Members Have Cut Ends</li> <li>SR Members Are Concentric</li> <li>Distribute Leg Loads As Uniform</li> </ul>	<ul style="list-style-type: none"> <li>Assume Legs Pinned</li> <li>√ Assume Rigid Index Plate</li> <li>√ Use Clear Spans For Wind Area</li> <li>Use Clear Spans For KL/r</li> <li>Retension Guys To Initial Tension</li> <li>√ Bypass Mast Stability Checks</li> <li>√ Use Azimuth Dish Coefficients</li> <li>√ Project Wind Area of Appurtenances</li> <li>√ Alternative Appurt. EPA Calculation</li> <li>Autocalc Torque Arm Areas</li> <li>Add IBC .6D+W Combination</li> <li>Sort Capacity Reports By Component</li> <li>Triangulate Diamond Inner Bracing</li> <li>Treat Feed Line Bundles As Cylinder</li> <li>Ignore KL/ry For 60 Deg. Angle Legs</li> <li>Use ASCE 10 X-Brace Ly Rules</li> </ul>	<ul style="list-style-type: none"> <li>Calculate Redundant Bracing Forces</li> <li>Ignore Redundant Members in FEA</li> <li>SR Leg Bolts Resist Compression</li> <li>All Leg Panels Have Same Allowable</li> <li>Offset Girt At Foundation</li> <li>√ Consider Feed Line Torque</li> <li>Include Angle Block Shear Check</li> <li>Use TIA-222-H Bracing Resist. Exemption</li> <li>Use TIA-222-H Tension Splice Exemption</li> </ul> <p style="text-align: center; background-color: #e0e0e0; margin: 5px 0;"><b>Poles</b></p> <ul style="list-style-type: none"> <li>√ Include Shear-Torsion Interaction</li> <li>Always Use Sub-Critical Flow</li> <li>Use Top Mounted Sockets</li> <li>Pole Without Linear Attachments</li> <li>Pole With Shroud Or No Appurtenances</li> <li>Outside and Inside Corner Radii Are Known</li> </ul>
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## 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	168.50-163.50	5.00	0.00	18	19.0000	19.8343	0.1875	0.7500	A572-65 (65 ksi)
L2	163.50-158.50	5.00	0.00	18	19.8343	20.6685	0.1875	0.7500	A572-65 (65 ksi)
L3	158.50-153.50	5.00	0.00	18	20.6685	21.5028	0.1875	0.7500	A572-65 (65 ksi)
L4	153.50-148.50	5.00	0.00	18	21.5028	22.3370	0.1875	0.7500	A572-65 (65 ksi)
L5	148.50-143.50	5.00	0.00	18	22.3370	23.1713	0.1875	0.7500	A572-65

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
L6	143.50-138.50	5.00	0.00	18	23.1713	24.0056	0.1875	0.7500	(65 ksi) A572-65
L7	138.50-138.00	0.50	0.00	18	24.0056	24.0890	0.1875	0.7500	(65 ksi) A572-65
L8	138.00-137.75	0.25	0.00	18	24.0890	24.1307	0.2313	0.9250	(65 ksi) A572-65
L9	137.75-136.75	1.00	0.00	18	24.1307	24.2975	0.2313	0.9250	(65 ksi) A572-65
L10	136.75-136.50	0.25	0.00	18	24.2975	24.3393	0.4375	1.7500	(65 ksi) A572-65
L11	136.50-130.67	5.83	3.66	18	24.3393	25.3125	0.4375	1.7500	(65 ksi) A572-65
L12	130.67-129.33	5.00	0.00	18	24.3268	25.1499	0.4938	1.9750	(65 ksi) A572-65
L13	129.33-125.75	3.58	0.00	18	25.1499	25.7388	0.4875	1.9500	(65 ksi) A572-65
L14	125.75-125.50	0.25	0.00	18	25.7388	25.7799	0.7375	2.9500	(65 ksi) A572-65
L15	125.50-120.50	5.00	0.00	18	25.7799	26.6029	0.7250	2.9000	(65 ksi) A572-65
L16	120.50-120.25	0.25	0.00	18	26.6029	26.6441	0.9000	3.6000	(65 ksi) A572-65
L17	120.25-115.25	5.00	0.00	18	26.6441	27.4671	0.8750	3.5000	(65 ksi) A572-65
L18	115.25-113.83	1.42	0.00	18	27.4671	27.7004	0.8750	3.5000	(65 ksi) A572-65
L19	113.83-113.58	0.25	0.00	18	27.7004	27.7415	1.1500	4.6000	(65 ksi) A572-65
L20	113.58-113.33	0.25	0.00	18	27.7415	27.7827	0.9750	3.9000	(65 ksi) A572-65
L21	113.33-113.08	0.25	0.00	18	27.7827	27.8238	0.9750	3.9000	(65 ksi) A572-65
L22	113.08-112.00	1.08	0.00	18	27.8238	28.0021	0.9750	3.9000	(65 ksi) A572-65
L23	112.00-111.75	0.25	0.00	18	28.0021	28.0433	0.7250	2.9000	(65 ksi) A572-65
L24	111.75-106.75	5.00	0.00	18	28.0433	28.8663	0.7125	2.8500	(65 ksi) A572-65
L25	106.75-101.75	5.00	0.00	18	28.8663	29.6894	0.7000	2.8000	(65 ksi) A572-65
L26	101.75-98.42	3.33	0.00	18	29.6894	30.2381	0.6875	2.7500	(65 ksi) A572-65
L27	98.42-98.17	0.25	0.00	18	30.2381	30.2792	1.0000	4.0000	(65 ksi) A572-65
L28	98.17-93.17	5.00	0.00	18	30.2792	31.1023	0.9750	3.9000	(65 ksi) A572-65
L29	93.17-84.72	8.45	4.56	18	31.1023	32.4932	0.9500	3.8000	(65 ksi) A572-65
L30	84.72-83.72	5.56	0.00	18	31.2426	32.1551	0.8625	3.4500	(65 ksi) A572-65
L31	83.72-82.83	0.88	0.00	18	32.1551	32.3002	0.8625	3.4500	(65 ksi) A572-65
L32	82.83-82.58	0.25	0.00	18	32.3002	32.3412	0.9875	3.9500	(65 ksi) A572-65
L33	82.58-77.58	5.00	0.00	18	32.3412	33.1619	0.9625	3.8500	(65 ksi) A572-65
L34	77.58-73.42	4.17	0.00	18	33.1619	33.8457	0.9375	3.7500	(65 ksi) A572-65
L35	73.42-73.17	0.25	0.00	18	33.8457	33.8867	1.2125	4.8500	(65 ksi) A572-65
L36	73.17-72.42	0.75	0.00	18	33.8867	34.0098	1.2125	4.8500	(65 ksi) A572-65
L37	72.42-72.17	0.25	0.00	18	34.0098	34.0508	0.9250	3.7000	(65 ksi) A572-65
L38	72.17-68.08	4.08	0.00	18	34.0508	34.7210	0.9125	3.6500	(65 ksi) A572-65
L39	68.08-67.83	0.25	0.00	18	34.7210	34.7620	0.9125	3.6500	(65 ksi) A572-65

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
L40	67.83-65.58	2.25	0.00	18	34.7620	35.1313	0.9125	3.6500	A572-65 (65 ksi)
L41	65.58-65.33	0.25	0.00	18	35.1313	35.1724	1.1625	4.6500	A572-65 (65 ksi)
L42	65.33-64.25	1.08	0.00	18	35.1724	35.3502	1.1625	4.6500	A572-65 (65 ksi)
L43	64.25-64.00	0.25	0.00	18	35.3502	35.3912	0.9625	3.8500	A572-65 (65 ksi)
L44	64.00-59.00	5.00	0.00	18	35.3912	36.2118	0.9500	3.8000	A572-65 (65 ksi)
L45	59.00-54.00	5.00	0.00	18	36.2118	37.0324	0.9375	3.7500	A572-65 (65 ksi)
L46	54.00-43.83	10.17	5.34	18	37.0324	38.7021	0.9125	3.6500	A572-65 (65 ksi)
L47	43.83-42.83	6.34	0.00	18	37.2007	38.2386	0.9750	3.9000	A572-65 (65 ksi)
L48	42.83-41.75	1.08	0.00	18	38.2386	38.4149	0.9750	3.9000	A572-65 (65 ksi)
L49	41.75-41.50	0.25	0.00	18	38.4149	38.4559	1.0000	4.0000	A572-65 (65 ksi)
L50	41.50-36.50	5.00	0.00	18	38.4559	39.2744	0.9750	3.9000	A572-65 (65 ksi)
L51	36.50-32.75	3.75	0.00	18	39.2744	39.8884	0.9750	3.9000	A572-65 (65 ksi)
L52	32.75-32.50	0.25	0.00	18	39.8884	39.9293	1.0250	4.1000	A572-65 (65 ksi)
L53	32.50-32.25	0.25	0.00	18	39.9293	39.9702	1.0250	4.1000	A572-65 (65 ksi)
L54	32.25-32.00	0.25	0.00	18	39.9702	40.0111	1.0500	4.2000	A572-65 (65 ksi)
L55	32.00-30.33	1.67	0.00	18	40.0111	40.2841	1.0250	4.1000	A572-65 (65 ksi)
L56	30.33-30.08	0.25	0.00	18	40.2841	40.3250	0.9250	3.7000	A572-65 (65 ksi)
L57	30.08-28.25	1.83	0.00	18	40.3250	40.6251	0.9250	3.7000	A572-65 (65 ksi)
L58	28.25-28.00	0.25	0.00	18	40.6251	40.6660	0.9750	3.9000	A572-65 (65 ksi)
L59	28.00-23.00	5.00	0.00	18	40.6660	41.4846	0.9500	3.8000	A572-65 (65 ksi)
L60	23.00-19.25	3.75	0.00	18	41.4846	42.0985	0.9500	3.8000	A572-65 (65 ksi)
L61	19.25-19.00	0.25	0.00	18	42.0985	42.1394	0.8375	3.3500	A572-65 (65 ksi)
L62	19.00-14.50	4.50	0.00	18	42.1394	42.8761	0.8250	3.3000	A572-65 (65 ksi)
L63	14.50-14.25	0.25	0.00	18	42.8761	42.9171	1.2750	5.1000	A572-65 (65 ksi)
L64	14.25-12.75	1.50	0.00	18	42.9171	43.1626	1.2500	5.0000	A572-65 (65 ksi)
L65	12.75-12.50	0.25	0.00	18	43.1626	43.2036	1.0000	4.0000	A572-65 (65 ksi)
L66	12.50-7.50	5.00	0.00	18	43.2036	44.0221	0.9750	3.9000	A572-65 (65 ksi)
L67	7.50-3.50	4.00	0.00	18	44.0221	44.6770	0.9750	3.9000	A572-65 (65 ksi)
L68	3.50-3.25	0.25	0.00	18	44.6770	44.7179	1.2000	4.8000	A572-65 (65 ksi)
L69	3.25-0.00	3.25		18	44.7179	45.2500	1.1750	4.7000	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	19.2642	11.1958	500.5935	6.6784	9.6520	51.8642	1001.8456	5.5990	3.0140	16.075
	20.1113	11.6923	570.1884	6.9746	10.0758	56.5899	1141.1270	5.8472	3.1608	16.858

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
L2	20.1113	11.6923	570.1884	6.9746	10.0758	56.5899	1141.1270	5.8472	3.1608	16.858
	20.9584	12.1888	645.9519	7.2708	10.4996	61.5215	1292.7538	6.0955	3.3077	17.641
L3	20.9584	12.1888	645.9519	7.2708	10.4996	61.5215	1292.7538	6.0955	3.3077	17.641
	21.8056	12.6853	728.1460	7.5669	10.9234	66.6592	1457.2502	6.3438	3.4545	18.424
L4	21.8056	12.6853	728.1460	7.5669	10.9234	66.6592	1457.2502	6.3438	3.4545	18.424
	22.6527	13.1817	817.0327	7.8631	11.3472	72.0029	1635.1404	6.5921	3.6013	19.207
L5	22.6527	13.1817	817.0327	7.8631	11.3472	72.0029	1635.1404	6.5921	3.6013	19.207
	23.4998	13.6782	912.8737	8.1592	11.7710	77.5527	1826.9486	6.8404	3.7481	19.99
L6	23.4998	13.6782	912.8737	8.1592	11.7710	77.5527	1826.9486	6.8404	3.7481	19.99
	24.3470	14.1747	1015.9312	8.4554	12.1948	83.3084	2033.1992	7.0887	3.8950	20.773
L7	24.3470	14.1747	1015.9312	8.4554	12.1948	83.3084	2033.1992	7.0887	3.8950	20.773
	24.4317	14.2244	1026.6439	8.4850	12.2372	83.8953	2054.6387	7.1135	3.9097	20.852
L8	24.4249	17.5113	1259.2538	8.4695	12.2372	102.9038	2520.1646	8.7573	3.8327	16.574
	24.4673	17.5419	1265.8704	8.4843	12.2584	103.2656	2533.4066	8.7726	3.8400	16.605
L9	24.4673	17.5419	1265.8704	8.4843	12.2584	103.2656	2533.4066	8.7726	3.8400	16.605
	24.6367	17.6644	1292.5686	8.5435	12.3432	104.7195	2586.8381	8.8339	3.8694	16.732
L10	24.6049	33.1326	2383.0656	8.4703	12.3432	193.0678	4769.2669	16.5695	3.5064	8.015
	24.6472	33.1906	2395.5859	8.4851	12.3643	193.7496	4794.3240	16.5984	3.5137	8.031
L11	24.6472	33.1906	2395.5859	8.4851	12.3643	193.7496	4794.3240	16.5984	3.5137	8.031
	25.6355	34.5420	2700.2980	8.8306	12.8588	209.9969	5404.1492	17.2743	3.6850	8.423
L12	25.2377	37.3503	2680.3506	8.4607	12.3580	216.8915	5364.2280	18.6787	3.4125	6.911
	25.4617	38.6402	2967.7426	8.7529	12.7761	232.2879	5939.3903	19.3238	3.5574	7.205
L13	25.4627	38.1607	2932.4051	8.7551	12.7761	229.5220	5868.6688	19.0840	3.5684	7.32
	26.0606	39.0719	3147.5140	8.9642	13.0753	240.7224	6299.1696	19.5397	3.6720	7.532
L14	26.0220	58.5236	4621.5920	8.8754	13.0753	353.4601	9249.2651	29.2673	3.2320	4.382
	26.0638	58.6199	4644.4514	8.8901	13.0962	354.6414	9295.0141	29.3155	3.2393	4.392
L15	26.0658	57.6551	4572.5723	8.8945	13.0962	349.1528	9151.1613	28.8330	3.2613	4.498
	26.9015	59.5489	5038.1348	9.1867	13.5143	372.8009	10082.8989	29.7801	3.4061	4.698
L16	26.8745	73.4229	6128.2091	9.1245	13.5143	453.4619	12264.4819	36.7184	3.0981	3.442
	26.9162	73.5405	6157.6919	9.1391	13.5352	454.9397	12323.4862	36.7772	3.1054	3.45
L17	26.9201	71.5671	6004.1027	9.1480	13.5352	443.5923	12016.1057	35.7904	3.1494	3.599
	27.7559	73.8530	6597.9823	9.4402	13.9533	472.8619	13204.6464	36.9335	3.2942	3.765
L18	27.7559	73.8530	6597.9823	9.4402	13.9533	472.8619	13204.6464	36.9335	3.2942	3.765
	27.9927	74.5008	6773.1336	9.5230	14.0718	481.3271	13555.1796	37.2575	3.3353	3.812
L19	27.9503	96.9115	8630.8586	9.4254	14.0718	613.3448	17273.0740	48.4650	2.8513	2.479
	27.9921	97.0617	8671.0542	9.4400	14.0927	615.2872	17353.5180	48.5401	2.8585	2.486
L20	28.0191	82.8330	7497.6458	9.5021	14.0927	532.0236	15005.1571	41.4244	3.1665	3.248
	28.0609	82.9604	7532.2813	9.5167	14.1136	533.6896	15074.4738	41.4881	3.1738	3.255
L21	28.0609	82.9604	7532.2813	9.5167	14.1136	533.6896	15074.4738	41.4881	3.1738	3.255
	28.1026	83.0877	7567.0234	9.5313	14.1345	535.3582	15144.0036	41.5518	3.1810	3.263
L22	28.1026	83.0877	7567.0234	9.5313	14.1345	535.3582	15144.0036	41.5518	3.1810	3.263
	28.2837	83.6394	7718.7599	9.5946	14.2251	542.6167	15447.6763	41.8277	3.2124	3.295
L23	28.3222	62.7687	5900.3417	9.6834	14.2251	414.7848	11808.4472	31.3903	3.6524	5.038
	28.3640	62.8634	5927.0875	9.6980	14.2460	416.0535	11861.9739	31.4377	3.6596	5.048
L24	28.3660	61.8078	5832.8958	9.7024	14.2460	409.4417	11673.4668	30.9098	3.6816	5.167
	29.2017	63.6691	6375.8924	9.9946	14.6641	434.7964	12760.1743	31.8406	3.8265	5.37
L25	29.2036	62.5799	6272.3818	9.9990	14.6641	427.7376	12553.0170	31.2959	3.8485	5.498
	30.0394	64.4086	6838.4683	10.2912	15.0822	453.4132	13685.9348	32.2104	3.9933	5.705
L26	30.0413	63.2857	6725.0447	10.2957	15.0822	445.8928	13458.9388	31.6489	4.0153	5.84

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
	30.5985	64.4830	7114.0143	10.4905	15.3609	463.1236	14237.389	32.2476	4.1119	5.981
L27	30.5503	92.8016	10022.834	10.3795	15.3609	652.4883	20058.856	46.4096	3.5619	3.562
	30.5921	92.9323	10065.215	10.3941	15.3818	654.3568	20143.675	46.4750	3.5691	3.569
L28	30.5959	90.6863	9838.7446	10.4030	15.3818	639.6335	19690.435	45.3518	3.6131	3.706
	31.4317	93.2334	10691.259	10.6952	15.8000	676.6637	21396.585	46.6256	3.7580	3.854
L29	31.4355	90.9182	10443.078	10.7041	15.8000	660.9560	20899.898	45.4677	3.8020	4.002
	32.8479	95.1122	11955.981	11.1978	16.5065	724.3176	23927.694	47.5651	4.0468	4.26
L30	32.3514	83.1677	9697.7247	10.7849	15.8712	611.0255	19408.209	41.5918	3.9807	4.615
	32.5181	85.6659	10598.122	11.1089	16.3348	648.8065	21210.190	42.8411	4.1413	4.802
L31	32.5181	85.6659	10598.122	11.1089	16.3348	648.8065	21210.190	42.8411	4.1413	4.802
	32.6654	86.0631	10746.220	11.1604	16.4085	654.9179	21506.581	43.0397	4.1668	4.831
L32	32.6461	98.1442	12157.464	11.1160	16.4085	740.9247	24330.926	49.0814	3.9468	3.997
	32.6878	98.2728	12205.320	11.1306	16.4293	742.8975	24426.700	49.1457	3.9541	4.004
L33	32.6917	95.8612	11924.804	11.1394	16.4293	725.8234	23865.298	47.9397	3.9981	4.154
	33.5250	98.3682	12885.073	11.4308	16.8462	764.8641	25787.100	49.1935	4.1425	4.304
L34	33.5288	95.8876	12579.651	11.4396	16.8462	746.7341	25175.855	47.9529	4.1865	4.466
	34.2232	97.9223	13397.582	11.6824	17.1936	779.2194	26812.793	48.9705	4.3068	4.594
L35	34.1807	125.5879	16896.762	11.5848	17.1936	982.7359	33815.758	62.8059	3.8228	3.153
	34.2224	125.7458	16960.578	11.5993	17.2144	985.2530	33943.474	62.8849	3.8301	3.159
L36	34.2224	125.7458	16960.578	11.5993	17.2144	985.2530	33943.474	62.8849	3.8301	3.159
	34.3474	126.2195	17152.989	11.6430	17.2770	992.8239	34328.550	63.1218	3.8517	3.177
L37	34.3917	97.1353	13432.940	11.7451	17.2770	777.5055	26883.556	48.5769	4.3577	4.711
	34.4334	97.2557	13482.980	11.7597	17.2978	779.4615	26983.702	48.6371	4.3649	4.719
L38	34.4353	95.9777	13315.841	11.7641	17.2978	769.7990	26649.203	47.9980	4.3869	4.808
	35.1159	97.9187	14140.192	12.0020	17.6383	801.6767	28298.991	48.9687	4.5049	4.937
L39	35.1159	97.9187	14140.192	12.0020	17.6383	801.6767	28298.991	48.9687	4.5049	4.937
	35.1575	98.0376	14191.738	12.0166	17.6591	803.6494	28402.150	49.0281	4.5121	4.945
L40	35.1575	98.0376	14191.738	12.0166	17.6591	803.6494	28402.150	49.0281	4.5121	4.945
	35.5325	99.1071	14661.301	12.1477	17.8467	821.5127	29341.893	49.5630	4.5771	5.016
L41	35.4939	125.3373	18271.697	12.0589	17.8467	1023.8130	36567.437	62.6806	4.1371	3.559
	35.5356	125.4887	18337.989	12.0735	17.8676	1026.3289	36700.108	62.7563	4.1443	3.565
L42	35.5356	125.4887	18337.989	12.0735	17.8676	1026.3289	36700.108	62.7563	4.1443	3.565
	35.7162	126.1448	18627.099	12.1366	17.9579	1037.2662	37278.708	63.0844	4.1756	3.592
L43	35.7470	105.0534	15694.690	12.2076	17.9579	873.9724	31410.032	52.5367	4.5276	4.704
	35.7887	105.1788	15750.938	12.2222	17.9787	876.0878	31522.602	52.5994	4.5348	4.712

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L44	35.7906	103.8505	15563.320 3	12.2266	17.9787	865.6522	31147.118 2	51.9351	4.5568	4.797
	36.6239	106.3250	16702.519 1	12.5179	18.3956	907.9626	33427.016 8	53.1726	4.7013	4.949
L45	36.6258	104.9631	16500.284 5	12.5224	18.3956	896.9690	33022.280 6	52.4915	4.7233	5.038
	37.4591	107.4050	17678.883 7	12.8137	18.8125	939.7422	35381.029 9	53.7127	4.8677	5.192
L46	37.4630	104.6133	17243.225 4	12.8226	18.8125	916.5843	34509.140 1	52.3166	4.9117	5.383
	39.1584	109.4491	19746.681 8	13.4153	19.6607	1004.3750	39519.347 7	54.7349	5.2056	5.705
L47	38.5119	112.1058	18586.523 9	12.8601	18.8979	983.5212	37197.503 0	56.0635	4.8313	4.955
	38.6781	115.3178	20230.374 2	13.2286	19.4252	1041.4491	40487.369 0	57.6699	5.0140	5.143
L48	38.6781	115.3178	20230.374 7	13.2286	19.4252	1041.4491	40487.369 0	57.6699	5.0140	5.143
	38.8571	115.8635	20518.907 6	13.2912	19.5148	1051.4544	41064.814 6	57.9428	5.0450	5.174
L49	38.8533	118.7550	21002.904 0	13.2823	19.5148	1076.2559	42033.444 2	59.3888	5.0010	5.001
	38.8948	118.8849	21071.905 3	13.2968	19.5356	1078.6425	42171.537 5	59.4538	5.0082	5.008
L50	38.8987	115.9902	20586.273 7	13.3057	19.5356	1053.7837	41199.635 4	58.0061	5.0522	5.182
	39.7299	118.5233	21964.739 4	13.5963	19.9514	1100.9115	43958.380 5	59.2729	5.1963	5.33
L51	39.7299	118.5233	21964.739 4	13.5963	19.9514	1100.9115	43958.380 5	59.2729	5.1963	5.33
	40.3533	120.4232	23038.025 2	13.8142	20.2633	1136.9342	46106.364 5	60.2231	5.3044	5.44
L52	40.3456	126.4361	24126.223 2	13.7965	20.2633	1190.6371	48284.192 2	63.2301	5.2164	5.089
	40.3871	126.5693	24202.528 3	13.8110	20.2841	1193.1785	48436.902 9	63.2967	5.2236	5.096
L53	40.3871	126.5693	24202.528 3	13.8110	20.2841	1193.1785	48436.902 9	63.2967	5.2236	5.096
	40.4287	126.7024	24278.994 1	13.8256	20.3049	1195.7226	48589.935 2	63.3633	5.2308	5.103
L54	40.4248	129.7094	24823.299 0	13.8167	20.3049	1222.5292	49679.261 2	64.8670	5.1868	4.94
	40.4664	129.8458	24901.694 0	13.8312	20.3257	1225.1356	49836.154 3	64.9352	5.1940	4.947
L55	40.4703	126.8356	24355.620 9	13.8401	20.3257	1198.2694	48743.289 5	63.4298	5.2380	5.11
	40.7474	127.7235	24870.693 6	13.9370	20.4643	1215.3209	49774.112 6	63.8739	5.2860	5.157
L56	40.7628	115.5562	22616.230 8	13.9725	20.4643	1105.1552	45262.220 5	57.7891	5.4620	5.905
	40.8044	115.6764	22686.858 4	13.9870	20.4851	1107.4813	45403.568 7	57.8492	5.4692	5.913
L57	40.8044	115.6764	22686.858 4	13.9870	20.4851	1107.4813	45403.568 7	57.8492	5.4692	5.913
	41.1091	116.5574	23209.196 5	14.0935	20.6375	1124.6107	46448.932 3	58.2898	5.5220	5.97
L58	41.1014	122.7031	24371.431 9	14.0758	20.6375	1180.9273	48774.932 5	61.3632	5.4340	5.573
	41.1429	122.8298	24446.981 6	14.0903	20.6583	1183.3958	48926.131 2	61.4266	5.4412	5.581
L59	41.1468	119.7557	23865.174 8	14.0992	20.6583	1155.2325	47761.751 9	59.8892	5.4852	5.774
	41.9780	122.2239	25371.424 0	14.3898	21.0742	1203.9113	50776.232 4	61.1236	5.6293	5.926
L60	41.9780	122.2239	25371.424 0	14.3898	21.0742	1203.9113	50776.232 4	61.1236	5.6293	5.926
	42.6014	124.0751	26541.782 9	14.6077	21.3860	1241.0799	53118.490 2	62.0493	5.7373	6.039
L61	42.6187	109.6810	23591.118	14.6477	21.3860	1103.1083	47213.278	54.8509	5.9353	7.087

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	42.6603	109.7898	23661.390 2	14.6622	21.4068	1105.3196	47353.916 1	54.9053	5.9425	7.096
L62	42.6622	108.1839	23329.404 9	14.6666	21.4068	1089.8112	46689.507 1	54.1022	5.9645	7.23
	43.4103	110.1130	24599.812 9	14.9282	21.7811	1129.4119	49231.994 2	55.0670	6.0942	7.387
L63	43.3409	168.3536	36810.389 5	14.7684	21.7811	1690.0166	73669.214 1	84.1928	5.3022	4.159
	43.3824	168.5192	36919.141 2	14.7829	21.8019	1693.3931	73886.862 4	84.2756	5.3094	4.164
L64	43.3863	165.3141	36260.466 8	14.7918	21.8019	1663.1812	72568.644 8	82.6728	5.3534	4.283
	43.6357	166.2884	36905.371 1	14.8790	21.9266	1683.1306	73859.304 7	83.1600	5.3966	4.317
L65	43.6742	133.8242	30055.773 7	14.9677	21.9266	1370.7434	60151.094 5	66.9248	5.8366	5.837
	43.7158	133.9541	30143.386 4	14.9823	21.9474	1373.4367	60326.436 9	66.9898	5.8438	5.844
L66	43.7196	130.6827	29442.061 5	14.9911	21.9474	1341.4820	58922.863 4	65.3537	5.8878	6.039
	44.5508	133.2158	31187.604 4	15.2817	22.3632	1394.5918	62416.246 4	66.6206	6.0319	6.187
L67	44.5508	133.2158	31187.604 4	15.2817	22.3632	1394.5918	62416.246 2	66.6206	6.0319	6.187
	45.2158	135.2424	32632.695 4	15.5142	22.6959	1437.8223	65308.328 2	67.6340	6.1472	6.305
L68	45.1811	165.5952	39546.162 0	15.4343	22.6959	1742.4351	79144.360 9	82.8133	5.7512	4.793
	45.2227	165.7511	39657.951 1	15.4489	22.7167	1745.7614	79368.086 0	82.8913	5.7584	4.799
L69	45.2265	162.3912	38898.706 6	15.4577	22.7167	1712.3391	77848.596 1	81.2110	5.8024	4.938
	45.7668	164.3755	40342.165 4	15.6466	22.9870	1754.9991	80737.413 7	82.2034	5.8960	5.018
			1				4			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A <sub>r</sub>	Adjust. Factor A <sub>r</sub>	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft <sup>2</sup>	in					in	in	in
L1 168.50-163.50				1	1	1			
L2 163.50-158.50				1	1	1			
L3 158.50-153.50				1	1	1			
L4 153.50-148.50				1	1	1			
L5 148.50-143.50				1	1	1			
L6 143.50-138.50				1	1	1			
L7 138.50-138.00				1	1	1			
L8 138.00-137.75				1	1	1.38238			
L9 137.75-136.75				1	1	1.37842			
L10 136.75-136.50				1	1	1.03566			
L11 136.50-130.67				1	1	1.02659			
L12 130.67-129.33				1	1	1.02895			
L13 129.33-125.75				1	1	1.02954			
L14 125.75-125.50				1	1	0.99385			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor $A_r$	Adjust. Factor $A_r$	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft <sup>2</sup>	in							
L15 125.50-120.50				1	1	0.989311			
L16 120.50-120.25				1	1	0.922643			
L17 120.25-115.25				1	1	0.927583			
L18 115.25-113.83				1	1	0.922001			
L19 113.83-113.58				1	1	0.860965			
L20 113.58-113.33				1	1	0.947431			
L21 113.33-113.08				1	1	0.946372			
L22 113.08-112.00				1	1	0.941821			
L23 112.00-111.75				1	1	0.935445			
L24 111.75-106.75				1	1	0.933865			
L25 106.75-101.75				1	1	0.933283			
L26 101.75-98.42				1	1	0.938958			
L27 98.42-98.17				1	1	0.92089			
L28 98.17-93.17				1	1	0.924921			
L29 93.17-84.72				1	1	0.934224			
L30 84.72-83.72				1	1	0.952371			
L31 83.72-82.83				1	1	0.949648			
L32 82.83-82.58				1	1	1.01524			
L33 82.58-77.58				1	1	1.02253			
L34 77.58-73.42				1	1	1.03412			
L35 73.42-73.17				1	1	0.948775			
L36 73.17-72.42				1	1	0.946182			
L37 72.42-72.17				1	1	0.971319			
L38 72.17-68.08				1	1	0.971531			
L39 68.08-67.83				1	1	1.09828			
L40 67.83-65.58				1	1	1.09012			
L41 65.58-65.33				1	1	0.960881			
L42 65.33-64.25				1	1	0.957282			
L43 64.25-64.00				1	1	0.977347			
L44 64.00-59.00				1	1	0.974466			
L45 59.00-54.00				1	1	0.972245			
L46 54.00-43.83				1	1	0.9841			
L47 43.83-42.83				1	1	1.02386			
L48 42.83-				1	1	1.02085			



Tower Elevation	Gusset Area (per face)	Gusset Thickness	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 Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft <sup>2</sup>	in							
L49 41.75-41.50				1	1	1.04579			
L50 41.50-36.50				1	1	1.0572			
L51 36.50-32.75				1	1	1.04659			
L52 32.75-32.50				1	1	1.02578			
L53 32.50-32.25				1	1	1.02509			
L54 32.25-32.00				1	1	1.02953			
L55 32.00-30.33				1	1	1.04918			
L56 30.33-30.08				1	1	1.05513			
L57 30.08-28.25				1	1	1.05021			
L58 28.25-28.00				1	1	1.10893			
L59 28.00-23.00				1	1	1.1224			
L60 23.00-19.25				1	1	1.11154			
L61 19.25-19.00				1	1	1.09266			
L62 19.00-14.50				1	1	1.09741			
L63 14.50-14.25				1	1	0.887966			
L64 14.25-12.75				1	1	0.901636			
L65 12.75-12.50				1	1	0.998324			
L66 12.50-7.50				1	1	1.01117			
L67 7.50-3.50				1	1	1.00178			
L68 3.50-3.25				1	1	0.868968			
L69 3.25-0.00				1	1	0.880093			

### 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)	168.50 - 0.00	1	1	0.000 0.000	0.3750		0.22
Climbing Pegs	C	No	Surface Ar (CaAa)	168.50 - 0.00	1	1	-0.050 0.050	0.7050		1.80
***										
HB158-21U6S24-xxM_TMO(1-5/8)	C	No	Surface Ar (CaAa)	157.00 - 0.00	3	3	0.250 0.418	1.9960		2.50
HB114-U6S12-XXX-LI(1-1/4)	A	No	Surface Ar (CaAa)	140.00 - 0.00	1	1	0.350 0.350	1.5400		1.70
*****										
MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	B	No	Surface Ar (CaAa)	128.00 - 0.00	1	1	0.150 0.150	1.2500		0.68
*****										
FP 5"x0.625"	A	No	Surface Af (CaAa)	84.67 - 0.00	1	1	0.000 0.000	5.0000	11.2500	10.63

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
FP 5"x0.625"	C	No	Surface Af (CaAa)	84.67 - 0.00	1	1	0.000 0.000	5.0000	11.2500	10.63
FP 5"x0.625"	B	No	Surface Af (CaAa)	120.00 - 84.67	1	1	0.000 0.000	5.0000	11.2500	10.63
*****										
FP 6"x1.25"	A	No	Surface Af (CaAa)	30.75 - 0.00	1	1	0.000 0.000	6.0000	14.5000	0.00
FP 6"x1.25"	B	No	Surface Af (CaAa)	30.75 - 0.00	1	1	0.000 0.000	6.0000	14.5000	0.00
FP 6"x1.25"	C	No	Surface Af (CaAa)	30.75 - 0.00	2	2	0.000 0.000	6.0000	14.5000	0.00
FP 6"x1.25"	A	No	Surface Af (CaAa)	47.92 - 27.83	2	2	0.000 0.000	6.0000	14.5000	0.00
FP 6"x1.25"	B	No	Surface Af (CaAa)	47.92 - 27.83	1	1	0.000 0.000	6.0000	14.5000	0.00
FP 6"x1.25"	C	No	Surface Af (CaAa)	47.92 - 27.83	1	1	0.000 0.000	6.0000	14.5000	0.00
FP 5"x1.25"	A	No	Surface Af (CaAa)	75.42 - 45.38	2	2	0.000 0.000	5.0000	12.5000	0.00
FP 5"x1.25"	B	No	Surface Af (CaAa)	75.42 - 45.38	1	1	0.000 0.000	5.0000	12.5000	0.00
FP 5"x1.25"	C	No	Surface Af (CaAa)	75.42 - 45.38	1	1	0.000 0.000	5.0000	12.5000	0.00
FP 5"x1.25"	A	No	Surface Af (CaAa)	87.92 - 72.92	1	1	0.000 0.000	5.0000	12.5000	0.00
FP 5"x1.25"	B	No	Surface Af (CaAa)	87.92 - 72.92	1	1	0.000 0.000	5.0000	12.5000	0.00
FP 5"x1.25"	C	No	Surface Af (CaAa)	87.92 - 72.92	2	2	0.000 0.000	5.0000	12.5000	0.00
FP 5"x1.25"	A	No	Surface Af (CaAa)	115.83 - 85.83	1	1	0.000 0.000	5.0000	12.5000	0.00
FP 5"x1.25"	B	No	Surface Af (CaAa)	115.83 - 85.83	1	1	0.000 0.000	5.0000	12.5000	0.00
FP 5"x1.25"	C	No	Surface Af (CaAa)	115.83 - 85.83	1	1	0.000 0.000	5.0000	12.5000	0.00
*****										
CCI-SFP-060100	A	No	Surface Af (CaAa)	43.75 - 0.00	1	1	0.000 0.000	6.0000	14.0000	0.00
CCI-SFP-060100	B	No	Surface Af (CaAa)	43.75 - 0.00	2	2	0.000 0.000	6.0000	14.0000	0.00
CCI-SFP-060100	C	No	Surface Af (CaAa)	43.75 - 0.00	1	1	0.000 0.000	6.0000	14.0000	0.00
CCI-SFP-045100	A	No	Surface Af (CaAa)	84.33 - 43.75	1	1	0.000 0.000	4.5000	11.0000	0.00
CCI-SFP-045100	B	No	Surface Af (CaAa)	84.33 - 43.75	2	2	0.000 0.000	4.5000	11.0000	0.00
CCI-SFP-045100	C	No	Surface Af (CaAa)	84.33 - 43.75	1	1	0.000 0.000	4.5000	11.0000	0.00
CCI-SFP-045100	A	No	Surface Af (CaAa)	27.75 - 17.75	1	1	0.000 0.000	4.5000	11.0000	0.00
CCI-SFP-045100	B	No	Surface Af (CaAa)	27.75 - 17.75	1	1	0.000 0.000	4.5000	11.0000	0.00
CCI-SFP-045100	C	No	Surface Af (CaAa)	27.75 - 17.75	2	2	0.000 0.000	4.5000	11.0000	0.00
CCI-SFP-045100	A	No	Surface Af (CaAa)	72.75 - 62.75	1	1	0.000 0.000	4.5000	11.0000	0.00
CCI-SFP-045100	B	No	Surface Af (CaAa)	72.75 - 62.75	1	1	0.000 0.000	4.5000	11.0000	0.00
CCI-SFP-045100	C	No	Surface Af (CaAa)	72.75 - 62.75	2	2	0.000 0.000	4.5000	11.0000	0.00
CCI-SFP-045100	A	No	Surface Af (CaAa)	127.33 - 87.92	1	1	0.000 0.000	4.5000	11.0000	0.00
CCI-SFP-045100	B	No	Surface Af (CaAa)	127.33 - 87.92	1	1	0.000 0.000	4.5000	11.0000	0.00
CCI-SFP-045100	C	No	Surface Af (CaAa)	127.33 - 87.92	1	1	0.000 0.000	4.5000	11.0000	0.00
*****										
CCI-SFP-040125	A	No	Surface Af	122.00 -	1	1	0.000	4.0000	10.5000	0.00

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
CCI-SFP-040125	B	No	(CaAa) Surface Af	112.00 - 122.00	1	1	0.000 - 0.000	4.0000	10.5000	0.00
CCI-SFP-050125	B	No	(CaAa) Surface Af	112.00 - 45.50	1	1	0.000 - 0.000	5.0000	12.5000	0.00
CCI-SFP-050125	C	No	(CaAa) Surface Af	45.50 - 55.50	1	1	0.000 - 0.000	5.0000	12.5000	0.00
CCI-SFP-065125	B	No	(CaAa) Surface Af	55.50 - 25.50	1	1	0.000 - 0.000	6.5000	15.5000	0.00
CCI-SFP-065125	C	No	(CaAa) Surface Af	25.50 - 35.50	1	1	0.000 - 0.000	6.5000	15.5000	0.00
*****										
CCI-SFP-040125	A	No	(CaAa) Surface Af	140.00 - 110.00	1	1	-0.150 - -0.150	4.0000	10.5000	0.00
CCI-SFP-040125	B	No	(CaAa) Surface Af	110.00 - 140.00	1	1	-0.200 - -0.200	4.0000	10.5000	0.00
CCI-SFP-040125	C	No	(CaAa) Surface Af	140.00 - 110.00	1	1	0.200 - 0.200	4.0000	10.5000	0.00
CCI-SFP-040125	C	No	(CaAa) Surface Af	110.00 - 138.75	1	1	-0.300 - -0.300	4.0000	10.5000	0.00
CCI-SFP-050125	A	No	(CaAa) Surface Af	138.75 - 100.42	1	1	0.400 - 0.400	5.0000	12.5000	0.00
CCI-SFP-050125	B	No	(CaAa) Surface Af	100.42 - 80.50	1	1	0.400 - 0.400	5.0000	12.5000	0.00
CCI-SFP-050125	B	No	(CaAa) Surface Af	80.50 - 100.58	1	1	0.400 - 0.400	5.0000	12.5000	0.00
CCI-SFP-050125	B	No	(CaAa) Surface Af	100.58 - 90.50	1	1	0.400 - 0.400	5.0000	12.5000	0.00
CCI-SFP-050125	B	No	(CaAa) Surface Af	90.50 - 100.42	1	1	-0.300 - -0.300	5.0000	12.5000	0.00
CCI-SFP-050125	C	No	(CaAa) Surface Af	100.42 - 80.50	1	1	-0.200 - -0.200	5.0000	12.5000	0.00
CCI-SFP-050125	C	No	(CaAa) Surface Af	80.50 - 70.42	1	1	-0.200 - -0.200	5.0000	12.5000	0.00
CCI-SFP-050125	C	No	(CaAa) Surface Af	70.42 - 100.58	1	1	-0.200 - -0.200	5.0000	12.5000	0.00
CCI-SFP-050125	A	No	(CaAa) Surface Af	100.58 - 90.50	1	1	-0.200 - -0.200	5.0000	12.5000	0.00
CCI-SFP-050125	A	No	(CaAa) Surface Af	90.50 - 70.08	1	1	0.400 - 0.400	5.0000	12.5000	0.00
CCI-SFP-050125	B	No	(CaAa) Surface Af	70.08 - 35.08	1	1	-0.300 - -0.300	5.0000	12.5000	0.00
CCI-SFP-050125	B	No	(CaAa) Surface Af	35.08 - 70.08	1	1	0.400 - 0.400	5.0000	12.5000	0.00
CCI-SFP-050125	B	No	(CaAa) Surface Af	70.08 - 67.58	1	1	0.400 - 0.400	5.0000	12.5000	0.00
CCI-SFP-050125	C	No	(CaAa) Surface Af	67.58 - 35.58	1	1	-0.200 - -0.200	5.0000	12.5000	0.00
CCI-SFP-065125	A	No	(CaAa) Surface Af	35.58 - 35.00	1	1	0.400 - 0.400	6.5000	15.5000	0.00
CCI-SFP-065125	B	No	(CaAa) Surface Af	10.00 - 35.00	1	1	-0.300 - -0.300	6.5000	15.5000	0.00
*****										

### 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>A</sub> A <sub>A</sub> ft <sup>2</sup> /ft	Weight plf
*****									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	168.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
FB-L98B-034-XXXXXX(3/8)	C	No	No	Inside Pole	168.00 - 0.00	2	No Ice	0.00	0.05
							1/2" Ice	0.00	0.05
							1" Ice	0.00	0.05
LDF2-50(3/8)	C	No	No	Inside Pole	168.00 - 0.00	1	No Ice	0.00	0.08
							1/2" Ice	0.00	0.08
							1" Ice	0.00	0.08
Conduit (2")	C	No	No	Inside Pole	168.00 - 0.00	1	No Ice	0.00	2.80
							1/2" Ice	0.00	2.80
							1" Ice	0.00	2.80

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
***									
PWRT-606-S(7/8)	C	No	No	Inside Pole	168.00 - 0.00	5	No Ice	0.00	0.89
							1/2" Ice	0.00	0.89
							1" Ice	0.00	0.89
PWRT-608-S(13/16)	C	No	No	Inside Pole	168.00 - 0.00	6	No Ice	0.00	0.62
							1/2" Ice	0.00	0.62
							1" Ice	0.00	0.62
FB-L98B-034-XXXXXX(3/8)	C	No	No	Inside Pole	168.00 - 0.00	1	No Ice	0.00	0.05
							1/2" Ice	0.00	0.05
							1" Ice	0.00	0.05
FB-L98B-235-XXX(3/8)	C	No	No	Inside Pole	168.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
*****									
CU12PSM6P4XXX (1-3/4)	C	No	No	Inside Pole	147.00 - 0.00	1	No Ice	0.00	2.72
							1/2" Ice	0.00	2.72
							1" Ice	0.00	2.72
*****									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	140.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
HB158-1-08U8-S8J18(1-5/8)	A	No	No	Inside Pole	140.00 - 0.00	1	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
LDF7-50A(1-5/8)	B	No	No	Inside Pole	128.00 - 0.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
*****									

**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	168.50-163.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.540	0.000	0.08
L2	163.50-158.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.540	0.000	0.09
L3	158.50-153.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	2.636	0.000	0.12
L4	153.50-148.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	3.534	0.000	0.13
L5	148.50-143.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	3.534	0.000	0.14
L6	143.50-138.50	A	0.000	0.000	1.231	0.000	0.01
		B	0.000	0.000	1.000	0.000	0.00
		C	0.000	0.000	3.867	0.000	0.14
L7	138.50-138.00	A	0.000	0.000	0.410	0.000	0.00
		B	0.000	0.000	0.333	0.000	0.00
		C	0.000	0.000	1.020	0.000	0.01
L8	138.00-137.75	A	0.000	0.000	0.205	0.000	0.00
		B	0.000	0.000	0.167	0.000	0.00
		C	0.000	0.000	0.510	0.000	0.01
L9	137.75-136.75	A	0.000	0.000	0.821	0.000	0.01
		B	0.000	0.000	0.667	0.000	0.00
		C	0.000	0.000	2.040	0.000	0.03
L10	136.75-136.50	A	0.000	0.000	0.205	0.000	0.00
		B	0.000	0.000	0.167	0.000	0.00
		C	0.000	0.000	0.510	0.000	0.01

Tower Sectio n	Tower Elevation ft	Face	A <sub>R</sub> ft <sup>2</sup>	A <sub>F</sub> ft <sup>2</sup>	C <sub>A</sub> A <sub>A</sub> In Face ft <sup>2</sup>	C <sub>A</sub> A <sub>A</sub> Out Face ft <sup>2</sup>	Weight K
L11	136.50-130.67	A	0.000	0.000	4.787	0.000	0.05
		B	0.000	0.000	3.889	0.000	0.00
		C	0.000	0.000	11.900	0.000	0.17
L12	130.67-129.33	A	0.000	0.000	1.100	0.000	0.01
		B	0.000	0.000	0.893	0.000	0.00
		C	0.000	0.000	2.734	0.000	0.04
L13	129.33-125.75	A	0.000	0.000	4.121	0.000	0.03
		B	0.000	0.000	3.851	0.000	0.02
		C	0.000	0.000	8.483	0.000	0.10
L14	125.75-125.50	A	0.000	0.000	0.393	0.000	0.00
		B	0.000	0.000	0.385	0.000	0.00
		C	0.000	0.000	0.698	0.000	0.01
L15	125.50-120.50	A	0.000	0.000	8.853	0.000	0.04
		B	0.000	0.000	8.708	0.000	0.05
		C	0.000	0.000	13.950	0.000	0.14
L16	120.50-120.25	A	0.000	0.000	0.559	0.000	0.00
		B	0.000	0.000	0.552	0.000	0.00
		C	0.000	0.000	0.698	0.000	0.01
L17	120.25-115.25	A	0.000	0.000	11.670	0.000	0.04
		B	0.000	0.000	15.483	0.000	0.10
		C	0.000	0.000	14.434	0.000	0.14
L18	115.25-113.83	A	0.000	0.000	4.351	0.000	0.01
		B	0.000	0.000	5.491	0.000	0.03
		C	0.000	0.000	5.134	0.000	0.04
L19	113.83-113.58	A	0.000	0.000	0.768	0.000	0.00
		B	0.000	0.000	0.969	0.000	0.01
		C	0.000	0.000	0.906	0.000	0.01
L20	113.58-113.33	A	0.000	0.000	0.768	0.000	0.00
		B	0.000	0.000	0.969	0.000	0.01
		C	0.000	0.000	0.906	0.000	0.01
L21	113.33-113.08	A	0.000	0.000	0.768	0.000	0.00
		B	0.000	0.000	0.969	0.000	0.01
		C	0.000	0.000	0.906	0.000	0.01
L22	113.08-112.00	A	0.000	0.000	3.326	0.000	0.01
		B	0.000	0.000	4.197	0.000	0.02
		C	0.000	0.000	3.924	0.000	0.03
L23	112.00-111.75	A	0.000	0.000	0.601	0.000	0.00
		B	0.000	0.000	0.802	0.000	0.01
		C	0.000	0.000	0.906	0.000	0.01
L24	111.75-106.75	A	0.000	0.000	9.853	0.000	0.04
		B	0.000	0.000	13.875	0.000	0.11
		C	0.000	0.000	13.784	0.000	0.14
L25	106.75-101.75	A	0.000	0.000	8.687	0.000	0.04
		B	0.000	0.000	12.708	0.000	0.11
		C	0.000	0.000	11.451	0.000	0.14
L26	101.75-98.42	A	0.000	0.000	7.460	0.000	0.03
		B	0.000	0.000	11.898	0.000	0.07
		C	0.000	0.000	9.390	0.000	0.09
L27	98.42-98.17	A	0.000	0.000	0.643	0.000	0.00
		B	0.000	0.000	1.047	0.000	0.01
		C	0.000	0.000	0.776	0.000	0.01
L28	98.17-93.17	A	0.000	0.000	12.853	0.000	0.04
		B	0.000	0.000	20.935	0.000	0.11
		C	0.000	0.000	15.511	0.000	0.14
L29	93.17-84.72	A	0.000	0.000	21.061	0.000	0.07
		B	0.000	0.000	30.023	0.000	0.18
		C	0.000	0.000	23.525	0.000	0.24
L30	84.72-83.72	A	0.000	0.000	3.075	0.000	0.02
		B	0.000	0.000	2.750	0.000	0.01
		C	0.000	0.000	3.627	0.000	0.04
L31	83.72-82.83	A	0.000	0.000	3.009	0.000	0.02
		B	0.000	0.000	2.910	0.000	0.01
		C	0.000	0.000	3.498	0.000	0.03
L32	82.83-82.58	A	0.000	0.000	0.851	0.000	0.00
		B	0.000	0.000	0.823	0.000	0.00
		C	0.000	0.000	0.989	0.000	0.01
L33	82.58-77.58	A	0.000	0.000	17.020	0.000	0.09
		B	0.000	0.000	18.827	0.000	0.05
		C	0.000	0.000	22.153	0.000	0.20

Tower Sectio n	Tower Elevation ft	Face	A <sub>R</sub> ft <sup>2</sup>	A <sub>F</sub> ft <sup>2</sup>	C <sub>A</sub> A <sub>A</sub> In Face ft <sup>2</sup>	C <sub>A</sub> A <sub>A</sub> Out Face ft <sup>2</sup>	Weight K
L34	77.58-73.42	A	0.000	0.000	17.521	0.000	0.08
		B	0.000	0.000	18.767	0.000	0.04
		C	0.000	0.000	21.538	0.000	0.16
L35	73.42-73.17	A	0.000	0.000	1.268	0.000	0.00
		B	0.000	0.000	1.234	0.000	0.00
		C	0.000	0.000	1.401	0.000	0.01
L36	73.17-72.42	A	0.000	0.000	3.634	0.000	0.01
		B	0.000	0.000	3.533	0.000	0.01
		C	0.000	0.000	3.863	0.000	0.03
L37	72.42-72.17	A	0.000	0.000	1.247	0.000	0.00
		B	0.000	0.000	1.213	0.000	0.00
		C	0.000	0.000	1.359	0.000	0.01
L38	72.17-68.08	A	0.000	0.000	20.082	0.000	0.08
		B	0.000	0.000	17.639	0.000	0.04
		C	0.000	0.000	20.298	0.000	0.16
L39	68.08-67.83	A	0.000	0.000	1.247	0.000	0.00
		B	0.000	0.000	1.010	0.000	0.00
		C	0.000	0.000	1.156	0.000	0.01
L40	67.83-65.58	A	0.000	0.000	11.222	0.000	0.04
		B	0.000	0.000	10.758	0.000	0.02
		C	0.000	0.000	12.067	0.000	0.09
L41	65.58-65.33	A	0.000	0.000	1.247	0.000	0.00
		B	0.000	0.000	1.219	0.000	0.00
		C	0.000	0.000	1.364	0.000	0.01
L42	65.33-64.25	A	0.000	0.000	5.403	0.000	0.02
		B	0.000	0.000	5.281	0.000	0.01
		C	0.000	0.000	5.911	0.000	0.04
L43	64.25-64.00	A	0.000	0.000	1.247	0.000	0.00
		B	0.000	0.000	1.219	0.000	0.00
		C	0.000	0.000	1.364	0.000	0.01
L44	64.00-59.00	A	0.000	0.000	22.124	0.000	0.09
		B	0.000	0.000	21.562	0.000	0.05
		C	0.000	0.000	21.659	0.000	0.20
L45	59.00-54.00	A	0.000	0.000	21.187	0.000	0.09
		B	0.000	0.000	21.839	0.000	0.05
		C	0.000	0.000	20.998	0.000	0.20
L46	54.00-43.83	A	0.000	0.000	48.712	0.000	0.19
		B	0.000	0.000	51.647	0.000	0.11
		C	0.000	0.000	49.936	0.000	0.40
L47	43.83-42.83	A	0.000	0.000	4.801	0.000	0.02
		B	0.000	0.000	4.753	0.000	0.01
		C	0.000	0.000	4.354	0.000	0.04
L48	42.83-41.75	A	0.000	0.000	5.192	0.000	0.02
		B	0.000	0.000	5.161	0.000	0.01
		C	0.000	0.000	4.710	0.000	0.04
L49	41.75-41.50	A	0.000	0.000	1.205	0.000	0.00
		B	0.000	0.000	1.198	0.000	0.00
		C	0.000	0.000	1.093	0.000	0.01
L50	41.50-36.50	A	0.000	0.000	24.103	0.000	0.09
		B	0.000	0.000	23.958	0.000	0.05
		C	0.000	0.000	21.867	0.000	0.20
L51	36.50-32.75	A	0.000	0.000	18.573	0.000	0.07
		B	0.000	0.000	18.744	0.000	0.04
		C	0.000	0.000	16.680	0.000	0.15
L52	32.75-32.50	A	0.000	0.000	1.268	0.000	0.00
		B	0.000	0.000	1.292	0.000	0.00
		C	0.000	0.000	1.125	0.000	0.01
L53	32.50-32.25	A	0.000	0.000	1.268	0.000	0.00
		B	0.000	0.000	1.292	0.000	0.00
		C	0.000	0.000	1.125	0.000	0.01
L54	32.25-32.00	A	0.000	0.000	1.268	0.000	0.00
		B	0.000	0.000	1.292	0.000	0.00
		C	0.000	0.000	1.125	0.000	0.01
L55	32.00-30.33	A	0.000	0.000	8.870	0.000	0.03
		B	0.000	0.000	9.031	0.000	0.02
		C	0.000	0.000	8.335	0.000	0.07
L56	30.33-30.08	A	0.000	0.000	1.518	0.000	0.00
		B	0.000	0.000	1.542	0.000	0.00
		C	0.000	0.000	1.625	0.000	0.01

Tower Section <i>n</i>	Tower Elevation <i>ft</i>	Face	$A_R$ <i>ft</i> <sup>2</sup>	$A_F$ <i>ft</i> <sup>2</sup>	$C_{AA}$ In Face <i>ft</i> <sup>2</sup>	$C_{AA}$ Out Face <i>ft</i> <sup>2</sup>	Weight <i>K</i>
L57	30.08-28.25	A	0.000	0.000	11.128	0.000	0.03
		B	0.000	0.000	11.305	0.000	0.02
		C	0.000	0.000	11.913	0.000	0.07
L58	28.25-28.00	A	0.000	0.000	1.518	0.000	0.00
		B	0.000	0.000	1.542	0.000	0.00
		C	0.000	0.000	1.625	0.000	0.01
L59	28.00-23.00	A	0.000	0.000	24.249	0.000	0.09
		B	0.000	0.000	27.169	0.000	0.05
		C	0.000	0.000	32.391	0.000	0.20
L60	23.00-19.25	A	0.000	0.000	18.078	0.000	0.07
		B	0.000	0.000	18.594	0.000	0.04
		C	0.000	0.000	22.651	0.000	0.15
L61	19.25-19.00	A	0.000	0.000	1.205	0.000	0.00
		B	0.000	0.000	1.240	0.000	0.00
		C	0.000	0.000	1.510	0.000	0.01
L62	19.00-14.50	A	0.000	0.000	19.256	0.000	0.08
		B	0.000	0.000	19.875	0.000	0.05
		C	0.000	0.000	22.306	0.000	0.18
L63	14.50-14.25	A	0.000	0.000	1.018	0.000	0.00
		B	0.000	0.000	1.052	0.000	0.00
		C	0.000	0.000	1.135	0.000	0.01
L64	14.25-12.75	A	0.000	0.000	6.106	0.000	0.03
		B	0.000	0.000	6.312	0.000	0.02
		C	0.000	0.000	6.810	0.000	0.06
L65	12.75-12.50	A	0.000	0.000	1.018	0.000	0.00
		B	0.000	0.000	1.052	0.000	0.00
		C	0.000	0.000	1.135	0.000	0.01
L66	12.50-7.50	A	0.000	0.000	17.645	0.000	0.09
		B	0.000	0.000	18.333	0.000	0.05
		C	0.000	0.000	22.701	0.000	0.20
L67	7.50-3.50	A	0.000	0.000	11.949	0.000	0.07
		B	0.000	0.000	12.500	0.000	0.04
		C	0.000	0.000	18.161	0.000	0.16
L68	3.50-3.25	A	0.000	0.000	0.747	0.000	0.00
		B	0.000	0.000	0.781	0.000	0.00
		C	0.000	0.000	1.135	0.000	0.01
L69	3.25-0.00	A	0.000	0.000	9.709	0.000	0.06
		B	0.000	0.000	10.156	0.000	0.03
		C	0.000	0.000	14.755	0.000	0.13

**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</i> <sup>2</sup>	$A_F$ <i>ft</i> <sup>2</sup>	$C_{AA}$ In Face <i>ft</i> <sup>2</sup>	$C_{AA}$ Out Face <i>ft</i> <sup>2</sup>	Weight <i>K</i>
L1	168.50-163.50	A	0.999	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	2.538	0.000	0.10
L2	163.50-158.50	A	0.996	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	2.532	0.000	0.11
L3	158.50-153.50	A	0.993	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	6.014	0.000	0.16
L4	153.50-148.50	A	0.990	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	7.499	0.000	0.18
L5	148.50-143.50	A	0.986	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	7.488	0.000	0.19
L6	143.50-138.50	A	0.983	0.000	0.000	1.821	0.000	0.02
		B		0.000	0.000	1.295	0.000	0.01
		C		0.000	0.000	7.908	0.000	0.20
L7	138.50-138.00	A	0.981	0.000	0.000	0.607	0.000	0.01
		B		0.000	0.000	0.431	0.000	0.00
		C		0.000	0.000	1.610	0.000	0.03

Tower Section	Tower Elevation	Face or Leg	Ice Thickness	A <sub>R</sub>	A <sub>F</sub>	C <sub>A</sub> A <sub>A</sub> In Face	C <sub>A</sub> A <sub>A</sub> Out Face	Weight
n	ft		in	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	K
L8	138.00-137.75	A	0.981	0.000	0.000	0.303	0.000	0.00
		B		0.000	0.000	0.216	0.000	0.00
		C		0.000	0.000	0.805	0.000	0.01
L9	137.75-136.75	A	0.980	0.000	0.000	1.213	0.000	0.02
		B		0.000	0.000	0.863	0.000	0.01
		C		0.000	0.000	3.219	0.000	0.05
L10	136.75-136.50	A	0.980	0.000	0.000	0.303	0.000	0.00
		B		0.000	0.000	0.216	0.000	0.00
		C		0.000	0.000	0.805	0.000	0.01
L11	136.50-130.67	A	0.978	0.000	0.000	7.068	0.000	0.10
		B		0.000	0.000	5.029	0.000	0.03
		C		0.000	0.000	18.760	0.000	0.29
L12	130.67-129.33	A	0.975	0.000	0.000	1.624	0.000	0.02
		B		0.000	0.000	1.155	0.000	0.01
		C		0.000	0.000	4.310	0.000	0.07
L13	129.33-125.75	A	0.973	0.000	0.000	5.821	0.000	0.07
		B		0.000	0.000	5.293	0.000	0.06
		C		0.000	0.000	12.981	0.000	0.19
L14	125.75-125.50	A	0.972	0.000	0.000	0.538	0.000	0.01
		B		0.000	0.000	0.531	0.000	0.01
		C		0.000	0.000	1.039	0.000	0.01
L15	125.50-120.50	A	0.970	0.000	0.000	11.976	0.000	0.12
		B		0.000	0.000	11.832	0.000	0.13
		C		0.000	0.000	20.757	0.000	0.28
L16	120.50-120.25	A	0.967	0.000	0.000	0.740	0.000	0.01
		B		0.000	0.000	0.733	0.000	0.01
		C		0.000	0.000	1.037	0.000	0.01
L17	120.25-115.25	A	0.965	0.000	0.000	15.394	0.000	0.14
		B		0.000	0.000	20.124	0.000	0.23
		C		0.000	0.000	21.328	0.000	0.28
L18	115.25-113.83	A	0.963	0.000	0.000	5.645	0.000	0.05
		B		0.000	0.000	7.057	0.000	0.07
		C		0.000	0.000	7.324	0.000	0.09
L19	113.83-113.58	A	0.962	0.000	0.000	0.996	0.000	0.01
		B		0.000	0.000	1.245	0.000	0.01
		C		0.000	0.000	1.292	0.000	0.02
L20	113.58-113.33	A	0.962	0.000	0.000	0.996	0.000	0.01
		B		0.000	0.000	1.245	0.000	0.01
		C		0.000	0.000	1.292	0.000	0.02
L21	113.33-113.08	A	0.962	0.000	0.000	0.996	0.000	0.01
		B		0.000	0.000	1.245	0.000	0.01
		C		0.000	0.000	1.292	0.000	0.02
L22	113.08-112.00	A	0.961	0.000	0.000	4.313	0.000	0.04
		B		0.000	0.000	5.392	0.000	0.06
		C		0.000	0.000	5.595	0.000	0.07
L23	112.00-111.75	A	0.960	0.000	0.000	0.793	0.000	0.01
		B		0.000	0.000	1.042	0.000	0.01
		C		0.000	0.000	1.291	0.000	0.02
L24	111.75-106.75	A	0.958	0.000	0.000	13.063	0.000	0.12
		B		0.000	0.000	18.043	0.000	0.21
		C		0.000	0.000	20.233	0.000	0.27
L25	106.75-101.75	A	0.954	0.000	0.000	11.547	0.000	0.11
		B		0.000	0.000	16.523	0.000	0.20
		C		0.000	0.000	17.206	0.000	0.25
L26	101.75-98.42	A	0.950	0.000	0.000	9.740	0.000	0.09
		B		0.000	0.000	15.032	0.000	0.16
		C		0.000	0.000	13.434	0.000	0.18
L27	98.42-98.17	A	0.948	0.000	0.000	0.832	0.000	0.01
		B		0.000	0.000	1.309	0.000	0.01
		C		0.000	0.000	1.087	0.000	0.01
L28	98.17-93.17	A	0.945	0.000	0.000	16.635	0.000	0.14
		B		0.000	0.000	26.169	0.000	0.26
		C		0.000	0.000	21.730	0.000	0.28
L29	93.17-84.72	A	0.939	0.000	0.000	27.196	0.000	0.23
		B		0.000	0.000	38.013	0.000	0.40
		C		0.000	0.000	27.237	0.000	0.44
L30	84.72-83.72	A	0.933	0.000	0.000	3.932	0.000	0.04
		B		0.000	0.000	2.403	0.000	0.03
		C		0.000	0.000	3.014	0.000	0.07



Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	$A_R$ ft <sup>2</sup>	$A_F$ ft <sup>2</sup>	$C_A A_A$ In Face ft <sup>2</sup>	$C_A A_A$ Out Face ft <sup>2</sup>	Weight K
L31	83.72-82.83	A	0.932	0.000	0.000	3.833	0.000	0.04
		B		0.000	0.000	2.078	0.000	0.03
		C		0.000	0.000	3.022	0.000	0.06
L32	82.83-82.58	A	0.932	0.000	0.000	1.084	0.000	0.01
		B		0.000	0.000	0.588	0.000	0.01
		C		0.000	0.000	0.855	0.000	0.02
L33	82.58-77.58	A	0.929	0.000	0.000	21.664	0.000	0.22
		B		0.000	0.000	14.404	0.000	0.18
		C		0.000	0.000	19.735	0.000	0.36
L34	77.58-73.42	A	0.923	0.000	0.000	18.029	0.000	0.20
		B		0.000	0.000	15.608	0.000	0.17
		C		0.000	0.000	20.039	0.000	0.32
L35	73.42-73.17	A	0.921	0.000	0.000	1.081	0.000	0.01
		B		0.000	0.000	1.068	0.000	0.01
		C		0.000	0.000	1.334	0.000	0.02
L36	73.17-72.42	A	0.920	0.000	0.000	3.018	0.000	0.04
		B		0.000	0.000	2.978	0.000	0.03
		C		0.000	0.000	4.000	0.000	0.06
L37	72.42-72.17	A	0.919	0.000	0.000	1.042	0.000	0.01
		B		0.000	0.000	1.029	0.000	0.01
		C		0.000	0.000	1.333	0.000	0.02
L38	72.17-68.08	A	0.917	0.000	0.000	16.657	0.000	0.21
		B		0.000	0.000	14.318	0.000	0.16
		C		0.000	0.000	19.634	0.000	0.31
L39	68.08-67.83	A	0.914	0.000	0.000	1.040	0.000	0.01
		B		0.000	0.000	0.800	0.000	0.01
		C		0.000	0.000	1.104	0.000	0.02
L40	67.83-65.58	A	0.912	0.000	0.000	9.359	0.000	0.12
		B		0.000	0.000	9.224	0.000	0.10
		C		0.000	0.000	11.958	0.000	0.18
L41	65.58-65.33	A	0.910	0.000	0.000	1.040	0.000	0.01
		B		0.000	0.000	1.053	0.000	0.01
		C		0.000	0.000	1.357	0.000	0.02
L42	65.33-64.25	A	0.909	0.000	0.000	4.504	0.000	0.06
		B		0.000	0.000	4.563	0.000	0.05
		C		0.000	0.000	5.877	0.000	0.09
L43	64.25-64.00	A	0.908	0.000	0.000	1.039	0.000	0.01
		B		0.000	0.000	1.053	0.000	0.01
		C		0.000	0.000	1.356	0.000	0.02
L44	64.00-59.00	A	0.905	0.000	0.000	17.545	0.000	0.24
		B		0.000	0.000	17.817	0.000	0.20
		C		0.000	0.000	27.091	0.000	0.36
L45	59.00-54.00	A	0.897	0.000	0.000	16.441	0.000	0.23
		B		0.000	0.000	18.071	0.000	0.20
		C		0.000	0.000	28.394	0.000	0.36
L46	54.00-43.83	A	0.884	0.000	0.000	33.346	0.000	0.49
		B		0.000	0.000	44.840	0.000	0.44
		C		0.000	0.000	65.757	0.000	0.77
L47	43.83-42.83	A	0.873	0.000	0.000	3.509	0.000	0.05
		B		0.000	0.000	3.499	0.000	0.04
		C		0.000	0.000	5.786	0.000	0.07
L48	42.83-41.75	A	0.871	0.000	0.000	3.789	0.000	0.05
		B		0.000	0.000	3.757	0.000	0.04
		C		0.000	0.000	6.232	0.000	0.08
L49	41.75-41.50	A	0.870	0.000	0.000	0.879	0.000	0.01
		B		0.000	0.000	0.872	0.000	0.01
		C		0.000	0.000	1.446	0.000	0.02
L50	41.50-36.50	A	0.864	0.000	0.000	17.561	0.000	0.24
		B		0.000	0.000	17.416	0.000	0.20
		C		0.000	0.000	28.882	0.000	0.35
L51	36.50-32.75	A	0.854	0.000	0.000	13.622	0.000	0.18
		B		0.000	0.000	13.564	0.000	0.15
		C		0.000	0.000	21.657	0.000	0.26
L52	32.75-32.50	A	0.849	0.000	0.000	0.937	0.000	0.01
		B		0.000	0.000	0.942	0.000	0.01
		C		0.000	0.000	1.451	0.000	0.02
L53	32.50-32.25	A	0.848	0.000	0.000	0.937	0.000	0.01
		B		0.000	0.000	0.942	0.000	0.01
		C		0.000	0.000	1.450	0.000	0.02

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A <sub>R</sub> ft <sup>2</sup>	A <sub>F</sub> ft <sup>2</sup>	C <sub>A</sub> A <sub>A</sub> In Face ft <sup>2</sup>	C <sub>A</sub> A <sub>A</sub> Out Face ft <sup>2</sup>	Weight K
L54	32.25-32.00	A	0.848	0.000	0.000	0.937	0.000	0.01
		B		0.000	0.000	0.942	0.000	0.01
		C		0.000	0.000	1.450	0.000	0.02
L55	32.00-30.33	A	0.845	0.000	0.000	6.733	0.000	0.08
		B		0.000	0.000	6.766	0.000	0.07
		C		0.000	0.000	9.664	0.000	0.12
L56	30.33-30.08	A	0.843	0.000	0.000	1.228	0.000	0.01
		B		0.000	0.000	1.233	0.000	0.01
		C		0.000	0.000	1.448	0.000	0.02
L57	30.08-28.25	A	0.840	0.000	0.000	9.000	0.000	0.10
		B		0.000	0.000	9.037	0.000	0.08
		C		0.000	0.000	10.612	0.000	0.15
L58	28.25-28.00	A	0.837	0.000	0.000	1.227	0.000	0.01
		B		0.000	0.000	1.232	0.000	0.01
		C		0.000	0.000	1.446	0.000	0.02
L59	28.00-23.00	A	0.828	0.000	0.000	28.537	0.000	0.24
		B		0.000	0.000	20.386	0.000	0.21
		C		0.000	0.000	20.615	0.000	0.39
L60	23.00-19.25	A	0.813	0.000	0.000	21.499	0.000	0.18
		B		0.000	0.000	13.295	0.000	0.14
		C		0.000	0.000	13.288	0.000	0.28
L61	19.25-19.00	A	0.805	0.000	0.000	1.431	0.000	0.01
		B		0.000	0.000	0.885	0.000	0.01
		C		0.000	0.000	0.884	0.000	0.02
L62	19.00-14.50	A	0.794	0.000	0.000	22.951	0.000	0.19
		B		0.000	0.000	13.141	0.000	0.15
		C		0.000	0.000	15.857	0.000	0.31
L63	14.50-14.25	A	0.782	0.000	0.000	1.213	0.000	0.01
		B		0.000	0.000	0.669	0.000	0.01
		C		0.000	0.000	0.878	0.000	0.02
L64	14.25-12.75	A	0.777	0.000	0.000	7.272	0.000	0.06
		B		0.000	0.000	4.012	0.000	0.05
		C		0.000	0.000	5.259	0.000	0.10
L65	12.75-12.50	A	0.772	0.000	0.000	1.211	0.000	0.01
		B		0.000	0.000	0.668	0.000	0.01
		C		0.000	0.000	0.875	0.000	0.02
L66	12.50-7.50	A	0.754	0.000	0.000	21.039	0.000	0.19
		B		0.000	0.000	10.219	0.000	0.14
		C		0.000	0.000	17.409	0.000	0.32
L67	7.50-3.50	A	0.711	0.000	0.000	14.223	0.000	0.13
		B		0.000	0.000	5.637	0.000	0.10
		C		0.000	0.000	13.743	0.000	0.25
L68	3.50-3.25	A	0.677	0.000	0.000	0.882	0.000	0.01
		B		0.000	0.000	0.349	0.000	0.01
		C		0.000	0.000	0.850	0.000	0.02
L69	3.25-0.00	A	0.629	0.000	0.000	11.344	0.000	0.10
		B		0.000	0.000	4.474	0.000	0.07
		C		0.000	0.000	10.888	0.000	0.19

### Feed Line Center of Pressure

Section	Elevation ft	CP <sub>x</sub> in	CP <sub>z</sub> in	CP <sub>x</sub> Ice in	CP <sub>z</sub> Ice in
L1	168.50-163.50	0.0000	0.8275	0.0000	1.8937
L2	163.50-158.50	0.0000	0.8292	0.0000	1.9090
L3	158.50-153.50	-1.7132	2.6763	-1.3406	2.9987
L4	153.50-148.50	-2.2390	3.2511	-1.7358	3.3442
L5	148.50-143.50	-2.2605	3.2837	-1.7625	3.3961
L6	143.50-138.50	-2.5764	1.7609	-2.0618	2.2786
L7	138.50-138.00	-1.9010	1.5385	-1.7518	1.7511
L8	138.00-137.75	-1.9044	1.5411	-1.7549	1.7541
L9	137.75-136.75	-1.9097	1.5452	-1.7598	1.7588
L10	136.75-136.50	-1.9158	1.5498	-1.7654	1.7642
L11	136.50-130.67	-1.9416	1.5696	-1.7892	1.7871
L12	130.67-129.33	-1.9525	1.5780	-1.7994	1.7971

Section	Elevation	CP <sub>x</sub>	CP <sub>z</sub>	CP <sub>x</sub>	CP <sub>z</sub>
	ft	in	in	Ice in	Ice in
L13	129.33-125.75	-1.4625	1.2809	-1.2901	1.4946
L14	125.75-125.50	-1.1376	1.0498	-0.9803	1.2606
L15	125.50-120.50	-1.0934	0.6580	-0.9529	0.9494
L16	120.50-120.25	-0.9906	-0.1341	-0.8832	0.2928
L17	120.25-115.25	0.0573	-0.6709	-0.0225	-0.1878
L18	115.25-113.83	0.0888	-0.5804	0.0162	-0.1819
L19	113.83-113.58	0.0819	-0.5346	0.0163	-0.1827
L20	113.58-113.33	0.0894	-0.5837	0.0164	-0.1832
L21	113.33-113.08	0.0896	-0.5845	0.0164	-0.1835
L22	113.08-112.00	0.0899	-0.5865	0.0165	-0.1843
L23	112.00-111.75	0.1013	0.2303	0.0183	0.5355
L24	111.75-106.75	0.4465	0.0890	0.3014	0.4673
L25	106.75-101.75	0.7042	-0.0127	0.5038	0.4252
L26	101.75-98.42	2.0536	-0.3073	1.6008	0.0110
L27	98.42-98.17	2.6012	-0.6089	2.0793	-0.3262
L28	98.17-93.17	2.6315	-0.6160	2.1030	-0.3300
L29	93.17-84.72	1.7058	-1.7458	1.3643	-2.0054
L30	84.72-83.72	-0.3098	-0.7722	-1.3851	-1.8893
L31	83.72-82.83	-0.0393	-0.8413	-1.6726	-1.5269
L32	82.83-82.58	-0.0394	-0.8434	-1.6766	-1.5306
L33	82.58-77.58	0.8381	0.2763	-0.8498	-0.5462
L34	77.58-73.42	0.8906	0.6804	0.0706	0.2940
L35	73.42-73.17	0.4096	0.3770	0.4234	0.4787
L36	73.17-72.42	0.4656	0.1893	0.4442	0.7521
L37	72.42-72.17	0.4511	0.3252	0.4338	0.6217
L38	72.17-68.08	-0.2967	-0.3938	-0.2297	0.0202
L39	68.08-67.83	-0.8557	-1.3007	-0.7158	-0.7753
L40	67.83-65.58	0.3543	0.1996	0.4343	0.6231
L41	65.58-65.33	0.4955	0.3736	0.5693	0.7874
L42	65.33-64.25	0.4968	0.3746	0.5707	0.7892
L43	64.25-64.00	0.4981	0.3755	0.5720	0.7908
L44	64.00-59.00	0.5775	-0.2443	0.6442	1.4862
L45	59.00-54.00	0.8654	-0.3315	0.8902	1.8622
L46	54.00-43.83	0.9367	-0.2150	1.4474	2.0867
L47	43.83-42.83	0.6435	-0.7076	0.6046	1.9007
L48	42.83-41.75	0.6629	-0.7184	0.5882	1.9081
L49	41.75-41.50	0.6645	-0.7201	0.5895	1.9121
L50	41.50-36.50	0.6707	-0.7266	0.5943	1.9280
L51	36.50-32.75	0.3482	-2.0376	0.2132	0.6911
L52	32.75-32.50	0.3090	-2.6191	0.1469	0.1285
L53	32.50-32.25	0.3093	-2.6213	0.1470	0.1285
L54	32.25-32.00	0.3096	-2.6236	0.1472	0.1284
L55	32.00-30.33	0.2936	-2.2024	0.1411	-0.1480
L56	30.33-30.08	0.2529	-1.1636	0.1248	-0.8452
L57	30.08-28.25	0.2539	-1.1678	0.1253	-0.8487
L58	28.25-28.00	0.2548	-1.1721	0.1259	-0.8522
L59	28.00-23.00	0.7443	-0.2605	-1.1559	-2.4110
L60	23.00-19.25	0.3439	-0.4947	-1.6911	-2.8703
L61	19.25-19.00	0.3462	-0.4980	-1.7015	-2.8903
L62	19.00-14.50	0.3954	-1.2947	-1.8989	-2.5688
L63	14.50-14.25	0.4200	-1.6691	-1.9958	-2.4388
L64	14.25-12.75	0.4211	-1.6736	-2.0009	-2.4465
L65	12.75-12.50	0.4222	-1.6779	-2.0057	-2.4538
L66	12.50-7.50	0.0965	0.1204	-2.4865	-0.8884
L67	7.50-3.50	-0.2862	2.2359	-3.0561	0.9144
L68	3.50-3.25	-0.2879	2.2497	-3.0762	0.9093
L69	3.25-0.00	-0.2893	2.2607	-3.0936	0.8983

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

### Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	$K_a$ No Ice	$K_a$ Ice
L1	2	Safety Line 3/8"	163.50 - 168.50	1.0000	1.0000
L1	3	Climbing Pegs	163.50 - 168.50	1.0000	1.0000
L2	2	Safety Line 3/8"	158.50 - 163.50	1.0000	1.0000
L2	3	Climbing Pegs	158.50 - 163.50	1.0000	1.0000
L3	2	Safety Line 3/8"	153.50 - 158.50	1.0000	1.0000
L3	3	Climbing Pegs	153.50 - 158.50	1.0000	1.0000
L3	20	HB158-21U6S24-xxM_TMO(1-5/8)	153.50 - 157.00	1.0000	1.0000
L4	2	Safety Line 3/8"	148.50 - 153.50	1.0000	1.0000
L4	3	Climbing Pegs	148.50 - 153.50	1.0000	1.0000
L4	20	HB158-21U6S24-xxM_TMO(1-5/8)	148.50 - 153.50	1.0000	1.0000
L5	2	Safety Line 3/8"	143.50 - 148.50	1.0000	1.0000
L5	3	Climbing Pegs	143.50 - 148.50	1.0000	1.0000
L5	20	HB158-21U6S24-xxM_TMO(1-5/8)	143.50 - 148.50	1.0000	1.0000
L6	2	Safety Line 3/8"	138.50 - 143.50	1.0000	1.0000
L6	3	Climbing Pegs	138.50 - 143.50	1.0000	1.0000
L6	20	HB158-21U6S24-xxM_TMO(1-5/8)	138.50 - 143.50	1.0000	1.0000
L6	25	HB114-U6S12-XXX-LI(1-1/4)	138.50 - 140.00	1.0000	1.0000
L6	74	CCI-SFP-040125	138.50 - 140.00	1.0000	1.0000
L6	75	CCI-SFP-040125	138.50 - 140.00	1.0000	1.0000
L6	76	CCI-SFP-040125	138.50 - 138.75	1.0000	1.0000
L6	77	CCI-SFP-040125	138.50 - 138.75	1.0000	1.0000
L7	2	Safety Line 3/8"	138.00 - 138.50	1.0000	1.0000
L7	3	Climbing Pegs	138.00 - 138.50	1.0000	1.0000
L7	20	HB158-21U6S24-xxM_TMO(1-5/8)	138.00 - 138.50	1.0000	1.0000
L7	25	HB114-U6S12-XXX-LI(1-1/4)	138.00 - 138.50	1.0000	1.0000
L7	74	CCI-SFP-040125	138.00 - 138.50	1.0000	1.0000
L7	75	CCI-SFP-040125	138.00 - 138.50	1.0000	1.0000
L7	76	CCI-SFP-040125	138.00 - 138.50	1.0000	1.0000
L7	77	CCI-SFP-040125	138.00 - 138.50	1.0000	1.0000
L8	2	Safety Line 3/8"	137.75 - 138.00	1.0000	1.0000
L8	3	Climbing Pegs	137.75 - 138.00	1.0000	1.0000
L8	20	HB158-21U6S24-xxM_TMO(1-5/8)	137.75 - 138.00	1.0000	1.0000
L8	25	HB114-U6S12-XXX-LI(1-1/4)	137.75 - 138.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L8	74	CCI-SFP-040125	137.75 - 138.00	1.0000	1.0000
L8	75	CCI-SFP-040125	137.75 - 138.00	1.0000	1.0000
L8	76	CCI-SFP-040125	137.75 - 138.00	1.0000	1.0000
L8	77	CCI-SFP-040125	137.75 - 138.00	1.0000	1.0000
L9	2	Safety Line 3/8"	136.75 - 137.75	1.0000	1.0000
L9	3	Climbing Pegs	136.75 - 137.75	1.0000	1.0000
L9	20	HB158-21U6S24- xxM_TMO(1-5/8)	136.75 - 137.75	1.0000	1.0000
L9	25	HB114-U6S12-XXX-LI(1- 1/4)	136.75 - 137.75	1.0000	1.0000
L9	74	CCI-SFP-040125	136.75 - 137.75	1.0000	1.0000
L9	75	CCI-SFP-040125	136.75 - 137.75	1.0000	1.0000
L9	76	CCI-SFP-040125	136.75 - 137.75	1.0000	1.0000
L9	77	CCI-SFP-040125	136.75 - 137.75	1.0000	1.0000
L10	2	Safety Line 3/8"	136.50 - 136.75	1.0000	1.0000
L10	3	Climbing Pegs	136.50 - 136.75	1.0000	1.0000
L10	20	HB158-21U6S24- xxM_TMO(1-5/8)	136.50 - 136.75	1.0000	1.0000
L10	25	HB114-U6S12-XXX-LI(1- 1/4)	136.50 - 136.75	1.0000	1.0000
L10	74	CCI-SFP-040125	136.50 - 136.75	1.0000	1.0000
L10	75	CCI-SFP-040125	136.50 - 136.75	1.0000	1.0000
L10	76	CCI-SFP-040125	136.50 - 136.75	1.0000	1.0000
L10	77	CCI-SFP-040125	136.50 - 136.75	1.0000	1.0000
L11	2	Safety Line 3/8"	130.67 - 136.50	1.0000	1.0000
L11	3	Climbing Pegs	130.67 - 136.50	1.0000	1.0000
L11	20	HB158-21U6S24- xxM_TMO(1-5/8)	130.67 - 136.50	1.0000	1.0000
L11	25	HB114-U6S12-XXX-LI(1- 1/4)	130.67 - 136.50	1.0000	1.0000
L11	74	CCI-SFP-040125	130.67 - 136.50	1.0000	1.0000
L11	75	CCI-SFP-040125	130.67 - 136.50	1.0000	1.0000
L11	76	CCI-SFP-040125	130.67 - 136.50	1.0000	1.0000
L11	77	CCI-SFP-040125	130.67 - 136.50	1.0000	1.0000
L12	2	Safety Line 3/8"	129.33 - 130.67	1.0000	1.0000
L12	3	Climbing Pegs	129.33 - 130.67	1.0000	1.0000
L12	20	HB158-21U6S24- xxM_TMO(1-5/8)	129.33 - 130.67	1.0000	1.0000
L12	25	HB114-U6S12-XXX-LI(1- 1/4)	129.33 - 130.67	1.0000	1.0000
L12	74	CCI-SFP-040125	129.33 - 130.67	1.0000	1.0000
L12	75	CCI-SFP-040125	129.33 - 130.67	1.0000	1.0000
L12	76	CCI-SFP-040125	129.33 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L12	77	CCI-SFP-040125	130.67 129.33 -	1.0000	1.0000
L13	2	Safety Line 3/8"	130.67 125.75 -	1.0000	1.0000
L13	3	Climbing Pegs	129.33 125.75 -	1.0000	1.0000
L13	20	HB158-21U6S24-xxM_TMO(1-5/8)	129.33 125.75 -	1.0000	1.0000
L13	25	HB114-U6S12-XXX-LI(1-1/4)	129.33 125.75 -	1.0000	1.0000
L13	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	129.33 125.75 -	1.0000	1.0000
L13	63	CCI-SFP-045100	128.00 125.75 -	1.0000	1.0000
L13	64	CCI-SFP-045100	127.33 125.75 -	1.0000	1.0000
L13	65	CCI-SFP-045100	127.33 125.75 -	1.0000	1.0000
L13	74	CCI-SFP-040125	127.33 125.75 -	1.0000	1.0000
L13	75	CCI-SFP-040125	129.33 125.75 -	1.0000	1.0000
L13	76	CCI-SFP-040125	129.33 125.75 -	1.0000	1.0000
L13	77	CCI-SFP-040125	129.33 125.75 -	1.0000	1.0000
L14	2	Safety Line 3/8"	129.33 125.50 -	1.0000	1.0000
L14	3	Climbing Pegs	125.75 125.50 -	1.0000	1.0000
L14	20	HB158-21U6S24-xxM_TMO(1-5/8)	125.75 125.50 -	1.0000	1.0000
L14	25	HB114-U6S12-XXX-LI(1-1/4)	125.75 125.50 -	1.0000	1.0000
L14	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	125.75 125.50 -	1.0000	1.0000
L14	63	CCI-SFP-045100	125.75 125.50 -	1.0000	1.0000
L14	64	CCI-SFP-045100	125.75 125.50 -	1.0000	1.0000
L14	65	CCI-SFP-045100	125.75 125.50 -	1.0000	1.0000
L14	74	CCI-SFP-040125	125.75 125.50 -	1.0000	1.0000
L14	75	CCI-SFP-040125	125.75 125.50 -	1.0000	1.0000
L14	76	CCI-SFP-040125	125.75 125.50 -	1.0000	1.0000
L14	77	CCI-SFP-040125	125.75 125.50 -	1.0000	1.0000
L15	2	Safety Line 3/8"	125.75 120.50 -	1.0000	1.0000
L15	3	Climbing Pegs	125.50 120.50 -	1.0000	1.0000
L15	20	HB158-21U6S24-xxM_TMO(1-5/8)	125.50 120.50 -	1.0000	1.0000
L15	25	HB114-U6S12-XXX-LI(1-1/4)	125.50 120.50 -	1.0000	1.0000
L15	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	125.50 120.50 -	1.0000	1.0000
L15	63	CCI-SFP-045100	125.50 120.50 -	1.0000	1.0000
L15	64	CCI-SFP-045100	125.50 120.50 -	1.0000	1.0000
L15	65	CCI-SFP-045100	125.50 120.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L15	67	CCI-SFP-040125	125.50 120.50 - 122.00	1.0000	1.0000
L15	68	CCI-SFP-040125	120.50 - 122.00	1.0000	1.0000
L15	74	CCI-SFP-040125	120.50 - 125.50	1.0000	1.0000
L15	75	CCI-SFP-040125	120.50 - 125.50	1.0000	1.0000
L15	76	CCI-SFP-040125	120.50 - 125.50	1.0000	1.0000
L15	77	CCI-SFP-040125	120.50 - 125.50	1.0000	1.0000
L16	2	Safety Line 3/8"	120.25 - 120.50	1.0000	1.0000
L16	3	Climbing Pegs	120.25 - 120.50	1.0000	1.0000
L16	20	HB158-21U6S24- xxM_TMO(1-5/8)	120.25 - 120.50	1.0000	1.0000
L16	25	HB114-U6S12-XXX-LI(1- 1/4)	120.25 - 120.50	1.0000	1.0000
L16	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	120.25 - 120.50	1.0000	1.0000
L16	63	CCI-SFP-045100	120.25 - 120.50	1.0000	1.0000
L16	64	CCI-SFP-045100	120.25 - 120.50	1.0000	1.0000
L16	65	CCI-SFP-045100	120.25 - 120.50	1.0000	1.0000
L16	67	CCI-SFP-040125	120.25 - 120.50	1.0000	1.0000
L16	68	CCI-SFP-040125	120.25 - 120.50	1.0000	1.0000
L16	74	CCI-SFP-040125	120.25 - 120.50	1.0000	1.0000
L16	75	CCI-SFP-040125	120.25 - 120.50	1.0000	1.0000
L16	76	CCI-SFP-040125	120.25 - 120.50	1.0000	1.0000
L16	77	CCI-SFP-040125	120.25 - 120.50	1.0000	1.0000
L17	2	Safety Line 3/8"	115.25 - 120.25	1.0000	1.0000
L17	3	Climbing Pegs	115.25 - 120.25	1.0000	1.0000
L17	20	HB158-21U6S24- xxM_TMO(1-5/8)	115.25 - 120.25	1.0000	1.0000
L17	25	HB114-U6S12-XXX-LI(1- 1/4)	115.25 - 120.25	1.0000	1.0000
L17	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	115.25 - 120.25	1.0000	1.0000
L17	33	FP 5"x0.625"	115.25 - 120.00	1.0000	1.0000
L17	47	FP 5"x1.25"	115.25 - 115.83	1.0000	1.0000
L17	48	FP 5"x1.25"	115.25 - 115.83	1.0000	1.0000
L17	49	FP 5"x1.25"	115.25 - 115.83	1.0000	1.0000
L17	63	CCI-SFP-045100	115.25 - 120.25	1.0000	1.0000
L17	64	CCI-SFP-045100	115.25 - 120.25	1.0000	1.0000
L17	65	CCI-SFP-045100	115.25 - 120.25	1.0000	1.0000
L17	67	CCI-SFP-040125	115.25 - 120.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L17	68	CCI-SFP-040125	115.25 - 120.25	1.0000	1.0000
L17	74	CCI-SFP-040125	115.25 - 120.25	1.0000	1.0000
L17	75	CCI-SFP-040125	115.25 - 120.25	1.0000	1.0000
L17	76	CCI-SFP-040125	115.25 - 120.25	1.0000	1.0000
L17	77	CCI-SFP-040125	115.25 - 120.25	1.0000	1.0000
L18	2	Safety Line 3/8"	113.83 - 115.25	1.0000	1.0000
L18	3	Climbing Pegs	113.83 - 115.25	1.0000	1.0000
L18	20	HB158-21U6S24-xxM_TMO(1-5/8)	113.83 - 115.25	1.0000	1.0000
L18	25	HB114-U6S12-XXX-LI(1-1/4)	113.83 - 115.25	1.0000	1.0000
L18	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	113.83 - 115.25	1.0000	1.0000
L18	33	FP 5"x0.625"	113.83 - 115.25	1.0000	1.0000
L18	47	FP 5"x1.25"	113.83 - 115.25	1.0000	1.0000
L18	48	FP 5"x1.25"	113.83 - 115.25	1.0000	1.0000
L18	49	FP 5"x1.25"	113.83 - 115.25	1.0000	1.0000
L18	63	CCI-SFP-045100	113.83 - 115.25	1.0000	1.0000
L18	64	CCI-SFP-045100	113.83 - 115.25	1.0000	1.0000
L18	65	CCI-SFP-045100	113.83 - 115.25	1.0000	1.0000
L18	67	CCI-SFP-040125	113.83 - 115.25	1.0000	1.0000
L18	68	CCI-SFP-040125	113.83 - 115.25	1.0000	1.0000
L18	74	CCI-SFP-040125	113.83 - 115.25	1.0000	1.0000
L18	75	CCI-SFP-040125	113.83 - 115.25	1.0000	1.0000
L18	76	CCI-SFP-040125	113.83 - 115.25	1.0000	1.0000
L18	77	CCI-SFP-040125	113.83 - 115.25	1.0000	1.0000
L19	2	Safety Line 3/8"	113.58 - 113.83	1.0000	1.0000
L19	3	Climbing Pegs	113.58 - 113.83	1.0000	1.0000
L19	20	HB158-21U6S24-xxM_TMO(1-5/8)	113.58 - 113.83	1.0000	1.0000
L19	25	HB114-U6S12-XXX-LI(1-1/4)	113.58 - 113.83	1.0000	1.0000
L19	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	113.58 - 113.83	1.0000	1.0000
L19	33	FP 5"x0.625"	113.58 - 113.83	1.0000	1.0000
L19	47	FP 5"x1.25"	113.58 - 113.83	1.0000	1.0000
L19	48	FP 5"x1.25"	113.58 - 113.83	1.0000	1.0000
L19	49	FP 5"x1.25"	113.58 - 113.83	1.0000	1.0000
L19	63	CCI-SFP-045100	113.58 - 113.83	1.0000	1.0000
L19	64	CCI-SFP-045100	113.58 - 113.83	1.0000	1.0000



Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L19	65	CCI-SFP-045100	113.83 113.58 -	1.0000	1.0000
L19	67	CCI-SFP-040125	113.83 113.58 -	1.0000	1.0000
L19	68	CCI-SFP-040125	113.83 113.58 -	1.0000	1.0000
L19	74	CCI-SFP-040125	113.83 113.58 -	1.0000	1.0000
L19	75	CCI-SFP-040125	113.83 113.58 -	1.0000	1.0000
L19	76	CCI-SFP-040125	113.83 113.58 -	1.0000	1.0000
L19	77	CCI-SFP-040125	113.83 113.58 -	1.0000	1.0000
L20	2	Safety Line 3/8"	113.33 - 113.58	1.0000	1.0000
L20	3	Climbing Pegs	113.33 - 113.58	1.0000	1.0000
L20	20	HB158-21U6S24- xxM_TMO(1-5/8)	113.33 - 113.58	1.0000	1.0000
L20	25	HB114-U6S12-XXX-LI(1- 1/4)	113.33 - 113.58	1.0000	1.0000
L20	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	113.33 - 113.58	1.0000	1.0000
L20	33	FP 5"x0.625"	113.33 - 113.58	1.0000	1.0000
L20	47	FP 5"x1.25"	113.33 - 113.58	1.0000	1.0000
L20	48	FP 5"x1.25"	113.33 - 113.58	1.0000	1.0000
L20	49	FP 5"x1.25"	113.33 - 113.58	1.0000	1.0000
L20	63	CCI-SFP-045100	113.33 - 113.58	1.0000	1.0000
L20	64	CCI-SFP-045100	113.33 - 113.58	1.0000	1.0000
L20	65	CCI-SFP-045100	113.33 - 113.58	1.0000	1.0000
L20	67	CCI-SFP-040125	113.33 - 113.58	1.0000	1.0000
L20	68	CCI-SFP-040125	113.33 - 113.58	1.0000	1.0000
L20	74	CCI-SFP-040125	113.33 - 113.58	1.0000	1.0000
L20	75	CCI-SFP-040125	113.33 - 113.58	1.0000	1.0000
L20	76	CCI-SFP-040125	113.33 - 113.58	1.0000	1.0000
L20	77	CCI-SFP-040125	113.33 - 113.58	1.0000	1.0000
L21	2	Safety Line 3/8"	113.08 - 113.33	1.0000	1.0000
L21	3	Climbing Pegs	113.08 - 113.33	1.0000	1.0000
L21	20	HB158-21U6S24- xxM_TMO(1-5/8)	113.08 - 113.33	1.0000	1.0000
L21	25	HB114-U6S12-XXX-LI(1- 1/4)	113.08 - 113.33	1.0000	1.0000
L21	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	113.08 - 113.33	1.0000	1.0000
L21	33	FP 5"x0.625"	113.08 - 113.33	1.0000	1.0000
L21	47	FP 5"x1.25"	113.08 - 113.33	1.0000	1.0000
L21	48	FP 5"x1.25"	113.08 - 113.33	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L21	49	FP 5"x1.25"	113.08 - 113.33	1.0000	1.0000
L21	63	CCI-SFP-045100	113.08 - 113.33	1.0000	1.0000
L21	64	CCI-SFP-045100	113.08 - 113.33	1.0000	1.0000
L21	65	CCI-SFP-045100	113.08 - 113.33	1.0000	1.0000
L21	67	CCI-SFP-040125	113.08 - 113.33	1.0000	1.0000
L21	68	CCI-SFP-040125	113.08 - 113.33	1.0000	1.0000
L21	74	CCI-SFP-040125	113.08 - 113.33	1.0000	1.0000
L21	75	CCI-SFP-040125	113.08 - 113.33	1.0000	1.0000
L21	76	CCI-SFP-040125	113.08 - 113.33	1.0000	1.0000
L21	77	CCI-SFP-040125	113.08 - 113.33	1.0000	1.0000
L22	2	Safety Line 3/8"	112.00 - 113.08	1.0000	1.0000
L22	3	Climbing Pegs	112.00 - 113.08	1.0000	1.0000
L22	20	HB158-21U6S24-xxM_TMO(1-5/8)	112.00 - 113.08	1.0000	1.0000
L22	25	HB114-U6S12-XXX-LI(1-1/4)	112.00 - 113.08	1.0000	1.0000
L22	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	112.00 - 113.08	1.0000	1.0000
L22	33	FP 5"x0.625"	112.00 - 113.08	1.0000	1.0000
L22	47	FP 5"x1.25"	112.00 - 113.08	1.0000	1.0000
L22	48	FP 5"x1.25"	112.00 - 113.08	1.0000	1.0000
L22	49	FP 5"x1.25"	112.00 - 113.08	1.0000	1.0000
L22	63	CCI-SFP-045100	112.00 - 113.08	1.0000	1.0000
L22	64	CCI-SFP-045100	112.00 - 113.08	1.0000	1.0000
L22	65	CCI-SFP-045100	112.00 - 113.08	1.0000	1.0000
L22	67	CCI-SFP-040125	112.00 - 113.08	1.0000	1.0000
L22	68	CCI-SFP-040125	112.00 - 113.08	1.0000	1.0000
L22	74	CCI-SFP-040125	112.00 - 113.08	1.0000	1.0000
L22	75	CCI-SFP-040125	112.00 - 113.08	1.0000	1.0000
L22	76	CCI-SFP-040125	112.00 - 113.08	1.0000	1.0000
L22	77	CCI-SFP-040125	112.00 - 113.08	1.0000	1.0000
L23	2	Safety Line 3/8"	111.75 - 112.00	1.0000	1.0000
L23	3	Climbing Pegs	111.75 - 112.00	1.0000	1.0000
L23	20	HB158-21U6S24-xxM_TMO(1-5/8)	111.75 - 112.00	1.0000	1.0000
L23	25	HB114-U6S12-XXX-LI(1-1/4)	111.75 - 112.00	1.0000	1.0000
L23	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	111.75 - 112.00	1.0000	1.0000
L23	33	FP 5"x0.625"	111.75 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
			112.00		
L23	47	FP 5"x1.25"	111.75 - 112.00	1.0000	1.0000
L23	48	FP 5"x1.25"	111.75 - 112.00	1.0000	1.0000
L23	49	FP 5"x1.25"	111.75 - 112.00	1.0000	1.0000
L23	63	CCI-SFP-045100	111.75 - 112.00	1.0000	1.0000
L23	64	CCI-SFP-045100	111.75 - 112.00	1.0000	1.0000
L23	65	CCI-SFP-045100	111.75 - 112.00	1.0000	1.0000
L23	74	CCI-SFP-040125	111.75 - 112.00	1.0000	1.0000
L23	75	CCI-SFP-040125	111.75 - 112.00	1.0000	1.0000
L23	76	CCI-SFP-040125	111.75 - 112.00	1.0000	1.0000
L23	77	CCI-SFP-040125	111.75 - 112.00	1.0000	1.0000
L24	2	Safety Line 3/8"	106.75 - 111.75	1.0000	1.0000
L24	3	Climbing Pegs	106.75 - 111.75	1.0000	1.0000
L24	20	HB158-21U6S24-xxM_TMO(1-5/8)	106.75 - 111.75	1.0000	1.0000
L24	25	HB114-U6S12-XXX-LI(1-1/4)	106.75 - 111.75	1.0000	1.0000
L24	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	106.75 - 111.75	1.0000	1.0000
L24	33	FP 5"x0.625"	106.75 - 111.75	1.0000	1.0000
L24	47	FP 5"x1.25"	106.75 - 111.75	1.0000	1.0000
L24	48	FP 5"x1.25"	106.75 - 111.75	1.0000	1.0000
L24	49	FP 5"x1.25"	106.75 - 111.75	1.0000	1.0000
L24	63	CCI-SFP-045100	106.75 - 111.75	1.0000	1.0000
L24	64	CCI-SFP-045100	106.75 - 111.75	1.0000	1.0000
L24	65	CCI-SFP-045100	106.75 - 111.75	1.0000	1.0000
L24	74	CCI-SFP-040125	110.00 - 111.75	1.0000	1.0000
L24	75	CCI-SFP-040125	110.00 - 111.75	1.0000	1.0000
L24	76	CCI-SFP-040125	110.00 - 111.75	1.0000	1.0000
L24	77	CCI-SFP-040125	110.00 - 111.75	1.0000	1.0000
L25	2	Safety Line 3/8"	101.75 - 106.75	1.0000	1.0000
L25	3	Climbing Pegs	101.75 - 106.75	1.0000	1.0000
L25	20	HB158-21U6S24-xxM_TMO(1-5/8)	101.75 - 106.75	1.0000	1.0000
L25	25	HB114-U6S12-XXX-LI(1-1/4)	101.75 - 106.75	1.0000	1.0000
L25	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	101.75 - 106.75	1.0000	1.0000
L25	33	FP 5"x0.625"	101.75 - 106.75	1.0000	1.0000
L25	47	FP 5"x1.25"	101.75 - 106.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L25	48	FP 5"x1.25"	101.75 - 106.75	1.0000	1.0000
L25	49	FP 5"x1.25"	101.75 - 106.75	1.0000	1.0000
L25	63	CCI-SFP-045100	101.75 - 106.75	1.0000	1.0000
L25	64	CCI-SFP-045100	101.75 - 106.75	1.0000	1.0000
L25	65	CCI-SFP-045100	101.75 - 106.75	1.0000	1.0000
L26	2	Safety Line 3/8"	98.42 - 101.75	1.0000	1.0000
L26	3	Climbing Pegs	98.42 - 101.75	1.0000	1.0000
L26	20	HB158-21U6S24-xxM_TMO(1-5/8)	98.42 - 101.75	1.0000	1.0000
L26	25	HB114-U6S12-XXX-LI(1-1/4)	98.42 - 101.75	1.0000	1.0000
L26	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	98.42 - 101.75	1.0000	1.0000
L26	33	FP 5"x0.625"	98.42 - 101.75	1.0000	1.0000
L26	47	FP 5"x1.25"	98.42 - 101.75	1.0000	1.0000
L26	48	FP 5"x1.25"	98.42 - 101.75	1.0000	1.0000
L26	49	FP 5"x1.25"	98.42 - 101.75	1.0000	1.0000
L26	63	CCI-SFP-045100	98.42 - 101.75	1.0000	1.0000
L26	64	CCI-SFP-045100	98.42 - 101.75	1.0000	1.0000
L26	65	CCI-SFP-045100	98.42 - 101.75	1.0000	1.0000
L26	78	CCI-SFP-050125	98.42 - 100.42	1.0000	1.0000
L26	80	CCI-SFP-050125	98.42 - 100.58	1.0000	1.0000
L26	81	CCI-SFP-050125	98.42 - 100.42	1.0000	1.0000
L26	83	CCI-SFP-050125	98.42 - 100.58	1.0000	1.0000
L27	2	Safety Line 3/8"	98.17 - 98.42	1.0000	1.0000
L27	3	Climbing Pegs	98.17 - 98.42	1.0000	1.0000
L27	20	HB158-21U6S24-xxM_TMO(1-5/8)	98.17 - 98.42	1.0000	1.0000
L27	25	HB114-U6S12-XXX-LI(1-1/4)	98.17 - 98.42	1.0000	1.0000
L27	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	98.17 - 98.42	1.0000	1.0000
L27	33	FP 5"x0.625"	98.17 - 98.42	1.0000	1.0000
L27	47	FP 5"x1.25"	98.17 - 98.42	1.0000	1.0000
L27	48	FP 5"x1.25"	98.17 - 98.42	1.0000	1.0000
L27	49	FP 5"x1.25"	98.17 - 98.42	1.0000	1.0000
L27	63	CCI-SFP-045100	98.17 - 98.42	1.0000	1.0000
L27	64	CCI-SFP-045100	98.17 - 98.42	1.0000	1.0000
L27	65	CCI-SFP-045100	98.17 - 98.42	1.0000	1.0000
L27	78	CCI-SFP-050125	98.17 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L27	80	CCI-SFP-050125	98.42 98.17 - 98.42	1.0000	1.0000
L27	81	CCI-SFP-050125	98.17 - 98.42	1.0000	1.0000
L27	83	CCI-SFP-050125	98.17 - 98.42	1.0000	1.0000
L28	2	Safety Line 3/8"	93.17 - 98.17	1.0000	1.0000
L28	3	Climbing Pegs	93.17 - 98.17	1.0000	1.0000
L28	20	HB158-21U6S24- xxM_TMO(1-5/8)	93.17 - 98.17	1.0000	1.0000
L28	25	HB114-U6S12-XXX-LI(1- 1/4)	93.17 - 98.17	1.0000	1.0000
L28	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	93.17 - 98.17	1.0000	1.0000
L28	33	FP 5"x0.625"	93.17 - 98.17	1.0000	1.0000
L28	47	FP 5"x1.25"	93.17 - 98.17	1.0000	1.0000
L28	48	FP 5"x1.25"	93.17 - 98.17	1.0000	1.0000
L28	49	FP 5"x1.25"	93.17 - 98.17	1.0000	1.0000
L28	63	CCI-SFP-045100	93.17 - 98.17	1.0000	1.0000
L28	64	CCI-SFP-045100	93.17 - 98.17	1.0000	1.0000
L28	65	CCI-SFP-045100	93.17 - 98.17	1.0000	1.0000
L28	78	CCI-SFP-050125	93.17 - 98.17	1.0000	1.0000
L28	80	CCI-SFP-050125	93.17 - 98.17	1.0000	1.0000
L28	81	CCI-SFP-050125	93.17 - 98.17	1.0000	1.0000
L28	83	CCI-SFP-050125	93.17 - 98.17	1.0000	1.0000
L29	2	Safety Line 3/8"	84.72 - 93.17	1.0000	1.0000
L29	3	Climbing Pegs	84.72 - 93.17	1.0000	1.0000
L29	20	HB158-21U6S24- xxM_TMO(1-5/8)	84.72 - 93.17	1.0000	1.0000
L29	25	HB114-U6S12-XXX-LI(1- 1/4)	84.72 - 93.17	1.0000	1.0000
L29	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	84.72 - 93.17	1.0000	1.0000
L29	33	FP 5"x0.625"	84.72 - 93.17	1.0000	1.0000
L29	44	FP 5"x1.25"	84.72 - 87.92	1.0000	1.0000
L29	45	FP 5"x1.25"	84.72 - 87.92	1.0000	1.0000
L29	46	FP 5"x1.25"	84.72 - 87.92	1.0000	1.0000
L29	47	FP 5"x1.25"	85.83 - 93.17	1.0000	1.0000
L29	48	FP 5"x1.25"	85.83 - 93.17	1.0000	1.0000
L29	49	FP 5"x1.25"	85.83 - 93.17	1.0000	1.0000
L29	63	CCI-SFP-045100	87.92 - 93.17	1.0000	1.0000
L29	64	CCI-SFP-045100	87.92 - 93.17	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L29	65	CCI-SFP-045100	87.92 - 93.17	1.0000	1.0000
L29	78	CCI-SFP-050125	84.72 - 93.17	1.0000	1.0000
L29	80	CCI-SFP-050125	90.50 - 93.17	1.0000	1.0000
L29	81	CCI-SFP-050125	84.72 - 93.17	1.0000	1.0000
L29	83	CCI-SFP-050125	90.50 - 93.17	1.0000	1.0000
L30	2	Safety Line 3/8"	83.72 - 84.72	1.0000	1.0000
L30	3	Climbing Pegs	83.72 - 84.72	1.0000	1.0000
L30	20	HB158-21U6S24- xxM_TMO(1-5/8)	83.72 - 84.72	1.0000	1.0000
L30	25	HB114-U6S12-XXX-LI(1- 1/4)	83.72 - 84.72	1.0000	1.0000
L30	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	83.72 - 84.72	1.0000	1.0000
L30	31	FP 5"x0.625"	83.72 - 84.67	1.0000	1.0000
L30	32	FP 5"x0.625"	83.72 - 84.67	1.0000	1.0000
L30	33	FP 5"x0.625"	84.67 - 84.72	1.0000	1.0000
L30	44	FP 5"x1.25"	83.72 - 84.72	1.0000	1.0000
L30	45	FP 5"x1.25"	83.72 - 84.72	1.0000	1.0000
L30	46	FP 5"x1.25"	83.72 - 84.72	1.0000	1.0000
L30	54	CCI-SFP-045100	83.72 - 84.33	1.0000	1.0000
L30	55	CCI-SFP-045100	83.72 - 84.33	1.0000	1.0000
L30	56	CCI-SFP-045100	83.72 - 84.33	1.0000	1.0000
L30	78	CCI-SFP-050125	83.72 - 84.72	1.0000	1.0000
L30	81	CCI-SFP-050125	83.72 - 84.72	1.0000	1.0000
L31	2	Safety Line 3/8"	82.83 - 83.72	1.0000	1.0000
L31	3	Climbing Pegs	82.83 - 83.72	1.0000	1.0000
L31	20	HB158-21U6S24- xxM_TMO(1-5/8)	82.83 - 83.72	1.0000	1.0000
L31	25	HB114-U6S12-XXX-LI(1- 1/4)	82.83 - 83.72	1.0000	1.0000
L31	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	82.83 - 83.72	1.0000	1.0000
L31	31	FP 5"x0.625"	82.83 - 83.72	1.0000	1.0000
L31	32	FP 5"x0.625"	82.83 - 83.72	1.0000	1.0000
L31	44	FP 5"x1.25"	82.83 - 83.72	1.0000	1.0000
L31	45	FP 5"x1.25"	82.83 - 83.72	1.0000	1.0000
L31	46	FP 5"x1.25"	82.83 - 83.72	1.0000	1.0000
L31	54	CCI-SFP-045100	82.83 - 83.72	1.0000	1.0000
L31	55	CCI-SFP-045100	82.83 - 83.72	1.0000	1.0000
L31	56	CCI-SFP-045100	82.83 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
			83.72		
L31	78	CCI-SFP-050125	82.83 - 83.72	1.0000	1.0000
L31	81	CCI-SFP-050125	82.83 - 83.72	1.0000	1.0000
L32	2	Safety Line 3/8"	82.58 - 82.83	1.0000	1.0000
L32	3	Climbing Pegs	82.58 - 82.83	1.0000	1.0000
L32	20	HB158-21U6S24-xxM_TMO(1-5/8)	82.58 - 82.83	1.0000	1.0000
L32	25	HB114-U6S12-XXX-LI(1-1/4)	82.58 - 82.83	1.0000	1.0000
L32	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	82.58 - 82.83	1.0000	1.0000
L32	31	FP 5"x0.625"	82.58 - 82.83	1.0000	1.0000
L32	32	FP 5"x0.625"	82.58 - 82.83	1.0000	1.0000
L32	44	FP 5"x1.25"	82.58 - 82.83	1.0000	1.0000
L32	45	FP 5"x1.25"	82.58 - 82.83	1.0000	1.0000
L32	46	FP 5"x1.25"	82.58 - 82.83	1.0000	1.0000
L32	54	CCI-SFP-045100	82.58 - 82.83	1.0000	1.0000
L32	55	CCI-SFP-045100	82.58 - 82.83	1.0000	1.0000
L32	56	CCI-SFP-045100	82.58 - 82.83	1.0000	1.0000
L32	78	CCI-SFP-050125	82.58 - 82.83	1.0000	1.0000
L32	81	CCI-SFP-050125	82.58 - 82.83	1.0000	1.0000
L33	2	Safety Line 3/8"	77.58 - 82.58	1.0000	1.0000
L33	3	Climbing Pegs	77.58 - 82.58	1.0000	1.0000
L33	20	HB158-21U6S24-xxM_TMO(1-5/8)	77.58 - 82.58	1.0000	1.0000
L33	25	HB114-U6S12-XXX-LI(1-1/4)	77.58 - 82.58	1.0000	1.0000
L33	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	77.58 - 82.58	1.0000	1.0000
L33	31	FP 5"x0.625"	77.58 - 82.58	1.0000	1.0000
L33	32	FP 5"x0.625"	77.58 - 82.58	1.0000	1.0000
L33	44	FP 5"x1.25"	77.58 - 82.58	1.0000	1.0000
L33	45	FP 5"x1.25"	77.58 - 82.58	1.0000	1.0000
L33	46	FP 5"x1.25"	77.58 - 82.58	1.0000	1.0000
L33	54	CCI-SFP-045100	77.58 - 82.58	1.0000	1.0000
L33	55	CCI-SFP-045100	77.58 - 82.58	1.0000	1.0000
L33	56	CCI-SFP-045100	77.58 - 82.58	1.0000	1.0000
L33	78	CCI-SFP-050125	77.58 - 82.58	1.0000	1.0000
L33	79	CCI-SFP-050125	77.58 - 80.50	1.0000	1.0000
L33	81	CCI-SFP-050125	77.58 - 82.58	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L33	82	CCI-SFP-050125	77.58 - 80.50	1.0000	1.0000
L34	2	Safety Line 3/8"	73.42 - 77.58	1.0000	1.0000
L34	3	Climbing Pegs	73.42 - 77.58	1.0000	1.0000
L34	20	HB158-21U6S24- xxM_TMO(1-5/8)	73.42 - 77.58	1.0000	1.0000
L34	25	HB114-U6S12-XXX-LI(1- 1/4)	73.42 - 77.58	1.0000	1.0000
L34	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	73.42 - 77.58	1.0000	1.0000
L34	31	FP 5"x0.625"	73.42 - 77.58	1.0000	1.0000
L34	32	FP 5"x0.625"	73.42 - 77.58	1.0000	1.0000
L34	41	FP 5"x1.25"	73.42 - 75.42	1.0000	1.0000
L34	42	FP 5"x1.25"	73.42 - 75.42	1.0000	1.0000
L34	43	FP 5"x1.25"	73.42 - 75.42	1.0000	1.0000
L34	44	FP 5"x1.25"	73.42 - 77.58	1.0000	1.0000
L34	45	FP 5"x1.25"	73.42 - 77.58	1.0000	1.0000
L34	46	FP 5"x1.25"	73.42 - 77.58	1.0000	1.0000
L34	54	CCI-SFP-045100	73.42 - 77.58	1.0000	1.0000
L34	55	CCI-SFP-045100	73.42 - 77.58	1.0000	1.0000
L34	56	CCI-SFP-045100	73.42 - 77.58	1.0000	1.0000
L34	78	CCI-SFP-050125	73.42 - 77.58	1.0000	1.0000
L34	79	CCI-SFP-050125	73.42 - 77.58	1.0000	1.0000
L34	81	CCI-SFP-050125	73.42 - 77.58	1.0000	1.0000
L34	82	CCI-SFP-050125	73.42 - 77.58	1.0000	1.0000
L35	2	Safety Line 3/8"	73.17 - 73.42	1.0000	1.0000
L35	3	Climbing Pegs	73.17 - 73.42	1.0000	1.0000
L35	20	HB158-21U6S24- xxM_TMO(1-5/8)	73.17 - 73.42	1.0000	1.0000
L35	25	HB114-U6S12-XXX-LI(1- 1/4)	73.17 - 73.42	1.0000	1.0000
L35	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	73.17 - 73.42	1.0000	1.0000
L35	31	FP 5"x0.625"	73.17 - 73.42	1.0000	1.0000
L35	32	FP 5"x0.625"	73.17 - 73.42	1.0000	1.0000
L35	41	FP 5"x1.25"	73.17 - 73.42	1.0000	1.0000
L35	42	FP 5"x1.25"	73.17 - 73.42	1.0000	1.0000
L35	43	FP 5"x1.25"	73.17 - 73.42	1.0000	1.0000
L35	44	FP 5"x1.25"	73.17 - 73.42	1.0000	1.0000
L35	45	FP 5"x1.25"	73.17 - 73.42	1.0000	1.0000
L35	46	FP 5"x1.25"	73.17 -	1.0000	1.0000



Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L35	54	CCI-SFP-045100	73.42 73.17 - 73.42	1.0000	1.0000
L35	55	CCI-SFP-045100	73.17 - 73.42	1.0000	1.0000
L35	56	CCI-SFP-045100	73.17 - 73.42	1.0000	1.0000
L35	78	CCI-SFP-050125	73.17 - 73.42	1.0000	1.0000
L35	79	CCI-SFP-050125	73.17 - 73.42	1.0000	1.0000
L35	81	CCI-SFP-050125	73.17 - 73.42	1.0000	1.0000
L35	82	CCI-SFP-050125	73.17 - 73.42	1.0000	1.0000
L36	2	Safety Line 3/8"	72.42 - 73.17	1.0000	1.0000
L36	3	Climbing Pegs	72.42 - 73.17	1.0000	1.0000
L36	20	HB158-21U6S24- xxM_TMO(1-5/8)	72.42 - 73.17	1.0000	1.0000
L36	25	HB114-U6S12-XXX-LI(1- 1/4)	72.42 - 73.17	1.0000	1.0000
L36	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	72.42 - 73.17	1.0000	1.0000
L36	31	FP 5"x0.625"	72.42 - 73.17	1.0000	1.0000
L36	32	FP 5"x0.625"	72.42 - 73.17	1.0000	1.0000
L36	41	FP 5"x1.25"	72.42 - 73.17	1.0000	1.0000
L36	42	FP 5"x1.25"	72.42 - 73.17	1.0000	1.0000
L36	43	FP 5"x1.25"	72.42 - 73.17	1.0000	1.0000
L36	44	FP 5"x1.25"	72.92 - 73.17	1.0000	1.0000
L36	45	FP 5"x1.25"	72.92 - 73.17	1.0000	1.0000
L36	46	FP 5"x1.25"	72.92 - 73.17	1.0000	1.0000
L36	54	CCI-SFP-045100	72.42 - 73.17	1.0000	1.0000
L36	55	CCI-SFP-045100	72.42 - 73.17	1.0000	1.0000
L36	56	CCI-SFP-045100	72.42 - 73.17	1.0000	1.0000
L36	60	CCI-SFP-045100	72.42 - 72.75	1.0000	1.0000
L36	61	CCI-SFP-045100	72.42 - 72.75	1.0000	1.0000
L36	62	CCI-SFP-045100	72.42 - 72.75	1.0000	1.0000
L36	78	CCI-SFP-050125	72.42 - 73.17	1.0000	1.0000
L36	79	CCI-SFP-050125	72.42 - 73.17	1.0000	1.0000
L36	81	CCI-SFP-050125	72.42 - 73.17	1.0000	1.0000
L36	82	CCI-SFP-050125	72.42 - 73.17	1.0000	1.0000
L37	2	Safety Line 3/8"	72.17 - 72.42	1.0000	1.0000
L37	3	Climbing Pegs	72.17 - 72.42	1.0000	1.0000
L37	20	HB158-21U6S24- xxM_TMO(1-5/8)	72.17 - 72.42	1.0000	1.0000
L37	25	HB114-U6S12-XXX-LI(1-	72.17 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L37	28	1/4) MLE HYBRID	72.42 72.17 -	1.0000	1.0000
		3POWER/6FIBER RL 2(1-	72.42		
L37	31	1/4) FP 5"x0.625"	72.17 - 72.42	1.0000	1.0000
L37	32	FP 5"x0.625"	72.17 - 72.42	1.0000	1.0000
L37	41	FP 5"x1.25"	72.17 - 72.42	1.0000	1.0000
L37	42	FP 5"x1.25"	72.17 - 72.42	1.0000	1.0000
L37	43	FP 5"x1.25"	72.17 - 72.42	1.0000	1.0000
L37	54	CCI-SFP-045100	72.17 - 72.42	1.0000	1.0000
L37	55	CCI-SFP-045100	72.17 - 72.42	1.0000	1.0000
L37	56	CCI-SFP-045100	72.17 - 72.42	1.0000	1.0000
L37	60	CCI-SFP-045100	72.17 - 72.42	1.0000	1.0000
L37	61	CCI-SFP-045100	72.17 - 72.42	1.0000	1.0000
L37	62	CCI-SFP-045100	72.17 - 72.42	1.0000	1.0000
L37	78	CCI-SFP-050125	72.17 - 72.42	1.0000	1.0000
L37	79	CCI-SFP-050125	72.17 - 72.42	1.0000	1.0000
L37	81	CCI-SFP-050125	72.17 - 72.42	1.0000	1.0000
L37	82	CCI-SFP-050125	72.17 - 72.42	1.0000	1.0000
L38	2	Safety Line 3/8"	68.08 - 72.17	1.0000	1.0000
L38	3	Climbing Pegs	68.08 - 72.17	1.0000	1.0000
L38	20	HB158-21U6S24- xxM_TMO(1-5/8)	68.08 - 72.17	1.0000	1.0000
L38	25	HB114-U6S12-XXX-LI(1- 1/4)	68.08 - 72.17	1.0000	1.0000
L38	28	MLE HYBRID	68.08 - 72.17	1.0000	1.0000
		3POWER/6FIBER RL 2(1-	72.17		
L38	31	1/4) FP 5"x0.625"	68.08 - 72.17	1.0000	1.0000
L38	32	FP 5"x0.625"	68.08 - 72.17	1.0000	1.0000
L38	41	FP 5"x1.25"	68.08 - 72.17	1.0000	1.0000
L38	42	FP 5"x1.25"	68.08 - 72.17	1.0000	1.0000
L38	43	FP 5"x1.25"	68.08 - 72.17	1.0000	1.0000
L38	54	CCI-SFP-045100	68.08 - 72.17	1.0000	1.0000
L38	55	CCI-SFP-045100	68.08 - 72.17	1.0000	1.0000
L38	56	CCI-SFP-045100	68.08 - 72.17	1.0000	1.0000
L38	60	CCI-SFP-045100	68.08 - 72.17	1.0000	1.0000
L38	61	CCI-SFP-045100	68.08 - 72.17	1.0000	1.0000
L38	62	CCI-SFP-045100	68.08 - 72.17	1.0000	1.0000
L38	78	CCI-SFP-050125	70.42 - 72.17	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L38	79	CCI-SFP-050125	70.42 - 72.17	1.0000	1.0000
L38	81	CCI-SFP-050125	70.42 - 72.17	1.0000	1.0000
L38	82	CCI-SFP-050125	70.42 - 72.17	1.0000	1.0000
L38	84	CCI-SFP-050125	68.08 - 70.08	1.0000	1.0000
L38	85	CCI-SFP-050125	68.08 - 70.08	1.0000	1.0000
L39	2	Safety Line 3/8"	67.83 - 68.08	1.0000	1.0000
L39	3	Climbing Pegs	67.83 - 68.08	1.0000	1.0000
L39	20	HB158-21U6S24- xxM_TMO(1-5/8)	67.83 - 68.08	1.0000	1.0000
L39	25	HB114-U6S12-XXX-LI(1- 1/4)	67.83 - 68.08	1.0000	1.0000
L39	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	67.83 - 68.08	1.0000	1.0000
L39	31	FP 5"x0.625"	67.83 - 68.08	1.0000	1.0000
L39	32	FP 5"x0.625"	67.83 - 68.08	1.0000	1.0000
L39	41	FP 5"x1.25"	67.83 - 68.08	1.0000	1.0000
L39	42	FP 5"x1.25"	67.83 - 68.08	1.0000	1.0000
L39	43	FP 5"x1.25"	67.83 - 68.08	1.0000	1.0000
L39	54	CCI-SFP-045100	67.83 - 68.08	1.0000	1.0000
L39	55	CCI-SFP-045100	67.83 - 68.08	1.0000	1.0000
L39	56	CCI-SFP-045100	67.83 - 68.08	1.0000	1.0000
L39	60	CCI-SFP-045100	67.83 - 68.08	1.0000	1.0000
L39	61	CCI-SFP-045100	67.83 - 68.08	1.0000	1.0000
L39	62	CCI-SFP-045100	67.83 - 68.08	1.0000	1.0000
L39	84	CCI-SFP-050125	67.83 - 68.08	1.0000	1.0000
L39	85	CCI-SFP-050125	67.83 - 68.08	1.0000	1.0000
L40	2	Safety Line 3/8"	65.58 - 67.83	1.0000	1.0000
L40	3	Climbing Pegs	65.58 - 67.83	1.0000	1.0000
L40	20	HB158-21U6S24- xxM_TMO(1-5/8)	65.58 - 67.83	1.0000	1.0000
L40	25	HB114-U6S12-XXX-LI(1- 1/4)	65.58 - 67.83	1.0000	1.0000
L40	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	65.58 - 67.83	1.0000	1.0000
L40	31	FP 5"x0.625"	65.58 - 67.83	1.0000	1.0000
L40	32	FP 5"x0.625"	65.58 - 67.83	1.0000	1.0000
L40	41	FP 5"x1.25"	65.58 - 67.83	1.0000	1.0000
L40	42	FP 5"x1.25"	65.58 - 67.83	1.0000	1.0000
L40	43	FP 5"x1.25"	65.58 - 67.83	1.0000	1.0000
L40	54	CCI-SFP-045100	65.58 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L40	55	CCI-SFP-045100	67.83 65.58 -	1.0000	1.0000
L40	56	CCI-SFP-045100	67.83 65.58 -	1.0000	1.0000
L40	60	CCI-SFP-045100	67.83 65.58 -	1.0000	1.0000
L40	61	CCI-SFP-045100	67.83 65.58 -	1.0000	1.0000
L40	62	CCI-SFP-045100	67.83 65.58 -	1.0000	1.0000
L40	84	CCI-SFP-050125	67.83 65.58 -	1.0000	1.0000
L40	85	CCI-SFP-050125	67.83 65.58 -	1.0000	1.0000
L40	86	CCI-SFP-050125	67.83 65.58 -	1.0000	1.0000
L40	87	CCI-SFP-050125	67.58 65.58 -	1.0000	1.0000
L41	2	Safety Line 3/8"	67.58 65.33 -	1.0000	1.0000
L41	3	Climbing Pegs	65.58 65.33 -	1.0000	1.0000
L41	20	HB158-21U6S24- xxM_TMO(1-5/8)	65.58 65.33 -	1.0000	1.0000
L41	25	HB114-U6S12-XXX-LI(1- 1/4)	65.58 65.33 -	1.0000	1.0000
L41	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	65.58 65.33 -	1.0000	1.0000
L41	31	FP 5"x0.625"	65.58 65.33 -	1.0000	1.0000
L41	32	FP 5"x0.625"	65.58 65.33 -	1.0000	1.0000
L41	41	FP 5"x1.25"	65.58 65.33 -	1.0000	1.0000
L41	42	FP 5"x1.25"	65.58 65.33 -	1.0000	1.0000
L41	43	FP 5"x1.25"	65.58 65.33 -	1.0000	1.0000
L41	54	CCI-SFP-045100	65.58 65.33 -	1.0000	1.0000
L41	55	CCI-SFP-045100	65.58 65.33 -	1.0000	1.0000
L41	56	CCI-SFP-045100	65.58 65.33 -	1.0000	1.0000
L41	60	CCI-SFP-045100	65.58 65.33 -	1.0000	1.0000
L41	61	CCI-SFP-045100	65.58 65.33 -	1.0000	1.0000
L41	62	CCI-SFP-045100	65.58 65.33 -	1.0000	1.0000
L41	84	CCI-SFP-050125	65.58 65.33 -	1.0000	1.0000
L41	85	CCI-SFP-050125	65.58 65.33 -	1.0000	1.0000
L41	86	CCI-SFP-050125	65.58 65.33 -	1.0000	1.0000
L41	87	CCI-SFP-050125	65.58 65.33 -	1.0000	1.0000
L42	2	Safety Line 3/8"	65.58 64.25 -	1.0000	1.0000
L42	3	Climbing Pegs	65.33 64.25 -	1.0000	1.0000
L42	20	HB158-21U6S24- xxM_TMO(1-5/8)	65.33 64.25 -	1.0000	1.0000
L42	25	HB114-U6S12-XXX-LI(1- 1/4)	65.33 64.25 -	1.0000	1.0000
L42	28	MLE HYBRID	65.33 64.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
		3POWER/6FIBER RL 2(1-1/4)	65.33		
L42	31	FP 5"x0.625"	64.25 - 65.33	1.0000	1.0000
L42	32	FP 5"x0.625"	64.25 - 65.33	1.0000	1.0000
L42	41	FP 5"x1.25"	64.25 - 65.33	1.0000	1.0000
L42	42	FP 5"x1.25"	64.25 - 65.33	1.0000	1.0000
L42	43	FP 5"x1.25"	64.25 - 65.33	1.0000	1.0000
L42	54	CCI-SFP-045100	64.25 - 65.33	1.0000	1.0000
L42	55	CCI-SFP-045100	64.25 - 65.33	1.0000	1.0000
L42	56	CCI-SFP-045100	64.25 - 65.33	1.0000	1.0000
L42	60	CCI-SFP-045100	64.25 - 65.33	1.0000	1.0000
L42	61	CCI-SFP-045100	64.25 - 65.33	1.0000	1.0000
L42	62	CCI-SFP-045100	64.25 - 65.33	1.0000	1.0000
L42	84	CCI-SFP-050125	64.25 - 65.33	1.0000	1.0000
L42	85	CCI-SFP-050125	64.25 - 65.33	1.0000	1.0000
L42	86	CCI-SFP-050125	64.25 - 65.33	1.0000	1.0000
L42	87	CCI-SFP-050125	64.25 - 65.33	1.0000	1.0000
L43	2	Safety Line 3/8"	64.00 - 64.25	1.0000	1.0000
L43	3	Climbing Pegs	64.00 - 64.25	1.0000	1.0000
L43	20	HB158-21U6S24-xxM_TMO(1-5/8)	64.00 - 64.25	1.0000	1.0000
L43	25	HB114-U6S12-XXX-LI(1-1/4)	64.00 - 64.25	1.0000	1.0000
L43	28	MLE HYBRID	64.00 - 64.25	1.0000	1.0000
		3POWER/6FIBER RL 2(1-1/4)	64.25		
L43	31	FP 5"x0.625"	64.00 - 64.25	1.0000	1.0000
L43	32	FP 5"x0.625"	64.00 - 64.25	1.0000	1.0000
L43	41	FP 5"x1.25"	64.00 - 64.25	1.0000	1.0000
L43	42	FP 5"x1.25"	64.00 - 64.25	1.0000	1.0000
L43	43	FP 5"x1.25"	64.00 - 64.25	1.0000	1.0000
L43	54	CCI-SFP-045100	64.00 - 64.25	1.0000	1.0000
L43	55	CCI-SFP-045100	64.00 - 64.25	1.0000	1.0000
L43	56	CCI-SFP-045100	64.00 - 64.25	1.0000	1.0000
L43	60	CCI-SFP-045100	64.00 - 64.25	1.0000	1.0000
L43	61	CCI-SFP-045100	64.00 - 64.25	1.0000	1.0000
L43	62	CCI-SFP-045100	64.00 - 64.25	1.0000	1.0000
L43	84	CCI-SFP-050125	64.00 - 64.25	1.0000	1.0000
L43	85	CCI-SFP-050125	64.00 - 64.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L43	86	CCI-SFP-050125	64.00 - 64.25	1.0000	1.0000
L43	87	CCI-SFP-050125	64.00 - 64.25	1.0000	1.0000
L44	2	Safety Line 3/8"	59.00 - 64.00	1.0000	1.0000
L44	3	Climbing Pegs	59.00 - 64.00	1.0000	1.0000
L44	20	HB158-21U6S24-xxM_TMO(1-5/8)	59.00 - 64.00	1.0000	1.0000
L44	25	HB114-U6S12-XXX-LI(1-1/4)	59.00 - 64.00	1.0000	1.0000
L44	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	59.00 - 64.00	1.0000	1.0000
L44	31	FP 5"x0.625"	59.00 - 64.00	1.0000	1.0000
L44	32	FP 5"x0.625"	59.00 - 64.00	1.0000	1.0000
L44	41	FP 5"x1.25"	59.00 - 64.00	1.0000	1.0000
L44	42	FP 5"x1.25"	59.00 - 64.00	1.0000	1.0000
L44	43	FP 5"x1.25"	59.00 - 64.00	1.0000	1.0000
L44	54	CCI-SFP-045100	59.00 - 64.00	1.0000	1.0000
L44	55	CCI-SFP-045100	59.00 - 64.00	1.0000	1.0000
L44	56	CCI-SFP-045100	59.00 - 64.00	1.0000	1.0000
L44	60	CCI-SFP-045100	62.75 - 64.00	1.0000	1.0000
L44	61	CCI-SFP-045100	62.75 - 64.00	1.0000	1.0000
L44	62	CCI-SFP-045100	62.75 - 64.00	1.0000	1.0000
L44	84	CCI-SFP-050125	59.00 - 64.00	1.0000	1.0000
L44	85	CCI-SFP-050125	59.00 - 64.00	1.0000	1.0000
L44	86	CCI-SFP-050125	59.00 - 64.00	1.0000	1.0000
L44	87	CCI-SFP-050125	59.00 - 64.00	1.0000	1.0000
L45	2	Safety Line 3/8"	54.00 - 59.00	1.0000	1.0000
L45	3	Climbing Pegs	54.00 - 59.00	1.0000	1.0000
L45	20	HB158-21U6S24-xxM_TMO(1-5/8)	54.00 - 59.00	1.0000	1.0000
L45	25	HB114-U6S12-XXX-LI(1-1/4)	54.00 - 59.00	1.0000	1.0000
L45	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	54.00 - 59.00	1.0000	1.0000
L45	31	FP 5"x0.625"	54.00 - 59.00	1.0000	1.0000
L45	32	FP 5"x0.625"	54.00 - 59.00	1.0000	1.0000
L45	41	FP 5"x1.25"	54.00 - 59.00	1.0000	1.0000
L45	42	FP 5"x1.25"	54.00 - 59.00	1.0000	1.0000
L45	43	FP 5"x1.25"	54.00 - 59.00	1.0000	1.0000
L45	54	CCI-SFP-045100	54.00 - 59.00	1.0000	1.0000
L45	55	CCI-SFP-045100	54.00 - 59.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L45	56	CCI-SFP-045100	59.00 54.00 -	1.0000	1.0000
L45	69	CCI-SFP-050125	59.00 54.00 -	1.0000	1.0000
L45	70	CCI-SFP-050125	55.50 54.00 -	1.0000	1.0000
L45	84	CCI-SFP-050125	55.50 54.00 -	1.0000	1.0000
L45	85	CCI-SFP-050125	59.00 54.00 -	1.0000	1.0000
L45	86	CCI-SFP-050125	59.00 54.00 -	1.0000	1.0000
L45	87	CCI-SFP-050125	59.00 54.00 -	1.0000	1.0000
L46	2	Safety Line 3/8"	43.83 - 54.00	1.0000	1.0000
L46	3	Climbing Pegs	43.83 - 54.00	1.0000	1.0000
L46	20	HB158-21U6S24- xxM_TMO(1-5/8)	43.83 - 54.00	1.0000	1.0000
L46	25	HB114-U6S12-XXX-LI(1- 1/4)	43.83 - 54.00	1.0000	1.0000
L46	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	43.83 - 54.00	1.0000	1.0000
L46	31	FP 5"x0.625"	43.83 - 54.00	1.0000	1.0000
L46	32	FP 5"x0.625"	43.83 - 54.00	1.0000	1.0000
L46	38	FP 6"x1.25"	43.83 - 47.92	1.0000	1.0000
L46	39	FP 6"x1.25"	43.83 - 47.92	1.0000	1.0000
L46	40	FP 6"x1.25"	43.83 - 47.92	1.0000	1.0000
L46	41	FP 5"x1.25"	45.38 - 54.00	1.0000	1.0000
L46	42	FP 5"x1.25"	45.38 - 54.00	1.0000	1.0000
L46	43	FP 5"x1.25"	45.38 - 54.00	1.0000	1.0000
L46	54	CCI-SFP-045100	43.83 - 54.00	1.0000	1.0000
L46	55	CCI-SFP-045100	43.83 - 54.00	1.0000	1.0000
L46	56	CCI-SFP-045100	43.83 - 54.00	1.0000	1.0000
L46	69	CCI-SFP-050125	45.50 - 54.00	1.0000	1.0000
L46	70	CCI-SFP-050125	45.50 - 54.00	1.0000	1.0000
L46	84	CCI-SFP-050125	43.83 - 54.00	1.0000	1.0000
L46	85	CCI-SFP-050125	43.83 - 54.00	1.0000	1.0000
L46	86	CCI-SFP-050125	43.83 - 54.00	1.0000	1.0000
L46	87	CCI-SFP-050125	43.83 - 54.00	1.0000	1.0000
L47	2	Safety Line 3/8"	42.83 - 43.83	1.0000	1.0000
L47	3	Climbing Pegs	42.83 - 43.83	1.0000	1.0000
L47	20	HB158-21U6S24- xxM_TMO(1-5/8)	42.83 - 43.83	1.0000	1.0000
L47	25	HB114-U6S12-XXX-LI(1- 1/4)	42.83 - 43.83	1.0000	1.0000
L47	28	MLE HYBRID	42.83 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
		3POWER/6FIBER RL 2(1-1/4)	43.83		
L47	31	FP 5"x0.625"	42.83 - 43.83	1.0000	1.0000
L47	32	FP 5"x0.625"	42.83 - 43.83	1.0000	1.0000
L47	38	FP 6"x1.25"	42.83 - 43.83	1.0000	1.0000
L47	39	FP 6"x1.25"	42.83 - 43.83	1.0000	1.0000
L47	40	FP 6"x1.25"	42.83 - 43.83	1.0000	1.0000
L47	51	CCI-SFP-060100	42.83 - 43.75	1.0000	1.0000
L47	52	CCI-SFP-060100	42.83 - 43.75	1.0000	1.0000
L47	53	CCI-SFP-060100	42.83 - 43.75	1.0000	1.0000
L47	54	CCI-SFP-045100	43.75 - 43.83	1.0000	1.0000
L47	55	CCI-SFP-045100	43.75 - 43.83	1.0000	1.0000
L47	56	CCI-SFP-045100	43.75 - 43.83	1.0000	1.0000
L47	84	CCI-SFP-050125	42.83 - 43.83	1.0000	1.0000
L47	85	CCI-SFP-050125	42.83 - 43.83	1.0000	1.0000
L47	86	CCI-SFP-050125	42.83 - 43.83	1.0000	1.0000
L47	87	CCI-SFP-050125	42.83 - 43.83	1.0000	1.0000
L48	2	Safety Line 3/8"	41.75 - 42.83	1.0000	1.0000
L48	3	Climbing Pegs	41.75 - 42.83	1.0000	1.0000
L48	20	HB158-21U6S24-xxM_TMO(1-5/8)	41.75 - 42.83	1.0000	1.0000
L48	25	HB114-U6S12-XXX-LI(1-1/4)	41.75 - 42.83	1.0000	1.0000
L48	28	MLE HYBRID	41.75 - 42.83	1.0000	1.0000
		3POWER/6FIBER RL 2(1-1/4)	42.83		
L48	31	FP 5"x0.625"	41.75 - 42.83	1.0000	1.0000
L48	32	FP 5"x0.625"	41.75 - 42.83	1.0000	1.0000
L48	38	FP 6"x1.25"	41.75 - 42.83	1.0000	1.0000
L48	39	FP 6"x1.25"	41.75 - 42.83	1.0000	1.0000
L48	40	FP 6"x1.25"	41.75 - 42.83	1.0000	1.0000
L48	51	CCI-SFP-060100	41.75 - 42.83	1.0000	1.0000
L48	52	CCI-SFP-060100	41.75 - 42.83	1.0000	1.0000
L48	53	CCI-SFP-060100	41.75 - 42.83	1.0000	1.0000
L48	84	CCI-SFP-050125	41.75 - 42.83	1.0000	1.0000
L48	85	CCI-SFP-050125	41.75 - 42.83	1.0000	1.0000
L48	86	CCI-SFP-050125	41.75 - 42.83	1.0000	1.0000
L48	87	CCI-SFP-050125	41.75 - 42.83	1.0000	1.0000
L49	2	Safety Line 3/8"	41.50 - 41.75	1.0000	1.0000



Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L49	3	Climbing Pegs	41.50 - 41.75	1.0000	1.0000
L49	20	HB158-21U6S24- xxM_TMO(1-5/8)	41.50 - 41.75	1.0000	1.0000
L49	25	HB114-U6S12-XXX-LI(1- 1/4)	41.50 - 41.75	1.0000	1.0000
L49	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	41.50 - 41.75	1.0000	1.0000
L49	31	FP 5"x0.625"	41.50 - 41.75	1.0000	1.0000
L49	32	FP 5"x0.625"	41.50 - 41.75	1.0000	1.0000
L49	38	FP 6"x1.25"	41.50 - 41.75	1.0000	1.0000
L49	39	FP 6"x1.25"	41.50 - 41.75	1.0000	1.0000
L49	40	FP 6"x1.25"	41.50 - 41.75	1.0000	1.0000
L49	51	CCI-SFP-060100	41.50 - 41.75	1.0000	1.0000
L49	52	CCI-SFP-060100	41.50 - 41.75	1.0000	1.0000
L49	53	CCI-SFP-060100	41.50 - 41.75	1.0000	1.0000
L49	84	CCI-SFP-050125	41.50 - 41.75	1.0000	1.0000
L49	85	CCI-SFP-050125	41.50 - 41.75	1.0000	1.0000
L49	86	CCI-SFP-050125	41.50 - 41.75	1.0000	1.0000
L49	87	CCI-SFP-050125	41.50 - 41.75	1.0000	1.0000
L50	2	Safety Line 3/8"	36.50 - 41.50	1.0000	1.0000
L50	3	Climbing Pegs	36.50 - 41.50	1.0000	1.0000
L50	20	HB158-21U6S24- xxM_TMO(1-5/8)	36.50 - 41.50	1.0000	1.0000
L50	25	HB114-U6S12-XXX-LI(1- 1/4)	36.50 - 41.50	1.0000	1.0000
L50	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	36.50 - 41.50	1.0000	1.0000
L50	31	FP 5"x0.625"	36.50 - 41.50	1.0000	1.0000
L50	32	FP 5"x0.625"	36.50 - 41.50	1.0000	1.0000
L50	38	FP 6"x1.25"	36.50 - 41.50	1.0000	1.0000
L50	39	FP 6"x1.25"	36.50 - 41.50	1.0000	1.0000
L50	40	FP 6"x1.25"	36.50 - 41.50	1.0000	1.0000
L50	51	CCI-SFP-060100	36.50 - 41.50	1.0000	1.0000
L50	52	CCI-SFP-060100	36.50 - 41.50	1.0000	1.0000
L50	53	CCI-SFP-060100	36.50 - 41.50	1.0000	1.0000
L50	84	CCI-SFP-050125	36.50 - 41.50	1.0000	1.0000
L50	85	CCI-SFP-050125	36.50 - 41.50	1.0000	1.0000
L50	86	CCI-SFP-050125	36.50 - 41.50	1.0000	1.0000
L50	87	CCI-SFP-050125	36.50 - 41.50	1.0000	1.0000
L51	2	Safety Line 3/8"	32.75 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L51	3	Climbing Pegs	36.50 32.75 -	1.0000	1.0000
L51	20	HB158-21U6S24-xxM_TMO(1-5/8)	36.50 32.75 -	1.0000	1.0000
L51	25	HB114-U6S12-XXX-LI(1-1/4)	36.50 32.75 -	1.0000	1.0000
L51	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	36.50 32.75 -	1.0000	1.0000
L51	31	FP 5"x0.625"	32.75 - 36.50	1.0000	1.0000
L51	32	FP 5"x0.625"	32.75 - 36.50	1.0000	1.0000
L51	38	FP 6"x1.25"	32.75 - 36.50	1.0000	1.0000
L51	39	FP 6"x1.25"	32.75 - 36.50	1.0000	1.0000
L51	40	FP 6"x1.25"	32.75 - 36.50	1.0000	1.0000
L51	51	CCI-SFP-060100	32.75 - 36.50	1.0000	1.0000
L51	52	CCI-SFP-060100	32.75 - 36.50	1.0000	1.0000
L51	53	CCI-SFP-060100	32.75 - 36.50	1.0000	1.0000
L51	71	CCI-SFP-065125	32.75 - 35.50	1.0000	1.0000
L51	72	CCI-SFP-065125	32.75 - 35.50	1.0000	1.0000
L51	84	CCI-SFP-050125	35.08 - 36.50	1.0000	1.0000
L51	85	CCI-SFP-050125	35.08 - 36.50	1.0000	1.0000
L51	86	CCI-SFP-050125	35.58 - 36.50	1.0000	1.0000
L51	87	CCI-SFP-050125	35.58 - 36.50	1.0000	1.0000
L51	88	CCI-SFP-065125	32.75 - 35.00	1.0000	1.0000
L51	89	CCI-SFP-065125	32.75 - 35.00	1.0000	1.0000
L52	2	Safety Line 3/8"	32.50 - 32.75	1.0000	1.0000
L52	3	Climbing Pegs	32.50 - 32.75	1.0000	1.0000
L52	20	HB158-21U6S24-xxM_TMO(1-5/8)	32.50 - 32.75	1.0000	1.0000
L52	25	HB114-U6S12-XXX-LI(1-1/4)	32.50 - 32.75	1.0000	1.0000
L52	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	32.50 - 32.75	1.0000	1.0000
L52	31	FP 5"x0.625"	32.50 - 32.75	1.0000	1.0000
L52	32	FP 5"x0.625"	32.50 - 32.75	1.0000	1.0000
L52	38	FP 6"x1.25"	32.50 - 32.75	1.0000	1.0000
L52	39	FP 6"x1.25"	32.50 - 32.75	1.0000	1.0000
L52	40	FP 6"x1.25"	32.50 - 32.75	1.0000	1.0000
L52	51	CCI-SFP-060100	32.50 - 32.75	1.0000	1.0000
L52	52	CCI-SFP-060100	32.50 - 32.75	1.0000	1.0000
L52	53	CCI-SFP-060100	32.50 - 32.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L52	71	CCI-SFP-065125	32.50 - 32.75	1.0000	1.0000
L52	72	CCI-SFP-065125	32.50 - 32.75	1.0000	1.0000
L52	88	CCI-SFP-065125	32.50 - 32.75	1.0000	1.0000
L52	89	CCI-SFP-065125	32.50 - 32.75	1.0000	1.0000
L53	2	Safety Line 3/8"	32.25 - 32.50	1.0000	1.0000
L53	3	Climbing Pegs	32.25 - 32.50	1.0000	1.0000
L53	20	HB158-21U6S24-xxM_TMO(1-5/8)	32.25 - 32.50	1.0000	1.0000
L53	25	HB114-U6S12-XXX-LI(1-1/4)	32.25 - 32.50	1.0000	1.0000
L53	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	32.25 - 32.50	1.0000	1.0000
L53	31	FP 5"x0.625"	32.25 - 32.50	1.0000	1.0000
L53	32	FP 5"x0.625"	32.25 - 32.50	1.0000	1.0000
L53	38	FP 6"x1.25"	32.25 - 32.50	1.0000	1.0000
L53	39	FP 6"x1.25"	32.25 - 32.50	1.0000	1.0000
L53	40	FP 6"x1.25"	32.25 - 32.50	1.0000	1.0000
L53	51	CCI-SFP-060100	32.25 - 32.50	1.0000	1.0000
L53	52	CCI-SFP-060100	32.25 - 32.50	1.0000	1.0000
L53	53	CCI-SFP-060100	32.25 - 32.50	1.0000	1.0000
L53	71	CCI-SFP-065125	32.25 - 32.50	1.0000	1.0000
L53	72	CCI-SFP-065125	32.25 - 32.50	1.0000	1.0000
L53	88	CCI-SFP-065125	32.25 - 32.50	1.0000	1.0000
L53	89	CCI-SFP-065125	32.25 - 32.50	1.0000	1.0000
L54	2	Safety Line 3/8"	32.00 - 32.25	1.0000	1.0000
L54	3	Climbing Pegs	32.00 - 32.25	1.0000	1.0000
L54	20	HB158-21U6S24-xxM_TMO(1-5/8)	32.00 - 32.25	1.0000	1.0000
L54	25	HB114-U6S12-XXX-LI(1-1/4)	32.00 - 32.25	1.0000	1.0000
L54	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	32.00 - 32.25	1.0000	1.0000
L54	31	FP 5"x0.625"	32.00 - 32.25	1.0000	1.0000
L54	32	FP 5"x0.625"	32.00 - 32.25	1.0000	1.0000
L54	38	FP 6"x1.25"	32.00 - 32.25	1.0000	1.0000
L54	39	FP 6"x1.25"	32.00 - 32.25	1.0000	1.0000
L54	40	FP 6"x1.25"	32.00 - 32.25	1.0000	1.0000
L54	51	CCI-SFP-060100	32.00 - 32.25	1.0000	1.0000
L54	52	CCI-SFP-060100	32.00 - 32.25	1.0000	1.0000
L54	53	CCI-SFP-060100	32.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L54	71	CCI-SFP-065125	32.25 32.00 -	1.0000	1.0000
L54	72	CCI-SFP-065125	32.25 32.00 -	1.0000	1.0000
L54	88	CCI-SFP-065125	32.25 32.00 -	1.0000	1.0000
L54	89	CCI-SFP-065125	32.25 32.00 -	1.0000	1.0000
L55	2	Safety Line 3/8"	30.33 - 32.00	1.0000	1.0000
L55	3	Climbing Pegs	30.33 - 32.00	1.0000	1.0000
L55	20	HB158-21U6S24- xxM_TMO(1-5/8)	30.33 - 32.00	1.0000	1.0000
L55	25	HB114-U6S12-XXX-LI(1- 1/4)	30.33 - 32.00	1.0000	1.0000
L55	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	30.33 - 32.00	1.0000	1.0000
L55	31	FP 5"x0.625"	30.33 - 32.00	1.0000	1.0000
L55	32	FP 5"x0.625"	30.33 - 32.00	1.0000	1.0000
L55	35	FP 6"x1.25"	30.33 - 30.75	1.0000	1.0000
L55	36	FP 6"x1.25"	30.33 - 30.75	1.0000	1.0000
L55	37	FP 6"x1.25"	30.33 - 30.75	1.0000	1.0000
L55	38	FP 6"x1.25"	30.33 - 32.00	1.0000	1.0000
L55	39	FP 6"x1.25"	30.33 - 32.00	1.0000	1.0000
L55	40	FP 6"x1.25"	30.33 - 32.00	1.0000	1.0000
L55	51	CCI-SFP-060100	30.33 - 32.00	1.0000	1.0000
L55	52	CCI-SFP-060100	30.33 - 32.00	1.0000	1.0000
L55	53	CCI-SFP-060100	30.33 - 32.00	1.0000	1.0000
L55	71	CCI-SFP-065125	30.33 - 32.00	1.0000	1.0000
L55	72	CCI-SFP-065125	30.33 - 32.00	1.0000	1.0000
L55	88	CCI-SFP-065125	30.33 - 32.00	1.0000	1.0000
L55	89	CCI-SFP-065125	30.33 - 32.00	1.0000	1.0000
L56	2	Safety Line 3/8"	30.08 - 30.33	1.0000	1.0000
L56	3	Climbing Pegs	30.08 - 30.33	1.0000	1.0000
L56	20	HB158-21U6S24- xxM_TMO(1-5/8)	30.08 - 30.33	1.0000	1.0000
L56	25	HB114-U6S12-XXX-LI(1- 1/4)	30.08 - 30.33	1.0000	1.0000
L56	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	30.08 - 30.33	1.0000	1.0000
L56	31	FP 5"x0.625"	30.08 - 30.33	1.0000	1.0000
L56	32	FP 5"x0.625"	30.08 - 30.33	1.0000	1.0000
L56	35	FP 6"x1.25"	30.08 - 30.33	1.0000	1.0000
L56	36	FP 6"x1.25"	30.08 - 30.33	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L56	37	FP 6"x1.25"	30.08 - 30.33	1.0000	1.0000
L56	38	FP 6"x1.25"	30.08 - 30.33	1.0000	1.0000
L56	39	FP 6"x1.25"	30.08 - 30.33	1.0000	1.0000
L56	40	FP 6"x1.25"	30.08 - 30.33	1.0000	1.0000
L56	51	CCI-SFP-060100	30.08 - 30.33	1.0000	1.0000
L56	52	CCI-SFP-060100	30.08 - 30.33	1.0000	1.0000
L56	53	CCI-SFP-060100	30.08 - 30.33	1.0000	1.0000
L56	71	CCI-SFP-065125	30.08 - 30.33	1.0000	1.0000
L56	72	CCI-SFP-065125	30.08 - 30.33	1.0000	1.0000
L56	88	CCI-SFP-065125	30.08 - 30.33	1.0000	1.0000
L56	89	CCI-SFP-065125	30.08 - 30.33	1.0000	1.0000
L57	2	Safety Line 3/8"	28.25 - 30.08	1.0000	1.0000
L57	3	Climbing Pegs	28.25 - 30.08	1.0000	1.0000
L57	20	HB158-21U6S24-xxM_TMO(1-5/8)	28.25 - 30.08	1.0000	1.0000
L57	25	HB114-U6S12-XXX-LI(1-1/4)	28.25 - 30.08	1.0000	1.0000
L57	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	28.25 - 30.08	1.0000	1.0000
L57	31	FP 5"x0.625"	28.25 - 30.08	1.0000	1.0000
L57	32	FP 5"x0.625"	28.25 - 30.08	1.0000	1.0000
L57	35	FP 6"x1.25"	28.25 - 30.08	1.0000	1.0000
L57	36	FP 6"x1.25"	28.25 - 30.08	1.0000	1.0000
L57	37	FP 6"x1.25"	28.25 - 30.08	1.0000	1.0000
L57	38	FP 6"x1.25"	28.25 - 30.08	1.0000	1.0000
L57	39	FP 6"x1.25"	28.25 - 30.08	1.0000	1.0000
L57	40	FP 6"x1.25"	28.25 - 30.08	1.0000	1.0000
L57	51	CCI-SFP-060100	28.25 - 30.08	1.0000	1.0000
L57	52	CCI-SFP-060100	28.25 - 30.08	1.0000	1.0000
L57	53	CCI-SFP-060100	28.25 - 30.08	1.0000	1.0000
L57	71	CCI-SFP-065125	28.25 - 30.08	1.0000	1.0000
L57	72	CCI-SFP-065125	28.25 - 30.08	1.0000	1.0000
L57	88	CCI-SFP-065125	28.25 - 30.08	1.0000	1.0000
L57	89	CCI-SFP-065125	28.25 - 30.08	1.0000	1.0000
L58	2	Safety Line 3/8"	28.00 - 28.25	1.0000	1.0000
L58	3	Climbing Pegs	28.00 - 28.25	1.0000	1.0000
L58	20	HB158-21U6S24-xxM_TMO(1-5/8)	28.00 - 28.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L58	25	HB114-U6S12-XXX-LI(1-1/4)	28.00 - 28.25	1.0000	1.0000
L58	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	28.00 - 28.25	1.0000	1.0000
L58	31	FP 5"x0.625"	28.00 - 28.25	1.0000	1.0000
L58	32	FP 5"x0.625"	28.00 - 28.25	1.0000	1.0000
L58	35	FP 6"x1.25"	28.00 - 28.25	1.0000	1.0000
L58	36	FP 6"x1.25"	28.00 - 28.25	1.0000	1.0000
L58	37	FP 6"x1.25"	28.00 - 28.25	1.0000	1.0000
L58	38	FP 6"x1.25"	28.00 - 28.25	1.0000	1.0000
L58	39	FP 6"x1.25"	28.00 - 28.25	1.0000	1.0000
L58	40	FP 6"x1.25"	28.00 - 28.25	1.0000	1.0000
L58	51	CCI-SFP-060100	28.00 - 28.25	1.0000	1.0000
L58	52	CCI-SFP-060100	28.00 - 28.25	1.0000	1.0000
L58	53	CCI-SFP-060100	28.00 - 28.25	1.0000	1.0000
L58	71	CCI-SFP-065125	28.00 - 28.25	1.0000	1.0000
L58	72	CCI-SFP-065125	28.00 - 28.25	1.0000	1.0000
L58	88	CCI-SFP-065125	28.00 - 28.25	1.0000	1.0000
L58	89	CCI-SFP-065125	28.00 - 28.25	1.0000	1.0000
L59	2	Safety Line 3/8"	23.00 - 28.00	1.0000	1.0000
L59	3	Climbing Pegs	23.00 - 28.00	1.0000	1.0000
L59	20	HB158-21U6S24- xxM_TMO(1-5/8)	23.00 - 28.00	1.0000	1.0000
L59	25	HB114-U6S12-XXX-LI(1-1/4)	23.00 - 28.00	1.0000	1.0000
L59	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	23.00 - 28.00	1.0000	1.0000
L59	31	FP 5"x0.625"	23.00 - 28.00	1.0000	1.0000
L59	32	FP 5"x0.625"	23.00 - 28.00	1.0000	1.0000
L59	35	FP 6"x1.25"	23.00 - 28.00	1.0000	1.0000
L59	36	FP 6"x1.25"	23.00 - 28.00	1.0000	1.0000
L59	37	FP 6"x1.25"	23.00 - 28.00	1.0000	1.0000
L59	38	FP 6"x1.25"	27.83 - 28.00	1.0000	1.0000
L59	39	FP 6"x1.25"	27.83 - 28.00	1.0000	1.0000
L59	40	FP 6"x1.25"	27.83 - 28.00	1.0000	1.0000
L59	51	CCI-SFP-060100	23.00 - 28.00	1.0000	1.0000
L59	52	CCI-SFP-060100	23.00 - 28.00	1.0000	1.0000
L59	53	CCI-SFP-060100	23.00 - 28.00	1.0000	1.0000
L59	57	CCI-SFP-045100	23.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L59	58	CCI-SFP-045100	27.75 23.00 - 27.75	1.0000	1.0000
L59	59	CCI-SFP-045100	23.00 - 27.75	1.0000	1.0000
L59	71	CCI-SFP-065125	25.50 - 28.00	1.0000	1.0000
L59	72	CCI-SFP-065125	25.50 - 28.00	1.0000	1.0000
L59	88	CCI-SFP-065125	23.00 - 28.00	1.0000	1.0000
L59	89	CCI-SFP-065125	23.00 - 28.00	1.0000	1.0000
L60	2	Safety Line 3/8"	19.25 - 23.00	1.0000	1.0000
L60	3	Climbing Pegs	19.25 - 23.00	1.0000	1.0000
L60	20	HB158-21U6S24-xxM_TMO(1-5/8)	19.25 - 23.00	1.0000	1.0000
L60	25	HB114-U6S12-XXX-LI(1-1/4)	19.25 - 23.00	1.0000	1.0000
L60	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	19.25 - 23.00	1.0000	1.0000
L60	31	FP 5"x0.625"	19.25 - 23.00	1.0000	1.0000
L60	32	FP 5"x0.625"	19.25 - 23.00	1.0000	1.0000
L60	35	FP 6"x1.25"	19.25 - 23.00	1.0000	1.0000
L60	36	FP 6"x1.25"	19.25 - 23.00	1.0000	1.0000
L60	37	FP 6"x1.25"	19.25 - 23.00	1.0000	1.0000
L60	51	CCI-SFP-060100	19.25 - 23.00	1.0000	1.0000
L60	52	CCI-SFP-060100	19.25 - 23.00	1.0000	1.0000
L60	53	CCI-SFP-060100	19.25 - 23.00	1.0000	1.0000
L60	57	CCI-SFP-045100	19.25 - 23.00	1.0000	1.0000
L60	58	CCI-SFP-045100	19.25 - 23.00	1.0000	1.0000
L60	59	CCI-SFP-045100	19.25 - 23.00	1.0000	1.0000
L60	88	CCI-SFP-065125	19.25 - 23.00	1.0000	1.0000
L60	89	CCI-SFP-065125	19.25 - 23.00	1.0000	1.0000
L61	2	Safety Line 3/8"	19.00 - 19.25	1.0000	1.0000
L61	3	Climbing Pegs	19.00 - 19.25	1.0000	1.0000
L61	20	HB158-21U6S24-xxM_TMO(1-5/8)	19.00 - 19.25	1.0000	1.0000
L61	25	HB114-U6S12-XXX-LI(1-1/4)	19.00 - 19.25	1.0000	1.0000
L61	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	19.00 - 19.25	1.0000	1.0000
L61	31	FP 5"x0.625"	19.00 - 19.25	1.0000	1.0000
L61	32	FP 5"x0.625"	19.00 - 19.25	1.0000	1.0000
L61	35	FP 6"x1.25"	19.00 - 19.25	1.0000	1.0000
L61	36	FP 6"x1.25"	19.00 - 19.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L61	37	FP 6"x1.25"	19.00 - 19.25	1.0000	1.0000
L61	51	CCI-SFP-060100	19.00 - 19.25	1.0000	1.0000
L61	52	CCI-SFP-060100	19.00 - 19.25	1.0000	1.0000
L61	53	CCI-SFP-060100	19.00 - 19.25	1.0000	1.0000
L61	57	CCI-SFP-045100	19.00 - 19.25	1.0000	1.0000
L61	58	CCI-SFP-045100	19.00 - 19.25	1.0000	1.0000
L61	59	CCI-SFP-045100	19.00 - 19.25	1.0000	1.0000
L61	88	CCI-SFP-065125	19.00 - 19.25	1.0000	1.0000
L61	89	CCI-SFP-065125	19.00 - 19.25	1.0000	1.0000
L62	2	Safety Line 3/8"	14.50 - 19.00	1.0000	1.0000
L62	3	Climbing Pegs	14.50 - 19.00	1.0000	1.0000
L62	20	HB158-21U6S24-xxM_TMO(1-5/8)	14.50 - 19.00	1.0000	1.0000
L62	25	HB114-U6S12-XXX-LI(1-1/4)	14.50 - 19.00	1.0000	1.0000
L62	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	14.50 - 19.00	1.0000	1.0000
L62	31	FP 5"x0.625"	14.50 - 19.00	1.0000	1.0000
L62	32	FP 5"x0.625"	14.50 - 19.00	1.0000	1.0000
L62	35	FP 6"x1.25"	14.50 - 19.00	1.0000	1.0000
L62	36	FP 6"x1.25"	14.50 - 19.00	1.0000	1.0000
L62	37	FP 6"x1.25"	14.50 - 19.00	1.0000	1.0000
L62	51	CCI-SFP-060100	14.50 - 19.00	1.0000	1.0000
L62	52	CCI-SFP-060100	14.50 - 19.00	1.0000	1.0000
L62	53	CCI-SFP-060100	14.50 - 19.00	1.0000	1.0000
L62	57	CCI-SFP-045100	17.75 - 19.00	1.0000	1.0000
L62	58	CCI-SFP-045100	17.75 - 19.00	1.0000	1.0000
L62	59	CCI-SFP-045100	17.75 - 19.00	1.0000	1.0000
L62	88	CCI-SFP-065125	14.50 - 19.00	1.0000	1.0000
L62	89	CCI-SFP-065125	14.50 - 19.00	1.0000	1.0000
L63	2	Safety Line 3/8"	14.25 - 14.50	1.0000	1.0000
L63	3	Climbing Pegs	14.25 - 14.50	1.0000	1.0000
L63	20	HB158-21U6S24-xxM_TMO(1-5/8)	14.25 - 14.50	1.0000	1.0000
L63	25	HB114-U6S12-XXX-LI(1-1/4)	14.25 - 14.50	1.0000	1.0000
L63	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	14.25 - 14.50	1.0000	1.0000
L63	31	FP 5"x0.625"	14.25 - 14.50	1.0000	1.0000
L63	32	FP 5"x0.625"	14.25 - 14.50	1.0000	1.0000



Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L63	35	FP 6"x1.25"	14.50 14.25 -	1.0000	1.0000
L63	36	FP 6"x1.25"	14.50 14.25 -	1.0000	1.0000
L63	37	FP 6"x1.25"	14.50 14.25 -	1.0000	1.0000
L63	51	CCI-SFP-060100	14.50 14.25 -	1.0000	1.0000
L63	52	CCI-SFP-060100	14.50 14.25 -	1.0000	1.0000
L63	53	CCI-SFP-060100	14.50 14.25 -	1.0000	1.0000
L63	88	CCI-SFP-065125	14.50 14.25 -	1.0000	1.0000
L63	89	CCI-SFP-065125	14.50 14.25 -	1.0000	1.0000
L64	2	Safety Line 3/8"	14.25 12.75 -	1.0000	1.0000
L64	3	Climbing Pegs	14.25 12.75 -	1.0000	1.0000
L64	20	HB158-21U6S24- xxM_TMO(1-5/8)	14.25 12.75 -	1.0000	1.0000
L64	25	HB114-U6S12-XXX-LI(1- 1/4)	14.25 12.75 -	1.0000	1.0000
L64	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	14.25 12.75 -	1.0000	1.0000
L64	31	FP 5"x0.625"	14.25 12.75 -	1.0000	1.0000
L64	32	FP 5"x0.625"	14.25 12.75 -	1.0000	1.0000
L64	35	FP 6"x1.25"	14.25 12.75 -	1.0000	1.0000
L64	36	FP 6"x1.25"	14.25 12.75 -	1.0000	1.0000
L64	37	FP 6"x1.25"	14.25 12.75 -	1.0000	1.0000
L64	51	CCI-SFP-060100	14.25 12.75 -	1.0000	1.0000
L64	52	CCI-SFP-060100	14.25 12.75 -	1.0000	1.0000
L64	53	CCI-SFP-060100	14.25 12.75 -	1.0000	1.0000
L64	88	CCI-SFP-065125	14.25 12.75 -	1.0000	1.0000
L64	89	CCI-SFP-065125	14.25 12.75 -	1.0000	1.0000
L65	2	Safety Line 3/8"	12.75 12.50 -	1.0000	1.0000
L65	3	Climbing Pegs	12.75 12.50 -	1.0000	1.0000
L65	20	HB158-21U6S24- xxM_TMO(1-5/8)	12.75 12.50 -	1.0000	1.0000
L65	25	HB114-U6S12-XXX-LI(1- 1/4)	12.75 12.50 -	1.0000	1.0000
L65	28	MLE HYBRID 3POWER/6FIBER RL 2(1- 1/4)	12.75 12.50 -	1.0000	1.0000
L65	31	FP 5"x0.625"	12.75 12.50 -	1.0000	1.0000
L65	32	FP 5"x0.625"	12.75 12.50 -	1.0000	1.0000
L65	35	FP 6"x1.25"	12.75 12.50 -	1.0000	1.0000
L65	36	FP 6"x1.25"	12.75 12.50 -	1.0000	1.0000
L65	37	FP 6"x1.25"	12.75 12.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L65	51	CCI-SFP-060100	12.50 - 12.75	1.0000	1.0000
L65	52	CCI-SFP-060100	12.50 - 12.75	1.0000	1.0000
L65	53	CCI-SFP-060100	12.50 - 12.75	1.0000	1.0000
L65	88	CCI-SFP-065125	12.50 - 12.75	1.0000	1.0000
L65	89	CCI-SFP-065125	12.50 - 12.75	1.0000	1.0000
L66	2	Safety Line 3/8"	7.50 - 12.50	1.0000	1.0000
L66	3	Climbing Pegs	7.50 - 12.50	1.0000	1.0000
L66	20	HB158-21U6S24-xxM_TMO(1-5/8)	7.50 - 12.50	1.0000	1.0000
L66	25	HB114-U6S12-XXX-LI(1-1/4)	7.50 - 12.50	1.0000	1.0000
L66	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	7.50 - 12.50	1.0000	1.0000
L66	31	FP 5"x0.625"	7.50 - 12.50	1.0000	1.0000
L66	32	FP 5"x0.625"	7.50 - 12.50	1.0000	1.0000
L66	35	FP 6"x1.25"	7.50 - 12.50	1.0000	1.0000
L66	36	FP 6"x1.25"	7.50 - 12.50	1.0000	1.0000
L66	37	FP 6"x1.25"	7.50 - 12.50	1.0000	1.0000
L66	51	CCI-SFP-060100	7.50 - 12.50	1.0000	1.0000
L66	52	CCI-SFP-060100	7.50 - 12.50	1.0000	1.0000
L66	53	CCI-SFP-060100	7.50 - 12.50	1.0000	1.0000
L66	88	CCI-SFP-065125	10.00 - 12.50	1.0000	1.0000
L66	89	CCI-SFP-065125	10.00 - 12.50	1.0000	1.0000
L67	2	Safety Line 3/8"	3.50 - 7.50	1.0000	1.0000
L67	3	Climbing Pegs	3.50 - 7.50	1.0000	1.0000
L67	20	HB158-21U6S24-xxM_TMO(1-5/8)	3.50 - 7.50	1.0000	1.0000
L67	25	HB114-U6S12-XXX-LI(1-1/4)	3.50 - 7.50	1.0000	1.0000
L67	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	3.50 - 7.50	1.0000	1.0000
L67	31	FP 5"x0.625"	3.50 - 7.50	1.0000	1.0000
L67	32	FP 5"x0.625"	3.50 - 7.50	1.0000	1.0000
L67	35	FP 6"x1.25"	3.50 - 7.50	1.0000	1.0000
L67	36	FP 6"x1.25"	3.50 - 7.50	1.0000	1.0000
L67	37	FP 6"x1.25"	3.50 - 7.50	1.0000	1.0000
L67	51	CCI-SFP-060100	3.50 - 7.50	1.0000	1.0000
L67	52	CCI-SFP-060100	3.50 - 7.50	1.0000	1.0000
L67	53	CCI-SFP-060100	3.50 - 7.50	1.0000	1.0000
L68	2	Safety Line 3/8"	3.25 - 3.50	1.0000	1.0000
L68	3	Climbing Pegs	3.25 - 3.50	1.0000	1.0000
L68	20	HB158-21U6S24-xxM_TMO(1-5/8)	3.25 - 3.50	1.0000	1.0000
L68	25	HB114-U6S12-XXX-LI(1-1/4)	3.25 - 3.50	1.0000	1.0000
L68	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	3.25 - 3.50	1.0000	1.0000
L68	31	FP 5"x0.625"	3.25 - 3.50	1.0000	1.0000
L68	32	FP 5"x0.625"	3.25 - 3.50	1.0000	1.0000
L68	35	FP 6"x1.25"	3.25 - 3.50	1.0000	1.0000
L68	36	FP 6"x1.25"	3.25 - 3.50	1.0000	1.0000
L68	37	FP 6"x1.25"	3.25 - 3.50	1.0000	1.0000
L68	51	CCI-SFP-060100	3.25 - 3.50	1.0000	1.0000
L68	52	CCI-SFP-060100	3.25 - 3.50	1.0000	1.0000
L68	53	CCI-SFP-060100	3.25 - 3.50	1.0000	1.0000
L69	2	Safety Line 3/8"	0.00 - 3.25	1.0000	1.0000
L69	3	Climbing Pegs	0.00 - 3.25	1.0000	1.0000
L69	20	HB158-21U6S24-xxM_TMO(1-5/8)	0.00 - 3.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
L69	25	HB114-U6S12-XXX-LI(1-1/4)	0.00 - 3.25	1.0000	1.0000
L69	28	MLE HYBRID 3POWER/6FIBER RL 2(1-1/4)	0.00 - 3.25	1.0000	1.0000
L69	31	FP 5"x0.625"	0.00 - 3.25	1.0000	1.0000
L69	32	FP 5"x0.625"	0.00 - 3.25	1.0000	1.0000
L69	35	FP 6"x1.25"	0.00 - 3.25	1.0000	1.0000
L69	36	FP 6"x1.25"	0.00 - 3.25	1.0000	1.0000
L69	37	FP 6"x1.25"	0.00 - 3.25	1.0000	1.0000
L69	51	CCI-SFP-060100	0.00 - 3.25	1.0000	1.0000
L69	52	CCI-SFP-060100	0.00 - 3.25	1.0000	1.0000
L69	53	CCI-SFP-060100	0.00 - 3.25	1.0000	1.0000

**Effective Width of Flat Linear Attachments / Feed Lines**

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L6	74	CCI-SFP-040125	138.50 - 140.00	Auto	0.0318
L6	75	CCI-SFP-040125	138.50 - 140.00	Auto	0.0318
L6	76	CCI-SFP-040125	138.50 - 138.75	Auto	0.0272
L6	77	CCI-SFP-040125	138.50 - 138.75	Auto	0.0272
L7	74	CCI-SFP-040125	138.00 - 138.50	Auto	0.0244
L7	75	CCI-SFP-040125	138.00 - 138.50	Auto	0.0244
L7	76	CCI-SFP-040125	138.00 - 138.50	Auto	0.0244
L7	77	CCI-SFP-040125	138.00 - 138.50	Auto	0.0244
L8	74	CCI-SFP-040125	137.75 - 138.00	Auto	0.0409
L8	75	CCI-SFP-040125	137.75 - 138.00	Auto	0.0409
L8	76	CCI-SFP-040125	137.75 - 138.00	Auto	0.0409
L8	77	CCI-SFP-040125	137.75 - 138.00	Auto	0.0409
L9	74	CCI-SFP-040125	136.75 - 137.75	Auto	0.0363
L9	75	CCI-SFP-040125	136.75 - 137.75	Auto	0.0363
L9	76	CCI-SFP-040125	136.75 - 137.75	Auto	0.0363
L9	77	CCI-SFP-040125	136.75 - 137.75	Auto	0.0363
L10	74	CCI-SFP-040125	136.50 - 136.75	Auto	0.1225
L10	75	CCI-SFP-040125	136.50 - 136.75	Auto	0.1225
L10	76	CCI-SFP-040125	136.50 - 136.75	Auto	0.1225
L10	77	CCI-SFP-040125	136.50 - 136.75	Auto	0.1225
L11	74	CCI-SFP-040125	130.67 - 136.50	Auto	0.1002
L11	75	CCI-SFP-040125	130.67 - 136.50	Auto	0.1002
L11	76	CCI-SFP-040125	130.67 - 136.50	Auto	0.1002

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L11	77	CCI-SFP-040125	130.67 - 136.50	Auto	0.1002
L12	74	CCI-SFP-040125	129.33 - 130.67	Auto	0.1155
L12	75	CCI-SFP-040125	129.33 - 130.67	Auto	0.1155
L12	76	CCI-SFP-040125	129.33 - 130.67	Auto	0.1155
L12	77	CCI-SFP-040125	129.33 - 130.67	Auto	0.1155
L13	63	CCI-SFP-045100	125.75 - 127.33	Auto	0.1891
L13	64	CCI-SFP-045100	125.75 - 127.33	Auto	0.1891
L13	65	CCI-SFP-045100	125.75 - 127.33	Auto	0.1891
L13	74	CCI-SFP-040125	125.75 - 129.33	Auto	0.0950
L13	75	CCI-SFP-040125	125.75 - 129.33	Auto	0.0950
L13	76	CCI-SFP-040125	125.75 - 129.33	Auto	0.0950
L13	77	CCI-SFP-040125	125.75 - 129.33	Auto	0.0950
L14	63	CCI-SFP-045100	125.50 - 125.75	Auto	0.2810
L14	64	CCI-SFP-045100	125.50 - 125.75	Auto	0.2810
L14	65	CCI-SFP-045100	125.50 - 125.75	Auto	0.2810
L14	74	CCI-SFP-040125	125.50 - 125.75	Auto	0.1911
L14	75	CCI-SFP-040125	125.50 - 125.75	Auto	0.1911
L14	76	CCI-SFP-040125	125.50 - 125.75	Auto	0.1911
L14	77	CCI-SFP-040125	125.50 - 125.75	Auto	0.1911
L15	63	CCI-SFP-045100	120.50 - 125.50	Auto	0.2592
L15	64	CCI-SFP-045100	120.50 - 125.50	Auto	0.2592
L15	65	CCI-SFP-045100	120.50 - 125.50	Auto	0.2592
L15	67	CCI-SFP-040125	120.50 - 122.00	Auto	0.1539
L15	68	CCI-SFP-040125	120.50 - 122.00	Auto	0.1539
L15	74	CCI-SFP-040125	120.50 - 125.50	Auto	0.1666
L15	75	CCI-SFP-040125	120.50 - 125.50	Auto	0.1666
L15	76	CCI-SFP-040125	120.50 - 125.50	Auto	0.1666
L15	77	CCI-SFP-040125	120.50 - 125.50	Auto	0.1666
L16	63	CCI-SFP-045100	120.25 - 120.50	Auto	0.3107
L16	64	CCI-SFP-045100	120.25 - 120.50	Auto	0.3107
L16	65	CCI-SFP-045100	120.25 - 120.50	Auto	0.3107
L16	67	CCI-SFP-040125	120.25 - 120.50	Auto	0.2246
L16	68	CCI-SFP-040125	120.25 - 120.50	Auto	0.2246
L16	74	CCI-SFP-040125	120.25 - 120.50	Auto	0.2246

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L16	75	CCI-SFP-040125	120.25 - 120.50	Auto	0.2246
L16	76	CCI-SFP-040125	120.25 - 120.50	Auto	0.2246
L16	77	CCI-SFP-040125	120.25 - 120.50	Auto	0.2246
L17	33	FP 5"x0.625"	115.25 - 120.00	Auto	0.3549
L17	47	FP 5"x1.25"	115.25 - 115.83	Auto	0.3428
L17	48	FP 5"x1.25"	115.25 - 115.83	Auto	0.3428
L17	49	FP 5"x1.25"	115.25 - 115.83	Auto	0.3428
L17	63	CCI-SFP-045100	115.25 - 120.25	Auto	0.2840
L17	64	CCI-SFP-045100	115.25 - 120.25	Auto	0.2840
L17	65	CCI-SFP-045100	115.25 - 120.25	Auto	0.2840
L17	67	CCI-SFP-040125	115.25 - 120.25	Auto	0.1946
L17	68	CCI-SFP-040125	115.25 - 120.25	Auto	0.1946
L17	74	CCI-SFP-040125	115.25 - 120.25	Auto	0.1946
L17	75	CCI-SFP-040125	115.25 - 120.25	Auto	0.1946
L17	76	CCI-SFP-040125	115.25 - 120.25	Auto	0.1946
L17	77	CCI-SFP-040125	115.25 - 120.25	Auto	0.1946
L18	33	FP 5"x0.625"	113.83 - 115.25	Auto	0.3371
L18	47	FP 5"x1.25"	113.83 - 115.25	Auto	0.3371
L18	48	FP 5"x1.25"	113.83 - 115.25	Auto	0.3371
L18	49	FP 5"x1.25"	113.83 - 115.25	Auto	0.3371
L18	63	CCI-SFP-045100	113.83 - 115.25	Auto	0.2634
L18	64	CCI-SFP-045100	113.83 - 115.25	Auto	0.2634
L18	65	CCI-SFP-045100	113.83 - 115.25	Auto	0.2634
L18	67	CCI-SFP-040125	113.83 - 115.25	Auto	0.1713
L18	68	CCI-SFP-040125	113.83 - 115.25	Auto	0.1713
L18	74	CCI-SFP-040125	113.83 - 115.25	Auto	0.1713
L18	75	CCI-SFP-040125	113.83 - 115.25	Auto	0.1713
L18	76	CCI-SFP-040125	113.83 - 115.25	Auto	0.1713
L18	77	CCI-SFP-040125	113.83 - 115.25	Auto	0.1713
L19	33	FP 5"x0.625"	113.58 - 113.83	Auto	0.4290
L19	47	FP 5"x1.25"	113.58 - 113.83	Auto	0.4290
L19	48	FP 5"x1.25"	113.58 - 113.83	Auto	0.4290
L19	49	FP 5"x1.25"	113.58 - 113.83	Auto	0.4290
L19	63	CCI-SFP-045100	113.58 - 113.83	Auto	0.3656

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L19	64	CCI-SFP-045100	113.58 - 113.83	Auto	0.3656
L19	65	CCI-SFP-045100	113.58 - 113.83	Auto	0.3656
L19	67	CCI-SFP-040125	113.58 - 113.83	Auto	0.2863
L19	68	CCI-SFP-040125	113.58 - 113.83	Auto	0.2863
L19	74	CCI-SFP-040125	113.58 - 113.83	Auto	0.2863
L19	75	CCI-SFP-040125	113.58 - 113.83	Auto	0.2863
L19	76	CCI-SFP-040125	113.58 - 113.83	Auto	0.2863
L19	77	CCI-SFP-040125	113.58 - 113.83	Auto	0.2863
L20	33	FP 5"x0.625"	113.33 - 113.58	Auto	0.3660
L20	47	FP 5"x1.25"	113.33 - 113.58	Auto	0.3660
L20	48	FP 5"x1.25"	113.33 - 113.58	Auto	0.3660
L20	49	FP 5"x1.25"	113.33 - 113.58	Auto	0.3660
L20	63	CCI-SFP-045100	113.33 - 113.58	Auto	0.2955
L20	64	CCI-SFP-045100	113.33 - 113.58	Auto	0.2955
L20	65	CCI-SFP-045100	113.33 - 113.58	Auto	0.2955
L20	67	CCI-SFP-040125	113.33 - 113.58	Auto	0.2075
L20	68	CCI-SFP-040125	113.33 - 113.58	Auto	0.2075
L20	74	CCI-SFP-040125	113.33 - 113.58	Auto	0.2075
L20	75	CCI-SFP-040125	113.33 - 113.58	Auto	0.2075
L20	76	CCI-SFP-040125	113.33 - 113.58	Auto	0.2075
L20	77	CCI-SFP-040125	113.33 - 113.58	Auto	0.2075
L21	33	FP 5"x0.625"	113.08 - 113.33	Auto	0.3645
L21	47	FP 5"x1.25"	113.08 - 113.33	Auto	0.3645
L21	48	FP 5"x1.25"	113.08 - 113.33	Auto	0.3645
L21	49	FP 5"x1.25"	113.08 - 113.33	Auto	0.3645
L21	63	CCI-SFP-045100	113.08 - 113.33	Auto	0.2939
L21	64	CCI-SFP-045100	113.08 - 113.33	Auto	0.2939
L21	65	CCI-SFP-045100	113.08 - 113.33	Auto	0.2939
L21	67	CCI-SFP-040125	113.08 - 113.33	Auto	0.2057
L21	68	CCI-SFP-040125	113.08 - 113.33	Auto	0.2057
L21	74	CCI-SFP-040125	113.08 - 113.33	Auto	0.2057
L21	75	CCI-SFP-040125	113.08 - 113.33	Auto	0.2057
L21	76	CCI-SFP-040125	113.08 - 113.33	Auto	0.2057
L21	77	CCI-SFP-040125	113.08 - 113.33	Auto	0.2057

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L22	33	FP 5"x0.625"	112.00 - 113.08	Auto	0.3607
L22	47	FP 5"x1.25"	112.00 - 113.08	Auto	0.3607
L22	48	FP 5"x1.25"	112.00 - 113.08	Auto	0.3607
L22	49	FP 5"x1.25"	112.00 - 113.08	Auto	0.3607
L22	63	CCI-SFP-045100	112.00 - 113.08	Auto	0.2896
L22	64	CCI-SFP-045100	112.00 - 113.08	Auto	0.2896
L22	65	CCI-SFP-045100	112.00 - 113.08	Auto	0.2896
L22	67	CCI-SFP-040125	112.00 - 113.08	Auto	0.2008
L22	68	CCI-SFP-040125	112.00 - 113.08	Auto	0.2008
L22	74	CCI-SFP-040125	112.00 - 113.08	Auto	0.2008
L22	75	CCI-SFP-040125	112.00 - 113.08	Auto	0.2008
L22	76	CCI-SFP-040125	112.00 - 113.08	Auto	0.2008
L22	77	CCI-SFP-040125	112.00 - 113.08	Auto	0.2008
L23	33	FP 5"x0.625"	111.75 - 112.00	Auto	0.2688
L23	47	FP 5"x1.25"	111.75 - 112.00	Auto	0.2688
L23	48	FP 5"x1.25"	111.75 - 112.00	Auto	0.2688
L23	49	FP 5"x1.25"	111.75 - 112.00	Auto	0.2688
L23	63	CCI-SFP-045100	111.75 - 112.00	Auto	0.1876
L23	64	CCI-SFP-045100	111.75 - 112.00	Auto	0.1876
L23	65	CCI-SFP-045100	111.75 - 112.00	Auto	0.1876
L23	74	CCI-SFP-040125	111.75 - 112.00	Auto	0.0860
L23	75	CCI-SFP-040125	111.75 - 112.00	Auto	0.0860
L23	76	CCI-SFP-040125	111.75 - 112.00	Auto	0.0860
L23	77	CCI-SFP-040125	111.75 - 112.00	Auto	0.0860
L24	33	FP 5"x0.625"	106.75 - 111.75	Auto	0.2492
L24	47	FP 5"x1.25"	106.75 - 111.75	Auto	0.2492
L24	48	FP 5"x1.25"	106.75 - 111.75	Auto	0.2492
L24	49	FP 5"x1.25"	106.75 - 111.75	Auto	0.2492
L24	63	CCI-SFP-045100	106.75 - 111.75	Auto	0.1658
L24	64	CCI-SFP-045100	106.75 - 111.75	Auto	0.1658
L24	65	CCI-SFP-045100	106.75 - 111.75	Auto	0.1658
L24	74	CCI-SFP-040125	110.00 - 111.75	Auto	0.0733
L24	75	CCI-SFP-040125	110.00 - 111.75	Auto	0.0733
L24	76	CCI-SFP-040125	110.00 - 111.75	Auto	0.0733

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L24	77	CCI-SFP-040125	110.00 - 111.75	Auto	0.0733
L25	33	FP 5"x0.625"	101.75 - 106.75	Auto	0.2158
L25	47	FP 5"x1.25"	101.75 - 106.75	Auto	0.2158
L25	48	FP 5"x1.25"	101.75 - 106.75	Auto	0.2158
L25	49	FP 5"x1.25"	101.75 - 106.75	Auto	0.2158
L25	63	CCI-SFP-045100	101.75 - 106.75	Auto	0.1287
L25	64	CCI-SFP-045100	101.75 - 106.75	Auto	0.1287
L25	65	CCI-SFP-045100	101.75 - 106.75	Auto	0.1287
L26	33	FP 5"x0.625"	98.42 - 101.75	Auto	0.1873
L26	47	FP 5"x1.25"	98.42 - 101.75	Auto	0.1873
L26	48	FP 5"x1.25"	98.42 - 101.75	Auto	0.1873
L26	49	FP 5"x1.25"	98.42 - 101.75	Auto	0.1873
L26	63	CCI-SFP-045100	98.42 - 101.75	Auto	0.0970
L26	64	CCI-SFP-045100	98.42 - 101.75	Auto	0.0970
L26	65	CCI-SFP-045100	98.42 - 101.75	Auto	0.0970
L26	78	CCI-SFP-050125	98.42 - 100.42	Auto	0.1834
L26	80	CCI-SFP-050125	98.42 - 100.58	Auto	0.1839
L26	81	CCI-SFP-050125	98.42 - 100.42	Auto	0.1834
L26	83	CCI-SFP-050125	98.42 - 100.58	Auto	0.1839
L27	33	FP 5"x0.625"	98.17 - 98.42	Auto	0.2869
L27	47	FP 5"x1.25"	98.17 - 98.42	Auto	0.2869
L27	48	FP 5"x1.25"	98.17 - 98.42	Auto	0.2869
L27	49	FP 5"x1.25"	98.17 - 98.42	Auto	0.2869
L27	63	CCI-SFP-045100	98.17 - 98.42	Auto	0.2077
L27	64	CCI-SFP-045100	98.17 - 98.42	Auto	0.2077
L27	65	CCI-SFP-045100	98.17 - 98.42	Auto	0.2077
L27	78	CCI-SFP-050125	98.17 - 98.42	Auto	0.2869
L27	80	CCI-SFP-050125	98.17 - 98.42	Auto	0.2869
L27	81	CCI-SFP-050125	98.17 - 98.42	Auto	0.2869
L27	83	CCI-SFP-050125	98.17 - 98.42	Auto	0.2869
L28	33	FP 5"x0.625"	93.17 - 98.17	Auto	0.2629
L28	47	FP 5"x1.25"	93.17 - 98.17	Auto	0.2629
L28	48	FP 5"x1.25"	93.17 - 98.17	Auto	0.2629
L28	49	FP 5"x1.25"	93.17 - 98.17	Auto	0.2629



Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L28	63	CCI-SFP-045100	93.17 - 98.17	Auto	0.1810
L28	64	CCI-SFP-045100	93.17 - 98.17	Auto	0.1810
L28	65	CCI-SFP-045100	93.17 - 98.17	Auto	0.1810
L28	78	CCI-SFP-050125	93.17 - 98.17	Auto	0.2629
L28	80	CCI-SFP-050125	93.17 - 98.17	Auto	0.2629
L28	81	CCI-SFP-050125	93.17 - 98.17	Auto	0.2629
L28	83	CCI-SFP-050125	93.17 - 98.17	Auto	0.2629
L29	33	FP 5"x0.625"	84.72 - 93.17	Auto	0.2151
L29	44	FP 5"x1.25"	84.72 - 87.92	Auto	0.1999
L29	45	FP 5"x1.25"	84.72 - 87.92	Auto	0.1999
L29	46	FP 5"x1.25"	84.72 - 87.92	Auto	0.1999
L29	47	FP 5"x1.25"	85.83 - 93.17	Auto	0.2183
L29	48	FP 5"x1.25"	85.83 - 93.17	Auto	0.2183
L29	49	FP 5"x1.25"	85.83 - 93.17	Auto	0.2183
L29	63	CCI-SFP-045100	87.92 - 93.17	Auto	0.1382
L29	64	CCI-SFP-045100	87.92 - 93.17	Auto	0.1382
L29	65	CCI-SFP-045100	87.92 - 93.17	Auto	0.1382
L29	78	CCI-SFP-050125	84.72 - 93.17	Auto	0.2151
L29	80	CCI-SFP-050125	90.50 - 93.17	Auto	0.2319
L29	81	CCI-SFP-050125	84.72 - 93.17	Auto	0.2151
L29	83	CCI-SFP-050125	90.50 - 93.17	Auto	0.2319
L30	31	FP 5"x0.625"	83.72 - 84.67	Auto	0.1745
L30	32	FP 5"x0.625"	83.72 - 84.67	Auto	0.1745
L30	33	FP 5"x0.625"	84.67 - 84.72	Auto	0.1774
L30	44	FP 5"x1.25"	83.72 - 84.72	Auto	0.1746
L30	45	FP 5"x1.25"	83.72 - 84.72	Auto	0.1746
L30	46	FP 5"x1.25"	83.72 - 84.72	Auto	0.1746
L30	54	CCI-SFP-045100	83.72 - 84.33	Auto	0.0817
L30	55	CCI-SFP-045100	83.72 - 84.33	Auto	0.0817
L30	56	CCI-SFP-045100	83.72 - 84.33	Auto	0.0817
L30	78	CCI-SFP-050125	83.72 - 84.72	Auto	0.1746
L30	81	CCI-SFP-050125	83.72 - 84.72	Auto	0.1746
L31	31	FP 5"x0.625"	82.83 - 83.72	Auto	0.1692
L31	32	FP 5"x0.625"	82.83 - 83.72	Auto	0.1692

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L31	44	FP 5"x1.25"	82.83 - 83.72	Auto	0.1692
L31	45	FP 5"x1.25"	82.83 - 83.72	Auto	0.1692
L31	46	FP 5"x1.25"	82.83 - 83.72	Auto	0.1692
L31	54	CCI-SFP-045100	82.83 - 83.72	Auto	0.0769
L31	55	CCI-SFP-045100	82.83 - 83.72	Auto	0.0769
L31	56	CCI-SFP-045100	82.83 - 83.72	Auto	0.0769
L31	78	CCI-SFP-050125	82.83 - 83.72	Auto	0.1692
L31	81	CCI-SFP-050125	82.83 - 83.72	Auto	0.1692
L32	31	FP 5"x0.625"	82.58 - 82.83	Auto	0.2099
L32	32	FP 5"x0.625"	82.58 - 82.83	Auto	0.2099
L32	44	FP 5"x1.25"	82.58 - 82.83	Auto	0.2099
L32	45	FP 5"x1.25"	82.58 - 82.83	Auto	0.2099
L32	46	FP 5"x1.25"	82.58 - 82.83	Auto	0.2099
L32	54	CCI-SFP-045100	82.58 - 82.83	Auto	0.1221
L32	55	CCI-SFP-045100	82.58 - 82.83	Auto	0.1221
L32	56	CCI-SFP-045100	82.58 - 82.83	Auto	0.1221
L32	78	CCI-SFP-050125	82.58 - 82.83	Auto	0.2099
L32	81	CCI-SFP-050125	82.58 - 82.83	Auto	0.2099
L33	31	FP 5"x0.625"	77.58 - 82.58	Auto	0.1859
L33	32	FP 5"x0.625"	77.58 - 82.58	Auto	0.1859
L33	44	FP 5"x1.25"	77.58 - 82.58	Auto	0.1859
L33	45	FP 5"x1.25"	77.58 - 82.58	Auto	0.1859
L33	46	FP 5"x1.25"	77.58 - 82.58	Auto	0.1859
L33	54	CCI-SFP-045100	77.58 - 82.58	Auto	0.0955
L33	55	CCI-SFP-045100	77.58 - 82.58	Auto	0.0955
L33	56	CCI-SFP-045100	77.58 - 82.58	Auto	0.0955
L33	78	CCI-SFP-050125	77.58 - 82.58	Auto	0.1859
L33	79	CCI-SFP-050125	77.58 - 80.50	Auto	0.1799
L33	81	CCI-SFP-050125	77.58 - 82.58	Auto	0.1859
L33	82	CCI-SFP-050125	77.58 - 80.50	Auto	0.1799
L34	31	FP 5"x0.625"	73.42 - 77.58	Auto	0.1507
L34	32	FP 5"x0.625"	73.42 - 77.58	Auto	0.1507
L34	41	FP 5"x1.25"	73.42 - 75.42	Auto	0.1444
L34	42	FP 5"x1.25"	73.42 - 75.42	Auto	0.1444

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L34	43	FP 5"x1.25"	73.42 - 75.42	Auto	0.1444
L34	44	FP 5"x1.25"	73.42 - 77.58	Auto	0.1507
L34	45	FP 5"x1.25"	73.42 - 77.58	Auto	0.1507
L34	46	FP 5"x1.25"	73.42 - 77.58	Auto	0.1507
L34	54	CCI-SFP-045100	73.42 - 77.58	Auto	0.0563
L34	55	CCI-SFP-045100	73.42 - 77.58	Auto	0.0563
L34	56	CCI-SFP-045100	73.42 - 77.58	Auto	0.0563
L34	78	CCI-SFP-050125	73.42 - 77.58	Auto	0.1507
L34	79	CCI-SFP-050125	73.42 - 77.58	Auto	0.1507
L34	81	CCI-SFP-050125	73.42 - 77.58	Auto	0.1507
L34	82	CCI-SFP-050125	73.42 - 77.58	Auto	0.1507
L35	31	FP 5"x0.625"	73.17 - 73.42	Auto	0.2347
L35	32	FP 5"x0.625"	73.17 - 73.42	Auto	0.2347
L35	41	FP 5"x1.25"	73.17 - 73.42	Auto	0.2347
L35	42	FP 5"x1.25"	73.17 - 73.42	Auto	0.2347
L35	43	FP 5"x1.25"	73.17 - 73.42	Auto	0.2347
L35	44	FP 5"x1.25"	73.17 - 73.42	Auto	0.2347
L35	45	FP 5"x1.25"	73.17 - 73.42	Auto	0.2347
L35	46	FP 5"x1.25"	73.17 - 73.42	Auto	0.2347
L35	54	CCI-SFP-045100	73.17 - 73.42	Auto	0.1497
L35	55	CCI-SFP-045100	73.17 - 73.42	Auto	0.1497
L35	56	CCI-SFP-045100	73.17 - 73.42	Auto	0.1497
L35	78	CCI-SFP-050125	73.17 - 73.42	Auto	0.2347
L35	79	CCI-SFP-050125	73.17 - 73.42	Auto	0.2347
L35	81	CCI-SFP-050125	73.17 - 73.42	Auto	0.2347
L35	82	CCI-SFP-050125	73.17 - 73.42	Auto	0.2347
L36	31	FP 5"x0.625"	72.42 - 73.17	Auto	0.2318
L36	32	FP 5"x0.625"	72.42 - 73.17	Auto	0.2318
L36	41	FP 5"x1.25"	72.42 - 73.17	Auto	0.2318
L36	42	FP 5"x1.25"	72.42 - 73.17	Auto	0.2318
L36	43	FP 5"x1.25"	72.42 - 73.17	Auto	0.2318
L36	44	FP 5"x1.25"	72.92 - 73.17	Auto	0.2333
L36	45	FP 5"x1.25"	72.92 - 73.17	Auto	0.2333
L36	46	FP 5"x1.25"	72.92 - 73.17	Auto	0.2333

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L36	54	CCI-SFP-045100	72.42 - 73.17	Auto	0.1465
L36	55	CCI-SFP-045100	72.42 - 73.17	Auto	0.1465
L36	56	CCI-SFP-045100	72.42 - 73.17	Auto	0.1465
L36	60	CCI-SFP-045100	72.42 - 72.75	Auto	0.1451
L36	61	CCI-SFP-045100	72.42 - 72.75	Auto	0.1451
L36	62	CCI-SFP-045100	72.42 - 72.75	Auto	0.1451
L36	78	CCI-SFP-050125	72.42 - 73.17	Auto	0.2318
L36	79	CCI-SFP-050125	72.42 - 73.17	Auto	0.2318
L36	81	CCI-SFP-050125	72.42 - 73.17	Auto	0.2318
L36	82	CCI-SFP-050125	72.42 - 73.17	Auto	0.2318
L37	31	FP 5"x0.625"	72.17 - 72.42	Auto	0.1277
L37	32	FP 5"x0.625"	72.17 - 72.42	Auto	0.1277
L37	41	FP 5"x1.25"	72.17 - 72.42	Auto	0.1277
L37	42	FP 5"x1.25"	72.17 - 72.42	Auto	0.1277
L37	43	FP 5"x1.25"	72.17 - 72.42	Auto	0.1277
L37	54	CCI-SFP-045100	72.17 - 72.42	Auto	0.0308
L37	55	CCI-SFP-045100	72.17 - 72.42	Auto	0.0308
L37	56	CCI-SFP-045100	72.17 - 72.42	Auto	0.0308
L37	60	CCI-SFP-045100	72.17 - 72.42	Auto	0.0308
L37	61	CCI-SFP-045100	72.17 - 72.42	Auto	0.0308
L37	62	CCI-SFP-045100	72.17 - 72.42	Auto	0.0308
L37	78	CCI-SFP-050125	72.17 - 72.42	Auto	0.1277
L37	79	CCI-SFP-050125	72.17 - 72.42	Auto	0.1277
L37	81	CCI-SFP-050125	72.17 - 72.42	Auto	0.1277
L37	82	CCI-SFP-050125	72.17 - 72.42	Auto	0.1277
L38	31	FP 5"x0.625"	68.08 - 72.17	Auto	0.1108
L38	32	FP 5"x0.625"	68.08 - 72.17	Auto	0.1108
L38	41	FP 5"x1.25"	68.08 - 72.17	Auto	0.1108
L38	42	FP 5"x1.25"	68.08 - 72.17	Auto	0.1108
L38	43	FP 5"x1.25"	68.08 - 72.17	Auto	0.1108
L38	54	CCI-SFP-045100	68.08 - 72.17	Auto	0.0120
L38	55	CCI-SFP-045100	68.08 - 72.17	Auto	0.0120
L38	56	CCI-SFP-045100	68.08 - 72.17	Auto	0.0120
L38	60	CCI-SFP-045100	68.08 - 72.17	Auto	0.0120

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L38	61	CCI-SFP-045100	68.08 - 72.17	Auto	0.0120
L38	62	CCI-SFP-045100	68.08 - 72.17	Auto	0.0120
L38	78	CCI-SFP-050125	70.42 - 72.17	Auto	0.1176
L38	79	CCI-SFP-050125	70.42 - 72.17	Auto	0.1176
L38	81	CCI-SFP-050125	70.42 - 72.17	Auto	0.1176
L38	82	CCI-SFP-050125	70.42 - 72.17	Auto	0.1176
L38	84	CCI-SFP-050125	68.08 - 70.08	Auto	0.1048
L38	85	CCI-SFP-050125	68.08 - 70.08	Auto	0.1048
L39	31	FP 5"x0.625"	67.83 - 68.08	Auto	0.0983
L39	32	FP 5"x0.625"	67.83 - 68.08	Auto	0.0983
L39	41	FP 5"x1.25"	67.83 - 68.08	Auto	0.0983
L39	42	FP 5"x1.25"	67.83 - 68.08	Auto	0.0983
L39	43	FP 5"x1.25"	67.83 - 68.08	Auto	0.0983
L39	54	CCI-SFP-045100	67.83 - 68.08	Auto	0.0000
L39	55	CCI-SFP-045100	67.83 - 68.08	Auto	0.0000
L39	56	CCI-SFP-045100	67.83 - 68.08	Auto	0.0000
L39	60	CCI-SFP-045100	67.83 - 68.08	Auto	0.0000
L39	61	CCI-SFP-045100	67.83 - 68.08	Auto	0.0000
L39	62	CCI-SFP-045100	67.83 - 68.08	Auto	0.0000
L39	84	CCI-SFP-050125	67.83 - 68.08	Auto	0.0983
L39	85	CCI-SFP-050125	67.83 - 68.08	Auto	0.0983
L40	31	FP 5"x0.625"	65.58 - 67.83	Auto	0.0911
L40	32	FP 5"x0.625"	65.58 - 67.83	Auto	0.0911
L40	41	FP 5"x1.25"	65.58 - 67.83	Auto	0.0911
L40	42	FP 5"x1.25"	65.58 - 67.83	Auto	0.0911
L40	43	FP 5"x1.25"	65.58 - 67.83	Auto	0.0911
L40	54	CCI-SFP-045100	65.58 - 67.83	Auto	0.0000
L40	55	CCI-SFP-045100	65.58 - 67.83	Auto	0.0000
L40	56	CCI-SFP-045100	65.58 - 67.83	Auto	0.0000
L40	60	CCI-SFP-045100	65.58 - 67.83	Auto	0.0000
L40	61	CCI-SFP-045100	65.58 - 67.83	Auto	0.0000
L40	62	CCI-SFP-045100	65.58 - 67.83	Auto	0.0000
L40	84	CCI-SFP-050125	65.58 - 67.83	Auto	0.0911
L40	85	CCI-SFP-050125	65.58 - 67.83	Auto	0.0911

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L40	86	CCI-SFP-050125	65.58 - 67.58	Auto	0.0903
L40	87	CCI-SFP-050125	65.58 - 67.58	Auto	0.0903
L41	31	FP 5"x0.625"	65.33 - 65.58	Auto	0.1719
L41	32	FP 5"x0.625"	65.33 - 65.58	Auto	0.1719
L41	41	FP 5"x1.25"	65.33 - 65.58	Auto	0.1719
L41	42	FP 5"x1.25"	65.33 - 65.58	Auto	0.1719
L41	43	FP 5"x1.25"	65.33 - 65.58	Auto	0.1719
L41	54	CCI-SFP-045100	65.33 - 65.58	Auto	0.0798
L41	55	CCI-SFP-045100	65.33 - 65.58	Auto	0.0798
L41	56	CCI-SFP-045100	65.33 - 65.58	Auto	0.0798
L41	60	CCI-SFP-045100	65.33 - 65.58	Auto	0.0798
L41	61	CCI-SFP-045100	65.33 - 65.58	Auto	0.0798
L41	62	CCI-SFP-045100	65.33 - 65.58	Auto	0.0798
L41	84	CCI-SFP-050125	65.33 - 65.58	Auto	0.1719
L41	85	CCI-SFP-050125	65.33 - 65.58	Auto	0.1719
L41	86	CCI-SFP-050125	65.33 - 65.58	Auto	0.1719
L41	87	CCI-SFP-050125	65.33 - 65.58	Auto	0.1719
L42	31	FP 5"x0.625"	64.25 - 65.33	Auto	0.1680
L42	32	FP 5"x0.625"	64.25 - 65.33	Auto	0.1680
L42	41	FP 5"x1.25"	64.25 - 65.33	Auto	0.1680
L42	42	FP 5"x1.25"	64.25 - 65.33	Auto	0.1680
L42	43	FP 5"x1.25"	64.25 - 65.33	Auto	0.1680
L42	54	CCI-SFP-045100	64.25 - 65.33	Auto	0.0756
L42	55	CCI-SFP-045100	64.25 - 65.33	Auto	0.0756
L42	56	CCI-SFP-045100	64.25 - 65.33	Auto	0.0756
L42	60	CCI-SFP-045100	64.25 - 65.33	Auto	0.0756
L42	61	CCI-SFP-045100	64.25 - 65.33	Auto	0.0756
L42	62	CCI-SFP-045100	64.25 - 65.33	Auto	0.0756
L42	84	CCI-SFP-050125	64.25 - 65.33	Auto	0.1680
L42	85	CCI-SFP-050125	64.25 - 65.33	Auto	0.1680
L42	86	CCI-SFP-050125	64.25 - 65.33	Auto	0.1680
L42	87	CCI-SFP-050125	64.25 - 65.33	Auto	0.1680
L43	31	FP 5"x0.625"	64.00 - 64.25	Auto	0.0938
L43	32	FP 5"x0.625"	64.00 - 64.25	Auto	0.0938

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L43	41	FP 5"x1.25"	64.00 - 64.25	Auto	0.0938
L43	42	FP 5"x1.25"	64.00 - 64.25	Auto	0.0938
L43	43	FP 5"x1.25"	64.00 - 64.25	Auto	0.0938
L43	54	CCI-SFP-045100	64.00 - 64.25	Auto	0.0000
L43	55	CCI-SFP-045100	64.00 - 64.25	Auto	0.0000
L43	56	CCI-SFP-045100	64.00 - 64.25	Auto	0.0000
L43	60	CCI-SFP-045100	64.00 - 64.25	Auto	0.0000
L43	61	CCI-SFP-045100	64.00 - 64.25	Auto	0.0000
L43	62	CCI-SFP-045100	64.00 - 64.25	Auto	0.0000
L43	84	CCI-SFP-050125	64.00 - 64.25	Auto	0.0938
L43	85	CCI-SFP-050125	64.00 - 64.25	Auto	0.0938
L43	86	CCI-SFP-050125	64.00 - 64.25	Auto	0.0938
L43	87	CCI-SFP-050125	64.00 - 64.25	Auto	0.0938
L44	31	FP 5"x0.625"	59.00 - 64.00	Auto	0.0742
L44	32	FP 5"x0.625"	59.00 - 64.00	Auto	0.0742
L44	41	FP 5"x1.25"	59.00 - 64.00	Auto	0.0742
L44	42	FP 5"x1.25"	59.00 - 64.00	Auto	0.0742
L44	43	FP 5"x1.25"	59.00 - 64.00	Auto	0.0742
L44	54	CCI-SFP-045100	59.00 - 64.00	Auto	0.0000
L44	55	CCI-SFP-045100	59.00 - 64.00	Auto	0.0000
L44	56	CCI-SFP-045100	59.00 - 64.00	Auto	0.0000
L44	60	CCI-SFP-045100	62.75 - 64.00	Auto	0.0000
L44	61	CCI-SFP-045100	62.75 - 64.00	Auto	0.0000
L44	62	CCI-SFP-045100	62.75 - 64.00	Auto	0.0000
L44	84	CCI-SFP-050125	59.00 - 64.00	Auto	0.0742
L44	85	CCI-SFP-050125	59.00 - 64.00	Auto	0.0742
L44	86	CCI-SFP-050125	59.00 - 64.00	Auto	0.0742
L44	87	CCI-SFP-050125	59.00 - 64.00	Auto	0.0742
L45	31	FP 5"x0.625"	54.00 - 59.00	Auto	0.0409
L45	32	FP 5"x0.625"	54.00 - 59.00	Auto	0.0409
L45	41	FP 5"x1.25"	54.00 - 59.00	Auto	0.0409
L45	42	FP 5"x1.25"	54.00 - 59.00	Auto	0.0409
L45	43	FP 5"x1.25"	54.00 - 59.00	Auto	0.0409
L45	54	CCI-SFP-045100	54.00 - 59.00	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L45	55	CCI-SFP-045100	54.00 - 59.00	Auto	0.0000
L45	56	CCI-SFP-045100	54.00 - 59.00	Auto	0.0000
L45	69	CCI-SFP-050125	54.00 - 55.50	Auto	0.0308
L45	70	CCI-SFP-050125	54.00 - 55.50	Auto	0.0308
L45	84	CCI-SFP-050125	54.00 - 59.00	Auto	0.0409
L45	85	CCI-SFP-050125	54.00 - 59.00	Auto	0.0409
L45	86	CCI-SFP-050125	54.00 - 59.00	Auto	0.0409
L45	87	CCI-SFP-050125	54.00 - 59.00	Auto	0.0409
L46	31	FP 5"x0.625"	43.83 - 54.00	Auto	0.0027
L46	32	FP 5"x0.625"	43.83 - 54.00	Auto	0.0027
L46	38	FP 6"x1.25"	43.83 - 47.92	Auto	0.1423
L46	39	FP 6"x1.25"	43.83 - 47.92	Auto	0.1423
L46	40	FP 6"x1.25"	43.83 - 47.92	Auto	0.1423
L46	41	FP 5"x1.25"	45.38 - 54.00	Auto	0.0031
L46	42	FP 5"x1.25"	45.38 - 54.00	Auto	0.0031
L46	43	FP 5"x1.25"	45.38 - 54.00	Auto	0.0031
L46	54	CCI-SFP-045100	43.83 - 54.00	Auto	0.0000
L46	55	CCI-SFP-045100	43.83 - 54.00	Auto	0.0000
L46	56	CCI-SFP-045100	43.83 - 54.00	Auto	0.0000
L46	69	CCI-SFP-050125	45.50 - 54.00	Auto	0.0032
L46	70	CCI-SFP-050125	45.50 - 54.00	Auto	0.0032
L46	84	CCI-SFP-050125	43.83 - 54.00	Auto	0.0027
L46	85	CCI-SFP-050125	43.83 - 54.00	Auto	0.0027
L46	86	CCI-SFP-050125	43.83 - 54.00	Auto	0.0027
L46	87	CCI-SFP-050125	43.83 - 54.00	Auto	0.0027
L47	31	FP 5"x0.625"	42.83 - 43.83	Auto	0.0008
L47	32	FP 5"x0.625"	42.83 - 43.83	Auto	0.0008
L47	38	FP 6"x1.25"	42.83 - 43.83	Auto	0.1667
L47	39	FP 6"x1.25"	42.83 - 43.83	Auto	0.1667
L47	40	FP 6"x1.25"	42.83 - 43.83	Auto	0.1667
L47	51	CCI-SFP-060100	42.83 - 43.75	Auto	0.1666
L47	52	CCI-SFP-060100	42.83 - 43.75	Auto	0.1666
L47	53	CCI-SFP-060100	42.83 - 43.75	Auto	0.1666
L47	54	CCI-SFP-045100	43.75 - 43.83	Auto	0.0000



Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L47	55	CCI-SFP-045100	43.75 - 43.83	Auto	0.0000
L47	56	CCI-SFP-045100	43.75 - 43.83	Auto	0.0000
L47	84	CCI-SFP-050125	42.83 - 43.83	Auto	0.0008
L47	85	CCI-SFP-050125	42.83 - 43.83	Auto	0.0008
L47	86	CCI-SFP-050125	42.83 - 43.83	Auto	0.0008
L47	87	CCI-SFP-050125	42.83 - 43.83	Auto	0.0008
L48	31	FP 5"x0.625"	41.75 - 42.83	Auto	0.0000
L48	32	FP 5"x0.625"	41.75 - 42.83	Auto	0.0000
L48	38	FP 6"x1.25"	41.75 - 42.83	Auto	0.1617
L48	39	FP 6"x1.25"	41.75 - 42.83	Auto	0.1617
L48	40	FP 6"x1.25"	41.75 - 42.83	Auto	0.1617
L48	51	CCI-SFP-060100	41.75 - 42.83	Auto	0.1617
L48	52	CCI-SFP-060100	41.75 - 42.83	Auto	0.1617
L48	53	CCI-SFP-060100	41.75 - 42.83	Auto	0.1617
L48	84	CCI-SFP-050125	41.75 - 42.83	Auto	0.0000
L48	85	CCI-SFP-050125	41.75 - 42.83	Auto	0.0000
L48	86	CCI-SFP-050125	41.75 - 42.83	Auto	0.0000
L48	87	CCI-SFP-050125	41.75 - 42.83	Auto	0.0000
L49	31	FP 5"x0.625"	41.50 - 41.75	Auto	0.0000
L49	32	FP 5"x0.625"	41.50 - 41.75	Auto	0.0000
L49	38	FP 6"x1.25"	41.50 - 41.75	Auto	0.1659
L49	39	FP 6"x1.25"	41.50 - 41.75	Auto	0.1659
L49	40	FP 6"x1.25"	41.50 - 41.75	Auto	0.1659
L49	51	CCI-SFP-060100	41.50 - 41.75	Auto	0.1659
L49	52	CCI-SFP-060100	41.50 - 41.75	Auto	0.1659
L49	53	CCI-SFP-060100	41.50 - 41.75	Auto	0.1659
L49	84	CCI-SFP-050125	41.50 - 41.75	Auto	0.0000
L49	85	CCI-SFP-050125	41.50 - 41.75	Auto	0.0000
L49	86	CCI-SFP-050125	41.50 - 41.75	Auto	0.0000
L49	87	CCI-SFP-050125	41.50 - 41.75	Auto	0.0000
L50	31	FP 5"x0.625"	36.50 - 41.50	Auto	0.0000
L50	32	FP 5"x0.625"	36.50 - 41.50	Auto	0.0000
L50	38	FP 6"x1.25"	36.50 - 41.50	Auto	0.1460
L50	39	FP 6"x1.25"	36.50 - 41.50	Auto	0.1460

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L50	40	FP 6"x1.25"	36.50 - 41.50	Auto	0.1460
L50	51	CCI-SFP-060100	36.50 - 41.50	Auto	0.1460
L50	52	CCI-SFP-060100	36.50 - 41.50	Auto	0.1460
L50	53	CCI-SFP-060100	36.50 - 41.50	Auto	0.1460
L50	84	CCI-SFP-050125	36.50 - 41.50	Auto	0.0000
L50	85	CCI-SFP-050125	36.50 - 41.50	Auto	0.0000
L50	86	CCI-SFP-050125	36.50 - 41.50	Auto	0.0000
L50	87	CCI-SFP-050125	36.50 - 41.50	Auto	0.0000
L51	31	FP 5"x0.625"	32.75 - 36.50	Auto	0.0000
L51	32	FP 5"x0.625"	32.75 - 36.50	Auto	0.0000
L51	38	FP 6"x1.25"	32.75 - 36.50	Auto	0.1249
L51	39	FP 6"x1.25"	32.75 - 36.50	Auto	0.1249
L51	40	FP 6"x1.25"	32.75 - 36.50	Auto	0.1249
L51	51	CCI-SFP-060100	32.75 - 36.50	Auto	0.1249
L51	52	CCI-SFP-060100	32.75 - 36.50	Auto	0.1249
L51	53	CCI-SFP-060100	32.75 - 36.50	Auto	0.1249
L51	71	CCI-SFP-065125	32.75 - 35.50	Auto	0.1900
L51	72	CCI-SFP-065125	32.75 - 35.50	Auto	0.1900
L51	84	CCI-SFP-050125	35.08 - 36.50	Auto	0.0000
L51	85	CCI-SFP-050125	35.08 - 36.50	Auto	0.0000
L51	86	CCI-SFP-050125	35.58 - 36.50	Auto	0.0000
L51	87	CCI-SFP-050125	35.58 - 36.50	Auto	0.0000
L51	88	CCI-SFP-065125	32.75 - 35.00	Auto	0.1889
L51	89	CCI-SFP-065125	32.75 - 35.00	Auto	0.1889
L52	31	FP 5"x0.625"	32.50 - 32.75	Auto	0.0000
L52	32	FP 5"x0.625"	32.50 - 32.75	Auto	0.0000
L52	38	FP 6"x1.25"	32.50 - 32.75	Auto	0.1300
L52	39	FP 6"x1.25"	32.50 - 32.75	Auto	0.1300
L52	40	FP 6"x1.25"	32.50 - 32.75	Auto	0.1300
L52	51	CCI-SFP-060100	32.50 - 32.75	Auto	0.1300
L52	52	CCI-SFP-060100	32.50 - 32.75	Auto	0.1300
L52	53	CCI-SFP-060100	32.50 - 32.75	Auto	0.1300
L52	71	CCI-SFP-065125	32.50 - 32.75	Auto	0.1969
L52	72	CCI-SFP-065125	32.50 - 32.75	Auto	0.1969

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L52	88	CCI-SFP-065125	32.50 - 32.75	Auto	0.1969
L52	89	CCI-SFP-065125	32.50 - 32.75	Auto	0.1969
L53	31	FP 5"x0.625"	32.25 - 32.50	Auto	0.0000
L53	32	FP 5"x0.625"	32.25 - 32.50	Auto	0.0000
L53	38	FP 6"x1.25"	32.25 - 32.50	Auto	0.1288
L53	39	FP 6"x1.25"	32.25 - 32.50	Auto	0.1288
L53	40	FP 6"x1.25"	32.25 - 32.50	Auto	0.1288
L53	51	CCI-SFP-060100	32.25 - 32.50	Auto	0.1288
L53	52	CCI-SFP-060100	32.25 - 32.50	Auto	0.1288
L53	53	CCI-SFP-060100	32.25 - 32.50	Auto	0.1288
L53	71	CCI-SFP-065125	32.25 - 32.50	Auto	0.1958
L53	72	CCI-SFP-065125	32.25 - 32.50	Auto	0.1958
L53	88	CCI-SFP-065125	32.25 - 32.50	Auto	0.1958
L53	89	CCI-SFP-065125	32.25 - 32.50	Auto	0.1958
L54	31	FP 5"x0.625"	32.00 - 32.25	Auto	0.0000
L54	32	FP 5"x0.625"	32.00 - 32.25	Auto	0.0000
L54	38	FP 6"x1.25"	32.00 - 32.25	Auto	0.1349
L54	39	FP 6"x1.25"	32.00 - 32.25	Auto	0.1349
L54	40	FP 6"x1.25"	32.00 - 32.25	Auto	0.1349
L54	51	CCI-SFP-060100	32.00 - 32.25	Auto	0.1349
L54	52	CCI-SFP-060100	32.00 - 32.25	Auto	0.1349
L54	53	CCI-SFP-060100	32.00 - 32.25	Auto	0.1349
L54	71	CCI-SFP-065125	32.00 - 32.25	Auto	0.2015
L54	72	CCI-SFP-065125	32.00 - 32.25	Auto	0.2015
L54	88	CCI-SFP-065125	32.00 - 32.25	Auto	0.2015
L54	89	CCI-SFP-065125	32.00 - 32.25	Auto	0.2015
L55	31	FP 5"x0.625"	30.33 - 32.00	Auto	0.0000
L55	32	FP 5"x0.625"	30.33 - 32.00	Auto	0.0000
L55	35	FP 6"x1.25"	30.33 - 30.75	Auto	0.1200
L55	36	FP 6"x1.25"	30.33 - 30.75	Auto	0.1200
L55	37	FP 6"x1.25"	30.33 - 30.75	Auto	0.1200
L55	38	FP 6"x1.25"	30.33 - 32.00	Auto	0.1230
L55	39	FP 6"x1.25"	30.33 - 32.00	Auto	0.1230
L55	40	FP 6"x1.25"	30.33 - 32.00	Auto	0.1230

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L55	51	CCI-SFP-060100	30.33 - 32.00	Auto	0.1230
L55	52	CCI-SFP-060100	30.33 - 32.00	Auto	0.1230
L55	53	CCI-SFP-060100	30.33 - 32.00	Auto	0.1230
L55	71	CCI-SFP-065125	30.33 - 32.00	Auto	0.1905
L55	72	CCI-SFP-065125	30.33 - 32.00	Auto	0.1905
L55	88	CCI-SFP-065125	30.33 - 32.00	Auto	0.1905
L55	89	CCI-SFP-065125	30.33 - 32.00	Auto	0.1905
L56	31	FP 5"x0.625"	30.08 - 30.33	Auto	0.0000
L56	32	FP 5"x0.625"	30.08 - 30.33	Auto	0.0000
L56	35	FP 6"x1.25"	30.08 - 30.33	Auto	0.0891
L56	36	FP 6"x1.25"	30.08 - 30.33	Auto	0.0891
L56	37	FP 6"x1.25"	30.08 - 30.33	Auto	0.0891
L56	38	FP 6"x1.25"	30.08 - 30.33	Auto	0.0891
L56	39	FP 6"x1.25"	30.08 - 30.33	Auto	0.0891
L56	40	FP 6"x1.25"	30.08 - 30.33	Auto	0.0891
L56	51	CCI-SFP-060100	30.08 - 30.33	Auto	0.0891
L56	52	CCI-SFP-060100	30.08 - 30.33	Auto	0.0891
L56	53	CCI-SFP-060100	30.08 - 30.33	Auto	0.0891
L56	71	CCI-SFP-065125	30.08 - 30.33	Auto	0.1591
L56	72	CCI-SFP-065125	30.08 - 30.33	Auto	0.1591
L56	88	CCI-SFP-065125	30.08 - 30.33	Auto	0.1591
L56	89	CCI-SFP-065125	30.08 - 30.33	Auto	0.1591
L57	31	FP 5"x0.625"	28.25 - 30.08	Auto	0.0000
L57	32	FP 5"x0.625"	28.25 - 30.08	Auto	0.0000
L57	35	FP 6"x1.25"	28.25 - 30.08	Auto	0.0841
L57	36	FP 6"x1.25"	28.25 - 30.08	Auto	0.0841
L57	37	FP 6"x1.25"	28.25 - 30.08	Auto	0.0841
L57	38	FP 6"x1.25"	28.25 - 30.08	Auto	0.0841
L57	39	FP 6"x1.25"	28.25 - 30.08	Auto	0.0841
L57	40	FP 6"x1.25"	28.25 - 30.08	Auto	0.0841
L57	51	CCI-SFP-060100	28.25 - 30.08	Auto	0.0841
L57	52	CCI-SFP-060100	28.25 - 30.08	Auto	0.0841
L57	53	CCI-SFP-060100	28.25 - 30.08	Auto	0.0841
L57	71	CCI-SFP-065125	28.25 - 30.08	Auto	0.1545

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L57	72	CCI-SFP-065125	28.25 - 30.08	Auto	0.1545
L57	88	CCI-SFP-065125	28.25 - 30.08	Auto	0.1545
L57	89	CCI-SFP-065125	28.25 - 30.08	Auto	0.1545
L58	31	FP 5"x0.625"	28.00 - 28.25	Auto	0.0000
L58	32	FP 5"x0.625"	28.00 - 28.25	Auto	0.0000
L58	35	FP 6"x1.25"	28.00 - 28.25	Auto	0.0937
L58	36	FP 6"x1.25"	28.00 - 28.25	Auto	0.0937
L58	37	FP 6"x1.25"	28.00 - 28.25	Auto	0.0937
L58	38	FP 6"x1.25"	28.00 - 28.25	Auto	0.0937
L58	39	FP 6"x1.25"	28.00 - 28.25	Auto	0.0937
L58	40	FP 6"x1.25"	28.00 - 28.25	Auto	0.0937
L58	51	CCI-SFP-060100	28.00 - 28.25	Auto	0.0937
L58	52	CCI-SFP-060100	28.00 - 28.25	Auto	0.0937
L58	53	CCI-SFP-060100	28.00 - 28.25	Auto	0.0937
L58	71	CCI-SFP-065125	28.00 - 28.25	Auto	0.1634
L58	72	CCI-SFP-065125	28.00 - 28.25	Auto	0.1634
L58	88	CCI-SFP-065125	28.00 - 28.25	Auto	0.1634
L58	89	CCI-SFP-065125	28.00 - 28.25	Auto	0.1634
L59	31	FP 5"x0.625"	23.00 - 28.00	Auto	0.0000
L59	32	FP 5"x0.625"	23.00 - 28.00	Auto	0.0000
L59	35	FP 6"x1.25"	23.00 - 28.00	Auto	0.0738
L59	36	FP 6"x1.25"	23.00 - 28.00	Auto	0.0738
L59	37	FP 6"x1.25"	23.00 - 28.00	Auto	0.0738
L59	38	FP 6"x1.25"	27.83 - 28.00	Auto	0.0854
L59	39	FP 6"x1.25"	27.83 - 28.00	Auto	0.0854
L59	40	FP 6"x1.25"	27.83 - 28.00	Auto	0.0854
L59	51	CCI-SFP-060100	23.00 - 28.00	Auto	0.0738
L59	52	CCI-SFP-060100	23.00 - 28.00	Auto	0.0738
L59	53	CCI-SFP-060100	23.00 - 28.00	Auto	0.0738
L59	57	CCI-SFP-045100	23.00 - 27.75	Auto	0.0000
L59	58	CCI-SFP-045100	23.00 - 27.75	Auto	0.0000
L59	59	CCI-SFP-045100	23.00 - 27.75	Auto	0.0000
L59	71	CCI-SFP-065125	25.50 - 28.00	Auto	0.1506
L59	72	CCI-SFP-065125	25.50 - 28.00	Auto	0.1506

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L59	88	CCI-SFP-065125	23.00 - 28.00	Auto	0.1450
L59	89	CCI-SFP-065125	23.00 - 28.00	Auto	0.1450
L60	31	FP 5"x0.625"	19.25 - 23.00	Auto	0.0000
L60	32	FP 5"x0.625"	19.25 - 23.00	Auto	0.0000
L60	35	FP 6"x1.25"	19.25 - 23.00	Auto	0.0528
L60	36	FP 6"x1.25"	19.25 - 23.00	Auto	0.0528
L60	37	FP 6"x1.25"	19.25 - 23.00	Auto	0.0528
L60	51	CCI-SFP-060100	19.25 - 23.00	Auto	0.0528
L60	52	CCI-SFP-060100	19.25 - 23.00	Auto	0.0528
L60	53	CCI-SFP-060100	19.25 - 23.00	Auto	0.0528
L60	57	CCI-SFP-045100	19.25 - 23.00	Auto	0.0000
L60	58	CCI-SFP-045100	19.25 - 23.00	Auto	0.0000
L60	59	CCI-SFP-045100	19.25 - 23.00	Auto	0.0000
L60	88	CCI-SFP-065125	19.25 - 23.00	Auto	0.1256
L60	89	CCI-SFP-065125	19.25 - 23.00	Auto	0.1256
L61	31	FP 5"x0.625"	19.00 - 19.25	Auto	0.0000
L61	32	FP 5"x0.625"	19.00 - 19.25	Auto	0.0000
L61	35	FP 6"x1.25"	19.00 - 19.25	Auto	0.0102
L61	36	FP 6"x1.25"	19.00 - 19.25	Auto	0.0102
L61	37	FP 6"x1.25"	19.00 - 19.25	Auto	0.0102
L61	51	CCI-SFP-060100	19.00 - 19.25	Auto	0.0102
L61	52	CCI-SFP-060100	19.00 - 19.25	Auto	0.0102
L61	53	CCI-SFP-060100	19.00 - 19.25	Auto	0.0102
L61	57	CCI-SFP-045100	19.00 - 19.25	Auto	0.0000
L61	58	CCI-SFP-045100	19.00 - 19.25	Auto	0.0000
L61	59	CCI-SFP-045100	19.00 - 19.25	Auto	0.0000
L61	88	CCI-SFP-065125	19.00 - 19.25	Auto	0.0863
L61	89	CCI-SFP-065125	19.00 - 19.25	Auto	0.0863
L62	31	FP 5"x0.625"	14.50 - 19.00	Auto	0.0000
L62	32	FP 5"x0.625"	14.50 - 19.00	Auto	0.0000
L62	35	FP 6"x1.25"	14.50 - 19.00	Auto	0.0008
L62	36	FP 6"x1.25"	14.50 - 19.00	Auto	0.0008
L62	37	FP 6"x1.25"	14.50 - 19.00	Auto	0.0008
L62	51	CCI-SFP-060100	14.50 - 19.00	Auto	0.0008

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L62	52	CCI-SFP-060100	14.50 - 19.00	Auto	0.0008
L62	53	CCI-SFP-060100	14.50 - 19.00	Auto	0.0008
L62	57	CCI-SFP-045100	17.75 - 19.00	Auto	0.0000
L62	58	CCI-SFP-045100	17.75 - 19.00	Auto	0.0000
L62	59	CCI-SFP-045100	17.75 - 19.00	Auto	0.0000
L62	88	CCI-SFP-065125	14.50 - 19.00	Auto	0.0724
L62	89	CCI-SFP-065125	14.50 - 19.00	Auto	0.0724
L63	31	FP 5"x0.625"	14.25 - 14.50	Auto	0.0000
L63	32	FP 5"x0.625"	14.25 - 14.50	Auto	0.0000
L63	35	FP 6"x1.25"	14.25 - 14.50	Auto	0.1157
L63	36	FP 6"x1.25"	14.25 - 14.50	Auto	0.1157
L63	37	FP 6"x1.25"	14.25 - 14.50	Auto	0.1157
L63	51	CCI-SFP-060100	14.25 - 14.50	Auto	0.1157
L63	52	CCI-SFP-060100	14.25 - 14.50	Auto	0.1157
L63	53	CCI-SFP-060100	14.25 - 14.50	Auto	0.1157
L63	88	CCI-SFP-065125	14.25 - 14.50	Auto	0.1837
L63	89	CCI-SFP-065125	14.25 - 14.50	Auto	0.1837
L64	31	FP 5"x0.625"	12.75 - 14.25	Auto	0.0000
L64	32	FP 5"x0.625"	12.75 - 14.25	Auto	0.0000
L64	35	FP 6"x1.25"	12.75 - 14.25	Auto	0.1042
L64	36	FP 6"x1.25"	12.75 - 14.25	Auto	0.1042
L64	37	FP 6"x1.25"	12.75 - 14.25	Auto	0.1042
L64	51	CCI-SFP-060100	12.75 - 14.25	Auto	0.1042
L64	52	CCI-SFP-060100	12.75 - 14.25	Auto	0.1042
L64	53	CCI-SFP-060100	12.75 - 14.25	Auto	0.1042
L64	88	CCI-SFP-065125	12.75 - 14.25	Auto	0.1731
L64	89	CCI-SFP-065125	12.75 - 14.25	Auto	0.1731
L65	31	FP 5"x0.625"	12.50 - 12.75	Auto	0.0000
L65	32	FP 5"x0.625"	12.50 - 12.75	Auto	0.0000
L65	35	FP 6"x1.25"	12.50 - 12.75	Auto	0.0266
L65	36	FP 6"x1.25"	12.50 - 12.75	Auto	0.0266
L65	37	FP 6"x1.25"	12.50 - 12.75	Auto	0.0266
L65	51	CCI-SFP-060100	12.50 - 12.75	Auto	0.0266
L65	52	CCI-SFP-060100	12.50 - 12.75	Auto	0.0266

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L65	53	CCI-SFP-060100	12.50 - 12.75	Auto	0.0266
L65	88	CCI-SFP-065125	12.50 - 12.75	Auto	0.1015
L65	89	CCI-SFP-065125	12.50 - 12.75	Auto	0.1015
L66	31	FP 5"x0.625"	7.50 - 12.50	Auto	0.0000
L66	32	FP 5"x0.625"	7.50 - 12.50	Auto	0.0000
L66	35	FP 6"x1.25"	7.50 - 12.50	Auto	0.0073
L66	36	FP 6"x1.25"	7.50 - 12.50	Auto	0.0073
L66	37	FP 6"x1.25"	7.50 - 12.50	Auto	0.0073
L66	51	CCI-SFP-060100	7.50 - 12.50	Auto	0.0073
L66	52	CCI-SFP-060100	7.50 - 12.50	Auto	0.0073
L66	53	CCI-SFP-060100	7.50 - 12.50	Auto	0.0073
L66	88	CCI-SFP-065125	10.00 - 12.50	Auto	0.0886
L66	89	CCI-SFP-065125	10.00 - 12.50	Auto	0.0886
L67	31	FP 5"x0.625"	3.50 - 7.50	Auto	0.0000
L67	32	FP 5"x0.625"	3.50 - 7.50	Auto	0.0000
L67	35	FP 6"x1.25"	3.50 - 7.50	Auto	0.0000
L67	36	FP 6"x1.25"	3.50 - 7.50	Auto	0.0000
L67	37	FP 6"x1.25"	3.50 - 7.50	Auto	0.0000
L67	51	CCI-SFP-060100	3.50 - 7.50	Auto	0.0000
L67	52	CCI-SFP-060100	3.50 - 7.50	Auto	0.0000
L67	53	CCI-SFP-060100	3.50 - 7.50	Auto	0.0000
L68	31	FP 5"x0.625"	3.25 - 3.50	Auto	0.0000
L68	32	FP 5"x0.625"	3.25 - 3.50	Auto	0.0000
L68	35	FP 6"x1.25"	3.25 - 3.50	Auto	0.0409
L68	36	FP 6"x1.25"	3.25 - 3.50	Auto	0.0409
L68	37	FP 6"x1.25"	3.25 - 3.50	Auto	0.0409
L68	51	CCI-SFP-060100	3.25 - 3.50	Auto	0.0409
L68	52	CCI-SFP-060100	3.25 - 3.50	Auto	0.0409
L68	53	CCI-SFP-060100	3.25 - 3.50	Auto	0.0409
L69	31	FP 5"x0.625"	0.00 - 3.25	Auto	0.0000
L69	32	FP 5"x0.625"	0.00 - 3.25	Auto	0.0000
L69	35	FP 6"x1.25"	0.00 - 3.25	Auto	0.0251
L69	36	FP 6"x1.25"	0.00 - 3.25	Auto	0.0251
L69	37	FP 6"x1.25"	0.00 - 3.25	Auto	0.0251
L69	51	CCI-SFP-060100	0.00 - 3.25	Auto	0.0251
L69	52	CCI-SFP-060100	0.00 - 3.25	Auto	0.0251
L69	53	CCI-SFP-060100	0.00 - 3.25	Auto	0.0251

### Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C <sub>AA</sub> Front ft <sup>2</sup>	C <sub>AA</sub> Side ft <sup>2</sup>	Weight K	
*****									
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.00	0.0000	168.00	No Ice	11.96	5.97	0.11
			0.00			1/2" Ice	12.70	6.63	0.20
			0.00			1" Ice	13.46	7.30	0.30
DMP65R-BU8D w/ Mount Pipe	C	From Leg	4.00	0.0000	168.00	No Ice	15.89	7.89	0.14
			0.00			1/2" Ice	16.81	8.74	0.25
			0.00			1" Ice	17.76	9.60	0.38
RRUS 4415 B25	B	From Leg	4.00	0.0000	168.00	No Ice	1.64	0.68	0.04
			0.00			1/2" Ice	1.80	0.79	0.06
			1.00			1" Ice	1.97	0.91	0.07
(2) RRUS 4415 B25	C	From Leg	4.00	0.0000	168.00	No Ice	1.64	0.68	0.04
			0.00			1/2" Ice	1.80	0.79	0.06
			1.00			1" Ice	1.97	0.91	0.07



Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C <sub>A</sub> A		Weight
			Horz Lateral	Vert			Front	Side	
			ft	ft	°	ft	ft <sup>2</sup>	ft <sup>2</sup>	K
RRUS 4449 B5/B12	A	From Leg	4.00	0.0000	168.00	No Ice	1.97	1.41	0.07
			0.00			1/2" Ice	2.14	1.56	0.09
			1.00			1" Ice	2.33	1.73	0.11
(2) RRUS 4449 B5/B12	B	From Leg	4.00	0.0000	168.00	No Ice	1.97	1.41	0.07
			0.00			1/2" Ice	2.14	1.56	0.09
			1.00			1" Ice	2.33	1.73	0.11
(2) DC6-48-60-18-8F	A	From Leg	1.00	0.0000	168.00	No Ice	0.92	0.92	0.02
			0.00			1/2" Ice	1.46	1.46	0.04
			1.00			1" Ice	1.64	1.64	0.06
DC6-48-60-18-8F	C	From Leg	1.00	0.0000	168.00	No Ice	0.92	0.92	0.02
			0.00			1/2" Ice	1.46	1.46	0.04
			1.00			1" Ice	1.64	1.64	0.06
(3) RRUS E2 B29	A	From Leg	4.00	0.0000	168.00	No Ice	3.15	1.29	0.06
			0.00			1/2" Ice	3.36	1.44	0.08
			1.00			1" Ice	3.59	1.60	0.11
(3) RRUS 32 B2	C	From Leg	4.00	0.0000	168.00	No Ice	2.73	1.67	0.05
			0.00			1/2" Ice	2.95	1.86	0.07
			1.00			1" Ice	3.18	2.05	0.10
(3) RRUS 32 B30	B	From Leg	4.00	0.0000	168.00	No Ice	2.73	1.67	0.05
			0.00			1/2" Ice	2.95	1.86	0.07
			1.00			1" Ice	3.18	2.05	0.10
5' x 2" Pipe Mount	A	From Leg	4.00	0.0000	168.00	No Ice	1.19	1.19	0.02
			0.00			1/2" Ice	1.50	1.50	0.03
			0.00			1" Ice	1.81	1.81	0.04
5' x 2" Pipe Mount	A	From Leg	4.00	0.0000	168.00	No Ice	1.19	1.19	0.02
			0.00			1/2" Ice	1.50	1.50	0.03
			0.00			1" Ice	1.81	1.81	0.04
5' x 2" Pipe Mount	A	From Leg	4.00	0.0000	168.00	No Ice	1.19	1.19	0.02
			0.00			1/2" Ice	1.50	1.50	0.03
			0.00			1" Ice	1.81	1.81	0.04
Platform Mount [LP 303-1_KCKR-HR-1]	C	None		0.0000	168.00	No Ice	28.31	28.31	1.77
						1/2" Ice	35.69	35.69	2.30
						1" Ice	43.11	43.11	2.94
***									
AIR 6419 B77G w/ Mount Pipe	A	From Leg	4.00	0.0000	168.00	No Ice	4.32	2.49	0.08
			0.00			1/2" Ice	4.74	2.84	0.11
			4.00			1" Ice	5.17	3.21	0.15
AIR 6419 B77G w/ Mount Pipe	B	From Leg	4.00	0.0000	168.00	No Ice	4.32	2.49	0.08
			0.00			1/2" Ice	4.74	2.84	0.11
			4.00			1" Ice	5.17	3.21	0.15
AIR 6419 B77G w/ Mount Pipe	C	From Leg	4.00	0.0000	168.00	No Ice	4.32	2.49	0.08
			0.00			1/2" Ice	4.74	2.84	0.11
			4.00			1" Ice	5.17	3.21	0.15
MS-MBA-3.2-H4-L4 w/ Mount Pipe	B	From Leg	4.00	0.0000	168.00	No Ice	13.48	14.23	0.16
			0.00			1/2" Ice	14.22	14.98	0.31
			2.00			1" Ice	14.97	15.74	0.47
QD8616-7 w/ Mount Pipe	A	From Leg	4.00	0.0000	168.00	No Ice	16.93	9.31	0.18
			0.00			1/2" Ice	17.87	10.17	0.31
			2.00			1" Ice	18.83	11.05	0.45
QD8616-7 w/ Mount Pipe	C	From Leg	4.00	0.0000	168.00	No Ice	16.93	9.31	0.18
			0.00			1/2" Ice	17.87	10.17	0.31
			2.00			1" Ice	18.83	11.05	0.45
QD6616-7 w/ Mount Pipe	B	From Leg	4.00	0.0000	168.00	No Ice	12.56	6.93	0.16
			0.00			1/2" Ice	13.30	7.60	0.25
			2.00			1" Ice	14.06	8.28	0.36
AIR 6449 B77D w/ Mount Pipe	A	From Leg	4.00	0.0000	168.00	No Ice	3.58	2.31	0.09
			0.00			1/2" Ice	3.92	2.60	0.13
			0.00			1" Ice	4.27	2.91	0.17
AIR 6449 B77D w/ Mount Pipe	B	From Leg	4.00	0.0000	168.00	No Ice	3.58	2.31	0.09
			0.00			1/2" Ice	3.92	2.60	0.13
			0.00			1" Ice	4.27	2.91	0.17
AIR 6449 B77D w/ Mount Pipe	C	From Leg	4.00	0.0000	168.00	No Ice	3.58	2.31	0.09
			0.00			1/2" Ice	3.92	2.60	0.13
			0.00			1" Ice	4.27	2.91	0.17
DC9-48-60-24-8C-EV	B	From Leg	4.00	0.0000	168.00	No Ice	2.74	4.78	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft	C <sub>A</sub> A <sub>A</sub> Front ft <sup>2</sup>	C <sub>A</sub> A <sub>A</sub> Side ft <sup>2</sup>	Weight K	
			0.00			1/2" Ice	2.96	5.06	0.06
			2.00			1" Ice	3.20	5.35	0.10
RRUS 4426 B66	B	From Leg	4.00	0.0000	168.00	No Ice	1.64	0.73	0.05
			0.00			1/2" Ice	1.80	0.84	0.06
			2.00			1" Ice	1.97	0.97	0.08
RRUS 4426 B66	C	From Leg	4.00	0.0000	168.00	No Ice	1.64	0.73	0.05
			0.00			1/2" Ice	1.80	0.84	0.06
			2.00			1" Ice	1.97	0.97	0.08
RRUS 8843 B2/B66A	A	From Leg	4.00	0.0000	168.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			2.00			1" Ice	1.97	1.65	0.11
RRUS 8843 B2/B66A	B	From Leg	4.00	0.0000	168.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			2.00			1" Ice	1.97	1.65	0.11
RRUS 8843 B2/B66A	C	From Leg	4.00	0.0000	168.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			2.00			1" Ice	1.97	1.65	0.11
(2) DBC0051F3V51-2	A	From Leg	4.00	0.0000	168.00	No Ice	0.41	0.29	0.01
			0.00			1/2" Ice	0.50	0.37	0.02
			2.00			1" Ice	0.59	0.45	0.02
DBC0051F3V51-2	B	From Leg	4.00	0.0000	168.00	No Ice	0.41	0.29	0.01
			0.00			1/2" Ice	0.50	0.37	0.02
			2.00			1" Ice	0.59	0.45	0.02
(2) DBC0051F3V51-2	C	From Leg	4.00	0.0000	168.00	No Ice	0.41	0.29	0.01
			0.00			1/2" Ice	0.50	0.37	0.02
			2.00			1" Ice	0.59	0.45	0.02
DC6-48-60-18-8F	A	From Leg	4.00	0.0000	168.00	No Ice	0.92	0.92	0.02
			0.00			1/2" Ice	1.46	1.46	0.04
			1.00			1" Ice	1.64	1.64	0.06
*****									
***									
AIR 6419 B41_TMO w/ Mount Pipe	A	From Leg	4.00	0.0000	157.00	No Ice	6.58	3.50	0.11
			0.00			1/2" Ice	7.06	3.90	0.16
			1.00			1" Ice	7.57	4.32	0.22
AIR 6419 B41_TMO w/ Mount Pipe	B	From Leg	4.00	0.0000	157.00	No Ice	6.58	3.50	0.11
			0.00			1/2" Ice	7.06	3.90	0.16
			1.00			1" Ice	7.57	4.32	0.22
AIR 6419 B41_TMO w/ Mount Pipe	C	From Leg	4.00	0.0000	157.00	No Ice	6.58	3.50	0.11
			0.00			1/2" Ice	7.06	3.90	0.16
			1.00			1" Ice	7.57	4.32	0.22
APXVAALL24_43-U- NA20_TMO w/ Mount Pipe	A	From Leg	4.00	0.0000	157.00	No Ice	14.69	6.87	0.18
			0.00			1/2" Ice	15.46	7.55	0.31
			1.00			1" Ice	16.23	8.25	0.45
APXVAALL24_43-U- NA20_TMO w/ Mount Pipe	B	From Leg	4.00	0.0000	157.00	No Ice	14.69	6.87	0.18
			0.00			1/2" Ice	15.46	7.55	0.31
			1.00			1" Ice	16.23	8.25	0.45
APXVAALL24_43-U- NA20_TMO w/ Mount Pipe	C	From Leg	4.00	0.0000	157.00	No Ice	14.69	6.87	0.18
			0.00			1/2" Ice	15.46	7.55	0.31
			1.00			1" Ice	16.23	8.25	0.45
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.00	0.0000	157.00	No Ice	2.14	1.69	0.11
			0.00			1/2" Ice	2.32	1.85	0.13
			1.00			1" Ice	2.51	2.02	0.16
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.00	0.0000	157.00	No Ice	2.14	1.69	0.11
			0.00			1/2" Ice	2.32	1.85	0.13
			1.00			1" Ice	2.51	2.02	0.16
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.00	0.0000	157.00	No Ice	2.14	1.69	0.11
			0.00			1/2" Ice	2.32	1.85	0.13
			1.00			1" Ice	2.51	2.02	0.16
Radio 4480_TMOV2	A	From Leg	4.00	0.0000	157.00	No Ice	2.88	1.40	0.08
			0.00			1/2" Ice	3.09	1.56	0.10
			1.00			1" Ice	3.31	1.73	0.13
Radio 4480_TMOV2	B	From Leg	4.00	0.0000	157.00	No Ice	2.88	1.40	0.08
			0.00			1/2" Ice	3.09	1.56	0.10
			1.00			1" Ice	3.31	1.73	0.13
Radio 4480_TMOV2	C	From Leg	4.00	0.0000	157.00	No Ice	2.88	1.40	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C <sub>A</sub> A <sub>A</sub> Front ft <sup>2</sup>	C <sub>A</sub> A <sub>A</sub> Side ft <sup>2</sup>	Weight K	
			0.00			1/2" Ice	3.09	1.56	0.10
			1.00			1" Ice	3.31	1.73	0.13
(2) 10' x 2" Mount Pipe	A	From Leg	4.00	0.0000	157.00	No Ice	2.38	2.38	0.04
			0.00			1/2" Ice	3.40	3.40	0.05
			0.00			1" Ice	4.45	4.45	0.08
(2) 10' x 2" Mount Pipe	B	From Leg	4.00	0.0000	157.00	No Ice	2.38	2.38	0.04
			0.00			1/2" Ice	3.40	3.40	0.05
			0.00			1" Ice	4.45	4.45	0.08
(2) 10' x 2" Mount Pipe	C	From Leg	4.00	0.0000	157.00	No Ice	2.38	2.38	0.04
			0.00			1/2" Ice	3.40	3.40	0.05
			0.00			1" Ice	4.45	4.45	0.08
(2) Side Arm Mount [SO 102-3]	C	None		0.0000	157.00	No Ice	3.60	3.60	0.07
						1/2" Ice	4.18	4.18	0.10
						1" Ice	4.75	4.75	0.14
Pipe Mount [PM 601-3]	C	None		0.0000	157.00	No Ice	3.17	3.17	0.20
						1/2" Ice	3.79	3.79	0.23
						1" Ice	4.42	4.42	0.28
Sector Mount [SM 502-3]	C	None		0.0000	157.00	No Ice	29.82	29.82	1.67
						1/2" Ice	42.21	42.21	2.27
						1" Ice	54.43	54.43	3.05
*****									
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00	0.0000	147.00	No Ice	8.01	4.23	0.11
			0.00			1/2" Ice	8.52	4.69	0.19
			1.00			1" Ice	9.04	5.16	0.29
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00	0.0000	147.00	No Ice	8.01	4.23	0.11
			0.00			1/2" Ice	8.52	4.69	0.19
			1.00			1" Ice	9.04	5.16	0.29
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00	0.0000	147.00	No Ice	8.01	4.23	0.11
			0.00			1/2" Ice	8.52	4.69	0.19
			1.00			1" Ice	9.04	5.16	0.29
TA08025-B605	A	From Leg	4.00	0.0000	147.00	No Ice	1.96	1.13	0.08
			0.00			1/2" Ice	2.14	1.27	0.09
			3.00			1" Ice	2.32	1.41	0.11
TA08025-B605	B	From Leg	4.00	0.0000	147.00	No Ice	1.96	1.13	0.08
			0.00			1/2" Ice	2.14	1.27	0.09
			3.00			1" Ice	2.32	1.41	0.11
TA08025-B605	C	From Leg	4.00	0.0000	147.00	No Ice	1.96	1.13	0.08
			0.00			1/2" Ice	2.14	1.27	0.09
			3.00			1" Ice	2.32	1.41	0.11
TA08025-B604	A	From Leg	4.00	0.0000	147.00	No Ice	1.96	0.98	0.06
			0.00			1/2" Ice	2.14	1.11	0.08
			3.00			1" Ice	2.32	1.25	0.10
TA08025-B604	B	From Leg	4.00	0.0000	147.00	No Ice	1.96	0.98	0.06
			0.00			1/2" Ice	2.14	1.11	0.08
			3.00			1" Ice	2.32	1.25	0.10
TA08025-B604	C	From Leg	4.00	0.0000	147.00	No Ice	1.96	0.98	0.06
			0.00			1/2" Ice	2.14	1.11	0.08
			3.00			1" Ice	2.32	1.25	0.10
RDIDC-9181-PF-48	A	From Leg	1.00	0.0000	147.00	No Ice	2.01	1.17	0.02
			0.00			1/2" Ice	2.19	1.31	0.04
			-1.00			1" Ice	2.37	1.46	0.06
6' x 2" Mount Pipe	A	From Leg	1.00	0.0000	147.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
(2) 8' x 2" Mount Pipe	A	From Leg	4.00	0.0000	147.00	No Ice	1.90	1.90	0.03
			0.00			1/2" Ice	2.73	2.73	0.04
			0.00			1" Ice	3.40	3.40	0.06
(2) 8' x 2" Mount Pipe	B	From Leg	4.00	0.0000	147.00	No Ice	1.90	1.90	0.03
			0.00			1/2" Ice	2.73	2.73	0.04
			0.00			1" Ice	3.40	3.40	0.06
(2) 8' x 2" Mount Pipe	C	From Leg	4.00	0.0000	147.00	No Ice	1.90	1.90	0.03
			0.00			1/2" Ice	2.73	2.73	0.04
			0.00			1" Ice	3.40	3.40	0.06
Sabre C10801018-32788	C	None		0.0000	147.00	No Ice	26.80	26.80	1.51
						1/2" Ice	32.20	32.20	1.81

Description	Face or Leg	Offset Type	Offsets:			Azimuth Adjustment	Placement	C <sub>A</sub> A <sub>A</sub> Front	C <sub>A</sub> A <sub>A</sub> Side	Weight
			Horz	Lateral	Vert					
							1" Ice	37.60	37.60	2.11
*****										
NHHSS-65B-R2B	A	From Leg	4.00	0.0000	140.00	No Ice	3.97	2.38	0.07	
			0.00			1/2" Ice	4.36	2.75	0.12	
			0.00			1" Ice	4.76	3.12	0.17	
NHHSS-65B-R2B	B	From Leg	4.00	0.0000	140.00	No Ice	3.97	2.38	0.07	
			0.00			1/2" Ice	4.36	2.75	0.12	
			0.00			1" Ice	4.76	3.12	0.17	
NHHSS-65B-R2B	C	From Leg	4.00	0.0000	140.00	No Ice	3.97	2.38	0.07	
			0.00			1/2" Ice	4.36	2.75	0.12	
			0.00			1" Ice	4.76	3.12	0.17	
NHH-65B-R2B	A	From Leg	4.00	0.0000	140.00	No Ice	4.16	2.49	0.04	
			0.00			1/2" Ice	4.56	2.88	0.09	
			0.00			1" Ice	4.98	3.27	0.15	
NHH-65B-R2B	B	From Leg	4.00	0.0000	140.00	No Ice	4.16	2.49	0.04	
			0.00			1/2" Ice	4.56	2.88	0.09	
			0.00			1" Ice	4.98	3.27	0.15	
NHH-65B-R2B	C	From Leg	4.00	0.0000	140.00	No Ice	4.16	2.49	0.04	
			0.00			1/2" Ice	4.56	2.88	0.09	
			0.00			1" Ice	4.98	3.27	0.15	
MT6407-77A w/ Mount Pipe	A	From Leg	4.00	0.0000	140.00	No Ice	5.94	3.10	0.10	
			0.00			1/2" Ice	6.47	3.55	0.13	
			0.00			1" Ice	7.02	4.02	0.18	
MT6407-77A w/ Mount Pipe	B	From Leg	4.00	0.0000	140.00	No Ice	5.94	3.10	0.10	
			0.00			1/2" Ice	6.47	3.55	0.13	
			0.00			1" Ice	7.02	4.02	0.18	
MT6407-77A w/ Mount Pipe	C	From Leg	4.00	0.0000	140.00	No Ice	5.94	3.10	0.10	
			0.00			1/2" Ice	6.47	3.55	0.13	
			0.00			1" Ice	7.02	4.02	0.18	
BXA-70063/4CF w/ Mount Pipe	A	From Leg	4.00	0.0000	140.00	No Ice	4.84	3.54	0.04	
			0.00			1/2" Ice	5.35	4.03	0.08	
			0.00			1" Ice	5.88	4.53	0.12	
BXA-70063/4CF w/ Mount Pipe	B	From Leg	4.00	0.0000	140.00	No Ice	4.84	3.54	0.04	
			0.00			1/2" Ice	5.35	4.03	0.08	
			0.00			1" Ice	5.88	4.53	0.12	
BXA-70063/4CF w/ Mount Pipe	C	From Leg	4.00	0.0000	140.00	No Ice	4.84	3.54	0.04	
			0.00			1/2" Ice	5.35	4.03	0.08	
			0.00			1" Ice	5.88	4.53	0.12	
RFV01U-D1A	A	From Leg	4.00	0.0000	140.00	No Ice	1.88	1.25	0.08	
			0.00			1/2" Ice	2.05	1.39	0.10	
			1.00			1" Ice	2.22	1.54	0.12	
RFV01U-D1A	B	From Leg	4.00	0.0000	140.00	No Ice	1.88	1.25	0.08	
			0.00			1/2" Ice	2.05	1.39	0.10	
			1.00			1" Ice	2.22	1.54	0.12	
RFV01U-D1A	C	From Leg	4.00	0.0000	140.00	No Ice	1.88	1.25	0.08	
			0.00			1/2" Ice	2.05	1.39	0.10	
			1.00			1" Ice	2.22	1.54	0.12	
RFV01U-D2A	A	From Leg	4.00	0.0000	140.00	No Ice	1.88	1.01	0.07	
			0.00			1/2" Ice	2.05	1.14	0.09	
			1.00			1" Ice	2.22	1.28	0.11	
RFV01U-D2A	B	From Leg	4.00	0.0000	140.00	No Ice	1.88	1.01	0.07	
			0.00			1/2" Ice	2.05	1.14	0.09	
			1.00			1" Ice	2.22	1.28	0.11	
RFV01U-D2A	C	From Leg	4.00	0.0000	140.00	No Ice	1.88	1.01	0.07	
			0.00			1/2" Ice	2.05	1.14	0.09	
			1.00			1" Ice	2.22	1.28	0.11	
CBRS RT4401-48A	A	From Leg	4.00	0.0000	140.00	No Ice	0.99	0.50	0.02	
			0.00			1/2" Ice	1.12	0.60	0.03	
			0.00			1" Ice	1.26	0.70	0.04	
CBRS RT4401-48A	B	From Leg	4.00	0.0000	140.00	No Ice	0.99	0.50	0.02	
			0.00			1/2" Ice	1.12	0.60	0.03	
			0.00			1" Ice	1.26	0.70	0.04	
CBRS RT4401-48A	C	From Leg	4.00	0.0000	140.00	No Ice	0.99	0.50	0.02	
			0.00			1/2" Ice	1.12	0.60	0.03	
			0.00			1" Ice	1.26	0.70	0.04	

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft		C <sub>A</sub> A <sub>A</sub> Front ft <sup>2</sup>	C <sub>A</sub> A <sub>A</sub> Side ft <sup>2</sup>	Weight K
RCMDC-6627-PF-48	C	From Leg	4.00	0.0000	140.00	No Ice	4.06	3.10	0.03
			0.00			1/2" Ice	4.32	3.34	0.07
			1.00			1" Ice	4.58	3.58	0.11
Dual Antenna Mounting Kit	A	From Leg	4.00	0.0000	140.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
Dual Antenna Mounting Kit	B	From Leg	4.00	0.0000	140.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
Dual Antenna Mounting Kit	C	From Leg	4.00	0.0000	140.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
6' x 2" Mount Pipe	A	From Leg	4.00	0.0000	140.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
6' x 2" Mount Pipe	B	From Leg	4.00	0.0000	140.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
6' x 2" Mount Pipe	C	From Leg	4.00	0.0000	140.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
Platform Mount [LP 303-1_HR-1]	C	None		0.0000	140.00	No Ice	17.09	17.09	1.50
						1/2" Ice	21.47	21.47	1.88
						1" Ice	25.72	25.72	2.35
***									
(2) BSF0020F3V1	B	From Leg	4.00	0.0000	140.00	No Ice	0.96	0.29	0.02
			0.00			1/2" Ice	1.09	0.36	0.02
			0.00			1" Ice	1.22	0.45	0.03
*****									
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Leg	4.00	0.0000	128.00	No Ice	3.14	2.59	0.11
			0.00			1/2" Ice	3.45	2.88	0.16
			2.00			1" Ice	3.77	3.19	0.23
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	B	From Leg	4.00	0.0000	128.00	No Ice	3.14	2.59	0.11
			0.00			1/2" Ice	3.45	2.88	0.16
			2.00			1" Ice	3.77	3.19	0.23
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	C	From Leg	4.00	0.0000	128.00	No Ice	3.14	2.59	0.11
			0.00			1/2" Ice	3.45	2.88	0.16
			2.00			1" Ice	3.77	3.19	0.23
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	A	From Leg	4.00	0.0000	128.00	No Ice	3.14	2.59	0.11
			0.00			1/2" Ice	3.45	2.88	0.16
			2.00			1" Ice	3.77	3.19	0.22
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	B	From Leg	4.00	0.0000	128.00	No Ice	3.14	2.59	0.11
			0.00			1/2" Ice	3.45	2.88	0.16
			2.00			1" Ice	3.77	3.19	0.22
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	C	From Leg	4.00	0.0000	128.00	No Ice	3.14	2.59	0.11
			0.00			1/2" Ice	3.45	2.88	0.16
			2.00			1" Ice	3.77	3.19	0.22
KRY 112 144/1	A	From Leg	4.00	0.0000	128.00	No Ice	0.35	0.17	0.01
			0.00			1/2" Ice	0.43	0.23	0.01
			2.00			1" Ice	0.51	0.30	0.02
KRY 112 144/1	B	From Leg	4.00	0.0000	128.00	No Ice	0.35	0.17	0.01
			0.00			1/2" Ice	0.43	0.23	0.01
			2.00			1" Ice	0.51	0.30	0.02
KRY 112 144/1	C	From Leg	4.00	0.0000	128.00	No Ice	0.35	0.17	0.01
			0.00			1/2" Ice	0.43	0.23	0.01
			2.00			1" Ice	0.51	0.30	0.02
6' x 2" Mount Pipe	A	From Leg	4.00	0.0000	128.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
6' x 2" Mount Pipe	B	From Leg	4.00	0.0000	128.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
6' x 2" Mount Pipe	C	From Leg	4.00	0.0000	128.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C <sub>A</sub> A <sub>A</sub> Front ft <sup>2</sup>	C <sub>A</sub> A <sub>A</sub> Side ft <sup>2</sup>	Weight K
Platform Mount [LP 303-1]	C	None		0.0000	128.00	No Ice 14.69 1/2" Ice 18.01 1" Ice 21.34	14.69 18.01 21.34	1.25 1.57 1.94
*****								

## 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	168.5 - 163.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-10.21	-0.98	-0.36
			Max. Mx	8	-4.71	-47.15	1.28
			Max. My	14	-4.67	1.04	-47.83
			Max. Vy	20	-8.48	46.15	-1.26
			Max. Vx	14	8.68	1.04	-47.83
			Max. Torque	5			-2.48
L2	163.5 - 158.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-10.71	-0.99	-0.40
			Max. Mx	8	-5.05	-90.34	2.44
			Max. My	14	-5.01	2.21	-92.02
			Max. Vy	20	-8.80	89.35	-2.47
			Max. Vx	14	9.00	2.21	-92.02
			Max. Torque	5			-2.48
L3	158.5 - 153.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-18.95	-1.01	-0.50
			Max. Mx	8	-9.26	-155.44	3.60
			Max. My	14	-9.22	3.39	-158.17
			Max. Vy	20	-14.29	154.46	-3.75
			Max. Vx	14	14.50	3.39	-158.17
			Max. Torque	5			-2.48
L4	153.5 - 148.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-19.56	-1.02	-0.63
			Max. Mx	8	-9.72	-227.64	4.76
			Max. My	14	-9.68	4.59	-231.44
			Max. Vy	20	-14.60	226.67	-5.04
			Max. Vx	14	14.80	4.59	-231.44
			Max. Torque	5			-2.48
L5	148.5 - 143.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-24.79	-1.03	-0.54
			Max. Mx	8	-12.87	-313.75	5.99
			Max. My	14	-12.83	5.81	-318.61
			Max. Vy	20	-17.98	312.80	-6.28
			Max. Vx	14	18.21	5.81	-318.61
			Max. Torque	5			-2.47
L6	143.5 - 138.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-31.48	-0.86	-1.13
			Max. Mx	8	-16.60	-410.29	6.99
			Max. My	14	-16.56	6.95	-416.46
			Max. Vy	20	-21.94	409.26	-7.78
			Max. Vx	14	22.13	6.95	-416.46
			Max. Torque	17			2.38
L7	138.5 - 138	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-31.56	-0.86	-1.15
			Max. Mx	8	-16.68	-421.25	7.11
			Max. My	14	-16.64	7.07	-427.53
			Max. Vy	20	-21.96	420.23	-7.91
			Max. Vx	14	22.15	7.07	-427.53
			Max. Torque	17			2.20
L8	138 - 137.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-31.62	-0.86	-1.15
			Max. Mx	8	-16.73	-426.74	7.17
			Max. My	14	-16.69	7.13	-433.07
			Max. Vy	20	-21.97	425.72	-7.97
			Max. Vx	14	22.16	7.13	-433.07
			Max. Torque	17			2.20
L9	137.75 - 136.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-31.82	-0.86	-1.18
			Max. Mx	8	-16.89	-448.72	7.39

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L10	136.75 - 136.5	Pole	Max. My	14	-16.85	7.37	-455.26
			Max. Vy	20	-22.03	447.71	-8.23
			Max. Vx	14	22.22	7.37	-455.26
			Max. Torque	17			2.20
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-31.89	-0.85	-1.19
L11	136.5 - 130.667	Pole	Max. Mx	8	-16.95	-454.23	7.45
			Max. My	14	-16.92	7.44	-460.82
			Max. Vy	20	-22.04	453.22	-8.29
			Max. Vx	14	22.23	7.44	-460.82
			Max. Torque	17			2.20
			Max Tension	1	0.00	0.00	0.00
L12	130.667 - 129.327	Pole	Max. Compression	26	-32.43	-0.85	-1.26
			Max. Mx	8	-17.37	-502.26	7.95
			Max. My	14	-17.34	7.96	-509.30
			Max. Vy	20	-22.20	501.27	-8.85
			Max. Vx	14	22.38	7.96	-509.30
			Max. Torque	17			2.20
L13	129.327 - 125.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.42	-0.83	-1.42
			Max. Mx	8	-18.94	-614.30	9.10
			Max. My	14	-18.91	9.17	-622.38
			Max. Vy	20	-22.64	613.36	-10.14
			Max. Vx	14	22.82	9.17	-622.38
L14	125.75 - 125.5	Pole	Max. Torque	17			2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.30	-0.82	-1.53
			Max. Mx	8	-22.03	-700.68	9.92
			Max. My	14	-22.00	10.05	-709.51
			Max. Vy	20	-24.55	699.78	-11.07
L15	125.5 - 120.5	Pole	Max. Vx	14	24.74	10.05	-709.51
			Max. Torque	17			2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.40	-0.82	-1.54
			Max. Mx	8	-22.12	-706.81	9.98
			Max. My	14	-22.09	10.11	-715.70
L16	120.5 - 120.25	Pole	Max. Vy	20	-24.56	705.92	-11.13
			Max. Vx	14	24.75	10.11	-715.70
			Max. Torque	17			2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.31	-0.82	-1.68
			Max. Mx	8	-23.64	-830.54	11.14
L17	120.25 - 115.25	Pole	Max. My	14	-23.61	11.33	-840.47
			Max. Vy	20	-24.97	829.70	-12.44
			Max. Vx	14	25.15	11.33	-840.47
			Max. Torque	17			2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.42	-0.82	-1.69
L18	115.25 -	Pole	Max. Mx	8	-23.74	-836.78	11.20
			Max. My	14	-23.70	11.39	-846.76
			Max. Vy	20	-24.98	835.94	-12.50
			Max. Vx	14	25.16	11.39	-846.76
			Max. Torque	17			2.19
			Max Tension	1	0.00	0.00	0.00



Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
	113.833		Max. Compression	26	-44.34	-0.93	-1.78
			Max. Mx	8	-26.00	-998.84	12.73
			Max. My	14	-25.97	12.89	-1010.04
			Max. Vy	20	-25.61	997.96	-14.13
			Max. Vx	14	25.79	12.89	-1010.04
			Max. Torque	17			2.19
L19	113.833 - 113.583	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.47	-0.94	-1.79
			Max. Mx	8	-26.12	-1005.24	12.79
			Max. My	14	-26.08	12.95	-1016.49
			Max. Vy	20	-25.63	1004.36	-14.19
			Max. Vx	14	25.81	12.95	-1016.49
			Max. Torque	17			2.19
L20	113.583 - 113.333	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.60	-0.94	-1.79
			Max. Mx	8	-26.22	-1011.63	12.85
			Max. My	14	-26.18	13.00	-1022.95
			Max. Vy	20	-25.67	1010.77	-14.26
			Max. Vx	14	25.85	13.00	-1022.95
			Max. Torque	17			2.19
L21	113.333 - 113.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.72	-0.95	-1.80
			Max. Mx	8	-26.32	-1018.04	12.91
			Max. My	14	-26.28	13.06	-1029.42
			Max. Vy	20	-25.70	1017.19	-14.32
			Max. Vx	14	25.88	13.06	-1029.42
			Max. Torque	17			2.19
L22	113.083 - 112	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.28	-0.96	-1.81
			Max. Mx	8	-26.74	-1045.84	13.17
			Max. My	14	-26.70	13.31	-1057.53
			Max. Vy	20	-25.86	1045.09	-14.59
			Max. Vx	14	26.04	13.31	-1057.53
			Max. Torque	17			2.19
L23	112 - 111.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.38	-0.97	-1.82
			Max. Mx	8	-26.83	-1052.28	13.23
			Max. My	14	-26.79	13.37	-1064.04
			Max. Vy	20	-25.87	1051.55	-14.66
			Max. Vx	14	26.05	13.37	-1064.04
			Max. Torque	17			2.19
L24	111.75 - 106.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.42	-1.06	-1.89
			Max. Mx	8	-28.44	-1182.08	14.43
			Max. My	14	-28.41	14.53	-1195.25
			Max. Vy	20	-26.30	1181.88	-15.93
			Max. Vx	14	26.44	14.53	-1195.25
			Max. Torque	17			2.19
L25	106.75 - 101.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-49.43	-1.15	-1.95
			Max. Mx	20	-30.06	1314.25	-17.19
			Max. My	14	-30.06	15.70	-1328.29
			Max. Vy	20	-26.70	1314.25	-17.19
			Max. Vx	14	26.80	15.70	-1328.29
			Max. Torque	17			2.19
L26	101.75 - 98.4167	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.83	-1.24	-1.98
			Max. Mx	20	-31.17	1403.62	-18.04
			Max. My	14	-31.17	16.47	-1417.98
			Max. Vy	20	-26.97	1403.62	-18.04
			Max. Vx	14	27.03	16.47	-1417.98

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L27	98.4167 - 98.1667	Pole	Max. Torque	17			2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.96	-1.25	-1.98
			Max. Mx	20	-31.29	1410.36	-18.10
			Max. My	14	-31.29	16.52	-1424.74
			Max. Vy	20	-27.00	1410.36	-18.10
			Max. Vx	14	27.05	16.52	-1424.74
L28	98.1667 - 93.1667	Pole	Max. Torque	17			2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.62	-1.41	-2.00
			Max. Mx	20	-33.42	1546.93	-19.36
			Max. My	14	-33.41	17.68	-1561.70
			Max. Vy	20	-27.68	1546.93	-19.36
			Max. Vx	14	27.74	17.68	-1561.70
L29	93.1667 - 84.717	Pole	Max. Torque	17			2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.67	-1.50	-2.00
			Max. Mx	20	-35.10	1655.20	-20.35
			Max. My	14	-35.10	18.58	-1670.18
			Max. Vy	20	-28.04	1655.20	-20.35
			Max. Vx	14	28.06	18.58	-1670.18
L30	84.717 - 83.717	Pole	Max. Torque	17			2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.30	-1.59	-2.02
			Max. Mx	20	-38.99	1812.89	-21.77
			Max. My	14	-38.99	19.89	-1827.86
			Max. Vy	20	-28.70	1812.89	-21.77
			Max. Vx	14	28.64	19.89	-1827.86
L31	83.717 - 82.833	Pole	Max. Torque	17			2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.77	-1.58	-2.04
			Max. Mx	20	-39.38	1838.29	-22.01
			Max. My	14	-39.38	20.12	-1853.21
			Max. Vy	20	-28.77	1838.29	-22.01
			Max. Vx	14	28.71	20.12	-1853.21
L32	82.833 - 82.583	Pole	Max. Torque	17			2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.92	-1.57	-2.05
			Max. Mx	20	-39.51	1845.49	-22.08
			Max. My	14	-39.51	20.19	-1860.39
			Max. Vy	20	-28.79	1845.49	-22.08
			Max. Vx	14	28.72	20.19	-1860.39
L33	82.583 - 77.583	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.97	-1.52	-2.19
			Max. Mx	20	-42.02	1990.67	-23.44
			Max. My	14	-42.03	21.50	-2005.04
			Max. Vy	20	-29.27	1990.67	-23.44
			Max. Vx	14	29.11	21.50	-2005.04
L34	77.583 - 73.4167	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.59	-1.48	-2.32
			Max. Mx	20	-44.13	2113.42	-24.57
			Max. My	14	-44.15	22.59	-2127.02
			Max. Vy	20	-29.66	2113.42	-24.57
			Max. Vx	14	29.43	22.59	-2127.02
L35	73.4167 - 73.1667	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.77	-1.48	-2.33
			Max. Mx	20	-44.29	2120.84	-24.64

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L36	73.1667 - 72.4167	Pole	Max. My	14	-44.30	22.66	-2134.38
			Max. Vy	20	-29.67	2120.84	-24.64
			Max. Vx	14	29.45	22.66	-2134.38
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-67.31	-1.47	-2.35
			Max. Mx	20	-44.72	2143.14	-24.84
			Max. My	14	-44.73	22.85	-2156.52
			Max. Vy	20	-29.76	2143.14	-24.84
			Max. Vx	14	29.56	22.85	-2156.52
L37	72.4167 - 72.1667	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-67.46	-1.47	-2.36
			Max. Mx	20	-44.84	2150.58	-24.91
			Max. My	14	-44.86	22.92	-2163.91
			Max. Vy	20	-29.78	2150.58	-24.91
			Max. Vx	14	29.57	22.92	-2163.91
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			L38	72.1667 - 68.0833	Pole	Max. Compression	26
Max. Mx	20	-46.81				2272.97	-26.01
Max. My	14	-46.83				23.99	-2285.31
Max. Vy	20	-30.16				2272.97	-26.01
Max. Vx	14	29.87				23.99	-2285.31
Max. Torque	17						2.18
Max Tension	1	0.00				0.00	0.00
Max. Compression	26	-70.09				-1.39	-2.47
Max. Mx	20	-46.96				2280.51	-26.08
Max. My	14	-46.97				24.05	-2292.78
L39	68.0833 - 67.8333	Pole	Max. Vy	20	-30.17	2280.51	-26.08
			Max. Vx	14	29.87	24.05	-2292.78
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.59	-1.36	-2.54
			Max. Mx	20	-48.16	2348.65	-26.69
			Max. My	14	-48.18	24.64	-2360.21
			Max. Vy	20	-30.39	2348.65	-26.69
			Max. Vx	14	30.04	24.64	-2360.21
			Max. Torque	17			2.18
L40	67.8333 - 65.5833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.77	-1.36	-2.55
			Max. Mx	20	-48.32	2356.25	-26.76
			Max. My	14	-48.34	24.71	-2367.72
			Max. Vy	20	-30.39	2356.25	-26.76
			Max. Vx	14	30.05	24.71	-2367.72
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.55	-1.35	-2.58
			Max. Mx	20	-48.95	2389.24	-27.05
L41	65.5833 - 65.3333	Pole	Max. My	14	-48.97	24.99	-2400.34
			Max. Vy	20	-30.51	2389.24	-27.05
			Max. Vx	14	30.14	24.99	-2400.34
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.71	-1.35	-2.59
			Max. Mx	20	-49.08	2396.88	-27.12
			Max. My	14	-49.10	25.06	-2407.88
			Max. Vy	20	-30.52	2396.88	-27.12
			Max. Vx	14	30.15	25.06	-2407.88
L42	65.3333 - 64.25	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-75.87	-1.29	-2.73
			Max. Mx	20	-49.08	2396.88	-27.12
			Max. My	14	-49.10	25.06	-2407.88
			Max. Vy	20	-30.52	2396.88	-27.12
			Max. Vx	14	30.15	25.06	-2407.88
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-75.87	-1.29	-2.73
L43	64.25 - 64	Pole	Max. Compression	26	-72.71	-1.35	-2.59
			Max. Mx	20	-49.08	2396.88	-27.12
			Max. My	14	-49.10	25.06	-2407.88
			Max. Vy	20	-30.52	2396.88	-27.12
			Max. Vx	14	30.15	25.06	-2407.88
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.71	-1.35	-2.59
			Max. Mx	20	-49.08	2396.88	-27.12
			Max. My	14	-49.10	25.06	-2407.88
L44	64 - 59	Pole	Max. Vy	20	-30.52	2396.88	-27.12
			Max. Vx	14	30.15	25.06	-2407.88
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-75.87	-1.29	-2.73
			Max. Mx	20	-49.08	2396.88	-27.12
			Max. My	14	-49.10	25.06	-2407.88
			Max. Vy	20	-30.52	2396.88	-27.12
			Max. Vx	14	30.15	25.06	-2407.88
			Max. Torque	17			2.18

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L45	59 - 54	Pole	Max. Mx	20	-51.67	2550.58	-28.48
			Max. My	14	-51.69	26.37	-2559.56
			Max. Vy	20	-30.94	2550.58	-28.48
			Max. Vx	14	30.50	26.37	-2559.56
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-79.04	-1.24	-2.87
			Max. Mx	20	-54.28	2706.27	-29.83
			Max. My	14	-54.31	27.67	-2712.87
			Max. Vy	20	-31.33	2706.27	-29.83
L46	54 - 43.827	Pole	Max. Vx	14	30.82	27.67	-2712.87
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.17	-1.21	-3.02
			Max. Mx	20	-56.83	2858.61	-31.13
			Max. My	14	-56.85	28.93	-2862.51
			Max. Vy	20	-31.72	2858.61	-31.13
			Max. Vx	14	31.10	28.93	-2862.51
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
L47	43.827 - 42.827	Pole	Max. Compression	26	-89.14	-1.16	-3.21
			Max. Mx	20	-62.75	3061.93	-32.84
			Max. My	14	-62.78	30.58	-3061.61
			Max. Vy	20	-32.39	3061.93	-32.84
			Max. Vx	14	31.66	30.58	-3061.61
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-89.14	-1.16	-3.21
			Max. Mx	20	-62.75	3061.93	-32.84
			Max. My	14	-62.78	30.58	-3061.61
L48	42.827 - 41.75	Pole	Max. Vy	20	-32.39	3061.93	-32.84
			Max. Vx	14	31.66	30.58	-3061.61
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-89.89	-1.14	-3.24
			Max. Mx	20	-63.38	3096.85	-33.12
			Max. My	14	-63.41	30.86	-3095.74
			Max. Vy	20	-32.46	3096.85	-33.12
			Max. Vx	14	31.72	30.86	-3095.74
			Max. Torque	17			2.18
L49	41.75 - 41.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-90.07	-1.14	-3.25
			Max. Mx	20	-63.54	3104.96	-33.19
			Max. My	14	-63.57	30.93	-3103.67
			Max. Vy	20	-32.46	3104.96	-33.19
			Max. Vx	14	31.71	30.93	-3103.67
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-93.66	-1.08	-3.39
			Max. Mx	20	-66.58	3268.06	-34.53
L50	41.5 - 36.5	Pole	Max. My	14	-66.60	32.22	-3262.98
			Max. Vy	20	-32.77	3268.06	-34.53
			Max. Vx	14	31.99	32.22	-3262.98
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.38	-1.02	-3.47
			Max. Mx	20	-68.88	3391.38	-35.53
			Max. My	14	-68.90	33.19	-3383.27
			Max. Vy	20	-33.01	3391.38	-35.53
			Max. Vx	14	32.17	33.19	-3383.27
L51	36.5 - 32.75	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.57	-1.02	-3.47
			Max. Mx	20	-69.05	3399.63	-35.60
			Max. My	14	-69.07	33.26	-3391.32
			Max. Vy	20	-33.00	3399.63	-35.60
			Max. Vx	14	32.16	33.26	-3391.32
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.75	-1.01	-3.48
L52	32.75 - 32.5	Pole	Max. Mx	20	-69.21	3407.89	-35.67
			Max. My	14	-69.23	33.32	-3399.36
			Max. Vy	20	-33.02	3407.89	-35.67
			Max. Vx	14	32.17	33.32	-3399.36
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.75	-1.01	-3.48
			Max. Mx	20	-69.21	3407.89	-35.67
			Max. My	14	-69.23	33.32	-3399.36
			Max. Vy	20	-33.02	3407.89	-35.67
L53	32.5 - 32.25	Pole	Max. Vx	14	32.17	33.32	-3399.36
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.75	-1.01	-3.48
			Max. Mx	20	-69.21	3407.89	-35.67
			Max. My	14	-69.23	33.32	-3399.36

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L54	32.25 - 32	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.94	-1.01	-3.48
			Max. Mx	20	-69.37	3416.15	-35.73
			Max. My	14	-69.39	33.39	-3407.41
			Max. Vy	20	-33.03	3416.15	-35.73
			Max. Vx	14	32.18	33.39	-3407.41
L55	32 - 30.333	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-98.22	-0.98	-3.52
			Max. Mx	20	-70.43	3471.33	-36.18
			Max. My	14	-70.46	33.81	-3461.16
			Max. Vy	20	-33.17	3471.33	-36.18
			Max. Vx	14	32.29	33.81	-3461.16
L56	30.333 - 30.083	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-98.40	-0.97	-3.53
			Max. Mx	20	-70.60	3479.62	-36.24
			Max. My	14	-70.62	33.88	-3469.23
			Max. Vy	20	-33.16	3479.62	-36.24
			Max. Vx	14	32.27	33.88	-3469.23
L57	30.083 - 28.25	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-99.75	-0.94	-3.57
			Max. Mx	20	-71.68	3540.52	-36.73
			Max. My	14	-71.71	34.35	-3528.49
			Max. Vy	20	-33.31	3540.52	-36.73
			Max. Vx	14	32.39	34.35	-3528.49
L58	28.25 - 28	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-99.94	-0.93	-3.58
			Max. Mx	20	-71.87	3548.85	-36.80
			Max. My	14	-71.89	34.41	-3536.58
			Max. Vy	20	-33.29	3548.85	-36.80
			Max. Vx	14	32.35	34.41	-3536.58
L59	28 - 23	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-103.83	-0.85	-3.74
			Max. Mx	20	-75.15	3716.03	-38.12
			Max. My	14	-75.17	35.69	-3698.94
			Max. Vy	20	-33.58	3716.03	-38.12
			Max. Vx	14	32.56	35.69	-3698.94
L60	23 - 19.25	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-106.73	-0.76	-3.86
			Max. Mx	20	-77.64	3842.24	-39.11
			Max. My	14	-77.66	36.65	-3821.29
			Max. Vy	20	-33.75	3842.24	-39.11
			Max. Vx	14	32.69	36.65	-3821.29
L61	19.25 - 19	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-106.91	-0.76	-3.87
			Max. Mx	20	-77.80	3850.67	-39.17
			Max. My	14	-77.82	36.71	-3829.47
			Max. Vy	20	-33.73	3850.67	-39.17
			Max. Vx	14	32.67	36.71	-3829.47
L62	19 - 14.5	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-110.01	-0.66	-3.99
			Max. Mx	20	-80.48	4002.79	-40.34
			Max. My	14	-80.49	37.85	-3976.78
			Max. Vy	20	-33.87	4002.79	-40.34
			Max. Vx	14	32.78	37.85	-3976.78
L63	14.5 - 14.25	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-110.22	-0.65	-4.00
			Max. Mx	20	-80.67	4011.26	-40.41

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L64	14.25 - 12.75	Pole	Max. My	14	-80.68	37.91	-3984.98
			Max. Vy	20	-33.85	4011.26	-40.41
			Max. Vx	14	32.76	37.91	-3984.98
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-111.42	-0.62	-4.04
			Max. Mx	20	-81.72	4062.11	-40.80
			Max. My	14	-81.73	38.29	-4034.20
			Max. Vy	20	-33.95	4062.11	-40.80
			Max. Vx	14	32.85	38.29	-4034.20
L65	12.75 - 12.5	Pole	Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-111.61	-0.61	-4.04
			Max. Mx	20	-81.89	4070.59	-40.86
			Max. My	14	-81.90	38.35	-4042.41
			Max. Vy	20	-33.93	4070.59	-40.86
			Max. Vx	14	32.83	38.35	-4042.41
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-115.26	-0.50	-4.23
L66	12.5 - 7.5	Pole	Max. Mx	20	-85.13	4240.64	-42.15
			Max. My	14	-85.14	39.60	-4206.97
			Max. Vy	20	-34.08	4240.64	-42.15
			Max. Vx	14	32.97	39.60	-4206.97
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-118.16	-0.40	-4.43
			Max. Mx	20	-87.75	4377.12	-43.18
			Max. My	14	-87.75	40.59	-4339.03
			Max. Vy	20	-34.17	4377.12	-43.18
L67	7.5 - 3.5	Pole	Max. Vx	14	33.06	40.59	-4339.03
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-118.34	-0.40	-4.44
			Max. Mx	20	-87.93	4385.66	-43.24
			Max. My	14	-87.93	40.65	-4347.30
			Max. Vy	20	-34.16	4385.66	-43.24
			Max. Vx	14	33.04	40.65	-4347.30
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
L68	3.5 - 3.25	Pole	Max. Compression	26	-118.34	-0.40	-4.44
			Max. Mx	20	-87.93	4385.66	-43.24
			Max. My	14	-87.93	40.65	-4347.30
			Max. Vy	20	-34.16	4385.66	-43.24
			Max. Vx	14	33.04	40.65	-4347.30
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-120.78	-0.32	-4.59
			Max. Mx	20	-90.15	4496.88	-44.07
			Max. My	14	-90.15	41.45	-4454.93
L69	3.25 - 0	Pole	Max. Vy	20	-34.27	4496.88	-44.07
			Max. Vx	14	33.16	41.45	-4454.93
			Max. Torque	17			2.18
			Max. Compression	26	-120.78	-0.32	-4.59
			Max. Mx	20	-90.15	4496.88	-44.07
			Max. My	14	-90.15	41.45	-4454.93
			Max. Vy	20	-34.27	4496.88	-44.07
			Max. Vx	14	33.16	41.45	-4454.93
			Max. Torque	17			2.18
			Max Tension	1	0.00	0.00	0.00

### Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	120.78	-0.00	-0.00
	Max. H <sub>x</sub>	20	90.16	34.25	-0.22
	Max. H <sub>z</sub>	2	90.16	-0.22	32.67
	Max. M <sub>x</sub>	2	4399.79	-0.22	32.67
	Max. M <sub>z</sub>	8	4461.14	-33.93	0.22
	Max. Torsion	17	2.18	16.70	-28.86
	Min. Vert	7	67.62	-28.38	16.60
	Min. H <sub>x</sub>	8	90.16	-33.93	0.22
	Min. H <sub>z</sub>	15	67.62	0.22	-33.14
	Min. M <sub>x</sub>	14	-4454.93	0.22	-33.14
	Min. M <sub>z</sub>	20	-4496.88	34.25	-0.22
	Min. Torsion	5	-2.18	-16.51	28.53

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
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### Tower Mast Reaction Summary

Load Combination	Vertical K	Shear <sub>x</sub> K	Shear <sub>z</sub> K	Overturning Moment, M <sub>x</sub> kip-ft	Overturning Moment, M <sub>z</sub> kip-ft	Torque kip-ft
Dead Only	75.14	0.00	0.00	2.63	0.58	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	90.16	0.22	-32.67	-4399.79	-40.04	1.85
0.9 Dead+1.0 Wind 0 deg - No Ice	67.62	0.22	-32.67	-4323.49	-39.39	1.86
1.2 Dead+1.0 Wind 30 deg - No Ice	90.16	16.51	-28.53	-3840.78	-2225.38	2.16
0.9 Dead+1.0 Wind 30 deg - No Ice	67.62	16.51	-28.53	-3774.30	-2186.52	2.18
1.2 Dead+1.0 Wind 60 deg - No Ice	90.16	28.38	-16.60	-2242.31	-3818.94	1.90
0.9 Dead+1.0 Wind 60 deg - No Ice	67.62	28.38	-16.60	-2203.76	-3752.24	1.91
1.2 Dead+1.0 Wind 90 deg - No Ice	90.16	33.93	-0.22	-37.43	-4461.14	1.13
0.9 Dead+1.0 Wind 90 deg - No Ice	67.62	33.93	-0.22	-37.47	-4383.91	1.13
1.2 Dead+1.0 Wind 120 deg - No Ice	90.16	28.34	16.32	2193.99	-3805.23	0.05
0.9 Dead+1.0 Wind 120 deg - No Ice	67.62	28.34	16.32	2154.85	-3738.88	0.05
1.2 Dead+1.0 Wind 150 deg - No Ice	90.16	16.73	29.36	3899.25	-2208.24	-1.04
0.9 Dead+1.0 Wind 150 deg - No Ice	67.62	16.73	29.36	3830.70	-2170.15	-1.05
1.2 Dead+1.0 Wind 180 deg - No Ice	90.16	-0.22	33.14	4454.93	41.45	-1.85
0.9 Dead+1.0 Wind 180 deg - No Ice	67.62	-0.22	33.14	4376.27	40.47	-1.86
1.2 Dead+1.0 Wind 210 deg - No Ice	90.16	-16.70	28.86	3882.67	2247.14	-2.16
0.9 Dead+1.0 Wind 210 deg - No Ice	67.62	-16.70	28.86	3814.00	2207.69	-2.18
1.2 Dead+1.0 Wind 240 deg - No Ice	90.16	-28.60	16.73	2262.04	3843.02	-1.90
0.9 Dead+1.0 Wind 240 deg - No Ice	67.62	-28.60	16.73	2221.59	3775.71	-1.91
1.2 Dead+1.0 Wind 270 deg - No Ice	90.16	-34.25	0.22	44.07	4496.88	-1.13
0.9 Dead+1.0 Wind 270 deg - No Ice	67.62	-34.25	0.22	42.38	4418.88	-1.13
1.2 Dead+1.0 Wind 300 deg - No Ice	90.16	-28.71	-16.54	-2209.63	3845.24	-0.05
0.9 Dead+1.0 Wind 300 deg - No Ice	67.62	-28.71	-16.54	-2171.96	3778.09	-0.05
1.2 Dead+1.0 Wind 330 deg - No Ice	90.16	-16.73	-29.36	-3892.53	2209.61	1.04
0.9 Dead+1.0 Wind 330 deg - No Ice	67.62	-16.73	-29.36	-3825.73	2171.19	1.05
1.2 Dead+1.0 Ice+1.0 Temp	120.78	0.00	0.00	4.59	-0.32	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	120.78	0.04	-9.07	-1218.72	-8.52	0.35
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	120.78	4.55	-7.87	-1058.84	-615.90	0.37
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	120.78	7.84	-4.57	-613.96	-1058.44	0.29
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	120.78	9.03	-0.04	-3.18	-1217.36	0.13
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	120.78	7.80	4.50	609.72	-1050.27	-0.06

Load Combination	Vertical	Shear <sub>x</sub>	Shear <sub>z</sub>	Overturning Moment, M <sub>x</sub>	Overturning Moment, M <sub>z</sub>	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 150	120.78	4.50	7.87	1065.09	-604.48	-0.24
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	120.78	-0.04	9.07	1228.86	7.68	-0.35
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	120.78	-4.55	7.87	1068.76	615.11	-0.37
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	120.78	-7.84	4.57	623.84	1057.67	-0.29
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	120.78	-9.03	0.04	13.02	1216.66	-0.13
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	120.78	-7.80	-4.50	-600.01	1049.65	0.06
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	120.78	-4.50	-7.87	-1055.25	603.64	0.24
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	75.14	0.06	-8.24	-1096.55	-9.60	0.48
Dead+Wind 30 deg - Service	75.14	4.16	-7.19	-957.01	-555.24	0.55
Dead+Wind 60 deg - Service	75.14	7.15	-4.19	-557.89	-953.10	0.48
Dead+Wind 90 deg - Service	75.14	8.55	-0.06	-7.39	-1113.49	0.28
Dead+Wind 120 deg - Service	75.14	7.14	4.11	549.69	-949.64	0.01
Dead+Wind 150 deg - Service	75.14	4.22	7.40	975.50	-551.00	-0.27
Dead+Wind 180 deg - Service	75.14	-0.06	8.35	1114.22	10.71	-0.48
Dead+Wind 210 deg - Service	75.14	-4.21	7.28	971.37	561.45	-0.55
Dead+Wind 240 deg - Service	75.14	-7.21	4.22	566.70	959.91	-0.48
Dead+Wind 270 deg - Service	75.14	-8.63	0.06	12.92	1123.22	-0.28
Dead+Wind 300 deg - Service	75.14	-7.24	-4.17	-549.76	960.44	-0.01
Dead+Wind 330 deg - Service	75.14	-4.22	-7.40	-969.97	552.10	0.27

## 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	-75.14	0.00	0.00	75.14	0.00	0.000%
2	0.22	-90.16	-32.67	-0.22	90.16	32.67	0.000%
3	0.22	-67.62	-32.67	-0.22	67.62	32.67	0.000%
4	16.51	-90.16	-28.53	-16.51	90.16	28.53	0.000%
5	16.51	-67.62	-28.53	-16.51	67.62	28.53	0.000%
6	28.38	-90.16	-16.60	-28.38	90.16	16.60	0.000%
7	28.38	-67.62	-16.60	-28.38	67.62	16.60	0.000%
8	33.93	-90.16	-0.22	-33.93	90.16	0.22	0.000%
9	33.93	-67.62	-0.22	-33.93	67.62	0.22	0.000%
10	28.34	-90.16	16.32	-28.34	90.16	-16.32	0.000%
11	28.34	-67.62	16.32	-28.34	67.62	-16.32	0.000%
12	16.73	-90.16	29.36	-16.73	90.16	-29.36	0.000%
13	16.73	-67.62	29.36	-16.73	67.62	-29.36	0.000%
14	-0.22	-90.16	33.14	0.22	90.16	-33.14	0.000%
15	-0.22	-67.62	33.14	0.22	67.62	-33.14	0.000%
16	-16.70	-90.16	28.86	16.70	90.16	-28.86	0.000%
17	-16.70	-67.62	28.86	16.70	67.62	-28.86	0.000%
18	-28.60	-90.16	16.73	28.60	90.16	-16.73	0.000%
19	-28.60	-67.62	16.73	28.60	67.62	-16.73	0.000%
20	-34.25	-90.16	0.22	34.25	90.16	-0.22	0.000%
21	-34.25	-67.62	0.22	34.25	67.62	-0.22	0.000%
22	-28.71	-90.16	-16.54	28.71	90.16	16.54	0.000%
23	-28.71	-67.62	-16.54	28.71	67.62	16.54	0.000%
24	-16.73	-90.16	-29.36	16.73	90.16	29.36	0.000%
25	-16.73	-67.62	-29.36	16.73	67.62	29.36	0.000%



Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
26	0.00	-120.78	0.00	-0.00	120.78	-0.00	0.000%
27	0.04	-120.78	-9.07	-0.04	120.78	9.07	0.000%
28	4.55	-120.78	-7.87	-4.55	120.78	7.87	0.000%
29	7.84	-120.78	-4.57	-7.84	120.78	4.57	0.000%
30	9.03	-120.78	-0.04	-9.03	120.78	0.04	0.000%
31	7.80	-120.78	4.50	-7.80	120.78	-4.50	0.000%
32	4.50	-120.78	7.87	-4.50	120.78	-7.87	0.000%
33	-0.04	-120.78	9.07	0.04	120.78	-9.07	0.000%
34	-4.55	-120.78	7.87	4.55	120.78	-7.87	0.000%
35	-7.84	-120.78	4.57	7.84	120.78	-4.57	0.000%
36	-9.03	-120.78	0.04	9.03	120.78	-0.04	0.000%
37	-7.80	-120.78	-4.50	7.80	120.78	4.50	0.000%
38	-4.50	-120.78	-7.87	4.50	120.78	7.87	0.000%
39	0.06	-75.14	-8.24	-0.06	75.14	8.24	0.000%
40	4.16	-75.14	-7.19	-4.16	75.14	7.19	0.000%
41	7.15	-75.14	-4.19	-7.15	75.14	4.19	0.000%
42	8.55	-75.14	-0.06	-8.55	75.14	0.06	0.000%
43	7.14	-75.14	4.11	-7.14	75.14	-4.11	0.000%
44	4.22	-75.14	7.40	-4.22	75.14	-7.40	0.000%
45	-0.06	-75.14	8.35	0.06	75.14	-8.35	0.000%
46	-4.21	-75.14	7.28	4.21	75.14	-7.28	0.000%
47	-7.21	-75.14	4.22	7.21	75.14	-4.22	0.000%
48	-8.63	-75.14	0.06	8.63	75.14	-0.06	0.000%
49	-7.24	-75.14	-4.17	7.24	75.14	4.17	0.000%
50	-4.22	-75.14	-7.40	4.22	75.14	7.40	0.000%

### Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	6	0.00000001	0.00044781
3	Yes	6	0.00000001	0.00016134
4	Yes	7	0.00000001	0.00054332
5	Yes	7	0.00000001	0.00013392
6	Yes	7	0.00000001	0.00051953
7	Yes	7	0.00000001	0.00012716
8	Yes	5	0.00000001	0.00091199
9	Yes	5	0.00000001	0.00035102
10	Yes	7	0.00000001	0.00051801
11	Yes	7	0.00000001	0.00012807
12	Yes	7	0.00000001	0.00053219
13	Yes	7	0.00000001	0.00013133
14	Yes	6	0.00000001	0.00009939
15	Yes	5	0.00000001	0.00065641
16	Yes	7	0.00000001	0.00052442
17	Yes	7	0.00000001	0.00012787
18	Yes	7	0.00000001	0.00054661
19	Yes	7	0.00000001	0.00013445
20	Yes	6	0.00000001	0.00036014
21	Yes	6	0.00000001	0.00012712
22	Yes	7	0.00000001	0.00052292
23	Yes	7	0.00000001	0.00012910
24	Yes	7	0.00000001	0.00051835
25	Yes	7	0.00000001	0.00012751
26	Yes	4	0.00000001	0.00051997
27	Yes	7	0.00000001	0.00028863
28	Yes	7	0.00000001	0.00038934
29	Yes	7	0.00000001	0.00038537
30	Yes	7	0.00000001	0.00028844
31	Yes	7	0.00000001	0.00038091
32	Yes	7	0.00000001	0.00038486
33	Yes	7	0.00000001	0.00029115
34	Yes	7	0.00000001	0.00038790
35	Yes	7	0.00000001	0.00039017
36	Yes	7	0.00000001	0.00028723

37	Yes	7	0.00000001	0.00037560
38	Yes	7	0.00000001	0.00037708
39	Yes	5	0.00000001	0.00029217
40	Yes	6	0.00000001	0.00012111
41	Yes	6	0.00000001	0.00010681
42	Yes	5	0.00000001	0.00018867
43	Yes	6	0.00000001	0.00010872
44	Yes	6	0.00000001	0.00011520
45	Yes	5	0.00000001	0.00023887
46	Yes	6	0.00000001	0.00010840
47	Yes	6	0.00000001	0.00012154
48	Yes	5	0.00000001	0.00023372
49	Yes	6	0.00000001	0.00010897
50	Yes	6	0.00000001	0.00010619

### Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	168.5 - 163.5	31.971	46	1.9714	0.0122
L2	163.5 - 158.5	29.914	46	1.9546	0.0103
L3	158.5 - 153.5	27.888	46	1.9134	0.0085
L4	153.5 - 148.5	25.916	46	1.8491	0.0068
L5	148.5 - 143.5	24.025	46	1.7584	0.0053
L6	143.5 - 138.5	22.242	46	1.6446	0.0041
L7	138.5 - 138	20.589	46	1.5084	0.0029
L8	138 - 137.75	20.432	46	1.4937	0.0028
L9	137.75 - 136.75	20.354	46	1.4875	0.0028
L10	136.75 - 136.5	20.045	46	1.4628	0.0027
L11	136.5 - 130.667	19.969	46	1.4594	0.0026
L12	134.327 - 129.327	19.312	46	1.4285	0.0025
L13	129.327 - 125.75	17.837	46	1.3816	0.0022
L14	125.75 - 125.5	16.822	46	1.3254	0.0020
L15	125.5 - 120.5	16.753	46	1.3227	0.0020
L16	120.5 - 120.25	15.398	46	1.2646	0.0018
L17	120.25 - 115.25	15.332	46	1.2622	0.0018
L18	115.25 - 113.833	14.037	46	1.2104	0.0016
L19	113.833 - 113.583	13.680	46	1.1955	0.0016
L20	113.583 - 113.333	13.618	46	1.1934	0.0016
L21	113.333 - 113.083	13.556	46	1.1910	0.0015
L22	113.083 - 112	13.493	46	1.1886	0.0015
L23	112 - 111.75	13.225	46	1.1781	0.0015
L24	111.75 - 106.75	13.163	46	1.1749	0.0015
L25	106.75 - 101.75	11.968	46	1.1086	0.0013
L26	101.75 - 98.4167	10.843	46	1.0398	0.0012
L27	98.4167 - 98.1667	10.133	46	0.9924	0.0011
L28	98.1667 - 93.1667	10.082	46	0.9899	0.0011
L29	93.1667 - 84.717	9.072	46	0.9379	0.0010
L30	89.277 - 83.717	8.325	46	0.8962	0.0009
L31	83.717 - 82.833	7.301	46	0.8577	0.0008
L32	82.833 - 82.583	7.143	46	0.8469	0.0008
L33	82.583 - 77.583	7.099	46	0.8442	0.0008
L34	77.583 - 73.4167	6.244	46	0.7885	0.0007
L35	73.4167 - 73.1667	5.576	46	0.7412	0.0007
L36	73.1667 - 72.4167	5.538	46	0.7389	0.0007
L37	72.4167 - 72.1667	5.422	46	0.7322	0.0007
L38	72.1667 - 68.0833	5.384	46	0.7293	0.0007
L39	68.0833 -	4.780	46	0.6821	0.0006

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L40	67.8333 - 65.5833	4.745	46	0.6792	0.0006
L41	65.5833 - 65.3333	4.431	46	0.6533	0.0006
L42	65.3333 - 64.25	4.397	46	0.6510	0.0006
L43	64.25 - 64	4.250	46	0.6411	0.0006
L44	64 - 59	4.217	46	0.6383	0.0006
L45	59 - 54	3.577	46	0.5833	0.0005
L46	54 - 43.827	2.995	46	0.5282	0.0004
L47	49.167 - 42.827	2.488	46	0.4741	0.0004
L48	42.827 - 41.75	1.882	46	0.4340	0.0003
L49	41.75 - 41.5	1.785	46	0.4224	0.0003
L50	41.5 - 36.5	1.763	46	0.4198	0.0003
L51	36.5 - 32.75	1.352	46	0.3663	0.0003
L52	32.75 - 32.5	1.080	46	0.3267	0.0002
L53	32.5 - 32.25	1.062	46	0.3242	0.0002
L54	32.25 - 32	1.046	46	0.3217	0.0002
L55	32 - 30.333	1.029	46	0.3193	0.0002
L56	30.333 - 30.083	0.920	46	0.3028	0.0002
L57	30.083 - 28.25	0.904	46	0.3001	0.0002
L58	28.25 - 28	0.793	46	0.2803	0.0002
L59	28 - 23	0.778	46	0.2777	0.0002
L60	23 - 19.25	0.515	46	0.2251	0.0002
L61	19.25 - 19	0.354	46	0.1863	0.0001
L62	19 - 14.5	0.344	46	0.1834	0.0001
L63	14.5 - 14.25	0.196	48	0.1309	0.0001
L64	14.25 - 12.75	0.189	48	0.1290	0.0001
L65	12.75 - 12.5	0.150	48	0.1173	0.0001
L66	12.5 - 7.5	0.144	48	0.1149	0.0001
L67	7.5 - 3.5	0.050	48	0.0662	0.0000
L68	3.5 - 3.25	0.010	48	0.0279	0.0000
L69	3.25 - 0	0.009	48	0.0259	0.0000

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

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
168.00	DMP65R-BU6D w/ Mount Pipe	46	31.765	1.9702	0.0121	9432
157.00	AIR 6419 B41_TMO w/ Mount Pipe	46	27.289	1.8966	0.0080	4791
147.00	MX08FRO665-21 w/ Mount Pipe	46	23.478	1.7263	0.0050	2625
140.00	NHHSS-65B-R2B	46	21.070	1.5531	0.0033	2172
128.00	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	46	17.456	1.3606	0.0021	4168

**Maximum Tower Deflections - Design Wind**

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	168.5 - 163.5	127.734	16	7.8925	0.0482
L2	163.5 - 158.5	119.540	16	7.8249	0.0407
L3	158.5 - 153.5	111.467	16	7.6602	0.0333
L4	153.5 - 148.5	103.610	16	7.4035	0.0268
L5	148.5 - 143.5	96.073	16	7.0411	0.0210
L6	143.5 - 138.5	88.959	16	6.5863	0.0159
L7	138.5 - 138	82.363	16	6.0418	0.0116
L8	138 - 137.75	81.735	16	5.9827	0.0112
L9	137.75 - 136.75	81.424	16	5.9583	0.0110
L10	136.75 - 136.5	80.190	16	5.8595	0.0104

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L11	136.5 - 130.667	79.885	16	5.8458	0.0103
L12	134.327 - 129.327	77.260	16	5.7222	0.0096
L13	129.327 - 125.75	71.366	16	5.5350	0.0087
L14	125.75 - 125.5	67.312	16	5.3102	0.0078
L15	125.5 - 120.5	67.035	16	5.2992	0.0078
L16	120.5 - 120.25	61.620	16	5.0669	0.0069
L17	120.25 - 115.25	61.355	16	5.0571	0.0069
L18	115.25 - 113.833	56.178	16	4.8499	0.0063
L19	113.833 - 113.583	54.751	16	4.7903	0.0061
L20	113.583 - 113.333	54.501	16	4.7820	0.0061
L21	113.333 - 113.083	54.251	16	4.7722	0.0061
L22	113.083 - 112	54.002	16	4.7625	0.0060
L23	112 - 111.75	52.929	16	4.7205	0.0059
L24	111.75 - 106.75	52.682	16	4.7077	0.0059
L25	106.75 - 101.75	47.900	16	4.4423	0.0052
L26	101.75 - 98.4167	43.399	16	4.1663	0.0046
L27	98.4167 - 98.1667	40.561	16	3.9767	0.0043
L28	98.1667 - 93.1667	40.353	16	3.9666	0.0042
L29	93.1667 - 84.717	36.314	16	3.7580	0.0039
L30	89.277 - 83.717	33.324	16	3.5910	0.0036
L31	83.717 - 82.833	29.223	16	3.4366	0.0033
L32	82.833 - 82.583	28.592	16	3.3932	0.0033
L33	82.583 - 77.583	28.415	16	3.3823	0.0032
L34	77.583 - 73.4167	24.993	16	3.1591	0.0029
L35	73.4167 - 73.1667	22.321	16	2.9692	0.0027
L36	73.1667 - 72.4167	22.166	16	2.9602	0.0027
L37	72.4167 - 72.1667	21.704	16	2.9333	0.0026
L38	72.1667 - 68.0833	21.551	16	2.9218	0.0026
L39	68.0833 - 67.8333	19.135	16	2.7322	0.0024
L40	67.8333 - 65.5833	18.992	16	2.7207	0.0024
L41	65.5833 - 65.3333	17.735	16	2.6167	0.0022
L42	65.3333 - 64.25	17.598	16	2.6075	0.0022
L43	64.25 - 64	17.012	16	2.5678	0.0022
L44	64 - 59	16.878	16	2.5568	0.0022
L45	59 - 54	14.317	16	2.3363	0.0019
L46	54 - 43.827	11.988	16	2.1152	0.0017
L47	49.167 - 42.827	9.957	16	1.8986	0.0015
L48	42.827 - 41.75	7.531	16	1.7377	0.0013
L49	41.75 - 41.5	7.144	16	1.6914	0.0013
L50	41.5 - 36.5	7.056	16	1.6809	0.0013
L51	36.5 - 32.75	5.409	16	1.4665	0.0011
L52	32.75 - 32.5	4.320	20	1.3078	0.0009
L53	32.5 - 32.25	4.252	20	1.2978	0.0009
L54	32.25 - 32	4.185	20	1.2877	0.0009
L55	32 - 30.333	4.117	20	1.2780	0.0009
L56	30.333 - 30.083	3.683	20	1.2120	0.0009
L57	30.083 - 28.25	3.620	20	1.2011	0.0009
L58	28.25 - 28	3.174	20	1.1219	0.0008
L59	28 - 23	3.116	20	1.1115	0.0008
L60	23 - 19.25	2.063	20	0.9010	0.0006
L61	19.25 - 19	1.416	20	0.7457	0.0005
L62	19 - 14.5	1.378	20	0.7341	0.0005
L63	14.5 - 14.25	0.785	20	0.5243	0.0003
L64	14.25 - 12.75	0.757	20	0.5166	0.0003
L65	12.75 - 12.5	0.603	20	0.4699	0.0003
L66	12.5 - 7.5	0.578	20	0.4603	0.0003

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L67	7.5 - 3.5	0.199	20	0.2652	0.0002
L68	3.5 - 3.25	0.041	20	0.1115	0.0001
L69	3.25 - 0	0.035	20	0.1037	0.0001

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

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
168.00	DMP65R-BU6D w/ Mount Pipe	16	126.913	7.8878	0.0481	2502
157.00	AIR 6419 B41_TMO w/ Mount Pipe	16	109.083	7.5930	0.0317	1253
147.00	MX08FRO665-21 w/ Mount Pipe	16	93.890	6.9130	0.0197	679
140.00	NHHSS-65B-R2B	16	84.282	6.2202	0.0130	558
128.00	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	16	69.843	5.4507	0.0085	1063

### Compression Checks

### Pole Design Data

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	KI/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>n</sub> K	Ratio P <sub>u</sub> / φP <sub>n</sub>
L1	168.5 - 163.5 (1)	TP19.8343x19x0.1875	5.00	0.00	0.0	11.692 3	-4.65	684.00	0.007
L2	163.5 - 158.5 (2)	TP20.6685x19.8343x0.1875	5.00	0.00	0.0	12.188 8	-4.98	713.04	0.007
L3	158.5 - 153.5 (3)	TP21.5028x20.6685x0.1875	5.00	0.00	0.0	12.685 3	-9.19	742.09	0.012
L4	153.5 - 148.5 (4)	TP22.337x21.5028x0.1875	5.00	0.00	0.0	13.181 7	-9.66	771.13	0.013
L5	148.5 - 143.5 (5)	TP23.1713x22.337x0.1875	5.00	0.00	0.0	13.678 2	-12.80	800.18	0.016
L6	143.5 - 138.5 (6)	TP24.0056x23.1713x0.1875	5.00	0.00	0.0	14.174 7	-16.53	829.22	0.020
L7	138.5 - 138 (7)	TP24.089x24.0056x0.1875	0.50	0.00	0.0	14.224 4	-16.61	832.12	0.020
L8	138 - 137.75 (8)	TP24.1307x24.089x0.2313	0.25	0.00	0.0	17.541 9	-16.66	1026.20	0.016
L9	137.75 - 136.75 (9)	TP24.2975x24.1307x0.2313	1.00	0.00	0.0	17.664 4	-16.82	1033.36	0.016
L10	136.75 - 136.5 (10)	TP24.3393x24.2975x0.4375	0.25	0.00	0.0	33.190 6	-16.88	1941.65	0.009
L11	136.5 - 130.667 (11)	TP25.3125x24.3393x0.4375	5.83	0.00	0.0	33.694 0	-17.31	1971.10	0.009
L12	130.667 - 129.327 (12)	TP25.1499x24.3268x0.4938	5.00	0.00	0.0	38.640 2	-18.87	2260.45	0.008
L13	129.327 - 125.75 (13)	TP25.7388x25.1499x0.4875	3.58	0.00	0.0	39.071 9	-21.97	2285.71	0.010
L14	125.75 - 125.5 (14)	TP25.7799x25.7388x0.7375	0.25	0.00	0.0	58.619 9	-22.06	3429.26	0.006
L15	125.5 - 120.5 (15)	TP26.6029x25.7799x0.725	5.00	0.00	0.0	59.548 9	-23.58	3483.61	0.007
L16	120.5 - 120.25 (16)	TP26.6441x26.6029x0.95	0.25	0.00	0.0	73.540 5	-23.67	4302.12	0.006
L17	120.25 - 115.25 (17)	TP27.4671x26.6441x0.875	5.00	0.00	0.0	73.853 0	-25.44	4320.40	0.006
L18	115.25 - 113.833 (18)	TP27.7004x27.4671x0.875	1.42	0.00	0.0	74.500 8	-25.94	4358.29	0.006

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>n</sub> K	Ratio P <sub>u</sub> / φP <sub>n</sub>
L19	113.833 - 113.583 (19)	TP27.7415x27.7004x1.15	0.25	0.00	0.0	97.061	-26.05	5678.11	0.005
L20	113.583 - 113.333 (20)	TP27.7827x27.7415x0.97	0.25	0.00	0.0	82.960	-26.15	4853.18	0.005
L21	113.333 - 113.083 (21)	TP27.8238x27.7827x0.97	0.25	0.00	0.0	83.087	-26.25	4860.63	0.005
L22	113.083 - 112 (22)	TP28.0021x27.8238x0.97	1.08	0.00	0.0	83.639	-26.67	4892.91	0.005
L23	112 - 111.75 (23)	TP28.0433x28.0021x0.72	0.25	0.00	0.0	62.863	-26.76	3677.51	0.007
L24	111.75 - 106.75 (24)	TP28.8663x28.0433x0.71	5.00	0.00	0.0	63.669	-28.38	3724.65	0.008
L25	106.75 - 101.75 (25)	TP29.6894x28.8663x0.7	5.00	0.00	0.0	64.408	-30.03	3767.90	0.008
L26	101.75 - 98.4167 (26)	TP30.2381x29.6894x0.68	3.33	0.00	0.0	64.483	-31.14	3772.26	0.008
L27	98.4167 - 98.1667 (27)	TP30.2792x30.2381x1	0.25	0.00	0.0	92.932	-31.26	5436.54	0.006
L28	98.1667 - 93.1667 (28)	TP31.1023x30.2792x0.97	5.00	0.00	0.0	93.233	-33.39	5454.15	0.006
L29	93.1667 - 84.717 (29)	TP32.4932x31.1023x0.95	8.45	0.00	0.0	92.848	-35.07	5431.66	0.006
L30	84.717 - 83.717 (30)	TP32.1551x31.2426x0.86	5.56	0.00	0.0	85.665	-38.97	5011.45	0.008
L31	83.717 - 82.833 (31)	TP32.3002x32.1551x0.86	0.88	0.00	0.0	86.063	-39.36	5034.69	0.008
L32	82.833 - 82.583 (32)	TP32.3412x32.3002x0.98	0.25	0.00	0.0	98.272	-39.49	5748.96	0.007
L33	82.583 - 77.583 (33)	TP33.1619x32.3412x0.96	5.00	0.00	0.0	98.368	-42.01	5754.54	0.007
L34	77.583 - 73.4167 (34)	TP33.8457x33.1619x0.93	4.17	0.00	0.0	97.922	-44.13	5728.46	0.008
L35	73.4167 - 73.1667 (35)	TP33.8867x33.8457x1.21	0.25	0.00	0.0	125.74	-44.28	7356.13	0.006
L36	73.1667 - 72.4167 (36)	TP34.0098x33.8867x1.21	0.75	0.00	0.0	126.22	-44.71	7383.84	0.006
L37	72.4167 - 72.1667 (37)	TP34.0508x34.0098x0.92	0.25	0.00	0.0	97.255	-44.84	5689.46	0.008
L38	72.1667 - 68.0833 (38)	TP34.721x34.0508x0.912	4.08	0.00	0.0	97.918	-46.81	5728.25	0.008
L39	68.0833 - 67.8333 (39)	TP34.762x34.721x0.9125	0.25	0.00	0.0	98.037	-46.96	5735.20	0.008
L40	67.8333 - 65.5833 (40)	TP35.1313x34.762x0.912	2.25	0.00	0.0	99.107	-48.16	5797.77	0.008
L41	65.5833 - 65.3333 (41)	TP35.1724x35.1313x1.16	0.25	0.00	0.0	125.48	-48.32	7341.09	0.007
L42	65.3333 - 64.25 (42)	TP35.3502x35.1724x1.16	1.08	0.00	0.0	126.14	-48.95	7379.47	0.007
L43	64.25 - 64 (43)	TP35.3912x35.3502x0.96	0.25	0.00	0.0	105.17	-49.09	6152.96	0.008
L44	64 - 59 (44)	TP36.2118x35.3912x0.95	5.00	0.00	0.0	106.32	-51.67	6220.01	0.008
L45	59 - 54 (45)	TP37.0324x36.2118x0.93	5.00	0.00	0.0	107.40	-54.29	6283.19	0.009
L46	54 - 43.827 (46)	TP38.7021x37.0324x0.91	10.17	0.00	0.0	106.91	-56.84	6254.28	0.009
L47	43.827 - 42.827 (47)	TP38.2386x37.2007x0.97	6.34	0.00	0.0	115.31	-62.76	6746.09	0.009
L48	42.827 - 41.75 (48)	TP38.4149x38.2386x0.97	1.08	0.00	0.0	115.86	-63.39	6778.01	0.009
L49	41.75 - 41.5 (49)	TP38.4559x38.4149x1	0.25	0.00	0.0	118.88	-63.55	6954.77	0.009
L50	41.5 - 36.5 (50)	TP39.2744x38.4559x0.97	5.00	0.00	0.0	118.52	-66.59	6933.62	0.010
L51	36.5 - 32.75 (51)	TP39.8884x39.2744x0.97	3.75	0.00	0.0	120.42	-68.89	7044.76	0.010
L52	32.75 - 32.5 (52)	TP39.9293x39.8884x1.02	0.25	0.00	0.0	126.56	-69.06	7404.30	0.009
L53	32.5 - 32.25	TP39.9702x39.9293x1.02	0.25	0.00	0.0	126.70	-69.22	7412.09	0.009

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>n</sub> K	Ratio P <sub>u</sub> / φP <sub>n</sub>
L54	(53) 32.25 - 32	5 TP40.0111x39.9702x1.05	0.25	0.00	0.0	20 129.84	-69.38	7595.98	0.009
L55	(54) 32 - 30.333	5 TP40.2841x40.0111x1.02	1.67	0.00	0.0	60 127.72	-70.45	7471.82	0.009
L56	(55) 30.333 - 30.083 (56)	5 TP40.325x40.2841x0.925	0.25	0.00	0.0	30 115.67	-70.61	6767.07	0.010
L57	(56) 30.083 - 28.25 (57)	5 TP40.6251x40.325x0.925	1.83	0.00	0.0	60 116.55	-71.70	6818.61	0.011
L58	(57) 28.25 - 28	5 TP40.666x40.6251x0.975	0.25	0.00	0.0	70 122.83	-71.88	7185.54	0.010
L59	(58) 28 - 23 (59)	5 TP41.4846x40.666x0.95	5.00	0.00	0.0	00 122.22	-75.17	7150.10	0.011
L60	(59) 23 - 19.25	5 TP42.0985x41.4846x0.95	3.75	0.00	0.0	40 124.07	-77.65	7258.39	0.011
L61	(60) 19.25 - 19	5 TP42.1394x42.0985x0.83	0.25	0.00	0.0	50 109.79	-77.81	6422.70	0.012
L62	(61) 19 - 14.5 (62)	75 TP42.8761x42.1394x0.82	4.50	0.00	0.0	00 110.11	-80.49	6441.61	0.012
L63	(62) 14.5 - 14.25	5 TP42.9171x42.8761x1.27	0.25	0.00	0.0	30 168.51	-80.68	9858.38	0.008
L64	(63) 14.25 - 12.75	5 TP43.1626x42.9171x1.25	1.50	0.00	0.0	90 166.28	-81.73	9727.87	0.008
L65	(64) 12.75 - 12.5	5 TP43.2036x43.1626x1	0.25	0.00	0.0	80 133.95	-81.89	7836.32	0.010
L66	(65) 12.5 - 7.5 (66)	5 TP44.0221x43.2036x0.97	5.00	0.00	0.0	40 133.21	-85.13	7793.13	0.011
L67	(66) 7.5 - 3.5 (67)	5 TP44.677x44.0221x0.975	4.00	0.00	0.0	60 135.24	-87.75	7911.68	0.011
L68	(67) 3.5 - 3.25 (68)	5 TP44.7179x44.677x1.2	0.25	0.00	0.0	20 165.75	-87.93	9696.44	0.009
L69	(68) 3.25 - 0 (69)	5 TP45.25x44.7179x1.175	3.25	0.00	0.0	10 164.37	-90.15	9615.97	0.009
						60			

### Pole Bending Design Data

Section No.	Elevation ft	Size	M <sub>ux</sub> kip-ft	φM <sub>nx</sub> kip-ft	Ratio M <sub>ux</sub> / φM <sub>nx</sub>	M <sub>uy</sub> kip-ft	φM <sub>ny</sub> kip-ft	Ratio M <sub>uy</sub> / φM <sub>ny</sub>
L1	168.5 - 163.5 (1)	TP19.8343x19x0.1875	48.68	341.82	0.142	0.00	341.82	0.000
L2	163.5 - 158.5 (2)	TP20.6685x19.8343x0.1875	93.61	367.36	0.255	0.00	367.36	0.000
L3	158.5 - 153.5 (3)	TP21.5028x20.6685x0.1875	160.44	393.44	0.408	0.00	393.44	0.000
L4	153.5 - 148.5 (4)	TP22.337x21.5028x0.1875	234.38	420.00	0.558	0.00	420.00	0.000
L5	148.5 - 143.5 (5)	TP23.1713x22.337x0.1875	322.36	447.02	0.721	0.00	447.02	0.000
L6	143.5 - 138.5 (6)	TP24.0056x23.1713x0.1875	420.86	474.44	0.887	0.00	474.44	0.000
L7	138.5 - 138 (7)	TP24.089x24.0056x0.1875	432.00	477.20	0.905	0.00	477.20	0.000
L8	138 - 137.75 (8)	TP24.1307x24.089x0.231	437.58	626.06	0.699	0.00	626.06	0.000
L9	137.75 - 136.75 (9)	TP24.2975x24.1307x0.231	459.93	633.70	0.726	0.00	633.70	0.000
L10	136.75 - 136.5 (10)	TP24.3393x24.2975x0.43	465.53	1199.55	0.388	0.00	1199.55	0.000
L11	136.5 - 130.667 (11)	TP25.3125x24.3393x0.43	514.36	1236.55	0.416	0.00	1236.55	0.000
L12	130.667 - 129.327 (12)	TP25.1499x24.3268x0.49	628.24	1438.15	0.437	0.00	1438.15	0.000
L13	129.327 - 125.75 (13)	TP25.7388x25.1499x0.48	715.94	1490.38	0.480	0.00	1490.38	0.000

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 $\frac{M_{uy}}{\phi M_{ny}}$
L14	125.75 - 125.5 (14)	TP25.7799x25.7388x0.7375	722.17	2195.68	0.329	0.00	2195.68	0.000
L15	125.5 - 120.5 (15)	TP26.6029x25.7799x0.725	847.73	2308.10	0.367	0.00	2308.10	0.000
L16	120.5 - 120.25 (16)	TP26.6441x26.6029x0.9	854.07	2816.64	0.303	0.00	2816.64	0.000
L17	120.25 - 115.25 (17)	TP27.4671x26.6441x0.875	981.77	2927.61	0.335	0.00	2927.61	0.000
L18	115.25 - 113.833 (18)	TP27.7004x27.4671x0.875	1018.39	2980.02	0.342	0.00	2980.02	0.000
L19	113.833 - 113.583 (19)	TP27.7415x27.7004x1.15	1024.88	3809.40	0.269	0.00	3809.40	0.000
L20	113.583 - 113.333 (20)	TP27.7827x27.7415x0.975	1031.38	3304.21	0.312	0.00	3304.21	0.000
L21	113.333 - 113.083 (21)	TP27.8238x27.7827x0.975	1037.88	3314.53	0.313	0.00	3314.53	0.000
L22	113.083 - 112 (22)	TP28.0021x27.8238x0.975	1066.17	3359.47	0.317	0.00	3359.47	0.000
L23	112 - 111.75 (23)	TP28.0433x28.0021x0.725	1072.72	2575.89	0.416	0.00	2575.89	0.000
L24	111.75 - 106.75 (24)	TP28.8663x28.0433x0.7125	1204.73	2691.93	0.448	0.00	2691.93	0.000
L25	106.75 - 101.75 (25)	TP29.6894x28.8663x0.7	1338.57	2807.19	0.477	0.00	2807.19	0.000
L26	101.75 - 98.4167 (26)	TP30.2381x29.6894x0.6875	1428.78	2867.32	0.498	0.00	2867.32	0.000
L27	98.4167 - 98.1667 (27)	TP30.2792x30.2381x1	1435.58	4051.28	0.354	0.00	4051.28	0.000
L28	98.1667 - 93.1667 (28)	TP31.1023x30.2792x0.975	1573.33	4189.39	0.376	0.00	4189.39	0.000
L29	93.1667 - 84.717 (29)	TP32.4932x31.1023x0.95	1682.42	4270.50	0.394	0.00	4270.50	0.000
L30	84.717 - 83.717 (30)	TP32.1551x31.2426x0.8625	1840.98	4016.93	0.458	0.00	4016.93	0.000
L31	83.717 - 82.833 (31)	TP32.3002x32.1551x0.8625	1866.49	4054.76	0.460	0.00	4054.76	0.000
L32	82.833 - 82.583 (32)	TP32.3412x32.3002x0.9875	1873.72	4599.47	0.407	0.00	4599.47	0.000
L33	82.583 - 77.583 (33)	TP33.1619x32.3412x0.9625	2019.22	4735.47	0.426	0.00	4735.47	0.000
L34	77.583 - 73.4167 (34)	TP33.8457x33.1619x0.9375	2141.98	4824.34	0.444	0.00	4824.34	0.000
L35	73.4167 - 73.1667 (35)	TP33.8867x33.8457x1.2125	2149.39	6099.95	0.352	0.00	6099.95	0.000
L36	73.1667 - 72.4167 (36)	TP34.0098x33.8867x1.2125	2171.67	6146.82	0.353	0.00	6146.82	0.000
L37	72.4167 - 72.1667 (37)	TP34.0508x34.0098x0.925	2179.10	4825.84	0.452	0.00	4825.84	0.000
L38	72.1667 - 68.0833 (38)	TP34.721x34.0508x0.9125	2301.19	4963.38	0.464	0.00	4963.38	0.000
L39	68.0833 - 67.8333 (39)	TP34.762x34.721x0.9125	2308.71	4975.59	0.464	0.00	4975.59	0.000
L40	67.8333 - 65.5833 (40)	TP35.1313x34.762x0.9125	2376.56	5086.19	0.467	0.00	5086.19	0.000
L41	65.5833 - 65.3333 (41)	TP35.1724x35.1313x1.1625	2384.12	6354.26	0.375	0.00	6354.26	0.000
L42	65.3333 - 64.25 (42)	TP35.3502x35.1724x1.1625	2416.97	6421.97	0.376	0.00	6421.97	0.000
L43	64.25 - 64 (43)	TP35.3912x35.3502x0.9625	2424.56	5424.07	0.447	0.00	5424.07	0.000
L44	64 - 59 (44)	TP36.2118x35.3912x0.95	2577.32	5621.43	0.458	0.00	5621.43	0.000
L45	59 - 54 (45)	TP37.0324x36.2118x0.9375	2731.73	5818.17	0.470	0.00	5818.17	0.000
L46	54 - 43.827 (46)	TP38.7021x37.0324x0.9125	2882.46	5929.93	0.486	0.00	5929.93	0.000
L47	43.827 - 42.827 (47)	TP38.2386x37.2007x0.975	3083.01	6447.87	0.478	0.00	6447.87	0.000
L48	42.827 - 41.75 (48)	TP38.4149x38.2386x0.975	3117.39	6509.82	0.479	0.00	6509.82	0.000



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 $\frac{M_{uy}}{\phi M_{ny}}$
L49	41.75 - 41.5 (49)	TP38.4559x38.4149x1	3125.38	6678.14	0.468	0.00	6678.14	0.000
L50	41.5 - 36.5 (50)	TP39.2744x38.4559x0.97 5	3285.85	6816.02	0.482	0.00	6816.02	0.000
L51	36.5 - 32.75 (51)	TP39.8884x39.2744x0.97 5	3407.01	7039.04	0.484	0.00	7039.04	0.000
L52	32.75 - 32.5 (52)	TP39.9293x39.8884x1.02 5	3415.11	7387.27	0.462	0.00	7387.27	0.000
L53	32.5 - 32.25 (53)	TP39.9702x39.9293x1.02 5	3423.22	7403.02	0.462	0.00	7403.02	0.000
L54	32.25 - 32 (54)	TP40.0111x39.9702x1.05	3431.32	7585.13	0.452	0.00	7585.13	0.000
L55	32 - 30.333 (55)	TP40.2841x40.0111x1.02 5	3485.45	7524.36	0.463	0.00	7524.36	0.000
L56	30.333 - 30.083 (56)	TP40.325x40.2841x0.925	3493.58	6856.69	0.510	0.00	6856.69	0.000
L57	30.083 - 28.25 (57)	TP40.6251x40.325x0.925	3553.26	6962.75	0.510	0.00	6962.75	0.000
L58	28.25 - 28 (58)	TP40.666x40.6251x0.975	3561.41	7326.70	0.486	0.00	7326.70	0.000
L59	28 - 23 (59)	TP41.4846x40.666x0.95	3724.91	7453.72	0.500	0.00	7453.72	0.000
L60	23 - 19.25 (60)	TP42.0985x41.4846x0.95	3848.12	7683.83	0.501	0.00	7683.83	0.000
L61	19.25 - 19 (61)	TP42.1394x42.0985x0.83 75	3856.35	6843.31	0.564	0.00	6843.31	0.000
L62	19 - 14.5 (62)	TP42.8761x42.1394x0.82 5	4004.68	6992.47	0.573	0.00	6992.47	0.000
L63	14.5 - 14.25 (63)	TP42.9171x42.8761x1.27 5	4012.93	10484.25	0.383	0.00	10484.25	0.000
L64	14.25 - 12.75 (64)	TP43.1626x42.9171x1.25	4062.50	10420.67	0.390	0.00	10420.67	0.000
L65	12.75 - 12.5 (65)	TP43.2036x43.1626x1	4070.80	8503.25	0.479	0.00	8503.25	0.000
L66	12.5 - 7.5 (66)	TP44.0221x43.2036x0.97 5	4240.85	8634.25	0.491	0.00	8634.25	0.000
L67	7.5 - 3.5 (67)	TP44.677x44.0221x0.975	4377.33	8901.92	0.492	0.00	8901.92	0.000
L68	3.5 - 3.25 (68)	TP44.7179x44.677x1.2	4385.88	10808.42	0.406	0.00	10808.42	0.000
L69	3.25 - 0 (69)	TP45.25x44.7179x1.175	4497.09	10865.67	0.414	0.00	10865.67	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	168.5 - 163.5 (1)	TP19.8343x19x0.1875	8.83	205.20	0.043	2.47	353.06	0.007
L2	163.5 - 158.5 (2)	TP20.6685x19.8343x0.18 75	9.15	213.91	0.043	2.47	383.68	0.006
L3	158.5 - 153.5 (3)	TP21.5028x20.6685x0.18 75	14.65	222.63	0.066	2.47	415.57	0.006
L4	153.5 - 148.5 (4)	TP22.337x21.5028x0.187 5	14.95	231.34	0.065	2.46	448.74	0.005
L5	148.5 - 143.5 (5)	TP23.1713x22.337x0.187 5	18.35	240.05	0.076	2.37	483.18	0.005
L6	143.5 - 138.5 (6)	TP24.0056x23.1713x0.18 75	22.29	248.77	0.090	2.19	518.89	0.004
L7	138.5 - 138 (7)	TP24.089x24.0056x0.187 5	22.31	249.64	0.089	2.19	522.53	0.004
L8	138 - 137.75 (8)	TP24.1307x24.089x0.231 3	22.32	307.86	0.072	2.19	644.35	0.003
L9	137.75 - 136.75 (9)	TP24.2975x24.1307x0.23 13	22.38	310.01	0.072	2.18	653.38	0.003
L10	136.75 - 136.5 (10)	TP24.3393x24.2975x0.43 75	22.39	582.50	0.038	2.18	1219.28	0.002
L11	136.5 -	TP25.3125x24.3393x0.43	22.54	591.33	0.038	2.18	1256.55	0.002

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 $\frac{T_u}{\phi T_n}$
L12	130.667 (11)	75						
	130.667 -	TP25.1499x24.3268x0.49	22.98	678.13	0.034	2.18	1464.27	0.001
	129.327 (12)	38						
L13	129.327 -	TP25.7388x25.1499x0.48	24.90	685.71	0.036	2.18	1516.37	0.001
	125.75 (13)	75						
L14	125.75 -	TP25.7799x25.7388x0.73	24.92	1028.78	0.024	2.18	2256.20	0.001
	125.5 (14)	75						
L15	125.5 - 120.5	TP26.6029x25.7799x0.72	25.31	1045.08	0.024	2.18	2368.43	0.001
	(15)	5						
L16	120.5 -	TP26.6441x26.6029x0.9	25.33	1290.64	0.020	2.18	2909.78	0.001
	120.25 (16)							
L17	120.25 -	TP27.4671x26.6441x0.87	25.77	1296.12	0.020	2.18	3018.41	0.001
	115.25 (17)	5						
L18	115.25 -	TP27.7004x27.4671x0.87	25.96	1307.49	0.020	2.18	3071.59	0.001
	113.833 (18)	5						
L19	113.833 -	TP27.7415x27.7004x1.15	25.99	1703.43	0.015	2.18	3966.88	0.001
	113.583 (19)							
L20	113.583 -	TP27.7827x27.7415x0.97	26.02	1455.95	0.018	2.18	3418.12	0.001
	113.333 (20)	5						
L21	113.333 -	TP27.8238x27.7827x0.97	26.06	1458.19	0.018	2.18	3428.62	0.001
	113.083 (21)	5						
L22	113.083 - 112	TP28.0021x27.8238x0.97	26.21	1467.87	0.018	2.18	3474.30	0.001
	(22)	5						
L23	112 - 111.75	TP28.0433x28.0021x0.72	26.23	1103.25	0.024	2.18	2639.42	0.001
	(23)	5						
L24	111.75 -	TP28.8663x28.0433x0.71	26.60	1117.39	0.024	2.18	2755.01	0.001
	106.75 (24)	25						
L25	106.75 -	TP29.6894x28.8663x0.7	26.96	1130.37	0.024	2.18	2869.72	0.001
	101.75 (25)							
L26	101.75 -	TP30.2381x29.6894x0.68	27.20	1131.68	0.024	2.18	2928.66	0.001
	98.4167 (26)	75						
L27	98.4167 -	TP30.2792x30.2381x1	27.23	1630.96	0.017	2.18	4181.99	0.001
	98.1667 (27)							
L28	98.1667 -	TP31.1023x30.2792x0.97	27.90	1636.25	0.017	2.17	4317.07	0.001
	93.1667 (28)	5						
L29	93.1667 -	TP32.4932x31.1023x0.95	28.22	1629.50	0.017	2.17	4394.20	0.000
	84.717 (29)							
L30	84.717 -	TP32.1551x31.2426x0.86	28.81	1503.44	0.019	2.17	4120.09	0.001
	83.717 (30)	25						
L31	83.717 -	TP32.3002x32.1551x0.86	28.87	1510.41	0.019	2.17	4158.38	0.001
	82.833 (31)	25						
L32	82.833 -	TP32.3412x32.3002x0.98	28.89	1724.69	0.017	2.17	4735.65	0.000
	82.583 (32)	75						
L33	82.583 -	TP33.1619x32.3412x0.96	29.28	1726.36	0.017	2.17	4868.10	0.000
	77.583 (33)	25						
L34	77.583 -	TP33.8457x33.1619x0.93	29.62	1718.54	0.017	2.17	4952.71	0.000
	73.4167 (34)	75						
L35	73.4167 -	TP33.8867x33.8457x1.21	29.64	2206.84	0.013	2.17	6314.74	0.000
	73.1667 (35)	25						
L36	73.1667 -	TP34.0098x33.8867x1.21	29.71	2215.15	0.013	2.17	6362.41	0.000
	72.4167 (36)	25						
L37	72.4167 -	TP34.0508x34.0098x0.92	29.73	1706.84	0.017	2.17	4951.52	0.000
	72.1667 (37)	5						
L38	72.1667 -	TP34.721x34.0508x0.912	30.04	1718.47	0.017	2.17	5088.02	0.000
	68.0833 (38)	5						
L39	68.0833 -	TP34.762x34.721x0.9125	30.05	1720.56	0.017	2.17	5100.38	0.000
	67.8333 (39)							
L40	67.8333 -	TP35.1313x34.762x0.912	30.24	1739.33	0.017	2.17	5212.27	0.000
	65.5833 (40)	5						
L41	65.5833 -	TP35.1724x35.1313x1.16	30.24	2202.33	0.014	2.17	6559.43	0.000
	65.3333 (41)	25						
L42	65.3333 -	TP35.3502x35.1724x1.16	30.35	2213.84	0.014	2.17	6628.20	0.000
	64.25 (42)	25						
L43	64.25 - 64	TP35.3912x35.3502x0.96	30.36	1845.89	0.016	2.17	5565.52	0.000
	(43)	25						
L44	64 - 59 (44)	TP36.2118x35.3912x0.95	30.71	1866.00	0.016	2.17	5762.32	0.000
L45	59 - 54 (45)	TP37.0324x36.2118x0.93	31.03	1884.96	0.016	2.17	5958.37	0.000
		75						
L46	54 - 43.827	TP38.7021x37.0324x0.91	31.32	1876.28	0.017	2.17	6065.40	0.000

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 $\frac{T_u}{\phi T_n}$
L47	(46) 43.827 - 42.827 (47)	25 TP38.2386x37.2007x0.97 5	31.89	2023.83	0.016	2.17	6604.48	0.000
L48	42.827 - 41.75 (48)	5 TP38.4149x38.2386x0.97 5	31.95	2033.40	0.016	2.17	6667.13	0.000
L49	41.75 - 41.5 (49)	TP38.4559x38.4149x1	31.94	2086.43	0.015	2.17	6843.90	0.000
L50	41.5 - 36.5 (50)	TP39.2744x38.4559x0.97 5	32.21	2080.08	0.015	2.17	6976.75	0.000
L51	36.5 - 32.75 (51)	TP39.8884x39.2744x0.97 5	32.39	2113.43	0.015	2.17	7202.22	0.000
L52	32.75 - 32.5 (52)	TP39.9293x39.8884x1.02 5	32.38	2221.29	0.015	2.17	7568.03	0.000
L53	32.5 - 32.25 (53)	TP39.9702x39.9293x1.02 5	32.39	2223.63	0.015	2.17	7583.97	0.000
L54	32.25 - 32 (54)	TP40.0111x39.9702x1.05	32.40	2278.79	0.014	2.17	7775.29	0.000
L55	32 - 30.333 (55)	TP40.2841x40.0111x1.02 5	32.52	2241.55	0.015	2.17	7706.68	0.000
L56	30.333 - 30.083 (56)	TP40.325x40.2841x0.925	32.49	2030.12	0.016	2.17	7004.83	0.000
L57	30.083 - 28.25 (57)	TP40.6251x40.325x0.925	32.61	2045.58	0.016	2.17	7111.95	0.000
L58	28.25 - 28 (58)	TP40.666x40.6251x0.975	32.58	2155.66	0.015	2.17	7492.95	0.000
L59	28 - 23 (59)	TP41.4846x40.666x0.95	32.79	2145.03	0.015	2.17	7614.46	0.000
L60	23 - 19.25 (60)	TP42.0985x41.4846x0.95	32.91	2177.52	0.015	2.17	7846.86	0.000
L61	19.25 - 19 (61)	TP42.1394x42.0985x0.83 75	32.89	1926.81	0.017	2.17	6969.31	0.000
L62	19 - 14.5 (62)	TP42.8761x42.1394x0.82 5	33.00	1932.48	0.017	2.17	7116.62	0.000
L63	14.5 - 14.25 (63)	TP42.9171x42.8761x1.27 5	32.98	2957.51	0.011	2.17	10785.50	0.000
L64	14.25 - 12.75 (64)	TP43.1626x42.9171x1.25	33.06	2918.36	0.011	2.17	10711.83	0.000
L65	12.75 - 12.5 (65)	TP43.2036x43.1626x1	33.93	2350.90	0.014	1.13	8688.83	0.000
L66	12.5 - 7.5 (66)	TP44.0221x43.2036x0.97 5	34.08	2337.94	0.015	1.13	8813.67	0.000
L67	7.5 - 3.5 (67)	TP44.677x44.0221x0.975	34.17	2373.50	0.014	1.13	9083.92	0.000
L68	3.5 - 3.25 (68)	TP44.7179x44.677x1.2	34.16	2908.93	0.012	1.13	11086.17	0.000
L69	3.25 - 0 (69)	TP45.25x44.7179x1.175	34.27	2884.79	0.012	1.13	11134.92	0.000

### Pole Interaction Design Data

Section No.	Elevation ft	Ratio $P_u$ $\phi P_n$	Ratio $M_{ux}$ $\phi M_{nx}$	Ratio $M_{uy}$ $\phi M_{ny}$	Ratio $V_u$ $\phi V_n$	Ratio $T_u$ $\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	168.5 - 163.5 (1)	0.007	0.142	0.000	0.043	0.007	0.152	1.050	
L2	163.5 - 158.5 (2)	0.007	0.255	0.000	0.043	0.006	0.264	1.050	
L3	158.5 - 153.5 (3)	0.012	0.408	0.000	0.066	0.006	0.425	1.050	
L4	153.5 - 148.5 (4)	0.013	0.558	0.000	0.065	0.005	0.575	1.050	
L5	148.5 - 143.5 (5)	0.016	0.721	0.000	0.076	0.005	0.744	1.050	
L6	143.5 - 138.5 (6)	0.020	0.887	0.000	0.090	0.004	0.916	1.050	
L7	138.5 - 138 (7)	0.020	0.905	0.000	0.089	0.004	0.934	1.050	
L8	138 - 137.75 (8)	0.016	0.699	0.000	0.072	0.003	0.721	1.050	

Section No.	Elevation ft	Ratio	Ratio	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		$P_u$	$M_{ux}$	$M_{uy}$	$V_u$	$T_u$			
		$\phi P_n$	$\phi M_{nx}$	$\phi M_{ny}$	$\phi V_n$	$\phi T_n$			
L9	137.75 - 136.75 (9)	0.016	0.726	0.000	0.072	0.003	0.748	1.050	
L10	136.75 - 136.5 (10)	0.009	0.388	0.000	0.038	0.002	0.398	1.050	
L11	136.5 - 130.667 (11)	0.009	0.416	0.000	0.038	0.002	0.426	1.050	
L12	130.667 - 129.327 (12)	0.008	0.437	0.000	0.034	0.001	0.446	1.050	
L13	129.327 - 125.75 (13)	0.010	0.480	0.000	0.036	0.001	0.491	1.050	
L14	125.75 - 125.5 (14)	0.006	0.329	0.000	0.024	0.001	0.336	1.050	
L15	125.5 - 120.5 (15)	0.007	0.367	0.000	0.024	0.001	0.375	1.050	
L16	120.5 - 120.25 (16)	0.006	0.303	0.000	0.020	0.001	0.309	1.050	
L17	120.25 - 115.25 (17)	0.006	0.335	0.000	0.020	0.001	0.342	1.050	
L18	115.25 - 113.833 (18)	0.006	0.342	0.000	0.020	0.001	0.348	1.050	
L19	113.833 - 113.583 (19)	0.005	0.269	0.000	0.015	0.001	0.274	1.050	
L20	113.583 - 113.333 (20)	0.005	0.312	0.000	0.018	0.001	0.318	1.050	
L21	113.333 - 113.083 (21)	0.005	0.313	0.000	0.018	0.001	0.319	1.050	
L22	113.083 - 112 (22)	0.005	0.317	0.000	0.018	0.001	0.323	1.050	
L23	112 - 111.75 (23)	0.007	0.416	0.000	0.024	0.001	0.424	1.050	
L24	111.75 - 106.75 (24)	0.008	0.448	0.000	0.024	0.001	0.456	1.050	
L25	106.75 - 101.75 (25)	0.008	0.477	0.000	0.024	0.001	0.485	1.050	
L26	101.75 - 98.4167 (26)	0.008	0.498	0.000	0.024	0.001	0.507	1.050	
L27	98.4167 - 98.1667 (27)	0.006	0.354	0.000	0.017	0.001	0.360	1.050	
L28	98.1667 - 93.1667 (28)	0.006	0.376	0.000	0.017	0.001	0.382	1.050	
L29	93.1667 - 84.717 (29)	0.006	0.394	0.000	0.017	0.000	0.401	1.050	
L30	84.717 - 83.717 (30)	0.008	0.458	0.000	0.019	0.001	0.466	1.050	
L31	83.717 - 82.833 (31)	0.008	0.460	0.000	0.019	0.001	0.469	1.050	
L32	82.833 - 82.583 (32)	0.007	0.407	0.000	0.017	0.000	0.415	1.050	
L33	82.583 - 77.583 (33)	0.007	0.426	0.000	0.017	0.000	0.434	1.050	
L34	77.583 - 73.4167 (34)	0.008	0.444	0.000	0.017	0.000	0.452	1.050	
L35	73.4167 - 73.1667 (35)	0.006	0.352	0.000	0.013	0.000	0.359	1.050	
L36	73.1667 - 72.4167 (36)	0.006	0.353	0.000	0.013	0.000	0.360	1.050	
L37	72.4167 - 72.1667 (37)	0.008	0.452	0.000	0.017	0.000	0.460	1.050	
L38	72.1667 - 68.0833 (38)	0.008	0.464	0.000	0.017	0.000	0.472	1.050	
L39	68.0833 - 67.8333 (39)	0.008	0.464	0.000	0.017	0.000	0.473	1.050	
L40	67.8333 - 65.5833 (40)	0.008	0.467	0.000	0.017	0.000	0.476	1.050	
L41	65.5833 - 65.3333 (41)	0.007	0.375	0.000	0.014	0.000	0.382	1.050	
L42	65.3333 - 64.25 (42)	0.007	0.376	0.000	0.014	0.000	0.383	1.050	
L43	64.25 - 64	0.008	0.447	0.000	0.016	0.000	0.455	1.050	

Section No.	Elevation ft	Ratio	Ratio	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		$P_u$	$M_{ux}$	$M_{uy}$	$V_u$	$T_u$			
		$\phi P_n$	$\phi M_{nx}$	$\phi M_{ny}$	$\phi V_n$	$\phi T_n$			
(43)									
L44	64 - 59 (44)	0.008	0.458	0.000	0.016	0.000	0.467	1.050	
L45	59 - 54 (45)	0.009	0.470	0.000	0.016	0.000	0.478	1.050	
L46	54 - 43.827	0.009	0.486	0.000	0.017	0.000	0.495	1.050	
(46)									
L47	43.827 - 42.827 (47)	0.009	0.478	0.000	0.016	0.000	0.488	1.050	
L48	42.827 - 41.75 (48)	0.009	0.479	0.000	0.016	0.000	0.488	1.050	
L49	41.75 - 41.5 (49)	0.009	0.468	0.000	0.015	0.000	0.477	1.050	
L50	41.5 - 36.5 (50)	0.010	0.482	0.000	0.015	0.000	0.492	1.050	
L51	36.5 - 32.75 (51)	0.010	0.484	0.000	0.015	0.000	0.494	1.050	
L52	32.75 - 32.5 (52)	0.009	0.462	0.000	0.015	0.000	0.472	1.050	
L53	32.5 - 32.25 (53)	0.009	0.462	0.000	0.015	0.000	0.472	1.050	
L54	32.25 - 32 (54)	0.009	0.452	0.000	0.014	0.000	0.462	1.050	
L55	32 - 30.333 (55)	0.009	0.463	0.000	0.015	0.000	0.473	1.050	
L56	30.333 - 30.083 (56)	0.010	0.510	0.000	0.016	0.000	0.520	1.050	
L57	30.083 - 28.25 (57)	0.011	0.510	0.000	0.016	0.000	0.521	1.050	
L58	28.25 - 28 (58)	0.010	0.486	0.000	0.015	0.000	0.496	1.050	
L59	28 - 23 (59)	0.011	0.500	0.000	0.015	0.000	0.510	1.050	
L60	23 - 19.25 (60)	0.011	0.501	0.000	0.015	0.000	0.512	1.050	
L61	19.25 - 19 (61)	0.012	0.564	0.000	0.017	0.000	0.576	1.050	
L62	19 - 14.5 (62)	0.012	0.573	0.000	0.017	0.000	0.586	1.050	
L63	14.5 - 14.25 (63)	0.008	0.383	0.000	0.011	0.000	0.391	1.050	
L64	14.25 - 12.75 (64)	0.008	0.390	0.000	0.011	0.000	0.398	1.050	
L65	12.75 - 12.5 (65)	0.010	0.479	0.000	0.014	0.000	0.489	1.050	
L66	12.5 - 7.5 (66)	0.011	0.491	0.000	0.015	0.000	0.502	1.050	
L67	7.5 - 3.5 (67)	0.011	0.492	0.000	0.014	0.000	0.503	1.050	
L68	3.5 - 3.25 (68)	0.009	0.406	0.000	0.012	0.000	0.415	1.050	
L69	3.25 - 0 (69)	0.009	0.414	0.000	0.012	0.000	0.423	1.050	

### Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\phi P_{allow}$ K	% Capacity	Pass Fail
L1	168.5 - 163.5	Pole	TP19.8343x19x0.1875	1	-4.65	718.20	14.4	Pass
L2	163.5 - 158.5	Pole	TP20.6685x19.8343x0.1875	2	-4.98	748.70	25.2	Pass
L3	158.5 - 153.5	Pole	TP21.5028x20.6685x0.1875	3	-9.19	779.19	40.5	Pass
L4	153.5 - 148.5	Pole	TP22.337x21.5028x0.1875	4	-9.66	809.69	54.8	Pass
L5	148.5 - 143.5	Pole	TP23.1713x22.337x0.1875	5	-12.80	840.18	70.8	Pass
L6	143.5 - 138.5	Pole	TP24.0056x23.1713x0.1875	6	-16.53	870.68	87.2	Pass
L7	138.5 - 138	Pole	TP24.089x24.0056x0.1875	7	-16.61	873.73	89.0	Pass
L8	138 - 137.75	Pole	TP24.1307x24.089x0.2313	8	-16.66	1077.51	68.7	Pass
L9	137.75 - 136.75	Pole	TP24.2975x24.1307x0.2313	9	-16.82	1085.03	71.2	Pass
L10	136.75 - 136.5	Pole	TP24.3393x24.2975x0.4375	10	-16.88	2038.73	37.9	Pass
L11	136.5 - 130.667	Pole	TP25.3125x24.3393x0.4375	11	-17.31	2069.65	40.6	Pass
L12	130.667 - 129.327	Pole	TP25.1499x24.3268x0.4938	12	-18.87	2373.47	42.5	Pass
L13	129.327 - 125.75	Pole	TP25.7388x25.1499x0.4875	13	-21.97	2400.00	46.8	Pass

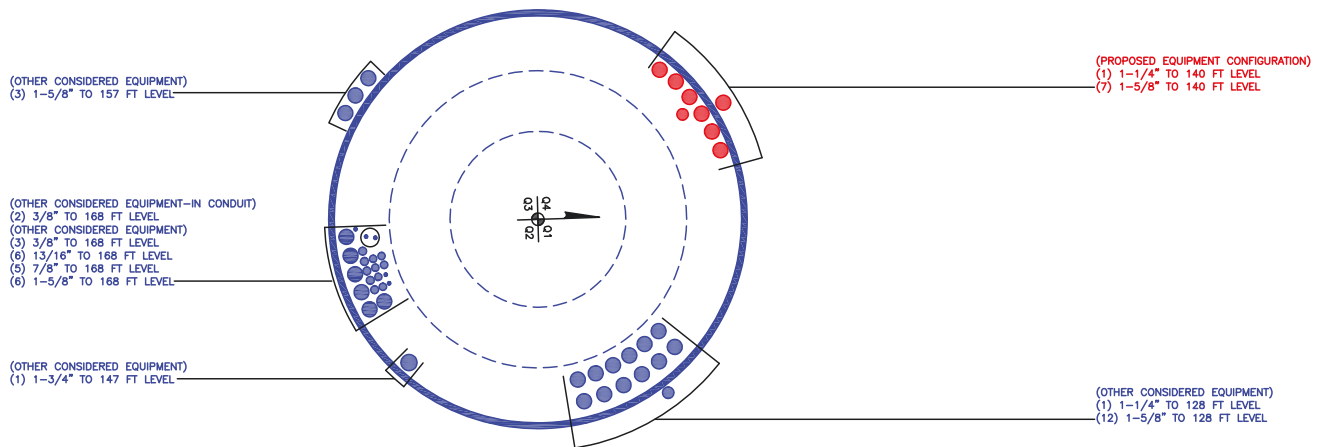
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\phi P_{allow}$ K	% Capacity	Pass Fail
L14	125.75 - 125.5	Pole	TP25.7799x25.7388x0.7375	14	-22.06	3600.72	32.0	Pass
L15	125.5 - 120.5	Pole	TP26.6029x25.7799x0.725	15	-23.58	3657.79	35.7	Pass
L16	120.5 - 120.25	Pole	TP26.6441x26.6029x0.9	16	-23.67	4517.23	29.4	Pass
L17	120.25 - 115.25	Pole	TP27.4671x26.6441x0.875	17	-25.44	4536.42	32.5	Pass
L18	115.25 - 113.833	Pole	TP27.7004x27.4671x0.875	18	-25.94	4576.20	33.2	Pass
L19	113.833 - 113.583	Pole	TP27.7415x27.7004x1.15	19	-26.05	5962.02	26.1	Pass
L20	113.583 - 113.333	Pole	TP27.7827x27.7415x0.975	20	-26.15	5095.84	30.3	Pass
L21	113.333 - 113.083	Pole	TP27.8238x27.7827x0.975	21	-26.25	5103.66	30.4	Pass
L22	113.083 - 112	Pole	TP28.0021x27.8238x0.975	22	-26.67	5137.56	30.8	Pass
L23	112 - 111.75	Pole	TP28.0433x28.0021x0.725	23	-26.76	3861.39	40.4	Pass
L24	111.75 - 106.75	Pole	TP28.8663x28.0433x0.7125	24	-28.38	3910.88	43.4	Pass
L25	106.75 - 101.75	Pole	TP29.6894x28.8663x0.7	25	-30.03	3956.29	46.2	Pass
L26	101.75 - 98.4167	Pole	TP30.2381x29.6894x0.6875	26	-31.14	3960.87	48.3	Pass
L27	98.4167 - 98.1667	Pole	TP30.2792x30.2381x1	27	-31.26	5708.37	34.3	Pass
L28	98.1667 - 93.1667	Pole	TP31.1023x30.2792x0.975	28	-33.39	5726.86	36.4	Pass
L29	93.1667 - 84.717	Pole	TP32.4932x31.1023x0.95	29	-35.07	5703.24	38.2	Pass
L30	84.717 - 83.717	Pole	TP32.1551x31.2426x0.8625	30	-38.97	5262.02	44.4	Pass
L31	83.717 - 82.833	Pole	TP32.3002x32.1551x0.8625	31	-39.36	5286.42	44.6	Pass
L32	82.833 - 82.583	Pole	TP32.3412x32.3002x0.9875	32	-39.49	6036.41	39.5	Pass
L33	82.583 - 77.583	Pole	TP33.1619x32.3412x0.9625	33	-42.01	6042.27	41.3	Pass
L34	77.583 - 73.4167	Pole	TP33.8457x33.1619x0.9375	34	-44.13	6014.88	43.0	Pass
L35	73.4167 - 73.1667	Pole	TP33.8867x33.8457x1.2125	35	-44.28	7723.94	34.1	Pass
L36	73.1667 - 72.4167	Pole	TP34.0098x33.8867x1.2125	36	-44.71	7753.03	34.2	Pass
L37	72.4167 - 72.1667	Pole	TP34.0508x34.0098x0.925	37	-44.84	5973.93	43.8	Pass
L38	72.1667 - 68.0833	Pole	TP34.721x34.0508x0.9125	38	-46.81	6014.66	45.0	Pass
L39	68.0833 - 67.8333	Pole	TP34.762x34.721x0.9125	39	-46.96	6021.96	45.0	Pass
L40	67.8333 - 65.5833	Pole	TP35.1313x34.762x0.9125	40	-48.16	6087.66	45.3	Pass
L41	65.5833 - 65.3333	Pole	TP35.1724x35.1313x1.1625	41	-48.32	7708.14	36.4	Pass
L42	65.3333 - 64.25	Pole	TP35.3502x35.1724x1.1625	42	-48.95	7748.44	36.5	Pass
L43	64.25 - 64	Pole	TP35.3912x35.3502x0.9625	43	-49.09	6460.61	43.4	Pass
L44	64 - 59	Pole	TP36.2118x35.3912x0.95	44	-51.67	6531.01	44.5	Pass
L45	59 - 54	Pole	TP37.0324x36.2118x0.9375	45	-54.29	6597.35	45.6	Pass
L46	54 - 43.827	Pole	TP38.7021x37.0324x0.9125	46	-56.84	6566.99	47.2	Pass
L47	43.827 - 42.827	Pole	TP38.2386x37.2007x0.975	47	-62.76	7083.39	46.4	Pass
L48	42.827 - 41.75	Pole	TP38.4149x38.2386x0.975	48	-63.39	7116.91	46.5	Pass
L49	41.75 - 41.5	Pole	TP38.4559x38.4149x1	49	-63.55	7302.51	45.5	Pass
L50	41.5 - 36.5	Pole	TP39.2744x38.4559x0.975	50	-66.59	7280.30	46.9	Pass
L51	36.5 - 32.75	Pole	TP39.8884x39.2744x0.975	51	-68.89	7397.00	47.1	Pass
L52	32.75 - 32.5	Pole	TP39.9293x39.8884x1.025	52	-69.06	7774.51	44.9	Pass
L53	32.5 - 32.25	Pole	TP39.9702x39.9293x1.025	53	-69.22	7782.69	44.9	Pass
L54	32.25 - 32	Pole	TP40.0111x39.9702x1.05	54	-69.38	7975.78	44.0	Pass
L55	32 - 30.333	Pole	TP40.2841x40.0111x1.025	55	-70.45	7845.41	45.0	Pass
L56	30.333 - 30.083	Pole	TP40.325x40.2841x0.925	56	-70.61	7105.42	49.5	Pass
L57	30.083 - 28.25	Pole	TP40.6251x40.325x0.925	57	-71.70	7159.54	49.6	Pass
L58	28.25 - 28	Pole	TP40.666x40.6251x0.975	58	-71.88	7544.82	47.3	Pass
L59	28 - 23	Pole	TP41.4846x40.666x0.95	59	-75.17	7507.60	48.6	Pass
L60	23 - 19.25	Pole	TP42.0985x41.4846x0.95	60	-77.65	7621.31	48.7	Pass
L61	19.25 - 19	Pole	TP42.1394x42.0985x0.8375	61	-77.81	6743.83	54.9	Pass
L62	19 - 14.5	Pole	TP42.8761x42.1394x0.825	62	-80.49	6763.69	55.8	Pass
L63	14.5 - 14.25	Pole	TP42.9171x42.8761x1.275	63	-80.68	10351.30	37.2	Pass
L64	14.25 - 12.75	Pole	TP43.1626x42.9171x1.25	64	-81.73	10214.26	37.9	Pass
L65	12.75 - 12.5	Pole	TP43.2036x43.1626x1	65	-81.89	8228.14	46.6	Pass
L66	12.5 - 7.5	Pole	TP44.0221x43.2036x0.975	66	-85.13	8182.79	47.8	Pass
L67	7.5 - 3.5	Pole	TP44.677x44.0221x0.975	67	-87.75	8307.26	47.9	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\phi P_{allow}$ K	% Capacity	Pass Fail	
L68	3.5 - 3.25	Pole	TP44.7179x44.677x1.2	68	-87.93	10181.26	39.5	Pass	
L69	3.25 - 0	Pole	TP45.25x44.7179x1.175	69	-90.15	10096.77	40.3	Pass	
							Summary		
							Pole (L7)	89.0	Pass
							<b>RATING =</b>	<b>89.0</b>	<b>Pass</b>

**\*NOTE: Above stress ratios for reinforced sections are approximate. More exact calculations are presented in Appendix C.**

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





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

**Pole Geometry**

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	168.5	37.833	3.66	18	19	25.3125	0.1875	Auto	A572-65
2	134.327	49.61	4.56	18	24.33	32.4932	0.25	Auto	A572-65
3	89.277	45.45	5.34	18	31.24	38.7021	0.3125	Auto	A572-65
4	49.167	49.167	0	18	37.20	45.25	0.375	Auto	A572-65

**Reinforcement Configuration**

Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0	28.25	plate	*x1.25" (Bottom Weld)	4		E2				E2				E2				E2				
30.333	45.4167	plate	FP 6"x1.25"	4			E2					E2						E2				E2
47.375	73.4167	plate	FP 5"x1.25"	4		E2				E2				E2				E2				E2
73.4167	85.9167	plate	FP 5"x1.25"	4			E2					E2						E2				E2
87.833	113.833	plate	FP 5"x1.25"	3				E2						E2						E2		
3.5	41.75	plate	CCI-CFP-060100	4	E4					E4				E4				E4				E4
41.75	82.833	plate	CCI-SFP-045100	4	E4					E4				E4				E4				E4
19.25	30.333	plate	CCI-SFP-045100	4		E4					E4				E4				E4			E4
64.25	73.4167	plate	CCI-SFP-045100	4		E4					E4				E4				E4			E4
85.9167	125.7496667	plate	CCI-SFP-045100 (Mod)	4		E4					E4				E4				E4			E4
28.25	32.75	plate	CCI-SFP-065125	2					E7							E7						
113.5	120.5	plate	CCI-SFP-040125	1									E7									
12.75	32.25	plate	CCI-SFP-065125	2									E8									E8
32.25	68.0833	plate	CCI-SFP-050125	2									E8									E8
32.75	65.5833	plate	CCI-SFP-050125	2					E8								E8					
72.4167	98.4167	plate	CCI-SFP-050125	4					E8				E8			E8			E8			E8
113.5	120.5	plate	FP 3.125"x1.25"	1																		E7
112	138	plate	CCI-APP-040125	2		E8														E8		
112	136.75	plate	CCI-APP-040125	2						E8						E8						
0	3.5	plate	TS 1.25"x7"	4	c					c				c						c		
0	14.5	plate	TS 1.25"x6.5"	4			E8		E8							E8		E8				

**Reinforcement Details**

	B (in)	H (in)	Gross Area (in²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in²)	Bolt Hole Size (in)	Reinforcement Material
1	6	1.25	7.5	0.625	Welded	n/a	AJAX - M20 x 2.5	30.000	18.000	5.938	1.1875	A572-65
2	6	1.25	7.5	0.625	AJAX - M20 x 2.5	30	AJAX - M20 x 2.5	30.000	18.000	5.938	1.1875	A572-65
3	5	1.25	6.25	0.625	AJAX - M20 x 2.5	24	AJAX - M20 x 2.5	24.000	18.000	4.688	1.1875	A572-65
4	5	1.25	6.25	0.625	AJAX - M20 x 2.5	24	AJAX - M20 x 2.5	24.000	18.000	4.688	1.1875	A572-65
5	5	1.25	6.25	0.625	AJAX - M20 x 2.5	24	AJAX - M20 x 2.5	24.000	18.000	4.688	1.1875	A572-65
6	6	1	6	0.5	NexGen2 - M20	24	NexGen2 - M20	24.000	12.000	4.750	1.1875	A572-65
7	4.5	1	4.5	0.5	NexGen2 - M20	18	NexGen2 - M20	18.000	12.000	3.250	1.1875	A572-65
8	4.5	1	4.5	0.5	NexGen2 - M20	18	NexGen2 - M20	18.000	20.000	3.250	1.1875	A572-65
9	4.5	1	4.5	0.5	NexGen2 - M20	18	NexGen2 - M20	18.000	20.000	3.250	1.1875	A572-65
10	4.5	1	4.5	0.5	NexGen2 - M20	18	NexGen2 - M20	19.000	20.000	3.250	1.1875	A572-65
11	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
12	4	1.25	5	0.625	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	27.000	3.438	1.1875	A572-65
13	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
14	5	1.25	6.25	0.625	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	23.000	4.688	1.1875	A572-65
15	5	1.25	6.25	0.625	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	23.000	4.688	1.1875	A572-65
16	5	1.25	6.25	0.625	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	23.000	4.688	1.1875	A572-65
17	3.125	1.25	3.90625	0.625	NexGen2 - M20	18	NexGen2 - M20	18.000	27.000	2.344	1.1875	A572-65
18	4	1.25	5	0.625	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	27.000	3.438	1.1875	A572-65
19	4	1.25	5	0.625	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	27.000	3.438	1.1875	A572-65
20	1.25	6.5	8.125	3.25	Welded	n/a	Welded	n/a	0.500	8.125	0.0000	A572-65
21	1.25	5.75	7.1875	2.875	Welded	n/a	Welded	n/a	0.750	7.188	0.0000	A572-65

**Connection Details for Custom Reinforcements**

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
FP 5"x1.25"	Top	8	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	8	N	3	3	-	-	-	-	-	-	-	-	-
FP 6"x1.25"	Top	10	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	10	N	3	3	-	-	-	-	-	-	-	-	-
FP 6"x1.25" (Bottom Welded)	Top	10	N	3	3	-	-	-	-	-	-	-	-	-
Bottom	-	-	-	-	-	70	None	-	-	-	-	36	0.375	-
CCI-CFP-045100	Top	6	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	6	N	3	3	-	-	-	-	-	-	-	-	-
CCI-CFP-060100	Top	8	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	8	N	3	3	-	-	-	-	-	-	-	-	-
CCI-SFP-045100 (Mod)	Top	7	N	3	1	-	-	-	-	-	-	-	-	-
	Bottom	6	N	3	3	-	-	-	-	-	-	-	-	-
FP 3.125"x1.25"	Top	6	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	6	N	3	3	-	-	-	-	-	-	-	-	-
TS 1.25"x7"	Top	-	-	-	-	80	None	-	-	-	-	44.5	0.375	-
	Bottom	-	-	-	-	80	CJP Groove	13	0.625	45	0.375	-	-	-
TS 1.25"x6.5"	Top	-	-	-	-	80	None	-	-	-	-	196.75	0.313	-
	Bottom	-	-	-	-	80	CJP Groove	11.5	0.625	45	0.3125	-	-	-

# TNX Geometry Input

Increment (ft):  [Export to TNX](#)

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	168.5 - 163.5	5		18	19.000	19.834	0.1875	A572-65	1.000
2	163.5 - 158.5	5		18	19.834	20.669	0.1875	A572-65	1.000
3	158.5 - 153.5	5		18	20.669	21.503	0.1875	A572-65	1.000
4	153.5 - 148.5	5		18	21.503	22.337	0.1875	A572-65	1.000
5	148.5 - 143.5	5		18	22.337	23.171	0.1875	A572-65	1.000
6	143.5 - 138.5	5		18	23.171	24.006	0.1875	A572-65	1.000
7	138.5 - 138	0.5		18	24.006	24.089	0.1875	A572-65	1.000
8	138 - 137.75	0.25		18	24.089	24.131	0.23125	A572-65	1.382
9	137.75 - 136.75	1		18	24.131	24.298	0.23125	A572-65	1.378
10	136.75 - 136.5	0.25		18	24.298	24.339	0.4375	A572-65	1.036
11	136.5 - 134.327	5.833	3.66	18	24.339	25.313	0.4375	A572-65	1.027
12	134.327 - 129.327	5		18	24.327	25.150	0.49375	A572-65	1.029
13	129.327 - 125.75	3.577333333		18	25.150	25.739	0.4875	A572-65	1.030
14	125.75 - 125.5	0.25		18	25.739	25.780	0.7375	A572-65	0.994
15	125.5 - 120.5	4.999666667		18	25.780	26.603	0.725	A572-65	0.989
16	120.5 - 120.25	0.25		18	26.603	26.644	0.9	A572-65	0.923
17	120.25 - 115.25	5		18	26.644	27.467	0.875	A572-65	0.928
18	115.25 - 113.833	1.417		18	27.467	27.700	0.875	A572-65	0.922
19	113.833 - 113.583	0.25		18	27.700	27.742	1.15	A572-65	0.861
20	113.583 - 113.333	0.25		18	27.742	27.783	0.975	A572-65	0.947
21	113.333 - 113.083	0.25		18	27.783	27.824	0.975	A572-65	0.946
22	113.083 - 112	1.083		18	27.824	28.002	0.975	A572-65	0.942
23	112 - 111.75	0.25		18	28.002	28.043	0.725	A572-65	0.935
24	111.75 - 106.75	5		18	28.043	28.866	0.7125	A572-65	0.934
25	106.75 - 101.75	5		18	28.866	29.689	0.7	A572-65	0.933
26	101.75 - 98.4167	3.3333		18	29.689	30.238	0.6875	A572-65	0.939
27	98.4167 - 98.1667	0.25		18	30.238	30.279	1	A572-65	0.921
28	98.1667 - 93.1667	5		18	30.279	31.102	0.975	A572-65	0.925
29	93.1667 - 89.277	8.4497	4.56	18	31.102	32.493	0.95	A572-65	0.934
30	89.277 - 83.717	5.56		18	31.243	32.155	0.8625	A572-65	0.952
31	83.717 - 82.833	0.884		18	32.155	32.300	0.8625	A572-65	0.950
32	82.833 - 82.583	0.25		18	32.300	32.341	0.9875	A572-65	1.015
33	82.583 - 77.583	5		18	32.341	33.162	0.9625	A572-65	1.023
34	77.583 - 73.4167	4.1663		18	33.162	33.846	0.9375	A572-65	1.034
35	73.4167 - 73.1667	0.25		18	33.846	33.887	1.2125	A572-65	0.949
36	73.1667 - 72.4167	0.75		18	33.887	34.010	1.2125	A572-65	0.946
37	72.4167 - 72.1667	0.25		18	34.010	34.051	0.925	A572-65	0.971
38	72.1667 - 68.0833	4.0834		18	34.051	34.721	0.9125	A572-65	0.972
39	68.0833 - 67.8333	0.25		18	34.721	34.762	0.9125	A572-65	1.098
40	67.8333 - 65.5833	2.25		18	34.762	35.131	0.9125	A572-65	1.090
41	65.5833 - 65.3333	0.25		18	35.131	35.172	1.1625	A572-65	0.961
42	65.3333 - 64.25	1.0833		18	35.172	35.350	1.1625	A572-65	0.957
43	64.25 - 64	0.25		18	35.350	35.391	0.9625	A572-65	0.977
44	64 - 59	5		18	35.391	36.212	0.95	A572-65	0.974
45	59 - 54	5		18	36.212	37.032	0.9375	A572-65	0.972
46	54 - 49.167	10.173	5.34	18	37.032	38.702	0.9125	A572-65	0.984
47	49.167 - 42.827	6.34		18	37.201	38.239	0.975	A572-65	1.024
48	42.827 - 41.75	1.077		18	38.239	38.415	0.975	A572-65	1.021
49	41.75 - 41.5	0.25		18	38.415	38.456	1	A572-65	1.046
50	41.5 - 36.5	5		18	38.456	39.274	0.975	A572-65	1.057
51	36.5 - 32.75	3.75		18	39.274	39.888	0.975	A572-65	1.047
52	32.75 - 32.5	0.25		18	39.888	39.929	1.025	A572-65	1.026
53	32.5 - 32.25	0.25		18	39.929	39.970	1.025	A572-65	1.025
54	32.25 - 32	0.25		18	39.970	40.011	1.05	A572-65	1.030
55	32 - 30.333	1.667		18	40.011	40.284	1.025	A572-65	1.049
56	30.333 - 30.083	0.25		18	40.284	40.325	0.925	A572-65	1.055
57	30.083 - 28.25	1.833		18	40.325	40.625	0.925	A572-65	1.050
58	28.25 - 28	0.25		18	40.625	40.666	0.975	A572-65	1.109
59	28 - 23	5		18	40.666	41.485	0.95	A572-65	1.122
60	23 - 19.25	3.75		18	41.485	42.099	0.95	A572-65	1.112
61	19.25 - 19	0.25		18	42.099	42.139	0.8375	A572-65	1.093
62	19 - 14.5	4.5		18	42.139	42.876	0.825	A572-65	1.097
63	14.5 - 14.25	0.25		18	42.876	42.917	1.275	A572-65	0.888
64	14.25 - 12.75	1.5		18	42.917	43.163	1.25	A572-65	0.902
65	12.75 - 12.5	0.25		18	43.163	43.204	1	A572-65	0.998
66	12.5 - 7.5	5		18	43.204	44.022	0.975	A572-65	1.011
67	7.5 - 3.5	4		18	44.022	44.677	0.975	A572-65	1.002
68	3.5 - 3.25	0.25		18	44.677	44.718	1.2	A572-65	0.869
69	3.25 - 0	3.25		18	44.718	45.250	1.175	A572-65	0.880

# TNX Section Forces

Increment (ft):		TNX Output			
5					
	Section Height (ft)	P <sub>u</sub> (K)	M <sub>ux</sub> (kip-ft)	V <sub>u</sub> (K)	
1	168.5 - 163.5	4.65	48.68	8.83	
2	163.5 - 158.5	4.98	93.61	9.15	
3	158.5 - 153.5	9.19	160.45	14.65	
4	153.5 - 148.5	9.66	234.38	14.95	
5	148.5 - 143.5	12.80	322.36	18.35	
6	143.5 - 138.5	16.53	420.86	22.29	
7	138.5 - 138	16.61	432.01	22.31	
8	138 - 137.75	16.66	437.58	22.32	
9	137.75 - 136.75	16.82	459.93	22.38	
10	136.75 - 136.5	16.88	465.53	22.39	
11	136.5 - 134.327	17.31	514.36	22.54	
12	134.327 - 129.327	18.87	628.24	22.98	
13	129.327 - 125.75	21.97	715.94	24.90	
14	125.75 - 125.5	22.06	722.17	24.92	
15	125.5 - 120.5	23.58	847.74	25.31	
16	120.5 - 120.25	23.67	854.07	25.33	
17	120.25 - 115.25	25.44	981.76	25.77	
18	115.25 - 113.833	25.94	1018.39	25.96	
19	113.833 - 113.583	26.06	1024.88	25.99	
20	113.583 - 113.333	26.15	1031.38	26.02	
21	113.333 - 113.083	26.25	1037.89	26.06	
22	113.083 - 112	26.67	1066.18	26.21	
23	112 - 111.75	26.76	1072.73	26.23	
24	111.75 - 106.75	28.38	1204.73	26.60	
25	106.75 - 101.75	30.03	1338.56	26.96	
26	101.75 - 98.4167	31.14	1428.77	27.20	
27	98.4167 - 98.1667	31.26	1435.57	27.23	
28	98.1667 - 93.1667	33.39	1573.32	27.90	
29	93.1667 - 89.277	35.07	1682.41	28.22	
30	89.277 - 83.717	38.97	1840.99	28.81	
31	83.717 - 82.833	39.36	1866.49	28.87	
32	82.833 - 82.583	39.49	1873.72	28.89	
33	82.583 - 77.583	42.01	2019.22	29.28	
34	77.583 - 73.4167	44.13	2141.98	29.62	
35	73.4167 - 73.1667	44.28	2149.39	29.64	
36	73.1667 - 72.4167	44.71	2171.66	29.71	
37	72.4167 - 72.1667	44.84	2179.10	29.73	
38	72.1667 - 68.0833	46.81	2301.19	30.04	
39	68.0833 - 67.8333	46.96	2308.71	30.05	
40	67.8333 - 65.5833	48.16	2376.56	30.24	
41	65.5833 - 65.3333	48.32	2384.13	30.24	
42	65.3333 - 64.25	48.95	2416.96	30.35	
43	64.25 - 64	49.09	2424.56	30.36	
44	64 - 59	51.67	2577.32	30.71	
45	59 - 54	54.29	2731.74	31.03	
46	54 - 49.167	56.84	2882.46	31.32	
47	49.167 - 42.827	62.76	3083.01	31.89	
48	42.827 - 41.75	63.39	3117.39	31.95	
49	41.75 - 41.5	63.55	3125.38	31.94	
50	41.5 - 36.5	66.59	3285.85	32.21	
51	36.5 - 32.75	68.89	3407.01	32.39	
52	32.75 - 32.5	69.06	3415.11	32.38	
53	32.5 - 32.25	69.22	3423.21	32.39	
54	32.25 - 32	69.38	3431.32	32.40	
55	32 - 30.333	70.45	3485.45	32.52	
56	30.333 - 30.083	70.61	3493.58	32.49	
57	30.083 - 28.25	71.70	3553.26	32.61	
58	28.25 - 28	71.88	3561.41	32.58	
59	28 - 23	75.17	3724.91	32.79	
60	23 - 19.25	77.65	3848.12	32.91	
61	19.25 - 19	77.81	3856.35	32.89	
62	19 - 14.5	80.49	4004.68	33.00	
63	14.5 - 14.25	80.68	4012.94	32.98	
64	14.25 - 12.75	81.73	4062.50	33.06	
65	12.75 - 12.5	81.89	4070.80	33.93	
66	12.5 - 7.5	85.13	4240.85	34.08	
67	7.5 - 3.5	87.75	4377.33	34.17	
68	3.5 - 3.25	87.93	4385.87	34.16	
69	3.25 - 0	90.15	4497.10	34.27	

# Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
168.5 - 163.5	Pole	TP19.834x19x0.1875	Pole	14.4%	Pass
163.5 - 158.5	Pole	TP20.669x19.834x0.1875	Pole	25.1%	Pass
158.5 - 153.5	Pole	TP21.503x20.669x0.1875	Pole	40.4%	Pass
153.5 - 148.5	Pole	TP22.337x21.503x0.1875	Pole	54.7%	Pass
148.5 - 143.5	Pole	TP23.171x22.337x0.1875	Pole	70.8%	Pass
143.5 - 138.5	Pole	TP24.006x23.171x0.1875	Pole	87.2%	Pass
138.5 - 138	Pole	TP24.089x24.006x0.1875	Pole	88.9%	Pass
138 - 137.75	Pole + Reinf.	TP24.131x24.089x0.2313	Pole	81.5%	Pass
137.75 - 136.75	Pole + Reinf.	TP24.298x24.131x0.2313	Pole	84.6%	Pass
136.75 - 136.5	Pole + Reinf.	TP24.339x24.298x0.4375	Reinf. 18 Tension Rupture	66.0%	Pass
136.5 - 134.33	Pole + Reinf.	TP25.313x24.339x0.4375	Reinf. 18 Tension Rupture	71.4%	Pass
134.33 - 129.33	Pole + Reinf.	TP25.15x24.327x0.4938	Reinf. 18 Tension Rupture	74.2%	Pass
129.33 - 125.75	Pole + Reinf.	TP25.739x25.15x0.4875	Reinf. 18 Tension Rupture	81.7%	Pass
125.75 - 125.5	Pole + Reinf.	TP25.78x25.739x0.7375	Reinf. 10 Tension Rupture	59.5%	Pass
125.5 - 120.5	Pole + Reinf.	TP26.603x25.78x0.725	Reinf. 10 Tension Rupture	66.8%	Pass
120.5 - 120.25	Pole + Reinf.	TP26.644x26.603x0.9	Reinf. 19 Tension Rupture	55.3%	Pass
120.25 - 115.25	Pole + Reinf.	TP27.467x26.644x0.875	Reinf. 19 Tension Rupture	61.1%	Pass
115.25 - 113.83	Pole + Reinf.	TP27.7x27.467x0.875	Reinf. 19 Tension Rupture	62.7%	Pass
113.83 - 113.58	Pole + Reinf.	TP27.742x27.7x1.15	Reinf. 18 Tension Rupture	48.7%	Pass
113.58 - 113.33	Pole + Reinf.	TP27.783x27.742x0.975	Reinf. 10 Tension Rupture	55.2%	Pass
113.33 - 113.08	Pole + Reinf.	TP27.824x27.783x0.975	Reinf. 10 Tension Rupture	55.5%	Pass
113.08 - 112	Pole + Reinf.	TP28.002x27.824x0.975	Reinf. 10 Tension Rupture	56.5%	Pass
112 - 111.75	Pole + Reinf.	TP28.043x28.002x0.725	Reinf. 10 Tension Rupture	70.5%	Pass
111.75 - 106.75	Pole + Reinf.	TP28.866x28.043x0.7125	Reinf. 10 Tension Rupture	76.1%	Pass
106.75 - 101.75	Pole + Reinf.	TP29.689x28.866x0.7	Reinf. 10 Tension Rupture	81.3%	Pass
101.75 - 98.42	Pole + Reinf.	TP30.238x29.689x0.6875	Reinf. 10 Tension Rupture	84.6%	Pass
98.42 - 98.17	Pole + Reinf.	TP30.279x30.238x1	Reinf. 10 Tension Rupture	60.3%	Pass
98.17 - 93.17	Pole + Reinf.	TP31.102x30.279x0.975	Reinf. 10 Tension Rupture	63.9%	Pass
93.17 - 89.28	Pole + Reinf.	TP32.493x31.102x0.95	Reinf. 10 Tension Rupture	66.6%	Pass
89.28 - 83.72	Pole + Reinf.	TP32.155x31.243x0.8625	Reinf. 16 Tension Rupture	74.6%	Pass
83.72 - 82.83	Pole + Reinf.	TP32.3x32.155x0.8625	Reinf. 16 Tension Rupture	75.2%	Pass
82.83 - 82.58	Pole + Reinf.	TP32.341x32.3x0.9875	Reinf. 16 Tension Rupture	66.3%	Pass
82.58 - 77.58	Pole + Reinf.	TP33.162x32.341x0.9625	Reinf. 16 Tension Rupture	69.2%	Pass
77.58 - 73.42	Pole + Reinf.	TP33.846x33.162x0.9375	Reinf. 16 Tension Rupture	71.4%	Pass
73.42 - 73.17	Pole + Reinf.	TP33.887x33.846x1.2125	Reinf. 9 Tension Rupture	59.4%	Pass
73.17 - 72.42	Pole + Reinf.	TP34.01x33.887x1.2125	Reinf. 9 Tension Rupture	59.7%	Pass
72.42 - 72.17	Pole + Reinf.	TP34.051x34.01x0.925	Reinf. 9 Tension Rupture	75.9%	Pass
72.17 - 68.08	Pole + Reinf.	TP34.721x34.051x0.9125	Reinf. 9 Tension Rupture	78.1%	Pass
68.08 - 67.83	Pole + Reinf.	TP34.762x34.721x0.9125	Reinf. 9 Tension Rupture	75.7%	Pass
67.83 - 65.58	Pole + Reinf.	TP35.131x34.762x0.9125	Reinf. 9 Tension Rupture	76.8%	Pass
65.58 - 65.33	Pole + Reinf.	TP35.172x35.131x1.1625	Reinf. 9 Tension Rupture	62.8%	Pass
65.33 - 64.25	Pole + Reinf.	TP35.35x35.172x1.1625	Reinf. 9 Tension Rupture	63.3%	Pass
64.25 - 64	Pole + Reinf.	TP35.391x35.35x0.9625	Reinf. 15 Tension Rupture	72.4%	Pass
64 - 59	Pole + Reinf.	TP36.212x35.391x0.95	Reinf. 15 Tension Rupture	74.6%	Pass
59 - 54	Pole + Reinf.	TP37.032x36.212x0.9375	Reinf. 15 Tension Rupture	76.7%	Pass
54 - 49.17	Pole + Reinf.	TP38.702x37.032x0.9125	Reinf. 15 Tension Rupture	78.7%	Pass
49.17 - 42.83	Pole + Reinf.	TP38.239x37.201x0.975	Reinf. 15 Tension Rupture	77.9%	Pass
42.83 - 41.75	Pole + Reinf.	TP38.415x38.239x0.975	Reinf. 15 Tension Rupture	78.2%	Pass
41.75 - 41.5	Pole + Reinf.	TP38.456x38.415x1	Reinf. 15 Tension Rupture	75.7%	Pass
41.5 - 36.5	Pole + Reinf.	TP39.274x38.456x0.975	Reinf. 15 Tension Rupture	77.3%	Pass
36.5 - 32.75	Pole + Reinf.	TP39.888x39.274x0.975	Reinf. 15 Tension Rupture	78.4%	Pass
32.75 - 32.5	Pole + Reinf.	TP39.929x39.888x1.025	Reinf. 2 Tension Rupture	70.3%	Pass
32.5 - 32.25	Pole + Reinf.	TP39.97x39.929x1.025	Reinf. 2 Tension Rupture	70.4%	Pass
32.25 - 32	Pole + Reinf.	TP40.011x39.97x1.05	Reinf. 2 Tension Rupture	69.8%	Pass
32 - 30.33	Pole + Reinf.	TP40.284x40.011x1.025	Reinf. 2 Tension Rupture	70.3%	Pass
30.33 - 30.08	Pole + Reinf.	TP40.325x40.284x0.925	Reinf. 8 Tension Rupture	86.1%	Pass
30.08 - 28.25	Pole + Reinf.	TP40.625x40.325x0.925	Reinf. 8 Tension Rupture	86.6%	Pass
28.25 - 28	Pole + Reinf.	TP40.666x40.625x0.975	Reinf. 8 Tension Rupture	80.3%	Pass
28 - 23	Pole + Reinf.	TP41.485x40.666x0.95	Reinf. 8 Tension Rupture	81.7%	Pass
23 - 19.25	Pole + Reinf.	TP42.099x41.485x0.95	Reinf. 8 Tension Rupture	82.7%	Pass
19.25 - 19	Pole + Reinf.	TP42.139x42.099x0.8375	Reinf. 1 Tension Rupture	83.3%	Pass
19 - 14.5	Pole + Reinf.	TP42.876x42.139x0.825	Reinf. 1 Tension Rupture	84.3%	Pass
14.5 - 14.25	Pole + Reinf.	TP42.917x42.876x1.275	Reinf. 6 Tension Rupture	59.3%	Pass
14.25 - 12.75	Pole + Reinf.	TP43.163x42.917x1.25	Reinf. 6 Tension Rupture	59.6%	Pass
12.75 - 12.5	Pole + Reinf.	TP43.204x43.163x1	Reinf. 6 Tension Rupture	72.1%	Pass
12.5 - 7.5	Pole + Reinf.	TP44.022x43.204x0.975	Reinf. 6 Tension Rupture	73.3%	Pass
7.5 - 3.5	Pole + Reinf.	TP44.677x44.022x0.975	Reinf. 6 Tension Rupture	74.1%	Pass
3.5 - 3.25	Pole + Reinf.	TP44.718x44.677x1.2	Reinf. 1 Tension Rupture	61.7%	Pass
3.25 - 0	Pole + Reinf.	TP45.25x44.718x1.175	Reinf. 1 Tension Rupture	62.4%	Pass
				Summary	
			Pole	88.9%	Pass
			Reinforcement	86.6%	Pass
			Overall	88.9%	Pass



# Monopole Base Plate Connection

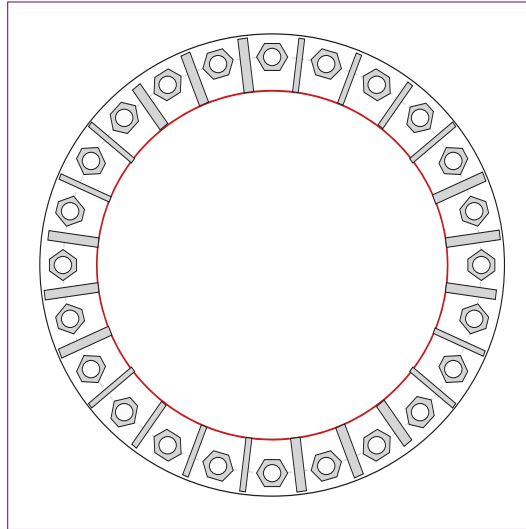


Site Info	
BU #	842859
Site Name	Bristol Center
Order #	654581 Rev. 1

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	See Custom Sheet
$I_{gr}$ (in)	See Custom Sheet

Applied Loads	
Moment (kip-ft)	4497.10
Axial Force (kips)	90.15
Shear Force (kips)	34.27

\*TIA-222-H Section 15.5 Applied



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

**Anchor Rod Data**  
 GROUP 1: (12) 2-1/4"  $\phi$  bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 54" BC  
 GROUP 2: (12) 2-1/4"  $\phi$  bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 54" BC

**Base Plate Data**  
 60" OD x 2" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

**Stiffener Data**  
 Group 1: (12) 15"H x 7"W x 0.75"T, Notch: 0.75"  
 plate: Fy= 65 ksi ; weld: Fy= 80 ksi  
 horiz. weld: 0.375" groove, 45° dbl bevel, 0.375" fillet  
 vert. weld: 0.3125" fillet

Group 2: (4) 45"H x 7"W x 1.25"T, Notch: 0.5"  
 plate: Fy= 65 ksi ; weld: Fy= 70 ksi  
 horiz. weld: 0.625" groove, 45° dbl bevel, 0.375" fillet  
 vert. weld: 0.375" fillet

Group 3: (4) 65"H x 7"W x 1.25"T, Notch: 0.75"  
 plate: Fy= 65 ksi ; weld: Fy= 80 ksi  
 horiz. weld: 0.625" groove, 45° dbl bevel, 0.3125" fillet  
 vert. weld: 0.3125" fillet

Group 4: (4) 198"H x 6.5"W x 1.25"T, Notch: 0.75" horiz. x 1.25" vert.  
 plate: Fy= 65 ksi ; weld: Fy= 80 ksi  
 horiz. weld: 0.625" groove, 45° dbl bevel, 0.3125" fillet  
 vert. weld: 0.3125" fillet

**Pole Data**  
 45.25" x 0.375" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

**Anchor Rod Summary** (units of kips, kip-in)

GROUP 1:		
Pu_t = 162.68	$\phi Pn\_t = 243.75$	<b>Stress Rating</b>
Vu = 1.43	$\phi Vn = 149.1$	<b>63.6%</b>
Mu = n/a	$\phi Mn = n/a$	<b>Pass</b>
GROUP 2:		
Pu_t = 162.68	$\phi Pn\_t = 243.75$	<b>Stress Rating</b>
Vu = 1.43	$\phi Vn = 149.1$	<b>63.6%</b>
Mu = n/a	$\phi Mn = n/a$	<b>Pass</b>

**Base Plate Summary**

Max Stress (ksi):	27.69	(Roark's Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	<b>48.8%</b>	<b>Pass</b>

**Stiffener Summary**

Horizontal Weld:	<b>43.2%</b>	<b>Pass</b>
Vertical Weld:	<b>56.2%</b>	<b>Pass</b>
Plate Flexure+Shear:	<b>18.5%</b>	<b>Pass</b>
Plate Tension+Shear:	<b>42.4%</b>	<b>Pass</b>
Plate Compression:	<b>54.4%</b>	<b>Pass</b>

**Pole Summary**

Punching Shear:	<b>18.1%</b>	<b>Pass</b>
-----------------	--------------	-------------



Elevation (ft) 0 (Base)

note: Bending interaction not considered when Grout Considered = "Yes"

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending	Grout Considered	Apply at BARB Elevation	BARB CL Elevation (ft)
1	Yes	Yes	Yes	Yes	No	
2	Yes	Yes	Yes	Yes	No	

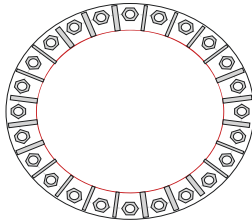
### Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, n <sub>i</sub>	l <sub>p</sub> (in):	Thread Type	Area Override, in <sup>2</sup>	Tension Only
1	1	0	2.25	A615-75	54	0.55	1.75	N-Included		No
2	1	30	2.25	A615-75	54	0.55	1.75	N-Included		No
3	1	60	2.25	A615-75	54	0.55	1.75	N-Included		No
4	1	90	2.25	A615-75	54	0.55	1.75	N-Included		No
5	1	120	2.25	A615-75	54	0.55	1.75	N-Included		No
6	1	150	2.25	A615-75	54	0.55	1.75	N-Included		No
7	1	180	2.25	A615-75	54	0.55	1.75	N-Included		No
8	1	210	2.25	A615-75	54	0.55	1.75	N-Included		No
9	1	240	2.25	A615-75	54	0.55	1.75	N-Included		No
10	1	270	2.25	A615-75	54	0.55	1.75	N-Included		No
11	1	300	2.25	A615-75	54	0.55	1.75	N-Included		No
12	1	330	2.25	A615-75	54	0.55	1.75	N-Included		No
13	2	15	2.25	A615-75	54	0.55	1.75	N-Included		No
14	2	45	2.25	A615-75	54	0.55	1.75	N-Included		No
15	2	75	2.25	A615-75	54	0.55	1.75	N-Included		No
16	2	105	2.25	A615-75	54	0.55	1.75	N-Included		No
17	2	135	2.25	A615-75	54	0.55	1.75	N-Included		No
18	2	165	2.25	A615-75	54	0.55	1.75	N-Included		No
19	2	195	2.25	A615-75	54	0.55	1.75	N-Included		No
20	2	225	2.25	A615-75	54	0.55	1.75	N-Included		No
21	2	255	2.25	A615-75	54	0.55	1.75	N-Included		No
22	2	285	2.25	A615-75	54	0.55	1.75	N-Included		No
23	2	315	2.25	A615-75	54	0.55	1.75	N-Included		No
24	2	345	2.25	A615-75	54	0.55	1.75	N-Included		No

### Custom Stiffener Connection

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	37.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
2	1	52.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
3	1	67.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
4	1	82.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
5	1	142.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
6	1	157.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
7	1	217.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
8	1	232.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
9	1	247.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
10	1	262.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
11	1	322.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
12	1	337.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.375	0.3125	80
13	2	7.5	7	45	1.25	0.5	0.5	65	Both	0.625	45	0.375	0.375	70
14	2	112.5	7	45	1.25	0.5	0.5	65	Both	0.625	45	0.375	0.375	70
15	2	187.5	7	45	1.25	0.5	0.5	65	Both	0.625	45	0.375	0.375	70
16	2	292.5	7	45	1.25	0.5	0.5	65	Both	0.625	45	0.375	0.375	70
17	3	22.5	7	65	1.25	0.75	0.75	65	Both	0.625	45	0.3125	0.3125	80
18	3	97.5	7	65	1.25	0.75	0.75	65	Both	0.625	45	0.3125	0.3125	80
19	3	202.5	7	65	1.25	0.75	0.75	65	Both	0.625	45	0.3125	0.3125	80
20	3	277.5	7	65	1.25	0.75	0.75	65	Both	0.625	45	0.3125	0.3125	80
21	4	127.5	6.5	198	1.25	0.75	1.25	65	Both	0.625	45	0.3125	0.3125	80
22	4	172.5	6.5	198	1.25	0.75	1.25	65	Both	0.625	45	0.3125	0.3125	80
23	4	307.5	6.5	198	1.25	0.75	1.25	65	Both	0.625	45	0.3125	0.3125	80
24	4	352.5	6.5	198	1.25	0.75	1.25	65	Both	0.625	45	0.3125	0.3125	80

### Plot Graphic



### Drilled Pier Foundation

BU # :	842859
Site Name:	Bristol Center
Order Number:	654581 Rev. 1
TIA-222 Revision:	H
Tower Type:	Monopole



Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	4497.1	
Axial Force (kips)	90.16	
Shear Force (kips)	34.25	

Material Properties		Rebar 2, Fy Override (ksi)
Concrete Strength, fc:	4 ksi	
Rebar Strength, Fy:	60 ksi	60
Tie Yield Strength, Fyt:	60 ksi	

Pier Design Data	
Depth	26 ft
Ext. Above Grade	1 ft
Pier Section 1	
<i>From 1' above grade to 19' below grade</i>	
Pier Diameter	6.5 ft
Rebar Quantity	16
Rebar Size	11
Rebar Cage Diameter	67 in
Tie Size	5
Tie Spacing	12 in
Rebar Quantity	8
Rebar Size	11
Rebar Cage Diameter	64 in
Pier Section 2	
<i>From 19' below grade to 26' below grade</i>	
Pier Diameter	6.5 ft
Rebar Quantity	16
Rebar Size	11
Rebar Cage Diameter	67 in
Tie Size	5
Tie Spacing	12 in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check		
D <sub>veo</sub> (ft from TOC)	7.97	-
Soil Safety Factor	2.19	-
Max Moment (kip-ft)	4777.19	-
Rating*	57.9%	-
Soil Vertical Check		
Skin Friction (kips)	529.45	-
End Bearing (kips)	412.76	-
Weight of Concrete (kips)	161.27	-
Total Capacity (kips)	942.20	-
Axial (kips)	251.43	-
Rating*	25.4%	-
Reinforced Concrete Flexure		
Critical Depth (ft from TOC)	7.78	-
Critical Moment (kip-ft)	4776.84	-
Critical Moment Capacity	5505.79	-
Rating*	82.6%	-
Reinforced Concrete Shear		
Critical Depth (ft from TOC)	20.76	-
Critical Shear (kip)	545.83	-
Critical Shear Capacity	599.56	-
Rating*	86.7%	-

Structural Foundation Rating*	86.7%
Soil Interaction Rating*	57.9%

\*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"/>
Design Options	
Input Effective Depths (else Actual):	<input type="checkbox"/>
Consider non-tapered moment capacity:	<input type="checkbox"/>
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](#)

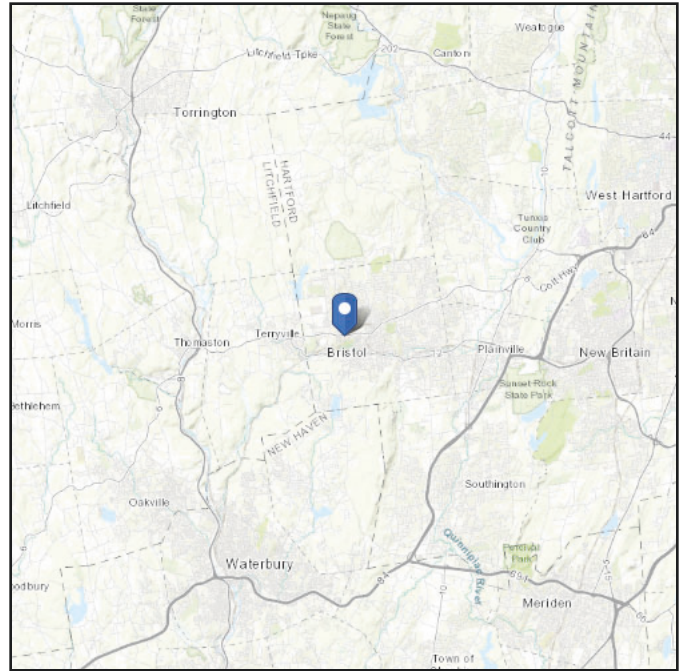
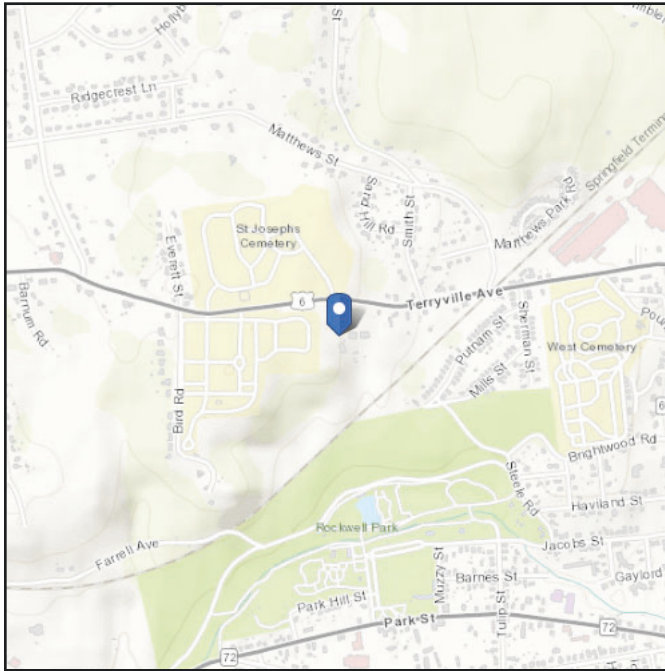
Soil Profile														
Groundwater Depth		N/A		# of Layers		8								
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ <sub>soil</sub> (pcf)	γ <sub>concrete</sub> (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	4	4	105	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	4	5	1	110	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	5	6	1	110	150	0	30	0.000	0.000	1.35	1.35			Cohesionless
4	6	8	2	115	150	0	31	0.000	0.000	0.57	0.57			Cohesionless
5	8	12	4	120	150	0	33	0.000	0.000	1.19	1.19			Cohesionless
6	12	20	8	115	150	0	31	0.000	0.000	1.73	1.73			Cohesionless
7	20	25	5	125	150	0	35	0.00	0.00	2.22	2.22			Cohesionless
8	25	26	1	130	150	0	37	0.00	0.00	2.38	2.38	13.56		Cohesionless

# ASCE Hazards Report

**Address:**  
No Address at This Location

**Standard:** ASCE/SEI 7-16  
**Risk Category:** II  
**Soil Class:** D - Default (see Section 11.4.3)

**Latitude:** 41.679917  
**Longitude:** -72.96255  
**Elevation:** 564.8 ft (NAVD 88)



## Wind

### Results:

Wind Speed	116 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	96 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2  
Date Accessed: Fri Jan 12 2024

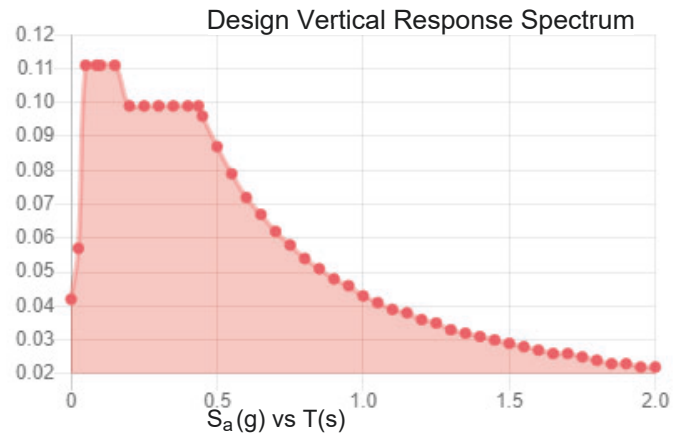
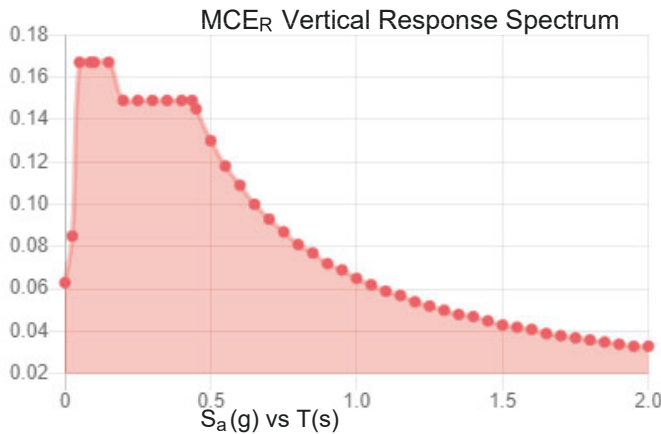
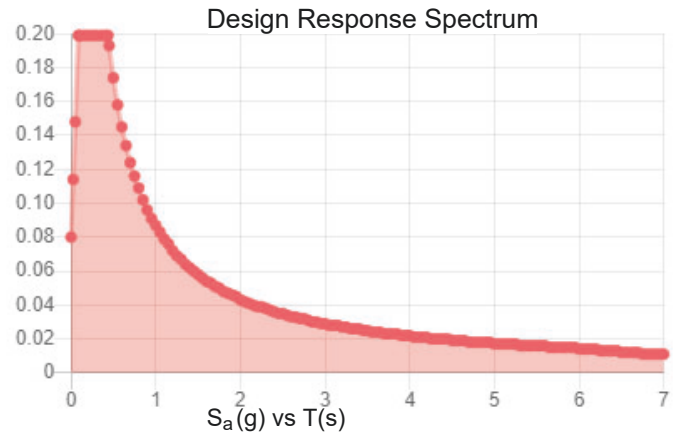
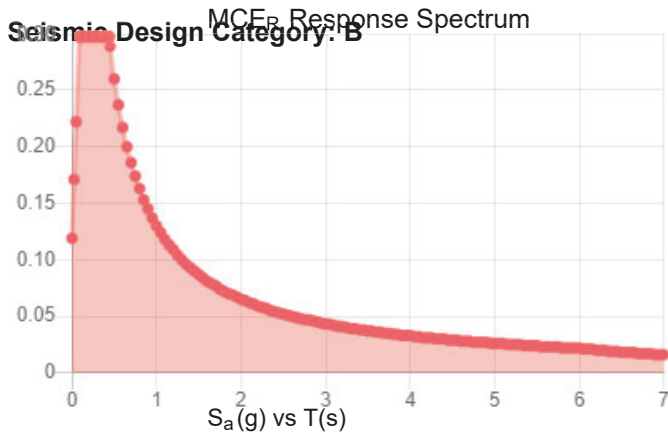
Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

**Site Soil Class:** D - Default (see Section 11.4.3)

**Results:**

$S_s$ :	0.186	$S_{D1}$ :	0.087
$S_1$ :	0.054	$T_L$ :	6
$F_a$ :	1.6	PGA :	0.101
$F_v$ :	2.4	PGA <sub>M</sub> :	0.161
$S_{MS}$ :	0.298	$F_{PGA}$ :	1.598
$S_{M1}$ :	0.13	$I_e$ :	1
$S_{DS}$ :	0.199	$C_v$ :	0.7



**Data Accessed:** Fri Jan 12 2024

**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:** Fri Jan 12 2024

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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The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

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Colliers Engineering & Design CT, P.C.  
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 #: 10206797  
Colliers Engineering & Design CT, P.C. Project #: 23777099

July 10, 2023

### Site Information

Site ID: 5000383506-VZW / BRISTOL W 2 CT  
Site Name: BRISTOL W 2 CT  
Carrier Name: Verizon Wireless  
Address: 371 Terryville Ave  
Bristol, Connecticut 06010  
Hartford County  
Latitude: 41.679972°  
Longitude: -72.962444°

### Structure Information

Tower Type: 180-Ft Monopole  
Mount Type: 11.67-Ft Platform

FUZE ID # 17123812

### Analysis Results

Platform: 39.5% 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: Andy Hanes



**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: 323494, dated May 27, 2021
Mount Mapping Report	Hudson Design Group, LLC, Site ID: 468192, dated June 16, 2021
Previous Mount Analysis	Maser Consulting Connecticut, Project #: 21781029, dated August 4, 2021
PMI Report	Colliers Engineering & Design, Project #: 21781029, dated December 6, 2022
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, $K_e$ : 0.980
Seismic Parameters:	$S_s$ : 0.188 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
139.00	140.00	2	KAelus	BSF0020F3V1-1	Added
		3	Commscope	NHH-65B-R2B	Retained
		3	Commscope	NHHSS-65B-R2BT0	
		3	Samsung	MT6407-77A	
		3	Amphenol Antel	BXA-70063-4CF	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RCDMC-6627-PF-48*	

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

It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required 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 CT, P.C. 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 CT, P.C. 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 CT, P.C. 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 CT, P.C.**

**Analysis Results:**

Component	Utilization %	Pass/Fail
Connection Check	39.5 %	Pass
Face Horizontal	14.0 %	Pass
Standoff Horizontal	29.5 %	Pass
Platform Crossmember	15.1 %	Pass
Mount Pipe	27.8 %	Pass
Corner Plate	19.0 %	Pass
Grating Support	15.8 %	Pass
Cross Arm Plate	30.3 %	Pass
Mount Pipe (2.5)	19.0 %	Pass
Support Rail	14.8 %	Pass
Support Rail Angle	29.0 %	Pass

<b>Structure Rating – (Controlling Utilization of all Components)</b>	<b>39.5%</b>
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**Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:**

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	23.5	23.5	37.9	37.9
0.5	30.6	30.6	50.8	50.8
1	37.0	37.0	62.9	62.9

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 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.

N/A
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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.vzwsmart.com>.

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

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MDG #: 5000383506

SMART Project #: 10206797

Fuze Project ID: 17123812

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

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

### **Base Requirements:**

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide “as built mount drawings” showing contractor’s name, contact information, preparer’s signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: <https://pmi.vzwsmart.com>

### **Photo Requirements:**

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

N/A

**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

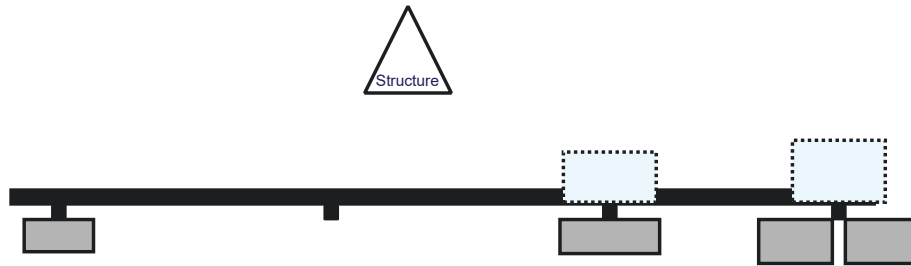
**Contractor to certify the condition of the safety climb and verify no damage when leaving the site:**

Safety Climb in Good Condition                       Safety Climb Damaged

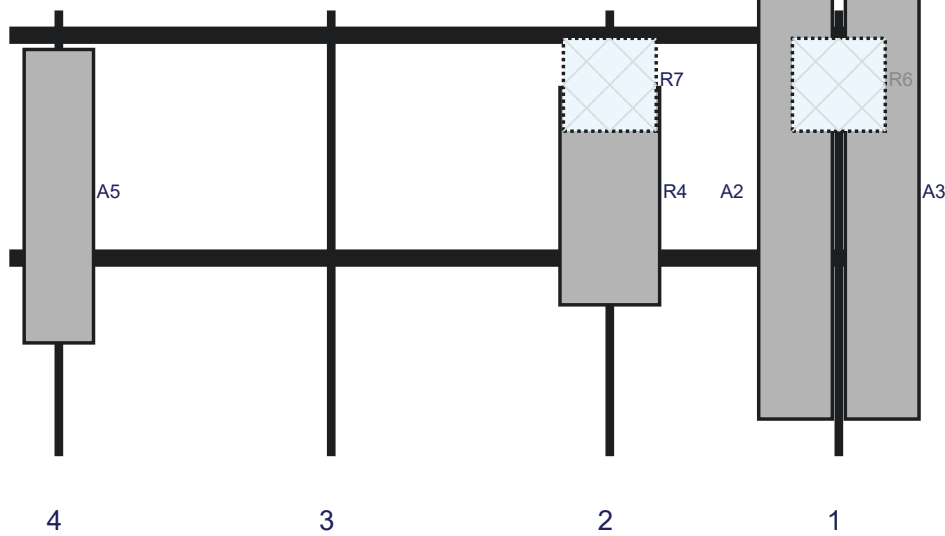
**Certifying Individual:**

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

Plan View

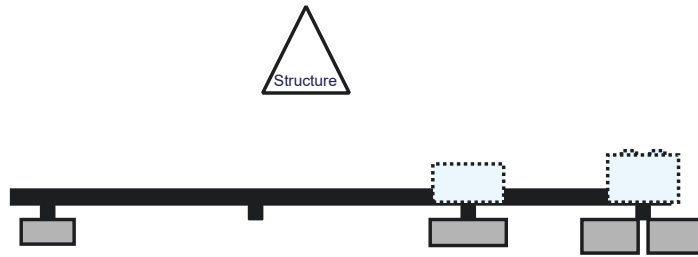


Front View - Looking at Structure

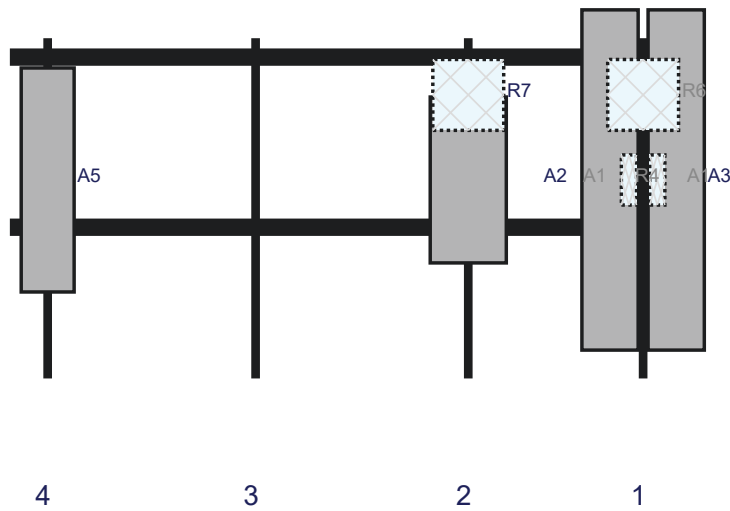


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	NHH-65B-R2B	72	11.9	134	1	a	Front	30	-7	Retained	11/23/2022
A3	NHHSS-65B-R2BT0	72	11.9	134	1	a	Front	30	7	Retained	11/23/2022
R6	B2/B66A RRRH-BR049	15	15	134	1	a	Behind	12	0	Retained	11/23/2022
R4	MT6407-77A	35.1	16.1	97	2	a	Front	30	0	Retained	11/23/2022
R7	B5/B13 RRRH-BR04C	15	15	97	2	a	Behind	12	0	Retained	11/23/2022
A5	BXA-70063-4CF	47.4	11.2	8	4	a	Front	30	0	Retained	11/23/2022

Plan View

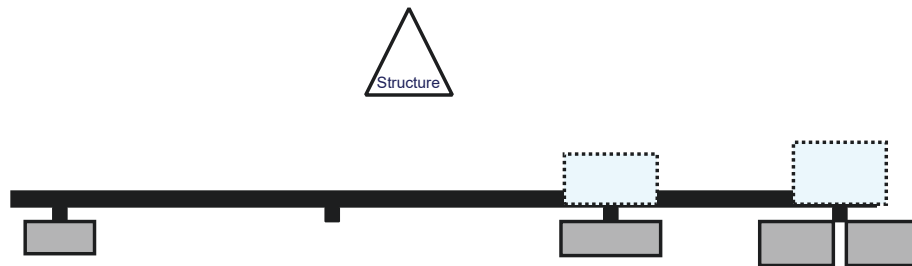


Front View - Looking at Structure

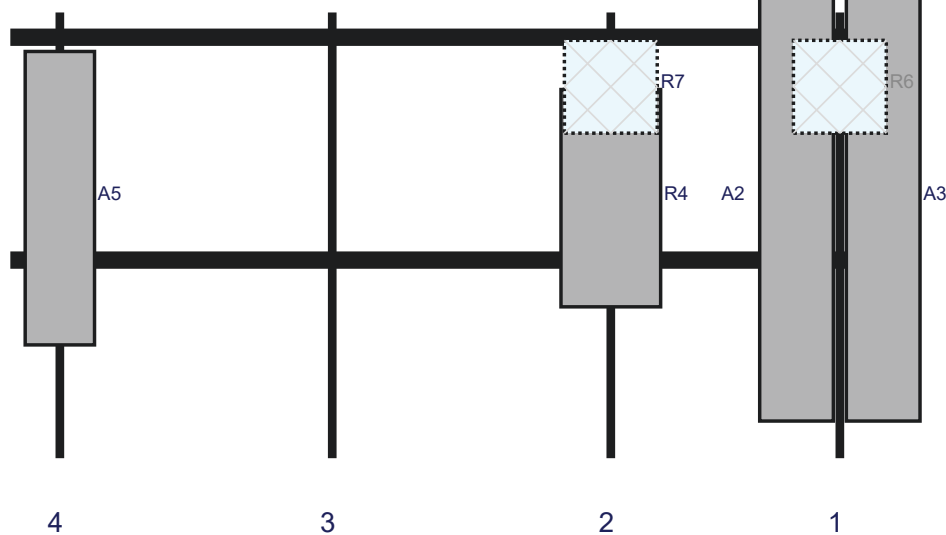


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	NHH-65B-R2B	72	11.9	134	1	a	Front	30	-7	Retained	11/23/2022
A3	NHHSS-65B-R2BT0	72	11.9	134	1	a	Front	30	7	Retained	11/23/2022
A1	BSF0020F3V1-1	10.6	3.2	134	1	a	Behind	30	3	Added	
A1	BSF0020F3V1-1	10.6	3.2	134	1	b	Behind	30	-3	Added	
R6	B2/B66A RRH-BR049	15	15	134	1	a	Behind	12	0	Retained	11/23/2022
R4	MT6407-77A	35.1	16.1	97	2	a	Front	30	0	Retained	11/23/2022
R7	B5/B13 RRH-BR04C	15	15	97	2	a	Behind	12	0	Retained	11/23/2022
A5	BXA-70063-4CF	47.4	11.2	8	4	a	Front	30	0	Retained	11/23/2022

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
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A3	NHHSS-65B-R2BT0	72	11.9	134	1	a	Front	30	7	Retained	11/23/2022
R6	B2/B66A RRR-BR049	15	15	134	1	a	Behind	12	0	Retained	11/23/2022
R4	MT6407-77A	35.1	16.1	97	2	a	Front	30	0	Retained	11/23/2022
R7	B5/B13 RRR-BR04C	15	15	97	2	a	Behind	12	0	Retained	11/23/2022
A5	BXA-70063-4CF	47.4	11.2	8	4	a	Front	30	0	Retained	11/23/2022





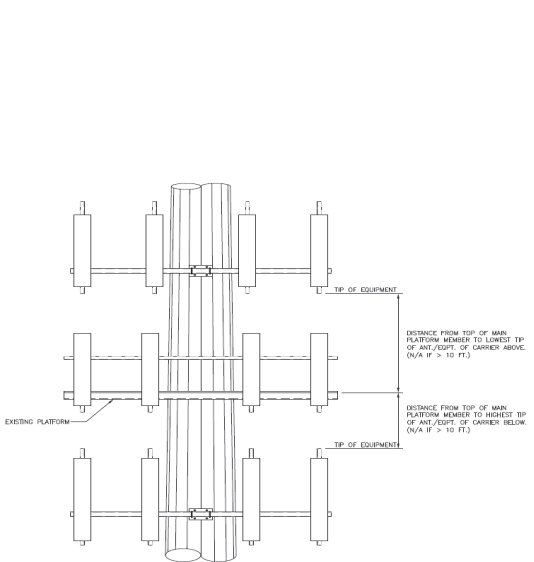


Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector			Sector B										
Sector A:	60.00	Deg	Leg A:		Deg	Ant <sub>1a</sub>	RFV01U-D1A	15.50	12.00	15.50		142.417	11.00	-9.00		66,77
Sector B:	180.00	Deg	Leg B:		Deg	Ant <sub>1b</sub>	(2) SBNHH - 1D65B w	12.00	7.00	73.00		140.417	35.00	10.00	180.00	66,76
Sector C:	300.00	Deg	Leg C:		Deg	Ant <sub>1c</sub>										
Sector D:		Deg	Leg D:		Deg	Ant <sub>2a</sub>	RFV01U-D2A	15.50	10.00	15.50		142.417	11.00	-8.00		66,78

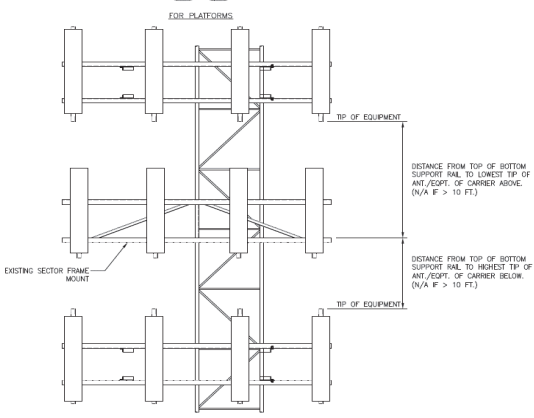
Climbing Facility Information			
Location:	290.00	Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.	
	Access:	Climbing path was unobstructed.	
	Condition:	Good condition.	

Ant <sub>2b</sub>																
Ant <sub>2c</sub>																
Ant <sub>3a</sub>																
Ant <sub>3b</sub>	BXA-70080-6CF	8.00	6.00	71.00			140.667	32.00	12.00	180.00						67,79
Ant <sub>3c</sub>																
Ant <sub>4a</sub>																
Ant <sub>4b</sub>	BXA-70063-4CF	11.00	5.00	47.00			140.667	32.00	9.00	180.00						67,80
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																

Please insert a photo of the mount centerline measurement here.

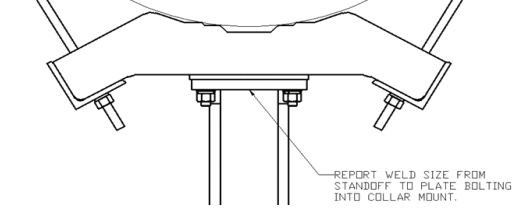


Sector C																
Ant <sub>1a</sub>	RFV01U-D1A	15.50	12.00	15.50			142.417	11.00	-9.00							68,77
Ant <sub>1b</sub>	(2) SBNHH - 1D65B w	12.00	7.00	73.00			140.417	35.00	10.00	300.00						68,76
Ant <sub>1c</sub>																
Ant <sub>2a</sub>	RFV01U-D2A	15.50	10.00	15.50			142.417	11.00	-8.00							68,78
Ant <sub>2b</sub>																
Ant <sub>2c</sub>																
Ant <sub>3a</sub>																
Ant <sub>3b</sub>	BXA-70080-6CF	8.00	6.00	71.00			140.667	32.00	12.00	300.00						69,79
Ant <sub>3c</sub>																
Ant <sub>4a</sub>																
Ant <sub>4b</sub>	BXA-70063-4CF	11.00	5.00	47.00			140.667	32.00	9.00	300.00						70,80
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																



Sector D																
Ant <sub>1a</sub>																
Ant <sub>1b</sub>																
Ant <sub>1c</sub>																
Ant <sub>2a</sub>																
Ant <sub>2b</sub>																
Ant <sub>2c</sub>																
Ant <sub>3a</sub>																
Ant <sub>3b</sub>																
Ant <sub>3c</sub>																
Ant <sub>4a</sub>																
Ant <sub>4b</sub>																
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																

For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



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

Issue #	Description of Issue	Photo #
1		
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 #

Tower Owner:	Crown	Mapping Date:	6/16/2021
Site Name:	BRISTOL W 2 CT	Tower Type:	Monopole
Site Number or ID:	468192	Tower Height (Ft.):	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	140

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

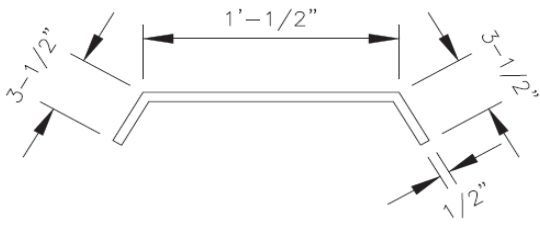
Please Insert Sketches of the Antenna Mount

6/17/2021

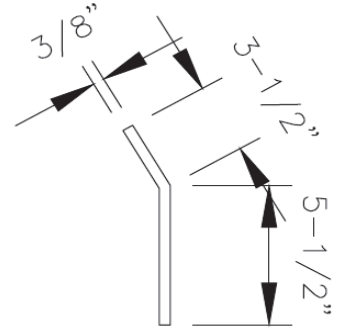


### MOUNT MAPPING CHECKLIST

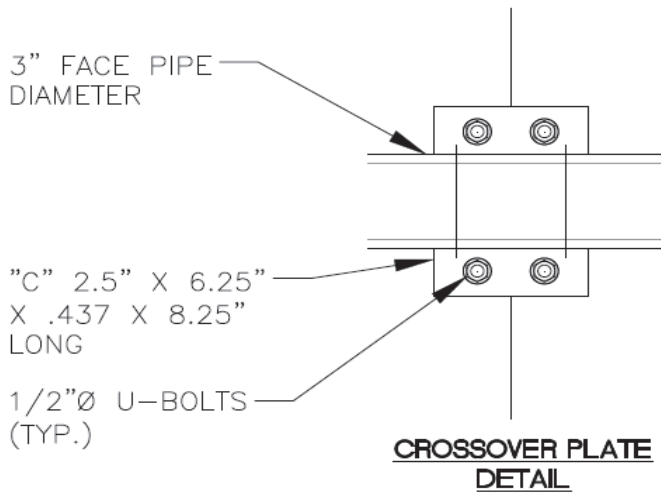
CARRIER:	COLLIER	SITE #:	Bristol W 2 CT	SITE NAME:	
DATE:	6/16/2021	MAPPED BY:	JC	SITE OWNER:	CROWN CASTLE
DESCRIPTION	STATUS	Value	Legend		
A: <u>FACE PIPE CONFIG.</u>	<input type="checkbox"/>	ROUND MAST			
SIZE		3-1/2"			
LENGTH		140"			
B: <u>STAND OFF SIZE</u>	<input type="checkbox"/>	4x4"			
C: <u>ANTENNA PIPE MAST</u>	<input type="checkbox"/>	1/8"			
DIA.		2-3/8"			
LENGTH		72"			
D: <u>MONOPOLE DIA.</u>	<input type="checkbox"/>	24 3/8"			
E: <u>RINGMOUNT</u>	<input type="checkbox"/>	10" x 3/8"			
F: <u>TOWER TO FACE</u>	<input type="checkbox"/>	37"			
G: <u>TOWER TO APEX</u>	<input type="checkbox"/>	70"			
H: <u>HARDWARE</u>	<input type="checkbox"/>	5/8" $\phi$			
I: <u>U-BOLTS</u>	<input type="checkbox"/>	1/2" $\phi$			
J: <u>A PLATE</u>	<input type="checkbox"/>	6" x 12.5" x 3.5" x 1/2"			
K: <u>B PLATE</u>	<input type="checkbox"/>	6" x 5.5" x 3.5" x 3/8"			
L: <u>ANGLE</u>	<input type="checkbox"/>	2" X2" X3/16"			
M: <u>MOUNTING PLATE</u>	<input type="checkbox"/>	10" x 10" x 5/8"			
N: <u>ALPHA POS 1</u>	<input type="checkbox"/>	(2) SBNHH - 1D65B w/ RFV01			
ALPHA POS 2	<input type="checkbox"/>	RFV01U-D2A			
ALPHA POS 3	<input type="checkbox"/>	BXA-70080-6CF			
ALPHA POS 4	<input type="checkbox"/>	BXA-70063-4CF			
ALPHA POS 5	<input type="checkbox"/>				
O: <u>BETA POS 1</u>	<input type="checkbox"/>	(2) SBNHH - 1D65B w/ RFV01			
BETA POS 2	<input type="checkbox"/>	RFV01U-D2A			
BETA POS 3	<input type="checkbox"/>	BXA-70063-4CF			
BETA POS 4	<input type="checkbox"/>	BXA-70063-4CF			
BETA POS 5	<input type="checkbox"/>				
P: <u>GAMMA POS 1</u>	<input type="checkbox"/>	(2) SBNHH - 1D65B w/ RFV01			
GAMMA POS 2	<input type="checkbox"/>	RFV01U-D2A			
GAMMA POS 3	<input type="checkbox"/>	BXA-70080-6CF			
GAMMA POS 4	<input type="checkbox"/>	BXA-70063-4CF			
GAMMA POS 5	<input type="checkbox"/>				
Q: <u>TMA</u>	<input type="checkbox"/>	None			
R: <u>RADIOS</u>	<input type="checkbox"/>	6			
S: <u>SURGE</u>	<input type="checkbox"/>	1			
T: <u>SECOND MOUNT</u>	<input type="checkbox"/>	None			
COMMENTS:				<b>FACE SKETCH</b>	



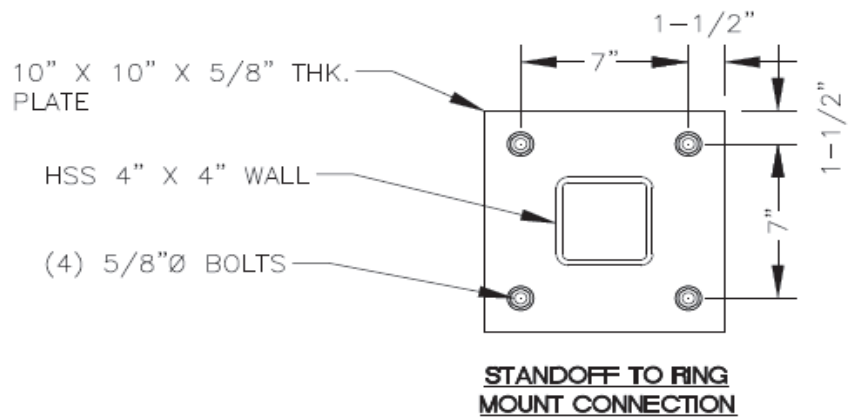
**DETAIL J**  
**APEX 'A' PLATE DETAIL**



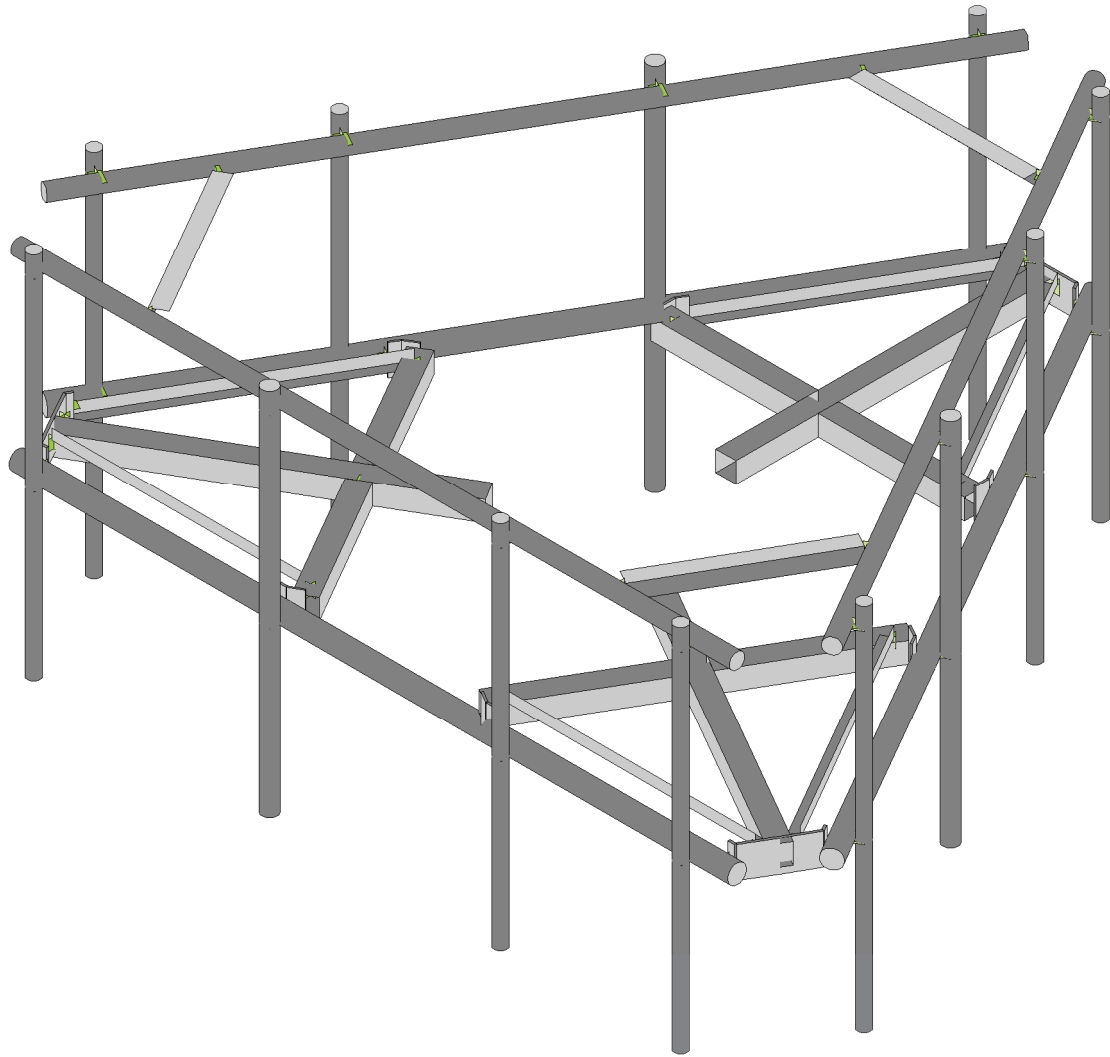
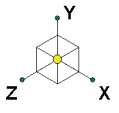
**DETAIL K**  
**'B' PLATE DETAIL**



**CROSSOVER PLATE**  
**DETAIL**



**STANDOFF TO RING**  
**MOUNT CONNECTION**

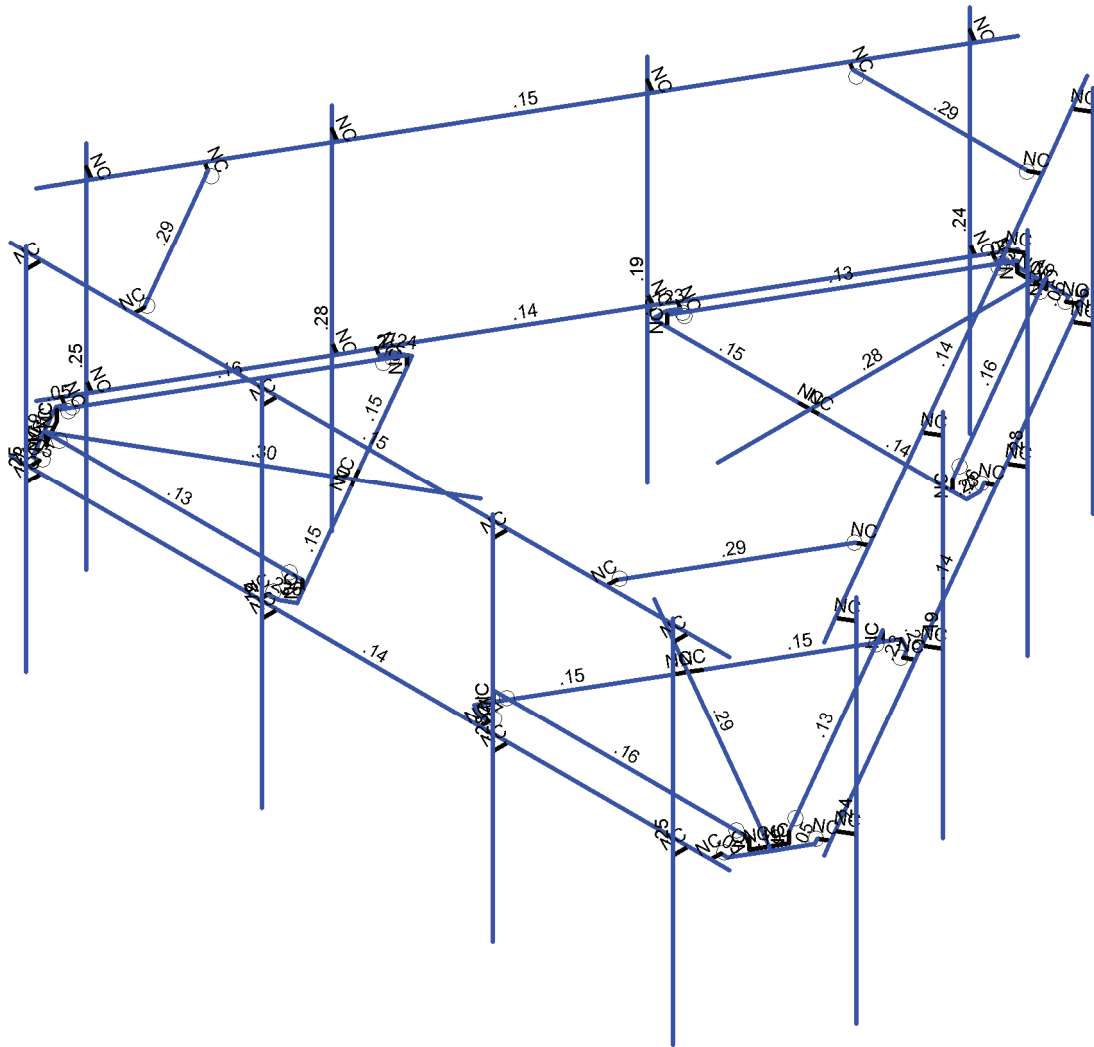
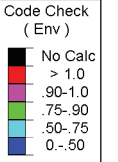
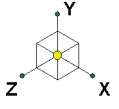


Envelope Only Solution

SK - 1

July 7, 2023 at 4:23 PM

5000383506-VZW\_MT\_LO\_H.r3d



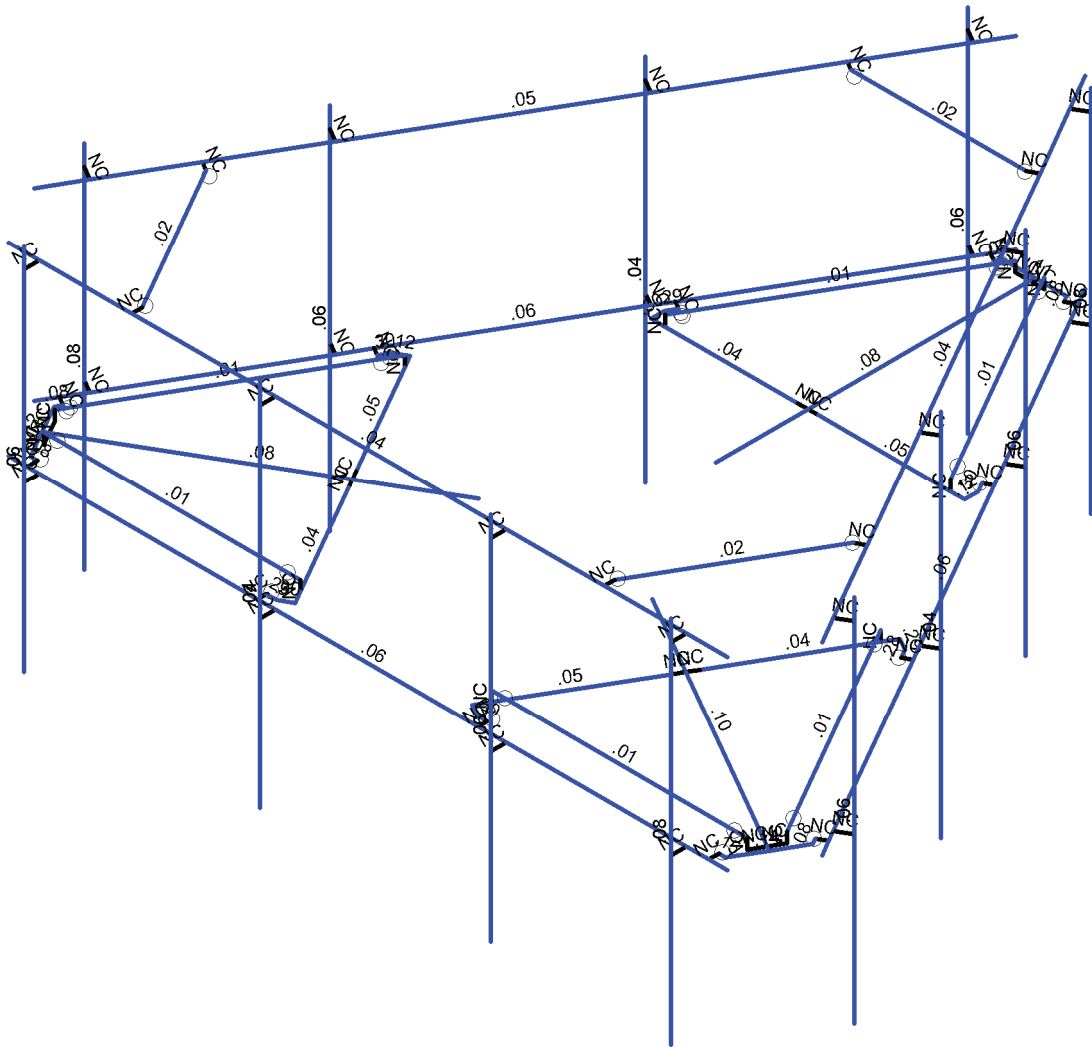
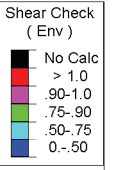
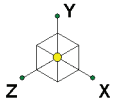
Member Code Checks Displayed (Enveloped)  
Envelope Only Solution

SK - 2

July 7, 2023 at 4:23 PM

5000383506-VZW\_MT\_LO\_H.r3d





Member Shear Checks Displayed (Enveloped)  
Envelope Only Solution

		SK - 3
		July 7, 2023 at 4:23 PM
		5000383506-VZW_MT_LO_H.r3d



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 7, 2023  
 4:23 PM  
 Checked By: \_\_\_\_\_

**Basic Load Cases**

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...)	Surface(P...
1	Antenna D	None					93		
2	Antenna Di	None					93		
3	Antenna Wo (0 Deg)	None					93		
4	Antenna Wo (30 Deg)	None					93		
5	Antenna Wo (60 Deg)	None					93		
6	Antenna Wo (90 Deg)	None					93		
7	Antenna Wo (120 Deg)	None					93		
8	Antenna Wo (150 Deg)	None					93		
9	Antenna Wo (180 Deg)	None					93		
10	Antenna Wo (210 Deg)	None					93		
11	Antenna Wo (240 Deg)	None					93		
12	Antenna Wo (270 Deg)	None					93		
13	Antenna Wo (300 Deg)	None					93		
14	Antenna Wo (330 Deg)	None					93		
15	Antenna Wi (0 Deg)	None					93		
16	Antenna Wi (30 Deg)	None					93		
17	Antenna Wi (60 Deg)	None					93		
18	Antenna Wi (90 Deg)	None					93		
19	Antenna Wi (120 Deg)	None					93		
20	Antenna Wi (150 Deg)	None					93		
21	Antenna Wi (180 Deg)	None					93		
22	Antenna Wi (210 Deg)	None					93		
23	Antenna Wi (240 Deg)	None					93		
24	Antenna Wi (270 Deg)	None					93		
25	Antenna Wi (300 Deg)	None					93		
26	Antenna Wi (330 Deg)	None					93		
27	Antenna Wm (0 Deg)	None					93		
28	Antenna Wm (30 Deg)	None					93		
29	Antenna Wm (60 Deg)	None					93		
30	Antenna Wm (90 Deg)	None					93		
31	Antenna Wm (120 Deg)	None					93		
32	Antenna Wm (150 Deg)	None					93		
33	Antenna Wm (180 Deg)	None					93		
34	Antenna Wm (210 Deg)	None					93		
35	Antenna Wm (240 Deg)	None					93		
36	Antenna Wm (270 Deg)	None					93		
37	Antenna Wm (300 Deg)	None					93		
38	Antenna Wm (330 Deg)	None					93		
39	Structure D	None		-1					3
40	Structure Di	None						57	3
41	Structure Wo (0 Deg)	None						114	
42	Structure Wo (30 Deg)	None						114	
43	Structure Wo (60 Deg)	None						114	
44	Structure Wo (90 Deg)	None						114	
45	Structure Wo (120 D...	None						114	
46	Structure Wo (150 D...	None						114	
47	Structure Wo (180 D...	None						114	
48	Structure Wo (210 D...	None						114	
49	Structure Wo (240 D...	None						114	
50	Structure Wo (270 D...	None						114	
51	Structure Wo (300 D...	None						114	
52	Structure Wo (330 D...	None						114	
53	Structure Wi (0 Deg)	None						114	



Company :  
 Designer :  
 Job Number :  
 Model Name :

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 Checked By: \_\_\_\_\_

**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						114	
55 Structure Wi (60 Deg)	None						114	
56 Structure Wi (90 Deg)	None						114	
57 Structure Wi (120 De..)	None						114	
58 Structure Wi (150 De..)	None						114	
59 Structure Wi (180 De..)	None						114	
60 Structure Wi (210 De..)	None						114	
61 Structure Wi (240 De..)	None						114	
62 Structure Wi (270 De..)	None						114	
63 Structure Wi (300 De..)	None						114	
64 Structure Wi (330 De..)	None						114	
65 Structure Wm (0 Deg)	None						114	
66 Structure Wm (30 De..)	None						114	
67 Structure Wm (60 De..)	None						114	
68 Structure Wm (90 De..)	None						114	
69 Structure Wm (120 D..)	None						114	
70 Structure Wm (150 D..)	None						114	
71 Structure Wm (180 D..)	None						114	
72 Structure Wm (210 D..)	None						114	
73 Structure Wm (240 D..)	None						114	
74 Structure Wm (270 D..)	None						114	
75 Structure Wm (300 D..)	None						114	
76 Structure Wm (330 D..)	None						114	
77 Lm1	None					1		
78 Lm2	None					1		
79 Lv1	None					1		
80 Lv2	None					1		
81 Antenna Ev	None					93		
82 Antenna Eh (0 Deg)	None					62		
83 Antenna Eh (90 Deg)	None					62		
84 Structure Ev	ELY		-0.023					3
85 Structure Eh (0 Deg)	ELZ			-0.056				3
86 Structure Eh (90 Deg)	ELX	.056						3
87 BLC 39 Transient Are..	None						30	
88 BLC 40 Transient Are..	None						30	
89 BLC 84 Transient Are..	None						30	
90 BLC 85 Transient Are..	None						30	
91 BLC 86 Transient Are..	None						30	

**Load Combinations**

Description	Sol..P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	
1 1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1										
2 1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1										
3 1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1										
4 1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1										
5 1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1										
6 1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1										
7 1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1										
8 1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1										
9 1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1										
10 1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1										
11 1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1										
12 1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1										
13 1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1						
14 1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1						



Company :  
 Designer :  
 Job Number :  
 Model Name :

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 Checked By: \_\_\_\_\_

**Load Combinations (Continued)**

	Description	Sol	P	S	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 (60 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1							
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1							
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1							
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1							
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1							
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1							
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1							
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1							
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1							
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1							
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1									
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1									
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1									
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1									
29	1.2D + 1.5Lm1 + 1.0Wm (120 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1									
30	1.2D + 1.5Lm1 + 1.0Wm (150 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1									
31	1.2D + 1.5Lm1 + 1.0Wm (180 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1									
32	1.2D + 1.5Lm1 + 1.0Wm (210 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1									
33	1.2D + 1.5Lm1 + 1.0Wm (240 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1									
34	1.2D + 1.5Lm1 + 1.0Wm (270 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1									
35	1.2D + 1.5Lm1 + 1.0Wm (300 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1									
36	1.2D + 1.5Lm1 + 1.0Wm (330 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1									
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1									
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1									
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1									
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1									
41	1.2D + 1.5Lm2 + 1.0Wm (120 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1									
42	1.2D + 1.5Lm2 + 1.0Wm (150 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1									
43	1.2D + 1.5Lm2 + 1.0Wm (180 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1									
44	1.2D + 1.5Lm2 + 1.0Wm (210 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1									
45	1.2D + 1.5Lm2 + 1.0Wm (240 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1									
46	1.2D + 1.5Lm2 + 1.0Wm (270 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1									
47	1.2D + 1.5Lm2 + 1.0Wm (300 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1									
48	1.2D + 1.5Lm2 + 1.0Wm (330 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1									
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5													
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5													
51	1.4D	Yes	Y		1	1.4	39	1.4															
52	1.2D + 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		E...	1	E...				
53	1.2D + 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	E...	.866	E...		.5		
54	1.2D + 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	E...	.5	E...		.866		
55	1.2D + 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	E...		E...		1		
56	1.2D + 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	E...	-.5	E...		.866		
57	1.2D + 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	E...	-.8...	E...		.5		
58	1.2D + 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		E...	-1	E...				
59	1.2D + 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	E...	-.8...	E...		-.5		
60	1.2D + 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	E...	-.5	E...		-.8...		
61	1.2D + 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	E...		E...		-1		
62	1.2D + 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	E...	.5	E...		-.8...		
63	1.2D + 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	E...	.866	E...		-.5		
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		E...	1	E...				
65	0.9D - 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	E...	.866	E...		.5		
66	0.9D - 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	E...	.5	E...		.866		
67	0.9D - 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	E...		E...		1		
68	0.9D - 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	E...	-.5	E...		.866		
69	0.9D - 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	E...	-.8...	E...		.5		
70	0.9D - 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		E...	-1	E...				
71	0.9D - 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	E...	-.8...	E...		-.5		

### Load Combinations (Continued)

	Description	Sol	P	S	B	Fa	B	Fa	B	Fa	B	Fa	B	Fa	B	Fa	B	Fa	B	Fa	B	Fa	
72	0.9D - 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...			
73	0.9D - 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	E...		E...	-1			
74	0.9D - 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	E...	.5	E...	-.8...			
75	0.9D - 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	E...	.866	E...	-.5			

### Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	5.833333	0	4.018857	0	
2	N2	-5.833333	0	4.018857	0	
3	N3	0	0	-1.625	0	
4	N5	-2.541667	0	-3.125	0	
5	N6	2.315104	0.166667	-3.125	0	
6	N7	-2.315104	0.166667	-3.125	0	
7	N8	5.166667	0	4.018857	0	
8	N9	5.166667	0	4.268857	0	
9	N22	5.166667	-2.666667	4.268857	0	
10	N23	5.166667	3.333333	4.268857	0	
11	N24	0	0	-3.125	0	
12	N27	0	0	-6.8125	0	
13	CP	0	0	0	0	
14	N29	2.315104	0	-3.125	0	
15	N30	-2.315104	0	-3.125	0	
16	N101	2.541667	0	-3.125	0	
17	N102	-0.166667	0	-3.125	0	
18	N103A	0.166667	0	-3.125	0	
19	N104A	-2.541667	0	-3.34375	0	
20	N105	2.541667	0	-3.34375	0	
21	N131	2.458333	0	-3.488088	0	
22	N135	0.571615	0	-6.715523	0	
23	N144	-2.458333	0	-3.488088	0	
24	N148	-0.571615	0	-6.715523	0	
25	N86A	2.584629	0	-3.561004	0	
26	N86B	-2.584629	0	-3.561004	0	
27	N86C	-0.515625	0	-6.8125	0	
28	N87A	0.515625	0	-6.8125	0	
29	N86D	0.715429	0	-6.798554	0	
30	N86E	-0.715429	0	-6.798554	0	
31	N88A	0	0	-6.729167	0	
32	N87C	0.234238	0.166667	-6.729167	0	
33	N86G	0.234238	0	-6.729167	0	
34	N87B	-0.234238	0.166667	-6.729167	0	
35	N88C	-0.234238	0	-6.729167	0	
36	N36	-1.407291	0	0.8125	0	
37	N37	-1.435496	0	3.763648	0	
38	N38	-3.863881	0.166667	-0.442439	0	
39	N39	-1.548777	0.166667	3.567439	0	
40	N40	-2.706329	0	1.5625	0	
41	N41	-5.899798	0	3.40625	0	
42	N42	-3.863881	0	-0.442439	0	
43	N43	-1.548777	0	3.567439	0	
44	N44	-3.977163	0	-0.638648	0	
45	N45	-2.622996	0	1.706838	0	
46	N46	-2.789663	0	1.418162	0	
47	N47	-1.624939	0	3.873023	0	
48	N48	-4.166606	0	-0.529273	0	



Company :  
 Designer :  
 Job Number :  
 Model Name :

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**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N49	-4.249939	0	-0.384935	0	
50	N50	-6.101621	0	2.862729	0	
51	N51	-1.791606	0	3.873023	0	
52	N52	-5.530006	0	3.852794	0	
53	N53	-4.376235	0	-0.457852	0	
54	N54	-1.791606	0	4.018857	0	
55	N55	-5.641986	0	3.852794	0	
56	N56	-6.157611	0	2.959706	0	
57	N57	-6.245435	0	2.779698	0	
58	N58	-5.530006	0	4.018857	0	
59	N59	-5.827629	0	3.364583	0	
60	N60	-5.944748	0.166667	3.161728	0	
61	N61	-5.944748	0	3.161728	0	
62	N62	-5.71051	0.166667	3.567439	0	
63	N63	-5.71051	0	3.567439	0	
64	N64	1.407291	0	0.8125	0	
65	N65	3.977163	0	-0.638648	0	
66	N66	1.548777	0.166667	3.567439	0	
67	N67	3.863881	0.166667	-0.442439	0	
68	N68	2.706329	0	1.5625	0	
69	N69	5.899798	0	3.40625	0	
70	N70	1.548777	0	3.567439	0	
71	N71	3.863881	0	-0.442439	0	
72	N72	1.435496	0	3.763648	0	
73	N73	2.789663	0	1.418162	0	
74	N74	2.622996	0	1.706838	0	
75	N75	4.166606	0	-0.529273	0	
76	N76	1.624939	0	3.873023	0	
77	N77	1.791606	0	3.873023	0	
78	N78	5.530006	0	3.852794	0	
79	N79	4.249939	0	-0.384935	0	
80	N80	6.101621	0	2.862729	0	
81	N81	1.791606	0	4.018857	0	
82	N82	4.376235	0	-0.457852	0	
83	N83	6.157611	0	2.959706	0	
84	N84	5.641986	0	3.852794	0	
85	N85	5.530006	0	4.018857	0	
86	N86	6.245435	0	2.779698	0	
87	N87	5.827629	0	3.364583	0	
88	N88	5.71051	0.166667	3.567439	0	
89	N89	5.71051	0	3.567439	0	
90	N90	5.944748	0.166667	3.161728	0	
91	N91	5.944748	0	3.161728	0	
92	N92	2.25	0	4.018857	0	
93	N93	2.25	0	4.268857	0	
94	N94	2.25	-2.666667	4.268857	0	
95	N95	2.25	3.333333	4.268857	0	
96	N96	-1.5	0	4.018857	0	
97	N97	-1.5	0	4.268857	0	
98	N98	-1.5	-2.666667	4.268857	0	
99	N99	-1.5	3.333333	4.268857	0	
100	N100	-5.333333	0	4.018857	0	
101	N101A	-5.333333	0	4.268857	0	
102	N102A	-5.333333	-2.666667	4.268857	0	
103	N103	-5.333333	3.333333	4.268857	0	
104	N104	0.563765	0	-7.061243	0	
105	N105A	6.397099	0	3.042387	0	



Company :  
 Designer :  
 Job Number :  
 Model Name :

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**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
106	N106	0.897099	0	-6.483893	0	
107	N107	1.113605	0	-6.608893	0	
108	N108	1.113605	-2.666667	-6.608893	0	
109	N109	1.113605	3.333333	-6.608893	0	
110	N110	2.355432	0	-3.957985	0	
111	N111	2.571938	0	-4.082985	0	
112	N112	2.571938	-2.666667	-4.082985	0	
113	N113	2.571938	3.333333	-4.082985	0	
114	N114	4.230432	0	-0.71039	0	
115	N115	4.446938	0	-0.83539	0	
116	N116	4.446938	-2.666667	-0.83539	0	
117	N117	4.446938	3.333333	-0.83539	0	
118	N118	6.147099	0	2.609374	0	
119	N119	6.363605	0	2.484374	0	
120	N120	6.363605	-2.666667	2.484374	0	
121	N121	6.363605	3.333333	2.484374	0	
122	N122	-6.397099	0	3.042387	0	
123	N123	-0.563765	0	-7.061243	0	
124	N124	-6.063765	0	2.465036	0	
125	N125	-6.280272	0	2.340036	0	
126	N126	-6.280272	-2.666667	2.340036	0	
127	N127	-6.280272	3.333333	2.340036	0	
128	N128	-4.605432	0	-0.060871	0	
129	N129	-4.821938	0	-0.185871	0	
130	N130	-4.821938	-2.666667	-0.185871	0	
131	N131A	-4.821938	3.333333	-0.185871	0	
132	N132	-2.730432	0	-3.308466	0	
133	N133	-2.946938	0	-3.433466	0	
134	N134	-2.946938	-2.666667	-3.433466	0	
135	N135A	-2.946938	3.333333	-3.433466	0	
136	N136	-0.813765	0	-6.62823	0	
137	N137	-1.030272	0	-6.75323	0	
138	N138	-1.030272	-2.666667	-6.75323	0	
139	N139	-1.030272	3.333333	-6.75323	0	
140	N140	0.563765	3	-7.061243	0	
141	N141	6.397099	3	3.042387	0	
142	N142	0.897099	3	-6.483893	0	
143	N143	1.113605	3	-6.608893	0	
144	N144A	2.355432	3	-3.957985	0	
145	N145	2.571938	3	-4.082985	0	
146	N146	4.230432	3	-0.71039	0	
147	N147	4.446938	3	-0.83539	0	
148	N148A	6.147099	3	2.609374	0	
149	N149	6.363605	3	2.484374	0	
150	N150	-6.397099	3	3.042387	0	
151	N151	-0.563765	3	-7.061243	0	
152	N152	-6.063765	3	2.465036	0	
153	N153	-6.280272	3	2.340036	0	
154	N154	-4.605432	3	-0.060871	0	
155	N155	-4.821938	3	-0.185871	0	
156	N156	-2.730432	3	-3.308466	0	
157	N157	-2.946938	3	-3.433466	0	
158	N158	-0.813765	3	-6.62823	0	
159	N159	-1.030272	3	-6.75323	0	
160	N160	5.833333	3	4.018857	0	
161	N161	-5.833333	3	4.018857	0	
162	N162	5.166667	3	4.018857	0	

### Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
163	N163	5.166667	3	4.268857	0	
164	N164	2.25	3	4.018857	0	
165	N165	2.25	3	4.268857	0	
166	N166	-1.5	3	4.018857	0	
167	N167	-1.5	3	4.268857	0	
168	N168	-5.333333	3	4.018857	0	
169	N169	-5.333333	3	4.268857	0	
170	N170	3.833333	3	4.018857	0	
171	N171	-3.833333	3	4.018857	0	
172	N172	3.833333	3	3.85219	0	
173	N173	-3.833333	3	3.85219	0	
174	N182	1.563765	3	-5.329192	0	
175	N183	5.397099	3	1.310336	0	
176	N184	1.419428	3	-5.245859	0	
177	N185	5.252761	3	1.393669	0	
178	N186	-5.397099	3	1.310336	0	
179	N187	-1.563765	3	-5.329192	0	
180	N188	-5.252761	3	1.393669	0	
181	N189	-1.419428	3	-5.245859	0	

### Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
3	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
5	Platform Crossmem...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
6	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
7	Support Rail Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Mount Pipe (2.5)	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101

### Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

### Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	FACE	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	LIVE2	N8	N9			RIGID	None	None	RIGID	Typical
5	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
6	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical



**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
7	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
8	M35A	N7	N30			RIGID	None	None	RIGID	Typical
9	M36A	N6	N29			RIGID	None	None	RIGID	Typical
10	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
11	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
12	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
13	M58	N102	N24			RIGID	None	None	RIGID	Typical
14	M59	N24	N103A			RIGID	None	None	RIGID	Typical
15	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
16	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
17	M79	N131	N86A			RIGID	None	None	RIGID	Typical
18	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
19	M83	N135	N86D			RIGID	None	None	RIGID	Typical
20	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
21	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M88	N144	N86B			RIGID	None	None	RIGID	Typical
23	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
24	M92	N148	N86E			RIGID	None	None	RIGID	Typical
25	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
26	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
27	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
28	M28	N36	N41			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
29	M29	N44	N46			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
30	M30	N45	N37			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
31	M31	N55	N56			Corner Plate	Beam	BAR	A36 Gr.36	Typical
32	M32	N39	N43			RIGID	None	None	RIGID	Typical
33	M33	N38	N42			RIGID	None	None	RIGID	Typical
34	M34	N60	N38			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
35	M35	N39	N62			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
36	M36	N62	N63			RIGID	None	None	RIGID	Typical
37	M37	N45	N40			RIGID	None	None	RIGID	Typical
38	M38	N40	N46			RIGID	None	None	RIGID	Typical
39	M39	N44	N48			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
40	M40	N48	N49			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
41	M41	N49	N53			RIGID	None	None	RIGID	Typical
42	M42	N56	N50			Corner Plate	Beam	BAR	A36 Gr.36	Typical
43	M43A	N50	N57			RIGID	None	None	RIGID	Typical
44	M44	N37	N47			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
45	M45	N47	N51			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M46A	N51	N54			RIGID	None	None	RIGID	Typical
47	M47	N55	N52			Corner Plate	Beam	BAR	A36 Gr.36	Typical
48	M48	N52	N58			RIGID	None	None	RIGID	Typical
49	M49	N63	N59			RIGID	None	None	RIGID	Typical
50	M50A	N59	N61			RIGID	None	None	RIGID	Typical
51	M51C	N60	N61			RIGID	None	None	RIGID	Typical
52	M52A	N64	N69			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
53	M53	N72	N74			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
54	M54	N73	N65			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
55	M55	N83	N84			Corner Plate	Beam	BAR	A36 Gr.36	Typical
56	M56	N67	N71			RIGID	None	None	RIGID	Typical
57	M57	N66	N70			RIGID	None	None	RIGID	Typical
58	M58A	N88	N66			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
59	M59A	N67	N90			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
60	M60	N90	N91			RIGID	None	None	RIGID	Typical
61	M61	N73	N68			RIGID	None	None	RIGID	Typical
62	M62	N68	N74			RIGID	None	None	RIGID	Typical
63	M63	N72	N76			Cross Arm Plate	Column	RECT	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
64	M64	N76	N77			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
65	M65	N77	N81			RIGID	None	None	RIGID	Typical
66	M66	N84	N78			Corner Plate	Beam	BAR	A36 Gr.36	Typical
67	M67	N78	N85			RIGID	None	None	RIGID	Typical
68	M68	N65	N75			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	M69	N75	N79			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M70	N79	N82			RIGID	None	None	RIGID	Typical
71	M71	N83	N80			Corner Plate	Beam	BAR	A36 Gr.36	Typical
72	M72	N80	N86			RIGID	None	None	RIGID	Typical
73	M73	N91	N87			RIGID	None	None	RIGID	Typical
74	M74	N87	N89			RIGID	None	None	RIGID	Typical
75	M75	N88	N89			RIGID	None	None	RIGID	Typical
76	M76A	N92	N93			RIGID	None	None	RIGID	Typical
77	MP2A	N95	N94			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	LIVE1	N96	N97			RIGID	None	None	RIGID	Typical
79	MP3A	N99	N98			Mount Pipe (2.5)	Column	Pipe	A53 Gr.B	Typical
80	M80A	N100	N101A			RIGID	None	None	RIGID	Typical
81	MP4A	N103	N102A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M82	N104	N105A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
83	M83A	N106	N107			RIGID	None	None	RIGID	Typical
84	MP1C	N109	N108			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
85	M85A	N110	N111			RIGID	None	None	RIGID	Typical
86	MP2C	N113	N112			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
87	M87	N114	N115			RIGID	None	None	RIGID	Typical
88	MP3C	N117	N116			Mount Pipe (2.5)	Column	Pipe	A53 Gr.B	Typical
89	M89	N118	N119			RIGID	None	None	RIGID	Typical
90	MP4C	N121	N120			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	M91A	N122	N123			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
92	M92A	N124	N125			RIGID	None	None	RIGID	Typical
93	MP1B	N127	N126			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M94	N128	N129			RIGID	None	None	RIGID	Typical
95	MP2B	N131A	N130			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M96	N132	N133			RIGID	None	None	RIGID	Typical
97	MP3B	N135A	N134			Mount Pipe (2.5)	Column	Pipe	A53 Gr.B	Typical
98	M98	N136	N137			RIGID	None	None	RIGID	Typical
99	MP4B	N139	N138			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N140	N141			Support Rail	Beam	Pipe	A53 Gr.B	Typical
101	M101	N142	N143			RIGID	None	None	RIGID	Typical
102	M102	N144A	N145			RIGID	None	None	RIGID	Typical
103	M103	N146	N147			RIGID	None	None	RIGID	Typical
104	M104	N148A	N149			RIGID	None	None	RIGID	Typical
105	M105	N150	N151			Support Rail	Beam	Pipe	A53 Gr.B	Typical
106	M106	N152	N153			RIGID	None	None	RIGID	Typical
107	M107	N154	N155			RIGID	None	None	RIGID	Typical
108	M108	N156	N157			RIGID	None	None	RIGID	Typical
109	M109	N158	N159			RIGID	None	None	RIGID	Typical
110	M110	N160	N161			Support Rail	Beam	Pipe	A53 Gr.B	Typical
111	M111	N162	N163			RIGID	None	None	RIGID	Typical
112	M112	N164	N165			RIGID	None	None	RIGID	Typical
113	M113	N166	N167			RIGID	None	None	RIGID	Typical
114	M114	N168	N169			RIGID	None	None	RIGID	Typical
115	M115	N171	N173			RIGID	None	None	RIGID	Typical
116	M116	N170	N172			RIGID	None	None	RIGID	Typical
117	M121	N173	N188		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
118	M128	N185	N172		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
119	M135	N189	N184		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
120	M124	N183	N185			RIGID	None	None	RIGID	Typical



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**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
121	M125	N182	N184			RIGID	None	None	RIGID	Typical
122	M126	N187	N189			RIGID	None	None	RIGID	Typical
123	M127	N186	N188			RIGID	None	None	RIGID	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	FACE						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	LIVE2						Yes	** NA **			None
5	MP1A						Yes	** NA **			None
6	M43						Yes	Default			None
7	M46						Yes	Default			None
8	M35A						Yes	** NA **			None
9	M36A						Yes	** NA **			None
10	M51B	OOOOOX	OOOOOX				Yes	Default			None
11	M52B	OOOOOX	OOOOOX				Yes	Default			None
12	M52						Yes	** NA **			None
13	M58						Yes	** NA **			None
14	M59						Yes	** NA **			None
15	M76						Yes	** NA **			None
16	M77						Yes	** NA **			None
17	M79		BenPIN				Yes	** NA **			None
18	M80						Yes				None
19	M83		BenPIN				Yes	** NA **			None
20	M84						Yes	** NA **			None
21	M85						Yes	** NA **			None
22	M88		BenPIN				Yes	** NA **			None
23	M91						Yes				None
24	M92		BenPIN				Yes	** NA **			None
25	M50						Yes	** NA **			None
26	M51						Yes	** NA **			None
27	M51A						Yes	** NA **			None
28	M28						Yes				None
29	M29						Yes	Default			None
30	M30						Yes	Default			None
31	M31						Yes	Default			None
32	M32						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	M34	OOOOOX	OOOOOX				Yes	Default			None
35	M35	OOOOOX	OOOOOX				Yes	Default			None
36	M36						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	M41		BenPIN				Yes	** NA **			None
42	M42						Yes				None
43	M43A		BenPIN				Yes	** NA **			None
44	M44						Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46A		BenPIN				Yes	** NA **			None
47	M47						Yes				None
48	M48		BenPIN				Yes	** NA **			None
49	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...
50	M50A						Yes	** NA **			None
51	M51C						Yes	** NA **			None
52	M52A						Yes				None
53	M53						Yes	Default			None
54	M54						Yes	Default			None
55	M55						Yes	Default			None
56	M56						Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58A	00000X	00000X				Yes	Default			None
59	M59A	00000X	00000X				Yes	Default			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62						Yes	** NA **			None
63	M63						Yes	** NA **			None
64	M64						Yes	** NA **			None
65	M65		BenPIN				Yes	** NA **			None
66	M66						Yes				None
67	M67		BenPIN				Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	M70		BenPIN				Yes	** NA **			None
71	M71						Yes				None
72	M72		BenPIN				Yes	** NA **			None
73	M73						Yes	** NA **			None
74	M74						Yes	** NA **			None
75	M75						Yes	** NA **			None
76	M76A						Yes	** NA **			None
77	MP2A						Yes	** NA **			None
78	LIVE1						Yes	** NA **			None
79	MP3A						Yes	** NA **			None
80	M80A						Yes	** NA **			None
81	MP4A						Yes	** NA **			None
82	M82						Yes	Default			None
83	M83A						Yes	** NA **			None
84	MP1C						Yes	** NA **			None
85	M85A						Yes	** NA **			None
86	MP2C						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	MP3C						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	MP4C						Yes	** NA **			None
91	M91A						Yes	Default			None
92	M92A						Yes	** NA **			None
93	MP1B						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	MP2B						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	MP3B						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	MP4B						Yes	** NA **			None
100	M100						Yes	Default			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	Default			None
106	M106						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...
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	Default			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115	OOOOOX					Yes	** NA **			None
116	M116	OOOOOX					Yes	** NA **			None
117	M121						Yes				None
118	M128						Yes				None
119	M135						Yes				None
120	M124	OOOOOX					Yes	** NA **			None
121	M125	OOOOOX					Yes	** NA **			None
122	M126	OOOOOX					Yes	** NA **			None
123	M127	OOOOOX					Yes	** NA **			None

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	Y	-17.6	2.5
2	MP1B	My	-.004	2.5
3	MP1B	Mz	.008	2.5
4	MP1A	Y	-21.85	.5
5	MP1A	My	-.011	.5
6	MP1A	Mz	-.013	.5
7	MP1A	Y	-21.85	4.5
8	MP1A	My	-.011	4.5
9	MP1A	Mz	-.013	4.5
10	MP1B	Y	-21.85	.5
11	MP1B	My	.017	.5
12	MP1B	Mz	-.003	.5
13	MP1B	Y	-21.85	4.5
14	MP1B	My	.017	4.5
15	MP1B	Mz	-.003	4.5
16	MP1C	Y	-21.85	.5
17	MP1C	My	-.006	.5
18	MP1C	Mz	.016	.5
19	MP1C	Y	-21.85	4.5
20	MP1C	My	-.006	4.5
21	MP1C	Mz	.016	4.5
22	MP1A	Y	-32.3	.5
23	MP1A	My	-.016	.5
24	MP1A	Mz	.019	.5
25	MP1A	Y	-32.3	4.5
26	MP1A	My	-.016	4.5
27	MP1A	Mz	.019	4.5
28	MP1B	Y	-32.3	.5
29	MP1B	My	-.008	.5
30	MP1B	Mz	-.023	.5
31	MP1B	Y	-32.3	4.5
32	MP1B	My	-.008	4.5
33	MP1B	Mz	-.023	4.5
34	MP1C	Y	-32.3	.5
35	MP1C	My	.024	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP1C	Mz	.005	.5
37	MP1C	Y	-32.3	4.5
38	MP1C	My	.024	4.5
39	MP1C	Mz	.005	4.5
40	MP2A	Y	-43.55	1.5
41	MP2A	My	-.022	1.5
42	MP2A	Mz	0	1.5
43	MP2A	Y	-43.55	3.5
44	MP2A	My	-.022	3.5
45	MP2A	Mz	0	3.5
46	MP2B	Y	-43.55	1.5
47	MP2B	My	.011	1.5
48	MP2B	Mz	-.019	1.5
49	MP2B	Y	-43.55	3.5
50	MP2B	My	.011	3.5
51	MP2B	Mz	-.019	3.5
52	MP2C	Y	-43.55	1.5
53	MP2C	My	.011	1.5
54	MP2C	Mz	.019	1.5
55	MP2C	Y	-43.55	3.5
56	MP2C	My	.011	3.5
57	MP2C	Mz	.019	3.5
58	MP4A	Y	-4.95	1.5
59	MP4A	My	-.002	1.5
60	MP4A	Mz	0	1.5
61	MP4A	Y	-4.95	3.5
62	MP4A	My	-.002	3.5
63	MP4A	Mz	0	3.5
64	MP4B	Y	-4.95	1.5
65	MP4B	My	.001	1.5
66	MP4B	Mz	-.002	1.5
67	MP4B	Y	-4.95	3.5
68	MP4B	My	.001	3.5
69	MP4B	Mz	-.002	3.5
70	MP4C	Y	-4.95	1.5
71	MP4C	My	.001	1.5
72	MP4C	Mz	.002	1.5
73	MP4C	Y	-4.95	3.5
74	MP4C	My	.001	3.5
75	MP4C	Mz	.002	3.5
76	MP1A	Y	-84.4	1
77	MP1A	My	.042	1
78	MP1A	Mz	0	1
79	MP1B	Y	-84.4	1
80	MP1B	My	-.021	1
81	MP1B	Mz	.037	1
82	MP1C	Y	-84.4	1
83	MP1C	My	-.021	1
84	MP1C	Mz	-.037	1
85	MP2A	Y	-70.3	1
86	MP2A	My	.035	1
87	MP2A	Mz	0	1
88	MP2B	Y	-70.3	1
89	MP2B	My	-.018	1
90	MP2B	Mz	.03	1
91	MP2C	Y	-70.3	1
92	MP2C	My	-.018	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
93	MP2C	Mz	-.03	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	Y	-17.357	2.5
2	MP1B	My	-.004	2.5
3	MP1B	Mz	.008	2.5
4	MP1A	Y	-60.727	.5
5	MP1A	My	-.03	.5
6	MP1A	Mz	-.035	.5
7	MP1A	Y	-60.727	4.5
8	MP1A	My	-.03	4.5
9	MP1A	Mz	-.035	4.5
10	MP1B	Y	-60.727	.5
11	MP1B	My	.046	.5
12	MP1B	Mz	-.009	.5
13	MP1B	Y	-60.727	4.5
14	MP1B	My	.046	4.5
15	MP1B	Mz	-.009	4.5
16	MP1C	Y	-60.727	.5
17	MP1C	My	-.015	.5
18	MP1C	Mz	.044	.5
19	MP1C	Y	-60.727	4.5
20	MP1C	My	-.015	4.5
21	MP1C	Mz	.044	4.5
22	MP1A	Y	-60.727	.5
23	MP1A	My	-.03	.5
24	MP1A	Mz	.035	.5
25	MP1A	Y	-60.727	4.5
26	MP1A	My	-.03	4.5
27	MP1A	Mz	.035	4.5
28	MP1B	Y	-60.727	.5
29	MP1B	My	-.015	.5
30	MP1B	Mz	-.044	.5
31	MP1B	Y	-60.727	4.5
32	MP1B	My	-.015	4.5
33	MP1B	Mz	-.044	4.5
34	MP1C	Y	-60.727	.5
35	MP1C	My	.046	.5
36	MP1C	Mz	.009	.5
37	MP1C	Y	-60.727	4.5
38	MP1C	My	.046	4.5
39	MP1C	Mz	.009	4.5
40	MP2A	Y	-35.636	1.5
41	MP2A	My	-.018	1.5
42	MP2A	Mz	0	1.5
43	MP2A	Y	-35.636	3.5
44	MP2A	My	-.018	3.5
45	MP2A	Mz	0	3.5
46	MP2B	Y	-35.636	1.5
47	MP2B	My	.009	1.5
48	MP2B	Mz	-.015	1.5
49	MP2B	Y	-35.636	3.5
50	MP2B	My	.009	3.5
51	MP2B	Mz	-.015	3.5
52	MP2C	Y	-35.636	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP2C	My	.009	1.5
54	MP2C	Mz	.015	1.5
55	MP2C	Y	-35.636	3.5
56	MP2C	My	.009	3.5
57	MP2C	Mz	.015	3.5
58	MP4A	Y	-35.702	1.5
59	MP4A	My	-.018	1.5
60	MP4A	Mz	0	1.5
61	MP4A	Y	-35.702	3.5
62	MP4A	My	-.018	3.5
63	MP4A	Mz	0	3.5
64	MP4B	Y	-35.702	1.5
65	MP4B	My	.009	1.5
66	MP4B	Mz	-.015	1.5
67	MP4B	Y	-35.702	3.5
68	MP4B	My	.009	3.5
69	MP4B	Mz	-.015	3.5
70	MP4C	Y	-35.702	1.5
71	MP4C	My	.009	1.5
72	MP4C	Mz	.015	1.5
73	MP4C	Y	-35.702	3.5
74	MP4C	My	.009	3.5
75	MP4C	Mz	.015	3.5
76	MP1A	Y	-44.929	1
77	MP1A	My	.022	1
78	MP1A	Mz	0	1
79	MP1B	Y	-44.929	1
80	MP1B	My	-.011	1
81	MP1B	Mz	.019	1
82	MP1C	Y	-44.929	1
83	MP1C	My	-.011	1
84	MP1C	Mz	-.019	1
85	MP2A	Y	-40.405	1
86	MP2A	My	.02	1
87	MP2A	Mz	0	1
88	MP2B	Y	-40.405	1
89	MP2B	My	-.01	1
90	MP2B	Mz	.017	1
91	MP2C	Y	-40.405	1
92	MP2C	My	-.01	1
93	MP2C	Mz	-.017	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	0	2.5
2	MP1B	Z	-19.204	2.5
3	MP1B	Mx	-.008	2.5
4	MP1A	X	0	.5
5	MP1A	Z	-114.089	.5
6	MP1A	Mx	.067	.5
7	MP1A	X	0	4.5
8	MP1A	Z	-114.089	4.5
9	MP1A	Mx	.067	4.5
10	MP1B	X	0	.5
11	MP1B	Z	-65.239	.5
12	MP1B	Mx	.009	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
13	MP1B	X	0	4.5
14	MP1B	Z	-65.239	4.5
15	MP1B	Mx	.009	4.5
16	MP1C	X	0	.5
17	MP1C	Z	-65.239	.5
18	MP1C	Mx	-.047	.5
19	MP1C	X	0	4.5
20	MP1C	Z	-65.239	4.5
21	MP1C	Mx	-.047	4.5
22	MP1A	X	0	.5
23	MP1A	Z	-169.138	.5
24	MP1A	Mx	-.099	.5
25	MP1A	X	0	4.5
26	MP1A	Z	-169.138	4.5
27	MP1A	Mx	-.099	4.5
28	MP1B	X	0	.5
29	MP1B	Z	-126.46	.5
30	MP1B	Mx	.092	.5
31	MP1B	X	0	4.5
32	MP1B	Z	-126.46	4.5
33	MP1B	Mx	.092	4.5
34	MP1C	X	0	.5
35	MP1C	Z	-126.46	.5
36	MP1C	Mx	-.018	.5
37	MP1C	X	0	4.5
38	MP1C	Z	-126.46	4.5
39	MP1C	Mx	-.018	4.5
40	MP2A	X	0	1.5
41	MP2A	Z	-82.116	1.5
42	MP2A	Mx	0	1.5
43	MP2A	X	0	3.5
44	MP2A	Z	-82.116	3.5
45	MP2A	Mx	0	3.5
46	MP2B	X	0	1.5
47	MP2B	Z	-41.739	1.5
48	MP2B	Mx	.018	1.5
49	MP2B	X	0	3.5
50	MP2B	Z	-41.739	3.5
51	MP2B	Mx	.018	3.5
52	MP2C	X	0	1.5
53	MP2C	Z	-41.739	1.5
54	MP2C	Mx	-.018	1.5
55	MP2C	X	0	3.5
56	MP2C	Z	-41.739	3.5
57	MP2C	Mx	-.018	3.5
58	MP4A	X	0	1.5
59	MP4A	Z	-98.874	1.5
60	MP4A	Mx	0	1.5
61	MP4A	X	0	3.5
62	MP4A	Z	-98.874	3.5
63	MP4A	Mx	0	3.5
64	MP4B	X	0	1.5
65	MP4B	Z	-64.263	1.5
66	MP4B	Mx	.028	1.5
67	MP4B	X	0	3.5
68	MP4B	Z	-64.263	3.5
69	MP4B	Mx	.028	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
70	MP4C	X	0	1.5
71	MP4C	Z	-64.263	1.5
72	MP4C	Mx	-.028	1.5
73	MP4C	X	0	3.5
74	MP4C	Z	-64.263	3.5
75	MP4C	Mx	-.028	3.5
76	MP1A	X	0	1
77	MP1A	Z	-64.938	1
78	MP1A	Mx	0	1
79	MP1B	X	0	1
80	MP1B	Z	-48.913	1
81	MP1B	Mx	-.021	1
82	MP1C	X	0	1
83	MP1C	Z	-48.913	1
84	MP1C	Mx	.021	1
85	MP2A	X	0	1
86	MP2A	Z	-64.938	1
87	MP2A	Mx	0	1
88	MP2B	X	0	1
89	MP2B	Z	-42.943	1
90	MP2B	Mx	-.019	1
91	MP2C	X	0	1
92	MP2C	Z	-42.943	1
93	MP2C	Mx	.019	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	6.099	2.5
2	MP1B	Z	-10.565	2.5
3	MP1B	Mx	-.006	2.5
4	MP1A	X	48.903	.5
5	MP1A	Z	-84.702	.5
6	MP1A	Mx	.025	.5
7	MP1A	X	48.903	4.5
8	MP1A	Z	-84.702	4.5
9	MP1A	Mx	.025	4.5
10	MP1B	X	24.478	.5
11	MP1B	Z	-42.397	.5
12	MP1B	Mx	.024	.5
13	MP1B	X	24.478	4.5
14	MP1B	Z	-42.397	4.5
15	MP1B	Mx	.024	4.5
16	MP1C	X	48.903	.5
17	MP1C	Z	-84.702	.5
18	MP1C	Mx	-.074	.5
19	MP1C	X	48.903	4.5
20	MP1C	Z	-84.702	4.5
21	MP1C	Mx	-.074	4.5
22	MP1A	X	77.456	.5
23	MP1A	Z	-134.158	.5
24	MP1A	Mx	-.117	.5
25	MP1A	X	77.456	4.5
26	MP1A	Z	-134.158	4.5
27	MP1A	Mx	-.117	4.5
28	MP1B	X	56.117	.5
29	MP1B	Z	-97.197	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
30	MP1B	Mx	.056	.5
31	MP1B	X	56.117	4.5
32	MP1B	Z	-97.197	4.5
33	MP1B	Mx	.056	4.5
34	MP1C	X	77.456	.5
35	MP1C	Z	-134.158	.5
36	MP1C	Mx	.04	.5
37	MP1C	X	77.456	4.5
38	MP1C	Z	-134.158	4.5
39	MP1C	Mx	.04	4.5
40	MP2A	X	34.328	1.5
41	MP2A	Z	-59.458	1.5
42	MP2A	Mx	-.017	1.5
43	MP2A	X	34.328	3.5
44	MP2A	Z	-59.458	3.5
45	MP2A	Mx	-.017	3.5
46	MP2B	X	14.14	1.5
47	MP2B	Z	-24.491	1.5
48	MP2B	Mx	.014	1.5
49	MP2B	X	14.14	3.5
50	MP2B	Z	-24.491	3.5
51	MP2B	Mx	.014	3.5
52	MP2C	X	34.328	1.5
53	MP2C	Z	-59.458	1.5
54	MP2C	Mx	-.017	1.5
55	MP2C	X	34.328	3.5
56	MP2C	Z	-59.458	3.5
57	MP2C	Mx	-.017	3.5
58	MP4A	X	43.668	1.5
59	MP4A	Z	-75.636	1.5
60	MP4A	Mx	-.022	1.5
61	MP4A	X	43.668	3.5
62	MP4A	Z	-75.636	3.5
63	MP4A	Mx	-.022	3.5
64	MP4B	X	26.363	1.5
65	MP4B	Z	-45.662	1.5
66	MP4B	Mx	.026	1.5
67	MP4B	X	26.363	3.5
68	MP4B	Z	-45.662	3.5
69	MP4B	Mx	.026	3.5
70	MP4C	X	43.668	1.5
71	MP4C	Z	-75.636	1.5
72	MP4C	Mx	-.022	1.5
73	MP4C	X	43.668	3.5
74	MP4C	Z	-75.636	3.5
75	MP4C	Mx	-.022	3.5
76	MP1A	X	29.798	1
77	MP1A	Z	-51.612	1
78	MP1A	Mx	.015	1
79	MP1B	X	21.786	1
80	MP1B	Z	-37.734	1
81	MP1B	Mx	-.022	1
82	MP1C	X	29.798	1
83	MP1C	Z	-51.612	1
84	MP1C	Mx	.015	1
85	MP2A	X	28.803	1
86	MP2A	Z	-49.889	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
87	MP2A	Mx	.014	1
88	MP2B	X	17.806	1
89	MP2B	Z	-30.84	1
90	MP2B	Mx	-.018	1
91	MP2C	X	28.803	1
92	MP2C	Z	-49.889	1
93	MP2C	Mx	.014	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	16.631	2.5
2	MP1B	Z	-9.602	2.5
3	MP1B	Mx	-.008	2.5
4	MP1A	X	56.499	.5
5	MP1A	Z	-32.619	.5
6	MP1A	Mx	-.009	.5
7	MP1A	X	56.499	4.5
8	MP1A	Z	-32.619	4.5
9	MP1A	Mx	-.009	4.5
10	MP1B	X	56.499	.5
11	MP1B	Z	-32.619	.5
12	MP1B	Mx	.047	.5
13	MP1B	X	56.499	4.5
14	MP1B	Z	-32.619	4.5
15	MP1B	Mx	.047	4.5
16	MP1C	X	98.804	.5
17	MP1C	Z	-57.045	.5
18	MP1C	Mx	-.067	.5
19	MP1C	X	98.804	4.5
20	MP1C	Z	-57.045	4.5
21	MP1C	Mx	-.067	4.5
22	MP1A	X	109.517	.5
23	MP1A	Z	-63.23	.5
24	MP1A	Mx	-.092	.5
25	MP1A	X	109.517	4.5
26	MP1A	Z	-63.23	4.5
27	MP1A	Mx	-.092	4.5
28	MP1B	X	109.517	.5
29	MP1B	Z	-63.23	.5
30	MP1B	Mx	.018	.5
31	MP1B	X	109.517	4.5
32	MP1B	Z	-63.23	4.5
33	MP1B	Mx	.018	4.5
34	MP1C	X	146.478	.5
35	MP1C	Z	-84.569	.5
36	MP1C	Mx	.099	.5
37	MP1C	X	146.478	4.5
38	MP1C	Z	-84.569	4.5
39	MP1C	Mx	.099	4.5
40	MP2A	X	36.147	1.5
41	MP2A	Z	-20.869	1.5
42	MP2A	Mx	-.018	1.5
43	MP2A	X	36.147	3.5
44	MP2A	Z	-20.869	3.5
45	MP2A	Mx	-.018	3.5
46	MP2B	X	36.147	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
47	MP2B	Z	-20.869	1.5
48	MP2B	Mx	.018	1.5
49	MP2B	X	36.147	3.5
50	MP2B	Z	-20.869	3.5
51	MP2B	Mx	.018	3.5
52	MP2C	X	71.114	1.5
53	MP2C	Z	-41.058	1.5
54	MP2C	Mx	0	1.5
55	MP2C	X	71.114	3.5
56	MP2C	Z	-41.058	3.5
57	MP2C	Mx	0	3.5
58	MP4A	X	55.654	1.5
59	MP4A	Z	-32.132	1.5
60	MP4A	Mx	-.028	1.5
61	MP4A	X	55.654	3.5
62	MP4A	Z	-32.132	3.5
63	MP4A	Mx	-.028	3.5
64	MP4B	X	55.654	1.5
65	MP4B	Z	-32.132	1.5
66	MP4B	Mx	.028	1.5
67	MP4B	X	55.654	3.5
68	MP4B	Z	-32.132	3.5
69	MP4B	Mx	.028	3.5
70	MP4C	X	85.627	1.5
71	MP4C	Z	-49.437	1.5
72	MP4C	Mx	0	1.5
73	MP4C	X	85.627	3.5
74	MP4C	Z	-49.437	3.5
75	MP4C	Mx	0	3.5
76	MP1A	X	42.36	1
77	MP1A	Z	-24.457	1
78	MP1A	Mx	.021	1
79	MP1B	X	42.36	1
80	MP1B	Z	-24.457	1
81	MP1B	Mx	-.021	1
82	MP1C	X	56.238	1
83	MP1C	Z	-32.469	1
84	MP1C	Mx	0	1
85	MP2A	X	37.19	1
86	MP2A	Z	-21.472	1
87	MP2A	Mx	.019	1
88	MP2B	X	37.19	1
89	MP2B	Z	-21.472	1
90	MP2B	Mx	-.019	1
91	MP2C	X	56.238	1
92	MP2C	Z	-32.469	1
93	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1B	X	33.215	2.5
2	MP1B	Z	0	2.5
3	MP1B	Mx	-.008	2.5
4	MP1A	X	48.955	.5
5	MP1A	Z	0	.5
6	MP1A	Mx	-.024	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
7	MP1A	X	48.955	4.5
8	MP1A	Z	0	4.5
9	MP1A	Mx	-.024	4.5
10	MP1B	X	97.806	.5
11	MP1B	Z	0	.5
12	MP1B	Mx	.074	.5
13	MP1B	X	97.806	4.5
14	MP1B	Z	0	4.5
15	MP1B	Mx	.074	4.5
16	MP1C	X	97.806	.5
17	MP1C	Z	0	.5
18	MP1C	Mx	-.025	.5
19	MP1C	X	97.806	4.5
20	MP1C	Z	0	4.5
21	MP1C	Mx	-.025	4.5
22	MP1A	X	112.233	.5
23	MP1A	Z	0	.5
24	MP1A	Mx	-.056	.5
25	MP1A	X	112.233	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	-.056	4.5
28	MP1B	X	154.912	.5
29	MP1B	Z	0	.5
30	MP1B	Mx	-.04	.5
31	MP1B	X	154.912	4.5
32	MP1B	Z	0	4.5
33	MP1B	Mx	-.04	4.5
34	MP1C	X	154.912	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	.117	.5
37	MP1C	X	154.912	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	.117	4.5
40	MP2A	X	28.28	1.5
41	MP2A	Z	0	1.5
42	MP2A	Mx	-.014	1.5
43	MP2A	X	28.28	3.5
44	MP2A	Z	0	3.5
45	MP2A	Mx	-.014	3.5
46	MP2B	X	68.657	1.5
47	MP2B	Z	0	1.5
48	MP2B	Mx	.017	1.5
49	MP2B	X	68.657	3.5
50	MP2B	Z	0	3.5
51	MP2B	Mx	.017	3.5
52	MP2C	X	68.657	1.5
53	MP2C	Z	0	1.5
54	MP2C	Mx	.017	1.5
55	MP2C	X	68.657	3.5
56	MP2C	Z	0	3.5
57	MP2C	Mx	.017	3.5
58	MP4A	X	52.726	1.5
59	MP4A	Z	0	1.5
60	MP4A	Mx	-.026	1.5
61	MP4A	X	52.726	3.5
62	MP4A	Z	0	3.5
63	MP4A	Mx	-.026	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP4B	X	87.337	1.5
65	MP4B	Z	0	1.5
66	MP4B	Mx	.022	1.5
67	MP4B	X	87.337	3.5
68	MP4B	Z	0	3.5
69	MP4B	Mx	.022	3.5
70	MP4C	X	87.337	1.5
71	MP4C	Z	0	1.5
72	MP4C	Mx	.022	1.5
73	MP4C	X	87.337	3.5
74	MP4C	Z	0	3.5
75	MP4C	Mx	.022	3.5
76	MP1A	X	43.571	1
77	MP1A	Z	0	1
78	MP1A	Mx	.022	1
79	MP1B	X	59.597	1
80	MP1B	Z	0	1
81	MP1B	Mx	-.015	1
82	MP1C	X	59.597	1
83	MP1C	Z	0	1
84	MP1C	Mx	-.015	1
85	MP2A	X	35.611	1
86	MP2A	Z	0	1
87	MP2A	Mx	.018	1
88	MP2B	X	57.607	1
89	MP2B	Z	0	1
90	MP2B	Mx	-.014	1
91	MP2C	X	57.607	1
92	MP2C	Z	0	1
93	MP2C	Mx	-.014	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	34.831	2.5
2	MP1B	Z	20.11	2.5
3	MP1B	Mx	0	2.5
4	MP1A	X	56.499	.5
5	MP1A	Z	32.619	.5
6	MP1A	Mx	-.047	.5
7	MP1A	X	56.499	4.5
8	MP1A	Z	32.619	4.5
9	MP1A	Mx	-.047	4.5
10	MP1B	X	98.804	.5
11	MP1B	Z	57.045	.5
12	MP1B	Mx	.067	.5
13	MP1B	X	98.804	4.5
14	MP1B	Z	57.045	4.5
15	MP1B	Mx	.067	4.5
16	MP1C	X	56.499	.5
17	MP1C	Z	32.619	.5
18	MP1C	Mx	.009	.5
19	MP1C	X	56.499	4.5
20	MP1C	Z	32.619	4.5
21	MP1C	Mx	.009	4.5
22	MP1A	X	109.517	.5
23	MP1A	Z	63.23	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
24	MP1A	Mx	-.018	.5
25	MP1A	X	109.517	4.5
26	MP1A	Z	63.23	4.5
27	MP1A	Mx	-.018	4.5
28	MP1B	X	146.478	.5
29	MP1B	Z	84.569	.5
30	MP1B	Mx	-.099	.5
31	MP1B	X	146.478	4.5
32	MP1B	Z	84.569	4.5
33	MP1B	Mx	-.099	4.5
34	MP1C	X	109.517	.5
35	MP1C	Z	63.23	.5
36	MP1C	Mx	.092	.5
37	MP1C	X	109.517	4.5
38	MP1C	Z	63.23	4.5
39	MP1C	Mx	.092	4.5
40	MP2A	X	36.147	1.5
41	MP2A	Z	20.869	1.5
42	MP2A	Mx	-.018	1.5
43	MP2A	X	36.147	3.5
44	MP2A	Z	20.869	3.5
45	MP2A	Mx	-.018	3.5
46	MP2B	X	71.114	1.5
47	MP2B	Z	41.058	1.5
48	MP2B	Mx	0	1.5
49	MP2B	X	71.114	3.5
50	MP2B	Z	41.058	3.5
51	MP2B	Mx	0	3.5
52	MP2C	X	36.147	1.5
53	MP2C	Z	20.869	1.5
54	MP2C	Mx	.018	1.5
55	MP2C	X	36.147	3.5
56	MP2C	Z	20.869	3.5
57	MP2C	Mx	.018	3.5
58	MP4A	X	55.654	1.5
59	MP4A	Z	32.132	1.5
60	MP4A	Mx	-.028	1.5
61	MP4A	X	55.654	3.5
62	MP4A	Z	32.132	3.5
63	MP4A	Mx	-.028	3.5
64	MP4B	X	85.627	1.5
65	MP4B	Z	49.437	1.5
66	MP4B	Mx	0	1.5
67	MP4B	X	85.627	3.5
68	MP4B	Z	49.437	3.5
69	MP4B	Mx	0	3.5
70	MP4C	X	55.654	1.5
71	MP4C	Z	32.132	1.5
72	MP4C	Mx	.028	1.5
73	MP4C	X	55.654	3.5
74	MP4C	Z	32.132	3.5
75	MP4C	Mx	.028	3.5
76	MP1A	X	42.36	1
77	MP1A	Z	24.457	1
78	MP1A	Mx	.021	1
79	MP1B	X	56.238	1
80	MP1B	Z	32.469	1





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
81	MP1B	Mx	0	1
82	MP1C	X	42.36	1
83	MP1C	Z	24.457	1
84	MP1C	Mx	-.021	1
85	MP2A	X	37.19	1
86	MP2A	Z	21.472	1
87	MP2A	Mx	.019	1
88	MP2B	X	56.238	1
89	MP2B	Z	32.469	1
90	MP2B	Mx	0	1
91	MP2C	X	37.19	1
92	MP2C	Z	21.472	1
93	MP2C	Mx	-.019	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	16.607	2.5
2	MP1B	Z	28.765	2.5
3	MP1B	Mx	.008	2.5
4	MP1A	X	48.903	.5
5	MP1A	Z	84.702	.5
6	MP1A	Mx	-.074	.5
7	MP1A	X	48.903	4.5
8	MP1A	Z	84.702	4.5
9	MP1A	Mx	-.074	4.5
10	MP1B	X	48.903	.5
11	MP1B	Z	84.702	.5
12	MP1B	Mx	.025	.5
13	MP1B	X	48.903	4.5
14	MP1B	Z	84.702	4.5
15	MP1B	Mx	.025	4.5
16	MP1C	X	24.478	.5
17	MP1C	Z	42.397	.5
18	MP1C	Mx	.024	.5
19	MP1C	X	24.478	4.5
20	MP1C	Z	42.397	4.5
21	MP1C	Mx	.024	4.5
22	MP1A	X	77.456	.5
23	MP1A	Z	134.158	.5
24	MP1A	Mx	.04	.5
25	MP1A	X	77.456	4.5
26	MP1A	Z	134.158	4.5
27	MP1A	Mx	.04	4.5
28	MP1B	X	77.456	.5
29	MP1B	Z	134.158	.5
30	MP1B	Mx	-.117	.5
31	MP1B	X	77.456	4.5
32	MP1B	Z	134.158	4.5
33	MP1B	Mx	-.117	4.5
34	MP1C	X	56.117	.5
35	MP1C	Z	97.197	.5
36	MP1C	Mx	.056	.5
37	MP1C	X	56.117	4.5
38	MP1C	Z	97.197	4.5
39	MP1C	Mx	.056	4.5
40	MP2A	X	34.328	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP2A	Z	59.458	1.5
42	MP2A	Mx	-.017	1.5
43	MP2A	X	34.328	3.5
44	MP2A	Z	59.458	3.5
45	MP2A	Mx	-.017	3.5
46	MP2B	X	34.328	1.5
47	MP2B	Z	59.458	1.5
48	MP2B	Mx	-.017	1.5
49	MP2B	X	34.328	3.5
50	MP2B	Z	59.458	3.5
51	MP2B	Mx	-.017	3.5
52	MP2C	X	14.14	1.5
53	MP2C	Z	24.491	1.5
54	MP2C	Mx	.014	1.5
55	MP2C	X	14.14	3.5
56	MP2C	Z	24.491	3.5
57	MP2C	Mx	.014	3.5
58	MP4A	X	43.668	1.5
59	MP4A	Z	75.636	1.5
60	MP4A	Mx	-.022	1.5
61	MP4A	X	43.668	3.5
62	MP4A	Z	75.636	3.5
63	MP4A	Mx	-.022	3.5
64	MP4B	X	43.668	1.5
65	MP4B	Z	75.636	1.5
66	MP4B	Mx	-.022	1.5
67	MP4B	X	43.668	3.5
68	MP4B	Z	75.636	3.5
69	MP4B	Mx	-.022	3.5
70	MP4C	X	26.363	1.5
71	MP4C	Z	45.662	1.5
72	MP4C	Mx	.026	1.5
73	MP4C	X	26.363	3.5
74	MP4C	Z	45.662	3.5
75	MP4C	Mx	.026	3.5
76	MP1A	X	29.798	1
77	MP1A	Z	51.612	1
78	MP1A	Mx	.015	1
79	MP1B	X	29.798	1
80	MP1B	Z	51.612	1
81	MP1B	Mx	.015	1
82	MP1C	X	21.786	1
83	MP1C	Z	37.734	1
84	MP1C	Mx	-.022	1
85	MP2A	X	28.803	1
86	MP2A	Z	49.889	1
87	MP2A	Mx	.014	1
88	MP2B	X	28.803	1
89	MP2B	Z	49.889	1
90	MP2B	Mx	.014	1
91	MP2C	X	17.806	1
92	MP2C	Z	30.84	1
93	MP2C	Mx	-.018	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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**Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	0	2.5
2	MP1B	Z	19.204	2.5
3	MP1B	Mx	.008	2.5
4	MP1A	X	0	.5
5	MP1A	Z	114.089	.5
6	MP1A	Mx	-.067	.5
7	MP1A	X	0	4.5
8	MP1A	Z	114.089	4.5
9	MP1A	Mx	-.067	4.5
10	MP1B	X	0	.5
11	MP1B	Z	65.239	.5
12	MP1B	Mx	-.009	.5
13	MP1B	X	0	4.5
14	MP1B	Z	65.239	4.5
15	MP1B	Mx	-.009	4.5
16	MP1C	X	0	.5
17	MP1C	Z	65.239	.5
18	MP1C	Mx	.047	.5
19	MP1C	X	0	4.5
20	MP1C	Z	65.239	4.5
21	MP1C	Mx	.047	4.5
22	MP1A	X	0	.5
23	MP1A	Z	169.138	.5
24	MP1A	Mx	.099	.5
25	MP1A	X	0	4.5
26	MP1A	Z	169.138	4.5
27	MP1A	Mx	.099	4.5
28	MP1B	X	0	.5
29	MP1B	Z	126.46	.5
30	MP1B	Mx	-.092	.5
31	MP1B	X	0	4.5
32	MP1B	Z	126.46	4.5
33	MP1B	Mx	-.092	4.5
34	MP1C	X	0	.5
35	MP1C	Z	126.46	.5
36	MP1C	Mx	.018	.5
37	MP1C	X	0	4.5
38	MP1C	Z	126.46	4.5
39	MP1C	Mx	.018	4.5
40	MP2A	X	0	1.5
41	MP2A	Z	82.116	1.5
42	MP2A	Mx	0	1.5
43	MP2A	X	0	3.5
44	MP2A	Z	82.116	3.5
45	MP2A	Mx	0	3.5
46	MP2B	X	0	1.5
47	MP2B	Z	41.739	1.5
48	MP2B	Mx	-.018	1.5
49	MP2B	X	0	3.5
50	MP2B	Z	41.739	3.5
51	MP2B	Mx	-.018	3.5
52	MP2C	X	0	1.5
53	MP2C	Z	41.739	1.5
54	MP2C	Mx	.018	1.5
55	MP2C	X	0	3.5
56	MP2C	Z	41.739	3.5
57	MP2C	Mx	.018	3.5





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP1C	Mx	.074	.5
19	MP1C	X	-48.903	4.5
20	MP1C	Z	84.702	4.5
21	MP1C	Mx	.074	4.5
22	MP1A	X	-77.456	.5
23	MP1A	Z	134.158	.5
24	MP1A	Mx	.117	.5
25	MP1A	X	-77.456	4.5
26	MP1A	Z	134.158	4.5
27	MP1A	Mx	.117	4.5
28	MP1B	X	-56.117	.5
29	MP1B	Z	97.197	.5
30	MP1B	Mx	-.056	.5
31	MP1B	X	-56.117	4.5
32	MP1B	Z	97.197	4.5
33	MP1B	Mx	-.056	4.5
34	MP1C	X	-77.456	.5
35	MP1C	Z	134.158	.5
36	MP1C	Mx	-.04	.5
37	MP1C	X	-77.456	4.5
38	MP1C	Z	134.158	4.5
39	MP1C	Mx	-.04	4.5
40	MP2A	X	-34.328	1.5
41	MP2A	Z	59.458	1.5
42	MP2A	Mx	.017	1.5
43	MP2A	X	-34.328	3.5
44	MP2A	Z	59.458	3.5
45	MP2A	Mx	.017	3.5
46	MP2B	X	-14.14	1.5
47	MP2B	Z	24.491	1.5
48	MP2B	Mx	-.014	1.5
49	MP2B	X	-14.14	3.5
50	MP2B	Z	24.491	3.5
51	MP2B	Mx	-.014	3.5
52	MP2C	X	-34.328	1.5
53	MP2C	Z	59.458	1.5
54	MP2C	Mx	.017	1.5
55	MP2C	X	-34.328	3.5
56	MP2C	Z	59.458	3.5
57	MP2C	Mx	.017	3.5
58	MP4A	X	-43.668	1.5
59	MP4A	Z	75.636	1.5
60	MP4A	Mx	.022	1.5
61	MP4A	X	-43.668	3.5
62	MP4A	Z	75.636	3.5
63	MP4A	Mx	.022	3.5
64	MP4B	X	-26.363	1.5
65	MP4B	Z	45.662	1.5
66	MP4B	Mx	-.026	1.5
67	MP4B	X	-26.363	3.5
68	MP4B	Z	45.662	3.5
69	MP4B	Mx	-.026	3.5
70	MP4C	X	-43.668	1.5
71	MP4C	Z	75.636	1.5
72	MP4C	Mx	.022	1.5
73	MP4C	X	-43.668	3.5
74	MP4C	Z	75.636	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
75	MP4C	Mx	.022	3.5
76	MP1A	X	-29.798	1
77	MP1A	Z	51.612	1
78	MP1A	Mx	-.015	1
79	MP1B	X	-21.786	1
80	MP1B	Z	37.734	1
81	MP1B	Mx	.022	1
82	MP1C	X	-29.798	1
83	MP1C	Z	51.612	1
84	MP1C	Mx	-.015	1
85	MP2A	X	-28.803	1
86	MP2A	Z	49.889	1
87	MP2A	Mx	-.014	1
88	MP2B	X	-17.806	1
89	MP2B	Z	30.84	1
90	MP2B	Mx	.018	1
91	MP2C	X	-28.803	1
92	MP2C	Z	49.889	1
93	MP2C	Mx	-.014	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	-16.631	2.5
2	MP1B	Z	9.602	2.5
3	MP1B	Mx	.008	2.5
4	MP1A	X	-56.499	.5
5	MP1A	Z	32.619	.5
6	MP1A	Mx	.009	.5
7	MP1A	X	-56.499	4.5
8	MP1A	Z	32.619	4.5
9	MP1A	Mx	.009	4.5
10	MP1B	X	-56.499	.5
11	MP1B	Z	32.619	.5
12	MP1B	Mx	-.047	.5
13	MP1B	X	-56.499	4.5
14	MP1B	Z	32.619	4.5
15	MP1B	Mx	-.047	4.5
16	MP1C	X	-98.804	.5
17	MP1C	Z	57.045	.5
18	MP1C	Mx	.067	.5
19	MP1C	X	-98.804	4.5
20	MP1C	Z	57.045	4.5
21	MP1C	Mx	.067	4.5
22	MP1A	X	-109.517	.5
23	MP1A	Z	63.23	.5
24	MP1A	Mx	.092	.5
25	MP1A	X	-109.517	4.5
26	MP1A	Z	63.23	4.5
27	MP1A	Mx	.092	4.5
28	MP1B	X	-109.517	.5
29	MP1B	Z	63.23	.5
30	MP1B	Mx	-.018	.5
31	MP1B	X	-109.517	4.5
32	MP1B	Z	63.23	4.5
33	MP1B	Mx	-.018	4.5
34	MP1C	X	-146.478	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
35	MP1C	Z	84.569	.5
36	MP1C	Mx	-.099	.5
37	MP1C	X	-146.478	4.5
38	MP1C	Z	84.569	4.5
39	MP1C	Mx	-.099	4.5
40	MP2A	X	-36.147	1.5
41	MP2A	Z	20.869	1.5
42	MP2A	Mx	.018	1.5
43	MP2A	X	-36.147	3.5
44	MP2A	Z	20.869	3.5
45	MP2A	Mx	.018	3.5
46	MP2B	X	-36.147	1.5
47	MP2B	Z	20.869	1.5
48	MP2B	Mx	-.018	1.5
49	MP2B	X	-36.147	3.5
50	MP2B	Z	20.869	3.5
51	MP2B	Mx	-.018	3.5
52	MP2C	X	-71.114	1.5
53	MP2C	Z	41.058	1.5
54	MP2C	Mx	0	1.5
55	MP2C	X	-71.114	3.5
56	MP2C	Z	41.058	3.5
57	MP2C	Mx	0	3.5
58	MP4A	X	-55.654	1.5
59	MP4A	Z	32.132	1.5
60	MP4A	Mx	.028	1.5
61	MP4A	X	-55.654	3.5
62	MP4A	Z	32.132	3.5
63	MP4A	Mx	.028	3.5
64	MP4B	X	-55.654	1.5
65	MP4B	Z	32.132	1.5
66	MP4B	Mx	-.028	1.5
67	MP4B	X	-55.654	3.5
68	MP4B	Z	32.132	3.5
69	MP4B	Mx	-.028	3.5
70	MP4C	X	-85.627	1.5
71	MP4C	Z	49.437	1.5
72	MP4C	Mx	0	1.5
73	MP4C	X	-85.627	3.5
74	MP4C	Z	49.437	3.5
75	MP4C	Mx	0	3.5
76	MP1A	X	-42.36	1
77	MP1A	Z	24.457	1
78	MP1A	Mx	-.021	1
79	MP1B	X	-42.36	1
80	MP1B	Z	24.457	1
81	MP1B	Mx	.021	1
82	MP1C	X	-56.238	1
83	MP1C	Z	32.469	1
84	MP1C	Mx	0	1
85	MP2A	X	-37.19	1
86	MP2A	Z	21.472	1
87	MP2A	Mx	-.019	1
88	MP2B	X	-37.19	1
89	MP2B	Z	21.472	1
90	MP2B	Mx	.019	1
91	MP2C	X	-56.238	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
92	MP2C	Z	32.469	1
93	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	-33.215	2.5
2	MP1B	Z	0	2.5
3	MP1B	Mx	.008	2.5
4	MP1A	X	-48.955	.5
5	MP1A	Z	0	.5
6	MP1A	Mx	.024	.5
7	MP1A	X	-48.955	4.5
8	MP1A	Z	0	4.5
9	MP1A	Mx	.024	4.5
10	MP1B	X	-97.806	.5
11	MP1B	Z	0	.5
12	MP1B	Mx	-.074	.5
13	MP1B	X	-97.806	4.5
14	MP1B	Z	0	4.5
15	MP1B	Mx	-.074	4.5
16	MP1C	X	-97.806	.5
17	MP1C	Z	0	.5
18	MP1C	Mx	.025	.5
19	MP1C	X	-97.806	4.5
20	MP1C	Z	0	4.5
21	MP1C	Mx	.025	4.5
22	MP1A	X	-112.233	.5
23	MP1A	Z	0	.5
24	MP1A	Mx	.056	.5
25	MP1A	X	-112.233	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	.056	4.5
28	MP1B	X	-154.912	.5
29	MP1B	Z	0	.5
30	MP1B	Mx	.04	.5
31	MP1B	X	-154.912	4.5
32	MP1B	Z	0	4.5
33	MP1B	Mx	.04	4.5
34	MP1C	X	-154.912	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	-.117	.5
37	MP1C	X	-154.912	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	-.117	4.5
40	MP2A	X	-28.28	1.5
41	MP2A	Z	0	1.5
42	MP2A	Mx	.014	1.5
43	MP2A	X	-28.28	3.5
44	MP2A	Z	0	3.5
45	MP2A	Mx	.014	3.5
46	MP2B	X	-68.657	1.5
47	MP2B	Z	0	1.5
48	MP2B	Mx	-.017	1.5
49	MP2B	X	-68.657	3.5
50	MP2B	Z	0	3.5
51	MP2B	Mx	-.017	3.5





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
52	MP2C	X	-68.657	1.5
53	MP2C	Z	0	1.5
54	MP2C	Mx	-.017	1.5
55	MP2C	X	-68.657	3.5
56	MP2C	Z	0	3.5
57	MP2C	Mx	-.017	3.5
58	MP4A	X	-52.726	1.5
59	MP4A	Z	0	1.5
60	MP4A	Mx	.026	1.5
61	MP4A	X	-52.726	3.5
62	MP4A	Z	0	3.5
63	MP4A	Mx	.026	3.5
64	MP4B	X	-87.337	1.5
65	MP4B	Z	0	1.5
66	MP4B	Mx	-.022	1.5
67	MP4B	X	-87.337	3.5
68	MP4B	Z	0	3.5
69	MP4B	Mx	-.022	3.5
70	MP4C	X	-87.337	1.5
71	MP4C	Z	0	1.5
72	MP4C	Mx	-.022	1.5
73	MP4C	X	-87.337	3.5
74	MP4C	Z	0	3.5
75	MP4C	Mx	-.022	3.5
76	MP1A	X	-43.571	1
77	MP1A	Z	0	1
78	MP1A	Mx	-.022	1
79	MP1B	X	-59.597	1
80	MP1B	Z	0	1
81	MP1B	Mx	.015	1
82	MP1C	X	-59.597	1
83	MP1C	Z	0	1
84	MP1C	Mx	.015	1
85	MP2A	X	-35.611	1
86	MP2A	Z	0	1
87	MP2A	Mx	-.018	1
88	MP2B	X	-57.607	1
89	MP2B	Z	0	1
90	MP2B	Mx	.014	1
91	MP2C	X	-57.607	1
92	MP2C	Z	0	1
93	MP2C	Mx	.014	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	-34.831	2.5
2	MP1B	Z	-20.11	2.5
3	MP1B	Mx	0	2.5
4	MP1A	X	-56.499	.5
5	MP1A	Z	-32.619	.5
6	MP1A	Mx	.047	.5
7	MP1A	X	-56.499	4.5
8	MP1A	Z	-32.619	4.5
9	MP1A	Mx	.047	4.5
10	MP1B	X	-98.804	.5
11	MP1B	Z	-57.045	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP1B	Mx	-.067	.5
13	MP1B	X	-98.804	4.5
14	MP1B	Z	-57.045	4.5
15	MP1B	Mx	-.067	4.5
16	MP1C	X	-56.499	.5
17	MP1C	Z	-32.619	.5
18	MP1C	Mx	-.009	.5
19	MP1C	X	-56.499	4.5
20	MP1C	Z	-32.619	4.5
21	MP1C	Mx	-.009	4.5
22	MP1A	X	-109.517	.5
23	MP1A	Z	-63.23	.5
24	MP1A	Mx	.018	.5
25	MP1A	X	-109.517	4.5
26	MP1A	Z	-63.23	4.5
27	MP1A	Mx	.018	4.5
28	MP1B	X	-146.478	.5
29	MP1B	Z	-84.569	.5
30	MP1B	Mx	.099	.5
31	MP1B	X	-146.478	4.5
32	MP1B	Z	-84.569	4.5
33	MP1B	Mx	.099	4.5
34	MP1C	X	-109.517	.5
35	MP1C	Z	-63.23	.5
36	MP1C	Mx	-.092	.5
37	MP1C	X	-109.517	4.5
38	MP1C	Z	-63.23	4.5
39	MP1C	Mx	-.092	4.5
40	MP2A	X	-36.147	1.5
41	MP2A	Z	-20.869	1.5
42	MP2A	Mx	.018	1.5
43	MP2A	X	-36.147	3.5
44	MP2A	Z	-20.869	3.5
45	MP2A	Mx	.018	3.5
46	MP2B	X	-71.114	1.5
47	MP2B	Z	-41.058	1.5
48	MP2B	Mx	0	1.5
49	MP2B	X	-71.114	3.5
50	MP2B	Z	-41.058	3.5
51	MP2B	Mx	0	3.5
52	MP2C	X	-36.147	1.5
53	MP2C	Z	-20.869	1.5
54	MP2C	Mx	-.018	1.5
55	MP2C	X	-36.147	3.5
56	MP2C	Z	-20.869	3.5
57	MP2C	Mx	-.018	3.5
58	MP4A	X	-55.654	1.5
59	MP4A	Z	-32.132	1.5
60	MP4A	Mx	.028	1.5
61	MP4A	X	-55.654	3.5
62	MP4A	Z	-32.132	3.5
63	MP4A	Mx	.028	3.5
64	MP4B	X	-85.627	1.5
65	MP4B	Z	-49.437	1.5
66	MP4B	Mx	0	1.5
67	MP4B	X	-85.627	3.5
68	MP4B	Z	-49.437	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP4B	Mx	0	3.5
70	MP4C	X	-55.654	1.5
71	MP4C	Z	-32.132	1.5
72	MP4C	Mx	-.028	1.5
73	MP4C	X	-55.654	3.5
74	MP4C	Z	-32.132	3.5
75	MP4C	Mx	-.028	3.5
76	MP1A	X	-42.36	1
77	MP1A	Z	-24.457	1
78	MP1A	Mx	-.021	1
79	MP1B	X	-56.238	1
80	MP1B	Z	-32.469	1
81	MP1B	Mx	0	1
82	MP1C	X	-42.36	1
83	MP1C	Z	-24.457	1
84	MP1C	Mx	.021	1
85	MP2A	X	-37.19	1
86	MP2A	Z	-21.472	1
87	MP2A	Mx	-.019	1
88	MP2B	X	-56.238	1
89	MP2B	Z	-32.469	1
90	MP2B	Mx	0	1
91	MP2C	X	-37.19	1
92	MP2C	Z	-21.472	1
93	MP2C	Mx	.019	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	-16.607	2.5
2	MP1B	Z	-28.765	2.5
3	MP1B	Mx	-.008	2.5
4	MP1A	X	-48.903	.5
5	MP1A	Z	-84.702	.5
6	MP1A	Mx	.074	.5
7	MP1A	X	-48.903	4.5
8	MP1A	Z	-84.702	4.5
9	MP1A	Mx	.074	4.5
10	MP1B	X	-48.903	.5
11	MP1B	Z	-84.702	.5
12	MP1B	Mx	-.025	.5
13	MP1B	X	-48.903	4.5
14	MP1B	Z	-84.702	4.5
15	MP1B	Mx	-.025	4.5
16	MP1C	X	-24.478	.5
17	MP1C	Z	-42.397	.5
18	MP1C	Mx	-.024	.5
19	MP1C	X	-24.478	4.5
20	MP1C	Z	-42.397	4.5
21	MP1C	Mx	-.024	4.5
22	MP1A	X	-77.456	.5
23	MP1A	Z	-134.158	.5
24	MP1A	Mx	-.04	.5
25	MP1A	X	-77.456	4.5
26	MP1A	Z	-134.158	4.5
27	MP1A	Mx	-.04	4.5
28	MP1B	X	-77.456	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP1B	Z	-134.158	.5
30	MP1B	Mx	.117	.5
31	MP1B	X	-77.456	4.5
32	MP1B	Z	-134.158	4.5
33	MP1B	Mx	.117	4.5
34	MP1C	X	-56.117	.5
35	MP1C	Z	-97.197	.5
36	MP1C	Mx	-.056	.5
37	MP1C	X	-56.117	4.5
38	MP1C	Z	-97.197	4.5
39	MP1C	Mx	-.056	4.5
40	MP2A	X	-34.328	1.5
41	MP2A	Z	-59.458	1.5
42	MP2A	Mx	.017	1.5
43	MP2A	X	-34.328	3.5
44	MP2A	Z	-59.458	3.5
45	MP2A	Mx	.017	3.5
46	MP2B	X	-34.328	1.5
47	MP2B	Z	-59.458	1.5
48	MP2B	Mx	.017	1.5
49	MP2B	X	-34.328	3.5
50	MP2B	Z	-59.458	3.5
51	MP2B	Mx	.017	3.5
52	MP2C	X	-14.14	1.5
53	MP2C	Z	-24.491	1.5
54	MP2C	Mx	-.014	1.5
55	MP2C	X	-14.14	3.5
56	MP2C	Z	-24.491	3.5
57	MP2C	Mx	-.014	3.5
58	MP4A	X	-43.668	1.5
59	MP4A	Z	-75.636	1.5
60	MP4A	Mx	.022	1.5
61	MP4A	X	-43.668	3.5
62	MP4A	Z	-75.636	3.5
63	MP4A	Mx	.022	3.5
64	MP4B	X	-43.668	1.5
65	MP4B	Z	-75.636	1.5
66	MP4B	Mx	.022	1.5
67	MP4B	X	-43.668	3.5
68	MP4B	Z	-75.636	3.5
69	MP4B	Mx	.022	3.5
70	MP4C	X	-26.363	1.5
71	MP4C	Z	-45.662	1.5
72	MP4C	Mx	-.026	1.5
73	MP4C	X	-26.363	3.5
74	MP4C	Z	-45.662	3.5
75	MP4C	Mx	-.026	3.5
76	MP1A	X	-29.798	1
77	MP1A	Z	-51.612	1
78	MP1A	Mx	-.015	1
79	MP1B	X	-29.798	1
80	MP1B	Z	-51.612	1
81	MP1B	Mx	-.015	1
82	MP1C	X	-21.786	1
83	MP1C	Z	-37.734	1
84	MP1C	Mx	.022	1
85	MP2A	X	-28.803	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP2A	Z	-49.889	1
87	MP2A	Mx	-.014	1
88	MP2B	X	-28.803	1
89	MP2B	Z	-49.889	1
90	MP2B	Mx	-.014	1
91	MP2C	X	-17.806	1
92	MP2C	Z	-30.84	1
93	MP2C	Mx	.018	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	0	2.5
2	MP1B	Z	-4.765	2.5
3	MP1B	Mx	-.002	2.5
4	MP1A	X	0	.5
5	MP1A	Z	-32.518	.5
6	MP1A	Mx	.019	.5
7	MP1A	X	0	4.5
8	MP1A	Z	-32.518	4.5
9	MP1A	Mx	.019	4.5
10	MP1B	X	0	.5
11	MP1B	Z	-24.949	.5
12	MP1B	Mx	.004	.5
13	MP1B	X	0	4.5
14	MP1B	Z	-24.949	4.5
15	MP1B	Mx	.004	4.5
16	MP1C	X	0	.5
17	MP1C	Z	-24.949	.5
18	MP1C	Mx	-.018	.5
19	MP1C	X	0	4.5
20	MP1C	Z	-24.949	4.5
21	MP1C	Mx	-.018	4.5
22	MP1A	X	0	.5
23	MP1A	Z	-32.518	.5
24	MP1A	Mx	-.019	.5
25	MP1A	X	0	4.5
26	MP1A	Z	-32.518	4.5
27	MP1A	Mx	-.019	4.5
28	MP1B	X	0	.5
29	MP1B	Z	-24.949	.5
30	MP1B	Mx	.018	.5
31	MP1B	X	0	4.5
32	MP1B	Z	-24.949	4.5
33	MP1B	Mx	.018	4.5
34	MP1C	X	0	.5
35	MP1C	Z	-24.949	.5
36	MP1C	Mx	-.004	.5
37	MP1C	X	0	4.5
38	MP1C	Z	-24.949	4.5
39	MP1C	Mx	-.004	4.5
40	MP2A	X	0	1.5
41	MP2A	Z	-19.311	1.5
42	MP2A	Mx	0	1.5
43	MP2A	X	0	3.5
44	MP2A	Z	-19.311	3.5
45	MP2A	Mx	0	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP2B	X	0	1.5
47	MP2B	Z	-10.997	1.5
48	MP2B	Mx	.005	1.5
49	MP2B	X	0	3.5
50	MP2B	Z	-10.997	3.5
51	MP2B	Mx	.005	3.5
52	MP2C	X	0	1.5
53	MP2C	Z	-10.997	1.5
54	MP2C	Mx	-.005	1.5
55	MP2C	X	0	3.5
56	MP2C	Z	-10.997	3.5
57	MP2C	Mx	-.005	3.5
58	MP4A	X	0	1.5
59	MP4A	Z	-19.372	1.5
60	MP4A	Mx	0	1.5
61	MP4A	X	0	3.5
62	MP4A	Z	-19.372	3.5
63	MP4A	Mx	0	3.5
64	MP4B	X	0	1.5
65	MP4B	Z	-13.201	1.5
66	MP4B	Mx	.006	1.5
67	MP4B	X	0	3.5
68	MP4B	Z	-13.201	3.5
69	MP4B	Mx	.006	3.5
70	MP4C	X	0	1.5
71	MP4C	Z	-13.201	1.5
72	MP4C	Mx	-.006	1.5
73	MP4C	X	0	3.5
74	MP4C	Z	-13.201	3.5
75	MP4C	Mx	-.006	3.5
76	MP1A	X	0	1
77	MP1A	Z	-16.276	1
78	MP1A	Mx	0	1
79	MP1B	X	0	1
80	MP1B	Z	-12.56	1
81	MP1B	Mx	-.005	1
82	MP1C	X	0	1
83	MP1C	Z	-12.56	1
84	MP1C	Mx	.005	1
85	MP2A	X	0	1
86	MP2A	Z	-16.276	1
87	MP2A	Mx	0	1
88	MP2B	X	0	1
89	MP2B	Z	-11.148	1
90	MP2B	Mx	-.005	1
91	MP2C	X	0	1
92	MP2C	Z	-11.148	1
93	MP2C	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	1.686	2.5
2	MP1B	Z	-2.92	2.5
3	MP1B	Mx	-.002	2.5
4	MP1A	X	14.998	.5
5	MP1A	Z	-25.977	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP1A	Mx	.008	.5
7	MP1A	X	14.998	4.5
8	MP1A	Z	-25.977	4.5
9	MP1A	Mx	.008	4.5
10	MP1B	X	11.213	.5
11	MP1B	Z	-19.421	.5
12	MP1B	Mx	.011	.5
13	MP1B	X	11.213	4.5
14	MP1B	Z	-19.421	4.5
15	MP1B	Mx	.011	4.5
16	MP1C	X	14.998	.5
17	MP1C	Z	-25.977	.5
18	MP1C	Mx	-.023	.5
19	MP1C	X	14.998	4.5
20	MP1C	Z	-25.977	4.5
21	MP1C	Mx	-.023	4.5
22	MP1A	X	14.998	.5
23	MP1A	Z	-25.977	.5
24	MP1A	Mx	-.023	.5
25	MP1A	X	14.998	4.5
26	MP1A	Z	-25.977	4.5
27	MP1A	Mx	-.023	4.5
28	MP1B	X	11.213	.5
29	MP1B	Z	-19.421	.5
30	MP1B	Mx	.011	.5
31	MP1B	X	11.213	4.5
32	MP1B	Z	-19.421	4.5
33	MP1B	Mx	.011	4.5
34	MP1C	X	14.998	.5
35	MP1C	Z	-25.977	.5
36	MP1C	Mx	.008	.5
37	MP1C	X	14.998	4.5
38	MP1C	Z	-25.977	4.5
39	MP1C	Mx	.008	4.5
40	MP2A	X	8.27	1.5
41	MP2A	Z	-14.324	1.5
42	MP2A	Mx	-.004	1.5
43	MP2A	X	8.27	3.5
44	MP2A	Z	-14.324	3.5
45	MP2A	Mx	-.004	3.5
46	MP2B	X	4.113	1.5
47	MP2B	Z	-7.124	1.5
48	MP2B	Mx	.004	1.5
49	MP2B	X	4.113	3.5
50	MP2B	Z	-7.124	3.5
51	MP2B	Mx	.004	3.5
52	MP2C	X	8.27	1.5
53	MP2C	Z	-14.324	1.5
54	MP2C	Mx	-.004	1.5
55	MP2C	X	8.27	3.5
56	MP2C	Z	-14.324	3.5
57	MP2C	Mx	-.004	3.5
58	MP4A	X	8.658	1.5
59	MP4A	Z	-14.995	1.5
60	MP4A	Mx	-.004	1.5
61	MP4A	X	8.658	3.5
62	MP4A	Z	-14.995	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP4A	Mx	-.004	3.5
64	MP4B	X	5.572	1.5
65	MP4B	Z	-9.652	1.5
66	MP4B	Mx	.006	1.5
67	MP4B	X	5.572	3.5
68	MP4B	Z	-9.652	3.5
69	MP4B	Mx	.006	3.5
70	MP4C	X	8.658	1.5
71	MP4C	Z	-14.995	1.5
72	MP4C	Mx	-.004	1.5
73	MP4C	X	8.658	3.5
74	MP4C	Z	-14.995	3.5
75	MP4C	Mx	-.004	3.5
76	MP1A	X	7.519	1
77	MP1A	Z	-13.023	1
78	MP1A	Mx	.004	1
79	MP1B	X	5.661	1
80	MP1B	Z	-9.805	1
81	MP1B	Mx	-.006	1
82	MP1C	X	7.519	1
83	MP1C	Z	-13.023	1
84	MP1C	Mx	.004	1
85	MP2A	X	7.283	1
86	MP2A	Z	-12.615	1
87	MP2A	Mx	.004	1
88	MP2B	X	4.72	1
89	MP2B	Z	-8.175	1
90	MP2B	Mx	-.005	1
91	MP2C	X	7.283	1
92	MP2C	Z	-12.615	1
93	MP2C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	4.127	2.5
2	MP1B	Z	-2.383	2.5
3	MP1B	Mx	-.002	2.5
4	MP1A	X	21.606	.5
5	MP1A	Z	-12.474	.5
6	MP1A	Mx	-.004	.5
7	MP1A	X	21.606	4.5
8	MP1A	Z	-12.474	4.5
9	MP1A	Mx	-.004	4.5
10	MP1B	X	21.606	.5
11	MP1B	Z	-12.474	.5
12	MP1B	Mx	.018	.5
13	MP1B	X	21.606	4.5
14	MP1B	Z	-12.474	4.5
15	MP1B	Mx	.018	4.5
16	MP1C	X	28.162	.5
17	MP1C	Z	-16.259	.5
18	MP1C	Mx	-.019	.5
19	MP1C	X	28.162	4.5
20	MP1C	Z	-16.259	4.5
21	MP1C	Mx	-.019	4.5
22	MP1A	X	21.606	.5





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP1A	Z	-12.474	.5
24	MP1A	Mx	-.018	.5
25	MP1A	X	21.606	4.5
26	MP1A	Z	-12.474	4.5
27	MP1A	Mx	-.018	4.5
28	MP1B	X	21.606	.5
29	MP1B	Z	-12.474	.5
30	MP1B	Mx	.004	.5
31	MP1B	X	21.606	4.5
32	MP1B	Z	-12.474	4.5
33	MP1B	Mx	.004	4.5
34	MP1C	X	28.162	.5
35	MP1C	Z	-16.259	.5
36	MP1C	Mx	.019	.5
37	MP1C	X	28.162	4.5
38	MP1C	Z	-16.259	4.5
39	MP1C	Mx	.019	4.5
40	MP2A	X	9.524	1.5
41	MP2A	Z	-5.499	1.5
42	MP2A	Mx	-.005	1.5
43	MP2A	X	9.524	3.5
44	MP2A	Z	-5.499	3.5
45	MP2A	Mx	-.005	3.5
46	MP2B	X	9.524	1.5
47	MP2B	Z	-5.499	1.5
48	MP2B	Mx	.005	1.5
49	MP2B	X	9.524	3.5
50	MP2B	Z	-5.499	3.5
51	MP2B	Mx	.005	3.5
52	MP2C	X	16.724	1.5
53	MP2C	Z	-9.656	1.5
54	MP2C	Mx	0	1.5
55	MP2C	X	16.724	3.5
56	MP2C	Z	-9.656	3.5
57	MP2C	Mx	0	3.5
58	MP4A	X	11.433	1.5
59	MP4A	Z	-6.601	1.5
60	MP4A	Mx	-.006	1.5
61	MP4A	X	11.433	3.5
62	MP4A	Z	-6.601	3.5
63	MP4A	Mx	-.006	3.5
64	MP4B	X	11.433	1.5
65	MP4B	Z	-6.601	1.5
66	MP4B	Mx	.006	1.5
67	MP4B	X	11.433	3.5
68	MP4B	Z	-6.601	3.5
69	MP4B	Mx	.006	3.5
70	MP4C	X	16.776	1.5
71	MP4C	Z	-9.686	1.5
72	MP4C	Mx	0	1.5
73	MP4C	X	16.776	3.5
74	MP4C	Z	-9.686	3.5
75	MP4C	Mx	0	3.5
76	MP1A	X	10.878	1
77	MP1A	Z	-6.28	1
78	MP1A	Mx	.005	1
79	MP1B	X	10.878	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1B	Z	-6.28	1
81	MP1B	Mx	-.005	1
82	MP1C	X	14.095	1
83	MP1C	Z	-8.138	1
84	MP1C	Mx	0	1
85	MP2A	X	9.655	1
86	MP2A	Z	-5.574	1
87	MP2A	Mx	.005	1
88	MP2B	X	9.655	1
89	MP2B	Z	-5.574	1
90	MP2B	Mx	-.005	1
91	MP2C	X	14.095	1
92	MP2C	Z	-8.138	1
93	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1B	X	7.553	2.5
2	MP1B	Z	0	2.5
3	MP1B	Mx	-.002	2.5
4	MP1A	X	22.426	.5
5	MP1A	Z	0	.5
6	MP1A	Mx	-.011	.5
7	MP1A	X	22.426	4.5
8	MP1A	Z	0	4.5
9	MP1A	Mx	-.011	4.5
10	MP1B	X	29.995	.5
11	MP1B	Z	0	.5
12	MP1B	Mx	.023	.5
13	MP1B	X	29.995	4.5
14	MP1B	Z	0	4.5
15	MP1B	Mx	.023	4.5
16	MP1C	X	29.995	.5
17	MP1C	Z	0	.5
18	MP1C	Mx	-.008	.5
19	MP1C	X	29.995	4.5
20	MP1C	Z	0	4.5
21	MP1C	Mx	-.008	4.5
22	MP1A	X	22.426	.5
23	MP1A	Z	0	.5
24	MP1A	Mx	-.011	.5
25	MP1A	X	22.426	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	-.011	4.5
28	MP1B	X	29.995	.5
29	MP1B	Z	0	.5
30	MP1B	Mx	-.008	.5
31	MP1B	X	29.995	4.5
32	MP1B	Z	0	4.5
33	MP1B	Mx	-.008	4.5
34	MP1C	X	29.995	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	.023	.5
37	MP1C	X	29.995	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	.023	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP2A	X	8.226	1.5
41	MP2A	Z	0	1.5
42	MP2A	Mx	-.004	1.5
43	MP2A	X	8.226	3.5
44	MP2A	Z	0	3.5
45	MP2A	Mx	-.004	3.5
46	MP2B	X	16.54	1.5
47	MP2B	Z	0	1.5
48	MP2B	Mx	.004	1.5
49	MP2B	X	16.54	3.5
50	MP2B	Z	0	3.5
51	MP2B	Mx	.004	3.5
52	MP2C	X	16.54	1.5
53	MP2C	Z	0	1.5
54	MP2C	Mx	.004	1.5
55	MP2C	X	16.54	3.5
56	MP2C	Z	0	3.5
57	MP2C	Mx	.004	3.5
58	MP4A	X	11.145	1.5
59	MP4A	Z	0	1.5
60	MP4A	Mx	-.006	1.5
61	MP4A	X	11.145	3.5
62	MP4A	Z	0	3.5
63	MP4A	Mx	-.006	3.5
64	MP4B	X	17.315	1.5
65	MP4B	Z	0	1.5
66	MP4B	Mx	.004	1.5
67	MP4B	X	17.315	3.5
68	MP4B	Z	0	3.5
69	MP4B	Mx	.004	3.5
70	MP4C	X	17.315	1.5
71	MP4C	Z	0	1.5
72	MP4C	Mx	.004	1.5
73	MP4C	X	17.315	3.5
74	MP4C	Z	0	3.5
75	MP4C	Mx	.004	3.5
76	MP1A	X	11.322	1
77	MP1A	Z	0	1
78	MP1A	Mx	.006	1
79	MP1B	X	15.037	1
80	MP1B	Z	0	1
81	MP1B	Mx	-.004	1
82	MP1C	X	15.037	1
83	MP1C	Z	0	1
84	MP1C	Mx	-.004	1
85	MP2A	X	9.439	1
86	MP2A	Z	0	1
87	MP2A	Mx	.005	1
88	MP2B	X	14.567	1
89	MP2B	Z	0	1
90	MP2B	Mx	-.004	1
91	MP2C	X	14.567	1
92	MP2C	Z	0	1
93	MP2C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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**Member Point Loads (BLC 19 : Antenna Wi (120 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	7.749	2.5
2	MP1B	Z	4.474	2.5
3	MP1B	Mx	0	2.5
4	MP1A	X	21.606	.5
5	MP1A	Z	12.474	.5
6	MP1A	Mx	-.018	.5
7	MP1A	X	21.606	4.5
8	MP1A	Z	12.474	4.5
9	MP1A	Mx	-.018	4.5
10	MP1B	X	28.162	.5
11	MP1B	Z	16.259	.5
12	MP1B	Mx	.019	.5
13	MP1B	X	28.162	4.5
14	MP1B	Z	16.259	4.5
15	MP1B	Mx	.019	4.5
16	MP1C	X	21.606	.5
17	MP1C	Z	12.474	.5
18	MP1C	Mx	.004	.5
19	MP1C	X	21.606	4.5
20	MP1C	Z	12.474	4.5
21	MP1C	Mx	.004	4.5
22	MP1A	X	21.606	.5
23	MP1A	Z	12.474	.5
24	MP1A	Mx	-.004	.5
25	MP1A	X	21.606	4.5
26	MP1A	Z	12.474	4.5
27	MP1A	Mx	-.004	4.5
28	MP1B	X	28.162	.5
29	MP1B	Z	16.259	.5
30	MP1B	Mx	-.019	.5
31	MP1B	X	28.162	4.5
32	MP1B	Z	16.259	4.5
33	MP1B	Mx	-.019	4.5
34	MP1C	X	21.606	.5
35	MP1C	Z	12.474	.5
36	MP1C	Mx	.018	.5
37	MP1C	X	21.606	4.5
38	MP1C	Z	12.474	4.5
39	MP1C	Mx	.018	4.5
40	MP2A	X	9.524	1.5
41	MP2A	Z	5.499	1.5
42	MP2A	Mx	-.005	1.5
43	MP2A	X	9.524	3.5
44	MP2A	Z	5.499	3.5
45	MP2A	Mx	-.005	3.5
46	MP2B	X	16.724	1.5
47	MP2B	Z	9.656	1.5
48	MP2B	Mx	0	1.5
49	MP2B	X	16.724	3.5
50	MP2B	Z	9.656	3.5
51	MP2B	Mx	0	3.5
52	MP2C	X	9.524	1.5
53	MP2C	Z	5.499	1.5
54	MP2C	Mx	.005	1.5
55	MP2C	X	9.524	3.5
56	MP2C	Z	5.499	3.5
57	MP2C	Mx	.005	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP4A	X	11.433	1.5
59	MP4A	Z	6.601	1.5
60	MP4A	Mx	-.006	1.5
61	MP4A	X	11.433	3.5
62	MP4A	Z	6.601	3.5
63	MP4A	Mx	-.006	3.5
64	MP4B	X	16.776	1.5
65	MP4B	Z	9.686	1.5
66	MP4B	Mx	0	1.5
67	MP4B	X	16.776	3.5
68	MP4B	Z	9.686	3.5
69	MP4B	Mx	0	3.5
70	MP4C	X	11.433	1.5
71	MP4C	Z	6.601	1.5
72	MP4C	Mx	.006	1.5
73	MP4C	X	11.433	3.5
74	MP4C	Z	6.601	3.5
75	MP4C	Mx	.006	3.5
76	MP1A	X	10.878	1
77	MP1A	Z	6.28	1
78	MP1A	Mx	.005	1
79	MP1B	X	14.095	1
80	MP1B	Z	8.138	1
81	MP1B	Mx	0	1
82	MP1C	X	10.878	1
83	MP1C	Z	6.28	1
84	MP1C	Mx	-.005	1
85	MP2A	X	9.655	1
86	MP2A	Z	5.574	1
87	MP2A	Mx	.005	1
88	MP2B	X	14.095	1
89	MP2B	Z	8.138	1
90	MP2B	Mx	0	1
91	MP2C	X	9.655	1
92	MP2C	Z	5.574	1
93	MP2C	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	3.777	2.5
2	MP1B	Z	6.541	2.5
3	MP1B	Mx	.002	2.5
4	MP1A	X	14.998	.5
5	MP1A	Z	25.977	.5
6	MP1A	Mx	-.023	.5
7	MP1A	X	14.998	4.5
8	MP1A	Z	25.977	4.5
9	MP1A	Mx	-.023	4.5
10	MP1B	X	14.998	.5
11	MP1B	Z	25.977	.5
12	MP1B	Mx	.008	.5
13	MP1B	X	14.998	4.5
14	MP1B	Z	25.977	4.5
15	MP1B	Mx	.008	4.5
16	MP1C	X	11.213	.5
17	MP1C	Z	19.421	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP1C	Mx	.011	.5
19	MP1C	X	11.213	4.5
20	MP1C	Z	19.421	4.5
21	MP1C	Mx	.011	4.5
22	MP1A	X	14.998	.5
23	MP1A	Z	25.977	.5
24	MP1A	Mx	.008	.5
25	MP1A	X	14.998	4.5
26	MP1A	Z	25.977	4.5
27	MP1A	Mx	.008	4.5
28	MP1B	X	14.998	.5
29	MP1B	Z	25.977	.5
30	MP1B	Mx	-.023	.5
31	MP1B	X	14.998	4.5
32	MP1B	Z	25.977	4.5
33	MP1B	Mx	-.023	4.5
34	MP1C	X	11.213	.5
35	MP1C	Z	19.421	.5
36	MP1C	Mx	.011	.5
37	MP1C	X	11.213	4.5
38	MP1C	Z	19.421	4.5
39	MP1C	Mx	.011	4.5
40	MP2A	X	8.27	1.5
41	MP2A	Z	14.324	1.5
42	MP2A	Mx	-.004	1.5
43	MP2A	X	8.27	3.5
44	MP2A	Z	14.324	3.5
45	MP2A	Mx	-.004	3.5
46	MP2B	X	8.27	1.5
47	MP2B	Z	14.324	1.5
48	MP2B	Mx	-.004	1.5
49	MP2B	X	8.27	3.5
50	MP2B	Z	14.324	3.5
51	MP2B	Mx	-.004	3.5
52	MP2C	X	4.113	1.5
53	MP2C	Z	7.124	1.5
54	MP2C	Mx	.004	1.5
55	MP2C	X	4.113	3.5
56	MP2C	Z	7.124	3.5
57	MP2C	Mx	.004	3.5
58	MP4A	X	8.658	1.5
59	MP4A	Z	14.995	1.5
60	MP4A	Mx	-.004	1.5
61	MP4A	X	8.658	3.5
62	MP4A	Z	14.995	3.5
63	MP4A	Mx	-.004	3.5
64	MP4B	X	8.658	1.5
65	MP4B	Z	14.995	1.5
66	MP4B	Mx	-.004	1.5
67	MP4B	X	8.658	3.5
68	MP4B	Z	14.995	3.5
69	MP4B	Mx	-.004	3.5
70	MP4C	X	5.572	1.5
71	MP4C	Z	9.652	1.5
72	MP4C	Mx	.006	1.5
73	MP4C	X	5.572	3.5
74	MP4C	Z	9.652	3.5





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
35	MP1C	Z	24.949	.5
36	MP1C	Mx	.004	.5
37	MP1C	X	0	4.5
38	MP1C	Z	24.949	4.5
39	MP1C	Mx	.004	4.5
40	MP2A	X	0	1.5
41	MP2A	Z	19.311	1.5
42	MP2A	Mx	0	1.5
43	MP2A	X	0	3.5
44	MP2A	Z	19.311	3.5
45	MP2A	Mx	0	3.5
46	MP2B	X	0	1.5
47	MP2B	Z	10.997	1.5
48	MP2B	Mx	-.005	1.5
49	MP2B	X	0	3.5
50	MP2B	Z	10.997	3.5
51	MP2B	Mx	-.005	3.5
52	MP2C	X	0	1.5
53	MP2C	Z	10.997	1.5
54	MP2C	Mx	.005	1.5
55	MP2C	X	0	3.5
56	MP2C	Z	10.997	3.5
57	MP2C	Mx	.005	3.5
58	MP4A	X	0	1.5
59	MP4A	Z	19.372	1.5
60	MP4A	Mx	0	1.5
61	MP4A	X	0	3.5
62	MP4A	Z	19.372	3.5
63	MP4A	Mx	0	3.5
64	MP4B	X	0	1.5
65	MP4B	Z	13.201	1.5
66	MP4B	Mx	-.006	1.5
67	MP4B	X	0	3.5
68	MP4B	Z	13.201	3.5
69	MP4B	Mx	-.006	3.5
70	MP4C	X	0	1.5
71	MP4C	Z	13.201	1.5
72	MP4C	Mx	.006	1.5
73	MP4C	X	0	3.5
74	MP4C	Z	13.201	3.5
75	MP4C	Mx	.006	3.5
76	MP1A	X	0	1
77	MP1A	Z	16.276	1
78	MP1A	Mx	0	1
79	MP1B	X	0	1
80	MP1B	Z	12.56	1
81	MP1B	Mx	.005	1
82	MP1C	X	0	1
83	MP1C	Z	12.56	1
84	MP1C	Mx	-.005	1
85	MP2A	X	0	1
86	MP2A	Z	16.276	1
87	MP2A	Mx	0	1
88	MP2B	X	0	1
89	MP2B	Z	11.148	1
90	MP2B	Mx	.005	1
91	MP2C	X	0	1





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
92	MP2C	Z	11.148	1
93	MP2C	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	-1.686	2.5
2	MP1B	Z	2.92	2.5
3	MP1B	Mx	.002	2.5
4	MP1A	X	-14.998	.5
5	MP1A	Z	25.977	.5
6	MP1A	Mx	-.008	.5
7	MP1A	X	-14.998	4.5
8	MP1A	Z	25.977	4.5
9	MP1A	Mx	-.008	4.5
10	MP1B	X	-11.213	.5
11	MP1B	Z	19.421	.5
12	MP1B	Mx	-.011	.5
13	MP1B	X	-11.213	4.5
14	MP1B	Z	19.421	4.5
15	MP1B	Mx	-.011	4.5
16	MP1C	X	-14.998	.5
17	MP1C	Z	25.977	.5
18	MP1C	Mx	.023	.5
19	MP1C	X	-14.998	4.5
20	MP1C	Z	25.977	4.5
21	MP1C	Mx	.023	4.5
22	MP1A	X	-14.998	.5
23	MP1A	Z	25.977	.5
24	MP1A	Mx	.023	.5
25	MP1A	X	-14.998	4.5
26	MP1A	Z	25.977	4.5
27	MP1A	Mx	.023	4.5
28	MP1B	X	-11.213	.5
29	MP1B	Z	19.421	.5
30	MP1B	Mx	-.011	.5
31	MP1B	X	-11.213	4.5
32	MP1B	Z	19.421	4.5
33	MP1B	Mx	-.011	4.5
34	MP1C	X	-14.998	.5
35	MP1C	Z	25.977	.5
36	MP1C	Mx	-.008	.5
37	MP1C	X	-14.998	4.5
38	MP1C	Z	25.977	4.5
39	MP1C	Mx	-.008	4.5
40	MP2A	X	-8.27	1.5
41	MP2A	Z	14.324	1.5
42	MP2A	Mx	.004	1.5
43	MP2A	X	-8.27	3.5
44	MP2A	Z	14.324	3.5
45	MP2A	Mx	.004	3.5
46	MP2B	X	-4.113	1.5
47	MP2B	Z	7.124	1.5
48	MP2B	Mx	-.004	1.5
49	MP2B	X	-4.113	3.5
50	MP2B	Z	7.124	3.5
51	MP2B	Mx	-.004	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
52	MP2C	X	-8.27	1.5
53	MP2C	Z	14.324	1.5
54	MP2C	Mx	.004	1.5
55	MP2C	X	-8.27	3.5
56	MP2C	Z	14.324	3.5
57	MP2C	Mx	.004	3.5
58	MP4A	X	-8.658	1.5
59	MP4A	Z	14.995	1.5
60	MP4A	Mx	.004	1.5
61	MP4A	X	-8.658	3.5
62	MP4A	Z	14.995	3.5
63	MP4A	Mx	.004	3.5
64	MP4B	X	-5.572	1.5
65	MP4B	Z	9.652	1.5
66	MP4B	Mx	-.006	1.5
67	MP4B	X	-5.572	3.5
68	MP4B	Z	9.652	3.5
69	MP4B	Mx	-.006	3.5
70	MP4C	X	-8.658	1.5
71	MP4C	Z	14.995	1.5
72	MP4C	Mx	.004	1.5
73	MP4C	X	-8.658	3.5
74	MP4C	Z	14.995	3.5
75	MP4C	Mx	.004	3.5
76	MP1A	X	-7.519	1
77	MP1A	Z	13.023	1
78	MP1A	Mx	-.004	1
79	MP1B	X	-5.661	1
80	MP1B	Z	9.805	1
81	MP1B	Mx	.006	1
82	MP1C	X	-7.519	1
83	MP1C	Z	13.023	1
84	MP1C	Mx	-.004	1
85	MP2A	X	-7.283	1
86	MP2A	Z	12.615	1
87	MP2A	Mx	-.004	1
88	MP2B	X	-4.72	1
89	MP2B	Z	8.175	1
90	MP2B	Mx	.005	1
91	MP2C	X	-7.283	1
92	MP2C	Z	12.615	1
93	MP2C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	-4.127	2.5
2	MP1B	Z	2.383	2.5
3	MP1B	Mx	.002	2.5
4	MP1A	X	-21.606	.5
5	MP1A	Z	12.474	.5
6	MP1A	Mx	.004	.5
7	MP1A	X	-21.606	4.5
8	MP1A	Z	12.474	4.5
9	MP1A	Mx	.004	4.5
10	MP1B	X	-21.606	.5
11	MP1B	Z	12.474	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP1B	Mx	-.018	.5
13	MP1B	X	-21.606	4.5
14	MP1B	Z	12.474	4.5
15	MP1B	Mx	-.018	4.5
16	MP1C	X	-28.162	.5
17	MP1C	Z	16.259	.5
18	MP1C	Mx	.019	.5
19	MP1C	X	-28.162	4.5
20	MP1C	Z	16.259	4.5
21	MP1C	Mx	.019	4.5
22	MP1A	X	-21.606	.5
23	MP1A	Z	12.474	.5
24	MP1A	Mx	.018	.5
25	MP1A	X	-21.606	4.5
26	MP1A	Z	12.474	4.5
27	MP1A	Mx	.018	4.5
28	MP1B	X	-21.606	.5
29	MP1B	Z	12.474	.5
30	MP1B	Mx	-.004	.5
31	MP1B	X	-21.606	4.5
32	MP1B	Z	12.474	4.5
33	MP1B	Mx	-.004	4.5
34	MP1C	X	-28.162	.5
35	MP1C	Z	16.259	.5
36	MP1C	Mx	-.019	.5
37	MP1C	X	-28.162	4.5
38	MP1C	Z	16.259	4.5
39	MP1C	Mx	-.019	4.5
40	MP2A	X	-9.524	1.5
41	MP2A	Z	5.499	1.5
42	MP2A	Mx	.005	1.5
43	MP2A	X	-9.524	3.5
44	MP2A	Z	5.499	3.5
45	MP2A	Mx	.005	3.5
46	MP2B	X	-9.524	1.5
47	MP2B	Z	5.499	1.5
48	MP2B	Mx	-.005	1.5
49	MP2B	X	-9.524	3.5
50	MP2B	Z	5.499	3.5
51	MP2B	Mx	-.005	3.5
52	MP2C	X	-16.724	1.5
53	MP2C	Z	9.656	1.5
54	MP2C	Mx	0	1.5
55	MP2C	X	-16.724	3.5
56	MP2C	Z	9.656	3.5
57	MP2C	Mx	0	3.5
58	MP4A	X	-11.433	1.5
59	MP4A	Z	6.601	1.5
60	MP4A	Mx	.006	1.5
61	MP4A	X	-11.433	3.5
62	MP4A	Z	6.601	3.5
63	MP4A	Mx	.006	3.5
64	MP4B	X	-11.433	1.5
65	MP4B	Z	6.601	1.5
66	MP4B	Mx	-.006	1.5
67	MP4B	X	-11.433	3.5
68	MP4B	Z	6.601	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP4B	Mx	-.006	3.5
70	MP4C	X	-16.776	1.5
71	MP4C	Z	9.686	1.5
72	MP4C	Mx	0	1.5
73	MP4C	X	-16.776	3.5
74	MP4C	Z	9.686	3.5
75	MP4C	Mx	0	3.5
76	MP1A	X	-10.878	1
77	MP1A	Z	6.28	1
78	MP1A	Mx	-.005	1
79	MP1B	X	-10.878	1
80	MP1B	Z	6.28	1
81	MP1B	Mx	.005	1
82	MP1C	X	-14.095	1
83	MP1C	Z	8.138	1
84	MP1C	Mx	0	1
85	MP2A	X	-9.655	1
86	MP2A	Z	5.574	1
87	MP2A	Mx	-.005	1
88	MP2B	X	-9.655	1
89	MP2B	Z	5.574	1
90	MP2B	Mx	.005	1
91	MP2C	X	-14.095	1
92	MP2C	Z	8.138	1
93	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	-7.553	2.5
2	MP1B	Z	0	2.5
3	MP1B	Mx	.002	2.5
4	MP1A	X	-22.426	.5
5	MP1A	Z	0	.5
6	MP1A	Mx	.011	.5
7	MP1A	X	-22.426	4.5
8	MP1A	Z	0	4.5
9	MP1A	Mx	.011	4.5
10	MP1B	X	-29.995	.5
11	MP1B	Z	0	.5
12	MP1B	Mx	-.023	.5
13	MP1B	X	-29.995	4.5
14	MP1B	Z	0	4.5
15	MP1B	Mx	-.023	4.5
16	MP1C	X	-29.995	.5
17	MP1C	Z	0	.5
18	MP1C	Mx	.008	.5
19	MP1C	X	-29.995	4.5
20	MP1C	Z	0	4.5
21	MP1C	Mx	.008	4.5
22	MP1A	X	-22.426	.5
23	MP1A	Z	0	.5
24	MP1A	Mx	.011	.5
25	MP1A	X	-22.426	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	.011	4.5
28	MP1B	X	-29.995	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP1B	Z	0	.5
30	MP1B	Mx	.008	.5
31	MP1B	X	-29.995	4.5
32	MP1B	Z	0	4.5
33	MP1B	Mx	.008	4.5
34	MP1C	X	-29.995	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	-.023	.5
37	MP1C	X	-29.995	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	-.023	4.5
40	MP2A	X	-8.226	1.5
41	MP2A	Z	0	1.5
42	MP2A	Mx	.004	1.5
43	MP2A	X	-8.226	3.5
44	MP2A	Z	0	3.5
45	MP2A	Mx	.004	3.5
46	MP2B	X	-16.54	1.5
47	MP2B	Z	0	1.5
48	MP2B	Mx	-.004	1.5
49	MP2B	X	-16.54	3.5
50	MP2B	Z	0	3.5
51	MP2B	Mx	-.004	3.5
52	MP2C	X	-16.54	1.5
53	MP2C	Z	0	1.5
54	MP2C	Mx	-.004	1.5
55	MP2C	X	-16.54	3.5
56	MP2C	Z	0	3.5
57	MP2C	Mx	-.004	3.5
58	MP4A	X	-11.145	1.5
59	MP4A	Z	0	1.5
60	MP4A	Mx	.006	1.5
61	MP4A	X	-11.145	3.5
62	MP4A	Z	0	3.5
63	MP4A	Mx	.006	3.5
64	MP4B	X	-17.315	1.5
65	MP4B	Z	0	1.5
66	MP4B	Mx	-.004	1.5
67	MP4B	X	-17.315	3.5
68	MP4B	Z	0	3.5
69	MP4B	Mx	-.004	3.5
70	MP4C	X	-17.315	1.5
71	MP4C	Z	0	1.5
72	MP4C	Mx	-.004	1.5
73	MP4C	X	-17.315	3.5
74	MP4C	Z	0	3.5
75	MP4C	Mx	-.004	3.5
76	MP1A	X	-11.322	1
77	MP1A	Z	0	1
78	MP1A	Mx	-.006	1
79	MP1B	X	-15.037	1
80	MP1B	Z	0	1
81	MP1B	Mx	.004	1
82	MP1C	X	-15.037	1
83	MP1C	Z	0	1
84	MP1C	Mx	.004	1
85	MP2A	X	-9.439	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP2A	Z	0	1
87	MP2A	Mx	-.005	1
88	MP2B	X	-14.567	1
89	MP2B	Z	0	1
90	MP2B	Mx	.004	1
91	MP2C	X	-14.567	1
92	MP2C	Z	0	1
93	MP2C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	-7.749	2.5
2	MP1B	Z	-4.474	2.5
3	MP1B	Mx	0	2.5
4	MP1A	X	-21.606	.5
5	MP1A	Z	-12.474	.5
6	MP1A	Mx	.018	.5
7	MP1A	X	-21.606	4.5
8	MP1A	Z	-12.474	4.5
9	MP1A	Mx	.018	4.5
10	MP1B	X	-28.162	.5
11	MP1B	Z	-16.259	.5
12	MP1B	Mx	-.019	.5
13	MP1B	X	-28.162	4.5
14	MP1B	Z	-16.259	4.5
15	MP1B	Mx	-.019	4.5
16	MP1C	X	-21.606	.5
17	MP1C	Z	-12.474	.5
18	MP1C	Mx	-.004	.5
19	MP1C	X	-21.606	4.5
20	MP1C	Z	-12.474	4.5
21	MP1C	Mx	-.004	4.5
22	MP1A	X	-21.606	.5
23	MP1A	Z	-12.474	.5
24	MP1A	Mx	.004	.5
25	MP1A	X	-21.606	4.5
26	MP1A	Z	-12.474	4.5
27	MP1A	Mx	.004	4.5
28	MP1B	X	-28.162	.5
29	MP1B	Z	-16.259	.5
30	MP1B	Mx	.019	.5
31	MP1B	X	-28.162	4.5
32	MP1B	Z	-16.259	4.5
33	MP1B	Mx	.019	4.5
34	MP1C	X	-21.606	.5
35	MP1C	Z	-12.474	.5
36	MP1C	Mx	-.018	.5
37	MP1C	X	-21.606	4.5
38	MP1C	Z	-12.474	4.5
39	MP1C	Mx	-.018	4.5
40	MP2A	X	-9.524	1.5
41	MP2A	Z	-5.499	1.5
42	MP2A	Mx	.005	1.5
43	MP2A	X	-9.524	3.5
44	MP2A	Z	-5.499	3.5
45	MP2A	Mx	.005	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP2B	X	-16.724	1.5
47	MP2B	Z	-9.656	1.5
48	MP2B	Mx	0	1.5
49	MP2B	X	-16.724	3.5
50	MP2B	Z	-9.656	3.5
51	MP2B	Mx	0	3.5
52	MP2C	X	-9.524	1.5
53	MP2C	Z	-5.499	1.5
54	MP2C	Mx	-.005	1.5
55	MP2C	X	-9.524	3.5
56	MP2C	Z	-5.499	3.5
57	MP2C	Mx	-.005	3.5
58	MP4A	X	-11.433	1.5
59	MP4A	Z	-6.601	1.5
60	MP4A	Mx	.006	1.5
61	MP4A	X	-11.433	3.5
62	MP4A	Z	-6.601	3.5
63	MP4A	Mx	.006	3.5
64	MP4B	X	-16.776	1.5
65	MP4B	Z	-9.686	1.5
66	MP4B	Mx	0	1.5
67	MP4B	X	-16.776	3.5
68	MP4B	Z	-9.686	3.5
69	MP4B	Mx	0	3.5
70	MP4C	X	-11.433	1.5
71	MP4C	Z	-6.601	1.5
72	MP4C	Mx	-.006	1.5
73	MP4C	X	-11.433	3.5
74	MP4C	Z	-6.601	3.5
75	MP4C	Mx	-.006	3.5
76	MP1A	X	-10.878	1
77	MP1A	Z	-6.28	1
78	MP1A	Mx	-.005	1
79	MP1B	X	-14.095	1
80	MP1B	Z	-8.138	1
81	MP1B	Mx	0	1
82	MP1C	X	-10.878	1
83	MP1C	Z	-6.28	1
84	MP1C	Mx	.005	1
85	MP2A	X	-9.655	1
86	MP2A	Z	-5.574	1
87	MP2A	Mx	-.005	1
88	MP2B	X	-14.095	1
89	MP2B	Z	-8.138	1
90	MP2B	Mx	0	1
91	MP2C	X	-9.655	1
92	MP2C	Z	-5.574	1
93	MP2C	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	-3.777	2.5
2	MP1B	Z	-6.541	2.5
3	MP1B	Mx	-.002	2.5
4	MP1A	X	-14.998	.5
5	MP1A	Z	-25.977	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP1A	Mx	.023	.5
7	MP1A	X	-14.998	4.5
8	MP1A	Z	-25.977	4.5
9	MP1A	Mx	.023	4.5
10	MP1B	X	-14.998	.5
11	MP1B	Z	-25.977	.5
12	MP1B	Mx	-.008	.5
13	MP1B	X	-14.998	4.5
14	MP1B	Z	-25.977	4.5
15	MP1B	Mx	-.008	4.5
16	MP1C	X	-11.213	.5
17	MP1C	Z	-19.421	.5
18	MP1C	Mx	-.011	.5
19	MP1C	X	-11.213	4.5
20	MP1C	Z	-19.421	4.5
21	MP1C	Mx	-.011	4.5
22	MP1A	X	-14.998	.5
23	MP1A	Z	-25.977	.5
24	MP1A	Mx	-.008	.5
25	MP1A	X	-14.998	4.5
26	MP1A	Z	-25.977	4.5
27	MP1A	Mx	-.008	4.5
28	MP1B	X	-14.998	.5
29	MP1B	Z	-25.977	.5
30	MP1B	Mx	.023	.5
31	MP1B	X	-14.998	4.5
32	MP1B	Z	-25.977	4.5
33	MP1B	Mx	.023	4.5
34	MP1C	X	-11.213	.5
35	MP1C	Z	-19.421	.5
36	MP1C	Mx	-.011	.5
37	MP1C	X	-11.213	4.5
38	MP1C	Z	-19.421	4.5
39	MP1C	Mx	-.011	4.5
40	MP2A	X	-8.27	1.5
41	MP2A	Z	-14.324	1.5
42	MP2A	Mx	.004	1.5
43	MP2A	X	-8.27	3.5
44	MP2A	Z	-14.324	3.5
45	MP2A	Mx	.004	3.5
46	MP2B	X	-8.27	1.5
47	MP2B	Z	-14.324	1.5
48	MP2B	Mx	.004	1.5
49	MP2B	X	-8.27	3.5
50	MP2B	Z	-14.324	3.5
51	MP2B	Mx	.004	3.5
52	MP2C	X	-4.113	1.5
53	MP2C	Z	-7.124	1.5
54	MP2C	Mx	-.004	1.5
55	MP2C	X	-4.113	3.5
56	MP2C	Z	-7.124	3.5
57	MP2C	Mx	-.004	3.5
58	MP4A	X	-8.658	1.5
59	MP4A	Z	-14.995	1.5
60	MP4A	Mx	.004	1.5
61	MP4A	X	-8.658	3.5
62	MP4A	Z	-14.995	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP4A	Mx	.004	3.5
64	MP4B	X	-8.658	1.5
65	MP4B	Z	-14.995	1.5
66	MP4B	Mx	.004	1.5
67	MP4B	X	-8.658	3.5
68	MP4B	Z	-14.995	3.5
69	MP4B	Mx	.004	3.5
70	MP4C	X	-5.572	1.5
71	MP4C	Z	-9.652	1.5
72	MP4C	Mx	-.006	1.5
73	MP4C	X	-5.572	3.5
74	MP4C	Z	-9.652	3.5
75	MP4C	Mx	-.006	3.5
76	MP1A	X	-7.519	1
77	MP1A	Z	-13.023	1
78	MP1A	Mx	-.004	1
79	MP1B	X	-7.519	1
80	MP1B	Z	-13.023	1
81	MP1B	Mx	-.004	1
82	MP1C	X	-5.661	1
83	MP1C	Z	-9.805	1
84	MP1C	Mx	.006	1
85	MP2A	X	-7.283	1
86	MP2A	Z	-12.615	1
87	MP2A	Mx	-.004	1
88	MP2B	X	-7.283	1
89	MP2B	Z	-12.615	1
90	MP2B	Mx	-.004	1
91	MP2C	X	-4.72	1
92	MP2C	Z	-8.175	1
93	MP2C	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	0	2.5
2	MP1B	Z	-1.2	2.5
3	MP1B	Mx	-.00052	2.5
4	MP1A	X	0	.5
5	MP1A	Z	-7.131	.5
6	MP1A	Mx	.004	.5
7	MP1A	X	0	4.5
8	MP1A	Z	-7.131	4.5
9	MP1A	Mx	.004	4.5
10	MP1B	X	0	.5
11	MP1B	Z	-4.077	.5
12	MP1B	Mx	.000576	.5
13	MP1B	X	0	4.5
14	MP1B	Z	-4.077	4.5
15	MP1B	Mx	.000576	4.5
16	MP1C	X	0	.5
17	MP1C	Z	-4.077	.5
18	MP1C	Mx	-.003	.5
19	MP1C	X	0	4.5
20	MP1C	Z	-4.077	4.5
21	MP1C	Mx	-.003	4.5
22	MP1A	X	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP1A	Z	-10.571	.5
24	MP1A	Mx	-.006	.5
25	MP1A	X	0	4.5
26	MP1A	Z	-10.571	4.5
27	MP1A	Mx	-.006	4.5
28	MP1B	X	0	.5
29	MP1B	Z	-7.904	.5
30	MP1B	Mx	.006	.5
31	MP1B	X	0	4.5
32	MP1B	Z	-7.904	4.5
33	MP1B	Mx	.006	4.5
34	MP1C	X	0	.5
35	MP1C	Z	-7.904	.5
36	MP1C	Mx	-.001	.5
37	MP1C	X	0	4.5
38	MP1C	Z	-7.904	4.5
39	MP1C	Mx	-.001	4.5
40	MP2A	X	0	1.5
41	MP2A	Z	-5.132	1.5
42	MP2A	Mx	0	1.5
43	MP2A	X	0	3.5
44	MP2A	Z	-5.132	3.5
45	MP2A	Mx	0	3.5
46	MP2B	X	0	1.5
47	MP2B	Z	-2.609	1.5
48	MP2B	Mx	.001	1.5
49	MP2B	X	0	3.5
50	MP2B	Z	-2.609	3.5
51	MP2B	Mx	.001	3.5
52	MP2C	X	0	1.5
53	MP2C	Z	-2.609	1.5
54	MP2C	Mx	-.001	1.5
55	MP2C	X	0	3.5
56	MP2C	Z	-2.609	3.5
57	MP2C	Mx	-.001	3.5
58	MP4A	X	0	1.5
59	MP4A	Z	-6.18	1.5
60	MP4A	Mx	0	1.5
61	MP4A	X	0	3.5
62	MP4A	Z	-6.18	3.5
63	MP4A	Mx	0	3.5
64	MP4B	X	0	1.5
65	MP4B	Z	-4.016	1.5
66	MP4B	Mx	.002	1.5
67	MP4B	X	0	3.5
68	MP4B	Z	-4.016	3.5
69	MP4B	Mx	.002	3.5
70	MP4C	X	0	1.5
71	MP4C	Z	-4.016	1.5
72	MP4C	Mx	-.002	1.5
73	MP4C	X	0	3.5
74	MP4C	Z	-4.016	3.5
75	MP4C	Mx	-.002	3.5
76	MP1A	X	0	1
77	MP1A	Z	-4.059	1
78	MP1A	Mx	0	1
79	MP1B	X	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
80	MP1B	Z	-3.057	1
81	MP1B	Mx	-.001	1
82	MP1C	X	0	1
83	MP1C	Z	-3.057	1
84	MP1C	Mx	.001	1
85	MP2A	X	0	1
86	MP2A	Z	-4.059	1
87	MP2A	Mx	0	1
88	MP2B	X	0	1
89	MP2B	Z	-2.684	1
90	MP2B	Mx	-.001	1
91	MP2C	X	0	1
92	MP2C	Z	-2.684	1
93	MP2C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	.381	2.5
2	MP1B	Z	-.66	2.5
3	MP1B	Mx	-.000381	2.5
4	MP1A	X	3.056	.5
5	MP1A	Z	-5.294	.5
6	MP1A	Mx	.002	.5
7	MP1A	X	3.056	4.5
8	MP1A	Z	-5.294	4.5
9	MP1A	Mx	.002	4.5
10	MP1B	X	1.53	.5
11	MP1B	Z	-2.65	.5
12	MP1B	Mx	.002	.5
13	MP1B	X	1.53	4.5
14	MP1B	Z	-2.65	4.5
15	MP1B	Mx	.002	4.5
16	MP1C	X	3.056	.5
17	MP1C	Z	-5.294	.5
18	MP1C	Mx	-.005	.5
19	MP1C	X	3.056	4.5
20	MP1C	Z	-5.294	4.5
21	MP1C	Mx	-.005	4.5
22	MP1A	X	4.841	.5
23	MP1A	Z	-8.385	.5
24	MP1A	Mx	-.007	.5
25	MP1A	X	4.841	4.5
26	MP1A	Z	-8.385	4.5
27	MP1A	Mx	-.007	4.5
28	MP1B	X	3.507	.5
29	MP1B	Z	-6.075	.5
30	MP1B	Mx	.004	.5
31	MP1B	X	3.507	4.5
32	MP1B	Z	-6.075	4.5
33	MP1B	Mx	.004	4.5
34	MP1C	X	4.841	.5
35	MP1C	Z	-8.385	.5
36	MP1C	Mx	.002	.5
37	MP1C	X	4.841	4.5
38	MP1C	Z	-8.385	4.5
39	MP1C	Mx	.002	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP2A	X	2.146	1.5
41	MP2A	Z	-3.716	1.5
42	MP2A	Mx	-.001	1.5
43	MP2A	X	2.146	3.5
44	MP2A	Z	-3.716	3.5
45	MP2A	Mx	-.001	3.5
46	MP2B	X	.884	1.5
47	MP2B	Z	-1.531	1.5
48	MP2B	Mx	.000884	1.5
49	MP2B	X	.884	3.5
50	MP2B	Z	-1.531	3.5
51	MP2B	Mx	.000884	3.5
52	MP2C	X	2.146	1.5
53	MP2C	Z	-3.716	1.5
54	MP2C	Mx	-.001	1.5
55	MP2C	X	2.146	3.5
56	MP2C	Z	-3.716	3.5
57	MP2C	Mx	-.001	3.5
58	MP4A	X	2.729	1.5
59	MP4A	Z	-4.727	1.5
60	MP4A	Mx	-.001	1.5
61	MP4A	X	2.729	3.5
62	MP4A	Z	-4.727	3.5
63	MP4A	Mx	-.001	3.5
64	MP4B	X	1.648	1.5
65	MP4B	Z	-2.854	1.5
66	MP4B	Mx	.002	1.5
67	MP4B	X	1.648	3.5
68	MP4B	Z	-2.854	3.5
69	MP4B	Mx	.002	3.5
70	MP4C	X	2.729	1.5
71	MP4C	Z	-4.727	1.5
72	MP4C	Mx	-.001	1.5
73	MP4C	X	2.729	3.5
74	MP4C	Z	-4.727	3.5
75	MP4C	Mx	-.001	3.5
76	MP1A	X	1.862	1
77	MP1A	Z	-3.226	1
78	MP1A	Mx	.000931	1
79	MP1B	X	1.362	1
80	MP1B	Z	-2.358	1
81	MP1B	Mx	-.001	1
82	MP1C	X	1.862	1
83	MP1C	Z	-3.226	1
84	MP1C	Mx	.000931	1
85	MP2A	X	1.8	1
86	MP2A	Z	-3.118	1
87	MP2A	Mx	.0009	1
88	MP2B	X	1.113	1
89	MP2B	Z	-1.928	1
90	MP2B	Mx	-.001	1
91	MP2C	X	1.8	1
92	MP2C	Z	-3.118	1
93	MP2C	Mx	.0009	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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**Member Point Loads (BLC 29 : Antenna Wm (60 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	1.039	2.5
2	MP1B	Z	-.6	2.5
3	MP1B	Mx	-.00052	2.5
4	MP1A	X	3.531	.5
5	MP1A	Z	-2.039	.5
6	MP1A	Mx	-.000576	.5
7	MP1A	X	3.531	4.5
8	MP1A	Z	-2.039	4.5
9	MP1A	Mx	-.000576	4.5
10	MP1B	X	3.531	.5
11	MP1B	Z	-2.039	.5
12	MP1B	Mx	.003	.5
13	MP1B	X	3.531	4.5
14	MP1B	Z	-2.039	4.5
15	MP1B	Mx	.003	4.5
16	MP1C	X	6.175	.5
17	MP1C	Z	-3.565	.5
18	MP1C	Mx	-.004	.5
19	MP1C	X	6.175	4.5
20	MP1C	Z	-3.565	4.5
21	MP1C	Mx	-.004	4.5
22	MP1A	X	6.845	.5
23	MP1A	Z	-3.952	.5
24	MP1A	Mx	-.006	.5
25	MP1A	X	6.845	4.5
26	MP1A	Z	-3.952	4.5
27	MP1A	Mx	-.006	4.5
28	MP1B	X	6.845	.5
29	MP1B	Z	-3.952	.5
30	MP1B	Mx	.001	.5
31	MP1B	X	6.845	4.5
32	MP1B	Z	-3.952	4.5
33	MP1B	Mx	.001	4.5
34	MP1C	X	9.155	.5
35	MP1C	Z	-5.286	.5
36	MP1C	Mx	.006	.5
37	MP1C	X	9.155	4.5
38	MP1C	Z	-5.286	4.5
39	MP1C	Mx	.006	4.5
40	MP2A	X	2.259	1.5
41	MP2A	Z	-1.304	1.5
42	MP2A	Mx	-.001	1.5
43	MP2A	X	2.259	3.5
44	MP2A	Z	-1.304	3.5
45	MP2A	Mx	-.001	3.5
46	MP2B	X	2.259	1.5
47	MP2B	Z	-1.304	1.5
48	MP2B	Mx	.001	1.5
49	MP2B	X	2.259	3.5
50	MP2B	Z	-1.304	3.5
51	MP2B	Mx	.001	3.5
52	MP2C	X	4.445	1.5
53	MP2C	Z	-2.566	1.5
54	MP2C	Mx	0	1.5
55	MP2C	X	4.445	3.5
56	MP2C	Z	-2.566	3.5
57	MP2C	Mx	0	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
58	MP4A	X	3.478	1.5
59	MP4A	Z	-2.008	1.5
60	MP4A	Mx	-.002	1.5
61	MP4A	X	3.478	3.5
62	MP4A	Z	-2.008	3.5
63	MP4A	Mx	-.002	3.5
64	MP4B	X	3.478	1.5
65	MP4B	Z	-2.008	1.5
66	MP4B	Mx	.002	1.5
67	MP4B	X	3.478	3.5
68	MP4B	Z	-2.008	3.5
69	MP4B	Mx	.002	3.5
70	MP4C	X	5.352	1.5
71	MP4C	Z	-3.09	1.5
72	MP4C	Mx	0	1.5
73	MP4C	X	5.352	3.5
74	MP4C	Z	-3.09	3.5
75	MP4C	Mx	0	3.5
76	MP1A	X	2.648	1
77	MP1A	Z	-1.529	1
78	MP1A	Mx	.001	1
79	MP1B	X	2.648	1
80	MP1B	Z	-1.529	1
81	MP1B	Mx	-.001	1
82	MP1C	X	3.515	1
83	MP1C	Z	-2.029	1
84	MP1C	Mx	0	1
85	MP2A	X	2.324	1
86	MP2A	Z	-1.342	1
87	MP2A	Mx	.001	1
88	MP2B	X	2.324	1
89	MP2B	Z	-1.342	1
90	MP2B	Mx	-.001	1
91	MP2C	X	3.515	1
92	MP2C	Z	-2.029	1
93	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP1B	X	2.076	2.5
2	MP1B	Z	0	2.5
3	MP1B	Mx	-.000519	2.5
4	MP1A	X	3.06	.5
5	MP1A	Z	0	.5
6	MP1A	Mx	-.002	.5
7	MP1A	X	3.06	4.5
8	MP1A	Z	0	4.5
9	MP1A	Mx	-.002	4.5
10	MP1B	X	6.113	.5
11	MP1B	Z	0	.5
12	MP1B	Mx	.005	.5
13	MP1B	X	6.113	4.5
14	MP1B	Z	0	4.5
15	MP1B	Mx	.005	4.5
16	MP1C	X	6.113	.5
17	MP1C	Z	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP1C	Mx	-.002	.5
19	MP1C	X	6.113	4.5
20	MP1C	Z	0	4.5
21	MP1C	Mx	-.002	4.5
22	MP1A	X	7.015	.5
23	MP1A	Z	0	.5
24	MP1A	Mx	-.004	.5
25	MP1A	X	7.015	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	-.004	4.5
28	MP1B	X	9.682	.5
29	MP1B	Z	0	.5
30	MP1B	Mx	-.002	.5
31	MP1B	X	9.682	4.5
32	MP1B	Z	0	4.5
33	MP1B	Mx	-.002	4.5
34	MP1C	X	9.682	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	.007	.5
37	MP1C	X	9.682	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	.007	4.5
40	MP2A	X	1.767	1.5
41	MP2A	Z	0	1.5
42	MP2A	Mx	-.000884	1.5
43	MP2A	X	1.767	3.5
44	MP2A	Z	0	3.5
45	MP2A	Mx	-.000884	3.5
46	MP2B	X	4.291	1.5
47	MP2B	Z	0	1.5
48	MP2B	Mx	.001	1.5
49	MP2B	X	4.291	3.5
50	MP2B	Z	0	3.5
51	MP2B	Mx	.001	3.5
52	MP2C	X	4.291	1.5
53	MP2C	Z	0	1.5
54	MP2C	Mx	.001	1.5
55	MP2C	X	4.291	3.5
56	MP2C	Z	0	3.5
57	MP2C	Mx	.001	3.5
58	MP4A	X	3.295	1.5
59	MP4A	Z	0	1.5
60	MP4A	Mx	-.002	1.5
61	MP4A	X	3.295	3.5
62	MP4A	Z	0	3.5
63	MP4A	Mx	-.002	3.5
64	MP4B	X	5.459	1.5
65	MP4B	Z	0	1.5
66	MP4B	Mx	.001	1.5
67	MP4B	X	5.459	3.5
68	MP4B	Z	0	3.5
69	MP4B	Mx	.001	3.5
70	MP4C	X	5.459	1.5
71	MP4C	Z	0	1.5
72	MP4C	Mx	.001	1.5
73	MP4C	X	5.459	3.5
74	MP4C	Z	0	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP4C	Mx	.001	3.5
76	MP1A	X	2.723	1
77	MP1A	Z	0	1
78	MP1A	Mx	.001	1
79	MP1B	X	3.725	1
80	MP1B	Z	0	1
81	MP1B	Mx	-.000931	1
82	MP1C	X	3.725	1
83	MP1C	Z	0	1
84	MP1C	Mx	-.000931	1
85	MP2A	X	2.226	1
86	MP2A	Z	0	1
87	MP2A	Mx	.001	1
88	MP2B	X	3.6	1
89	MP2B	Z	0	1
90	MP2B	Mx	-.0009	1
91	MP2C	X	3.6	1
92	MP2C	Z	0	1
93	MP2C	Mx	-.0009	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1B	X	2.177	2.5
2	MP1B	Z	1.257	2.5
3	MP1B	Mx	0	2.5
4	MP1A	X	3.531	.5
5	MP1A	Z	2.039	.5
6	MP1A	Mx	-.003	.5
7	MP1A	X	3.531	4.5
8	MP1A	Z	2.039	4.5
9	MP1A	Mx	-.003	4.5
10	MP1B	X	6.175	.5
11	MP1B	Z	3.565	.5
12	MP1B	Mx	.004	.5
13	MP1B	X	6.175	4.5
14	MP1B	Z	3.565	4.5
15	MP1B	Mx	.004	4.5
16	MP1C	X	3.531	.5
17	MP1C	Z	2.039	.5
18	MP1C	Mx	.000577	.5
19	MP1C	X	3.531	4.5
20	MP1C	Z	2.039	4.5
21	MP1C	Mx	.000577	4.5
22	MP1A	X	6.845	.5
23	MP1A	Z	3.952	.5
24	MP1A	Mx	-.001	.5
25	MP1A	X	6.845	4.5
26	MP1A	Z	3.952	4.5
27	MP1A	Mx	-.001	4.5
28	MP1B	X	9.155	.5
29	MP1B	Z	5.286	.5
30	MP1B	Mx	-.006	.5
31	MP1B	X	9.155	4.5
32	MP1B	Z	5.286	4.5
33	MP1B	Mx	-.006	4.5
34	MP1C	X	6.845	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
35	MP1C	Z	3.952	.5
36	MP1C	Mx	.006	.5
37	MP1C	X	6.845	4.5
38	MP1C	Z	3.952	4.5
39	MP1C	Mx	.006	4.5
40	MP2A	X	2.259	1.5
41	MP2A	Z	1.304	1.5
42	MP2A	Mx	-.001	1.5
43	MP2A	X	2.259	3.5
44	MP2A	Z	1.304	3.5
45	MP2A	Mx	-.001	3.5
46	MP2B	X	4.445	1.5
47	MP2B	Z	2.566	1.5
48	MP2B	Mx	0	1.5
49	MP2B	X	4.445	3.5
50	MP2B	Z	2.566	3.5
51	MP2B	Mx	0	3.5
52	MP2C	X	2.259	1.5
53	MP2C	Z	1.304	1.5
54	MP2C	Mx	.001	1.5
55	MP2C	X	2.259	3.5
56	MP2C	Z	1.304	3.5
57	MP2C	Mx	.001	3.5
58	MP4A	X	3.478	1.5
59	MP4A	Z	2.008	1.5
60	MP4A	Mx	-.002	1.5
61	MP4A	X	3.478	3.5
62	MP4A	Z	2.008	3.5
63	MP4A	Mx	-.002	3.5
64	MP4B	X	5.352	1.5
65	MP4B	Z	3.09	1.5
66	MP4B	Mx	0	1.5
67	MP4B	X	5.352	3.5
68	MP4B	Z	3.09	3.5
69	MP4B	Mx	0	3.5
70	MP4C	X	3.478	1.5
71	MP4C	Z	2.008	1.5
72	MP4C	Mx	.002	1.5
73	MP4C	X	3.478	3.5
74	MP4C	Z	2.008	3.5
75	MP4C	Mx	.002	3.5
76	MP1A	X	2.648	1
77	MP1A	Z	1.529	1
78	MP1A	Mx	.001	1
79	MP1B	X	3.515	1
80	MP1B	Z	2.029	1
81	MP1B	Mx	0	1
82	MP1C	X	2.648	1
83	MP1C	Z	1.529	1
84	MP1C	Mx	-.001	1
85	MP2A	X	2.324	1
86	MP2A	Z	1.342	1
87	MP2A	Mx	.001	1
88	MP2B	X	3.515	1
89	MP2B	Z	2.029	1
90	MP2B	Mx	0	1
91	MP2C	X	2.324	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
92	MP2C	Z	1.342	1
93	MP2C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	1.038	2.5
2	MP1B	Z	1.798	2.5
3	MP1B	Mx	.000519	2.5
4	MP1A	X	3.056	.5
5	MP1A	Z	5.294	.5
6	MP1A	Mx	-.005	.5
7	MP1A	X	3.056	4.5
8	MP1A	Z	5.294	4.5
9	MP1A	Mx	-.005	4.5
10	MP1B	X	3.056	.5
11	MP1B	Z	5.294	.5
12	MP1B	Mx	.002	.5
13	MP1B	X	3.056	4.5
14	MP1B	Z	5.294	4.5
15	MP1B	Mx	.002	4.5
16	MP1C	X	1.53	.5
17	MP1C	Z	2.65	.5
18	MP1C	Mx	.002	.5
19	MP1C	X	1.53	4.5
20	MP1C	Z	2.65	4.5
21	MP1C	Mx	.002	4.5
22	MP1A	X	4.841	.5
23	MP1A	Z	8.385	.5
24	MP1A	Mx	.002	.5
25	MP1A	X	4.841	4.5
26	MP1A	Z	8.385	4.5
27	MP1A	Mx	.002	4.5
28	MP1B	X	4.841	.5
29	MP1B	Z	8.385	.5
30	MP1B	Mx	-.007	.5
31	MP1B	X	4.841	4.5
32	MP1B	Z	8.385	4.5
33	MP1B	Mx	-.007	4.5
34	MP1C	X	3.507	.5
35	MP1C	Z	6.075	.5
36	MP1C	Mx	.004	.5
37	MP1C	X	3.507	4.5
38	MP1C	Z	6.075	4.5
39	MP1C	Mx	.004	4.5
40	MP2A	X	2.146	1.5
41	MP2A	Z	3.716	1.5
42	MP2A	Mx	-.001	1.5
43	MP2A	X	2.146	3.5
44	MP2A	Z	3.716	3.5
45	MP2A	Mx	-.001	3.5
46	MP2B	X	2.146	1.5
47	MP2B	Z	3.716	1.5
48	MP2B	Mx	-.001	1.5
49	MP2B	X	2.146	3.5
50	MP2B	Z	3.716	3.5
51	MP2B	Mx	-.001	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
52	MP2C	X	.884	1.5
53	MP2C	Z	1.531	1.5
54	MP2C	Mx	.000884	1.5
55	MP2C	X	.884	3.5
56	MP2C	Z	1.531	3.5
57	MP2C	Mx	.000884	3.5
58	MP4A	X	2.729	1.5
59	MP4A	Z	4.727	1.5
60	MP4A	Mx	-.001	1.5
61	MP4A	X	2.729	3.5
62	MP4A	Z	4.727	3.5
63	MP4A	Mx	-.001	3.5
64	MP4B	X	2.729	1.5
65	MP4B	Z	4.727	1.5
66	MP4B	Mx	-.001	1.5
67	MP4B	X	2.729	3.5
68	MP4B	Z	4.727	3.5
69	MP4B	Mx	-.001	3.5
70	MP4C	X	1.648	1.5
71	MP4C	Z	2.854	1.5
72	MP4C	Mx	.002	1.5
73	MP4C	X	1.648	3.5
74	MP4C	Z	2.854	3.5
75	MP4C	Mx	.002	3.5
76	MP1A	X	1.862	1
77	MP1A	Z	3.226	1
78	MP1A	Mx	.000931	1
79	MP1B	X	1.862	1
80	MP1B	Z	3.226	1
81	MP1B	Mx	.000931	1
82	MP1C	X	1.362	1
83	MP1C	Z	2.358	1
84	MP1C	Mx	-.001	1
85	MP2A	X	1.8	1
86	MP2A	Z	3.118	1
87	MP2A	Mx	.0009	1
88	MP2B	X	1.8	1
89	MP2B	Z	3.118	1
90	MP2B	Mx	.0009	1
91	MP2C	X	1.113	1
92	MP2C	Z	1.928	1
93	MP2C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	0	2.5
2	MP1B	Z	1.2	2.5
3	MP1B	Mx	.00052	2.5
4	MP1A	X	0	.5
5	MP1A	Z	7.131	.5
6	MP1A	Mx	-.004	.5
7	MP1A	X	0	4.5
8	MP1A	Z	7.131	4.5
9	MP1A	Mx	-.004	4.5
10	MP1B	X	0	.5
11	MP1B	Z	4.077	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP1B	Mx	-.000576	.5
13	MP1B	X	0	4.5
14	MP1B	Z	4.077	4.5
15	MP1B	Mx	-.000576	4.5
16	MP1C	X	0	.5
17	MP1C	Z	4.077	.5
18	MP1C	Mx	.003	.5
19	MP1C	X	0	4.5
20	MP1C	Z	4.077	4.5
21	MP1C	Mx	.003	4.5
22	MP1A	X	0	.5
23	MP1A	Z	10.571	.5
24	MP1A	Mx	.006	.5
25	MP1A	X	0	4.5
26	MP1A	Z	10.571	4.5
27	MP1A	Mx	.006	4.5
28	MP1B	X	0	.5
29	MP1B	Z	7.904	.5
30	MP1B	Mx	-.006	.5
31	MP1B	X	0	4.5
32	MP1B	Z	7.904	4.5
33	MP1B	Mx	-.006	4.5
34	MP1C	X	0	.5
35	MP1C	Z	7.904	.5
36	MP1C	Mx	.001	.5
37	MP1C	X	0	4.5
38	MP1C	Z	7.904	4.5
39	MP1C	Mx	.001	4.5
40	MP2A	X	0	1.5
41	MP2A	Z	5.132	1.5
42	MP2A	Mx	0	1.5
43	MP2A	X	0	3.5
44	MP2A	Z	5.132	3.5
45	MP2A	Mx	0	3.5
46	MP2B	X	0	1.5
47	MP2B	Z	2.609	1.5
48	MP2B	Mx	-.001	1.5
49	MP2B	X	0	3.5
50	MP2B	Z	2.609	3.5
51	MP2B	Mx	-.001	3.5
52	MP2C	X	0	1.5
53	MP2C	Z	2.609	1.5
54	MP2C	Mx	.001	1.5
55	MP2C	X	0	3.5
56	MP2C	Z	2.609	3.5
57	MP2C	Mx	.001	3.5
58	MP4A	X	0	1.5
59	MP4A	Z	6.18	1.5
60	MP4A	Mx	0	1.5
61	MP4A	X	0	3.5
62	MP4A	Z	6.18	3.5
63	MP4A	Mx	0	3.5
64	MP4B	X	0	1.5
65	MP4B	Z	4.016	1.5
66	MP4B	Mx	-.002	1.5
67	MP4B	X	0	3.5
68	MP4B	Z	4.016	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP4B	Mx	-.002	3.5
70	MP4C	X	0	1.5
71	MP4C	Z	4.016	1.5
72	MP4C	Mx	.002	1.5
73	MP4C	X	0	3.5
74	MP4C	Z	4.016	3.5
75	MP4C	Mx	.002	3.5
76	MP1A	X	0	1
77	MP1A	Z	4.059	1
78	MP1A	Mx	0	1
79	MP1B	X	0	1
80	MP1B	Z	3.057	1
81	MP1B	Mx	.001	1
82	MP1C	X	0	1
83	MP1C	Z	3.057	1
84	MP1C	Mx	-.001	1
85	MP2A	X	0	1
86	MP2A	Z	4.059	1
87	MP2A	Mx	0	1
88	MP2B	X	0	1
89	MP2B	Z	2.684	1
90	MP2B	Mx	.001	1
91	MP2C	X	0	1
92	MP2C	Z	2.684	1
93	MP2C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	-.381	2.5
2	MP1B	Z	.66	2.5
3	MP1B	Mx	.000381	2.5
4	MP1A	X	-3.056	.5
5	MP1A	Z	5.294	.5
6	MP1A	Mx	-.002	.5
7	MP1A	X	-3.056	4.5
8	MP1A	Z	5.294	4.5
9	MP1A	Mx	-.002	4.5
10	MP1B	X	-1.53	.5
11	MP1B	Z	2.65	.5
12	MP1B	Mx	-.002	.5
13	MP1B	X	-1.53	4.5
14	MP1B	Z	2.65	4.5
15	MP1B	Mx	-.002	4.5
16	MP1C	X	-3.056	.5
17	MP1C	Z	5.294	.5
18	MP1C	Mx	.005	.5
19	MP1C	X	-3.056	4.5
20	MP1C	Z	5.294	4.5
21	MP1C	Mx	.005	4.5
22	MP1A	X	-4.841	.5
23	MP1A	Z	8.385	.5
24	MP1A	Mx	.007	.5
25	MP1A	X	-4.841	4.5
26	MP1A	Z	8.385	4.5
27	MP1A	Mx	.007	4.5
28	MP1B	X	-3.507	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP1B	Z	6.075	.5
30	MP1B	Mx	-.004	.5
31	MP1B	X	-3.507	4.5
32	MP1B	Z	6.075	4.5
33	MP1B	Mx	-.004	4.5
34	MP1C	X	-4.841	.5
35	MP1C	Z	8.385	.5
36	MP1C	Mx	-.002	.5
37	MP1C	X	-4.841	4.5
38	MP1C	Z	8.385	4.5
39	MP1C	Mx	-.002	4.5
40	MP2A	X	-2.146	1.5
41	MP2A	Z	3.716	1.5
42	MP2A	Mx	.001	1.5
43	MP2A	X	-2.146	3.5
44	MP2A	Z	3.716	3.5
45	MP2A	Mx	.001	3.5
46	MP2B	X	-.884	1.5
47	MP2B	Z	1.531	1.5
48	MP2B	Mx	-.000884	1.5
49	MP2B	X	-.884	3.5
50	MP2B	Z	1.531	3.5
51	MP2B	Mx	-.000884	3.5
52	MP2C	X	-2.146	1.5
53	MP2C	Z	3.716	1.5
54	MP2C	Mx	.001	1.5
55	MP2C	X	-2.146	3.5
56	MP2C	Z	3.716	3.5
57	MP2C	Mx	.001	3.5
58	MP4A	X	-2.729	1.5
59	MP4A	Z	4.727	1.5
60	MP4A	Mx	.001	1.5
61	MP4A	X	-2.729	3.5
62	MP4A	Z	4.727	3.5
63	MP4A	Mx	.001	3.5
64	MP4B	X	-1.648	1.5
65	MP4B	Z	2.854	1.5
66	MP4B	Mx	-.002	1.5
67	MP4B	X	-1.648	3.5
68	MP4B	Z	2.854	3.5
69	MP4B	Mx	-.002	3.5
70	MP4C	X	-2.729	1.5
71	MP4C	Z	4.727	1.5
72	MP4C	Mx	.001	1.5
73	MP4C	X	-2.729	3.5
74	MP4C	Z	4.727	3.5
75	MP4C	Mx	.001	3.5
76	MP1A	X	-1.862	1
77	MP1A	Z	3.226	1
78	MP1A	Mx	-.000931	1
79	MP1B	X	-1.362	1
80	MP1B	Z	2.358	1
81	MP1B	Mx	.001	1
82	MP1C	X	-1.862	1
83	MP1C	Z	3.226	1
84	MP1C	Mx	-.000931	1
85	MP2A	X	-1.8	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP2A	Z	3.118	1
87	MP2A	Mx	-0.0009	1
88	MP2B	X	-1.113	1
89	MP2B	Z	1.928	1
90	MP2B	Mx	.001	1
91	MP2C	X	-1.8	1
92	MP2C	Z	3.118	1
93	MP2C	Mx	-0.0009	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	-1.039	2.5
2	MP1B	Z	.6	2.5
3	MP1B	Mx	.00052	2.5
4	MP1A	X	-3.531	.5
5	MP1A	Z	2.039	.5
6	MP1A	Mx	.000576	.5
7	MP1A	X	-3.531	4.5
8	MP1A	Z	2.039	4.5
9	MP1A	Mx	.000576	4.5
10	MP1B	X	-3.531	.5
11	MP1B	Z	2.039	.5
12	MP1B	Mx	-.003	.5
13	MP1B	X	-3.531	4.5
14	MP1B	Z	2.039	4.5
15	MP1B	Mx	-.003	4.5
16	MP1C	X	-6.175	.5
17	MP1C	Z	3.565	.5
18	MP1C	Mx	.004	.5
19	MP1C	X	-6.175	4.5
20	MP1C	Z	3.565	4.5
21	MP1C	Mx	.004	4.5
22	MP1A	X	-6.845	.5
23	MP1A	Z	3.952	.5
24	MP1A	Mx	.006	.5
25	MP1A	X	-6.845	4.5
26	MP1A	Z	3.952	4.5
27	MP1A	Mx	.006	4.5
28	MP1B	X	-6.845	.5
29	MP1B	Z	3.952	.5
30	MP1B	Mx	-.001	.5
31	MP1B	X	-6.845	4.5
32	MP1B	Z	3.952	4.5
33	MP1B	Mx	-.001	4.5
34	MP1C	X	-9.155	.5
35	MP1C	Z	5.286	.5
36	MP1C	Mx	-.006	.5
37	MP1C	X	-9.155	4.5
38	MP1C	Z	5.286	4.5
39	MP1C	Mx	-.006	4.5
40	MP2A	X	-2.259	1.5
41	MP2A	Z	1.304	1.5
42	MP2A	Mx	.001	1.5
43	MP2A	X	-2.259	3.5
44	MP2A	Z	1.304	3.5
45	MP2A	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP2B	X	-2.259	1.5
47	MP2B	Z	1.304	1.5
48	MP2B	Mx	-.001	1.5
49	MP2B	X	-2.259	3.5
50	MP2B	Z	1.304	3.5
51	MP2B	Mx	-.001	3.5
52	MP2C	X	-4.445	1.5
53	MP2C	Z	2.566	1.5
54	MP2C	Mx	0	1.5
55	MP2C	X	-4.445	3.5
56	MP2C	Z	2.566	3.5
57	MP2C	Mx	0	3.5
58	MP4A	X	-3.478	1.5
59	MP4A	Z	2.008	1.5
60	MP4A	Mx	.002	1.5
61	MP4A	X	-3.478	3.5
62	MP4A	Z	2.008	3.5
63	MP4A	Mx	.002	3.5
64	MP4B	X	-3.478	1.5
65	MP4B	Z	2.008	1.5
66	MP4B	Mx	-.002	1.5
67	MP4B	X	-3.478	3.5
68	MP4B	Z	2.008	3.5
69	MP4B	Mx	-.002	3.5
70	MP4C	X	-5.352	1.5
71	MP4C	Z	3.09	1.5
72	MP4C	Mx	0	1.5
73	MP4C	X	-5.352	3.5
74	MP4C	Z	3.09	3.5
75	MP4C	Mx	0	3.5
76	MP1A	X	-2.648	1
77	MP1A	Z	1.529	1
78	MP1A	Mx	-.001	1
79	MP1B	X	-2.648	1
80	MP1B	Z	1.529	1
81	MP1B	Mx	.001	1
82	MP1C	X	-3.515	1
83	MP1C	Z	2.029	1
84	MP1C	Mx	0	1
85	MP2A	X	-2.324	1
86	MP2A	Z	1.342	1
87	MP2A	Mx	-.001	1
88	MP2B	X	-2.324	1
89	MP2B	Z	1.342	1
90	MP2B	Mx	.001	1
91	MP2C	X	-3.515	1
92	MP2C	Z	2.029	1
93	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	-2.076	2.5
2	MP1B	Z	0	2.5
3	MP1B	Mx	.000519	2.5
4	MP1A	X	-3.06	.5
5	MP1A	Z	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP1A	Mx	.002	.5
7	MP1A	X	-3.06	4.5
8	MP1A	Z	0	4.5
9	MP1A	Mx	.002	4.5
10	MP1B	X	-6.113	.5
11	MP1B	Z	0	.5
12	MP1B	Mx	-.005	.5
13	MP1B	X	-6.113	4.5
14	MP1B	Z	0	4.5
15	MP1B	Mx	-.005	4.5
16	MP1C	X	-6.113	.5
17	MP1C	Z	0	.5
18	MP1C	Mx	.002	.5
19	MP1C	X	-6.113	4.5
20	MP1C	Z	0	4.5
21	MP1C	Mx	.002	4.5
22	MP1A	X	-7.015	.5
23	MP1A	Z	0	.5
24	MP1A	Mx	.004	.5
25	MP1A	X	-7.015	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	.004	4.5
28	MP1B	X	-9.682	.5
29	MP1B	Z	0	.5
30	MP1B	Mx	.002	.5
31	MP1B	X	-9.682	4.5
32	MP1B	Z	0	4.5
33	MP1B	Mx	.002	4.5
34	MP1C	X	-9.682	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	-.007	.5
37	MP1C	X	-9.682	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	-.007	4.5
40	MP2A	X	-1.767	1.5
41	MP2A	Z	0	1.5
42	MP2A	Mx	.000884	1.5
43	MP2A	X	-1.767	3.5
44	MP2A	Z	0	3.5
45	MP2A	Mx	.000884	3.5
46	MP2B	X	-4.291	1.5
47	MP2B	Z	0	1.5
48	MP2B	Mx	-.001	1.5
49	MP2B	X	-4.291	3.5
50	MP2B	Z	0	3.5
51	MP2B	Mx	-.001	3.5
52	MP2C	X	-4.291	1.5
53	MP2C	Z	0	1.5
54	MP2C	Mx	-.001	1.5
55	MP2C	X	-4.291	3.5
56	MP2C	Z	0	3.5
57	MP2C	Mx	-.001	3.5
58	MP4A	X	-3.295	1.5
59	MP4A	Z	0	1.5
60	MP4A	Mx	.002	1.5
61	MP4A	X	-3.295	3.5
62	MP4A	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP4A	Mx	.002	3.5
64	MP4B	X	-5.459	1.5
65	MP4B	Z	0	1.5
66	MP4B	Mx	-.001	1.5
67	MP4B	X	-5.459	3.5
68	MP4B	Z	0	3.5
69	MP4B	Mx	-.001	3.5
70	MP4C	X	-5.459	1.5
71	MP4C	Z	0	1.5
72	MP4C	Mx	-.001	1.5
73	MP4C	X	-5.459	3.5
74	MP4C	Z	0	3.5
75	MP4C	Mx	-.001	3.5
76	MP1A	X	-2.723	1
77	MP1A	Z	0	1
78	MP1A	Mx	-.001	1
79	MP1B	X	-3.725	1
80	MP1B	Z	0	1
81	MP1B	Mx	.000931	1
82	MP1C	X	-3.725	1
83	MP1C	Z	0	1
84	MP1C	Mx	.000931	1
85	MP2A	X	-2.226	1
86	MP2A	Z	0	1
87	MP2A	Mx	-.001	1
88	MP2B	X	-3.6	1
89	MP2B	Z	0	1
90	MP2B	Mx	.0009	1
91	MP2C	X	-3.6	1
92	MP2C	Z	0	1
93	MP2C	Mx	.0009	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	-2.177	2.5
2	MP1B	Z	-1.257	2.5
3	MP1B	Mx	0	2.5
4	MP1A	X	-3.531	.5
5	MP1A	Z	-2.039	.5
6	MP1A	Mx	.003	.5
7	MP1A	X	-3.531	4.5
8	MP1A	Z	-2.039	4.5
9	MP1A	Mx	.003	4.5
10	MP1B	X	-6.175	.5
11	MP1B	Z	-3.565	.5
12	MP1B	Mx	-.004	.5
13	MP1B	X	-6.175	4.5
14	MP1B	Z	-3.565	4.5
15	MP1B	Mx	-.004	4.5
16	MP1C	X	-3.531	.5
17	MP1C	Z	-2.039	.5
18	MP1C	Mx	-.000577	.5
19	MP1C	X	-3.531	4.5
20	MP1C	Z	-2.039	4.5
21	MP1C	Mx	-.000577	4.5
22	MP1A	X	-6.845	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP1A	Z	-3.952	.5
24	MP1A	Mx	.001	.5
25	MP1A	X	-6.845	4.5
26	MP1A	Z	-3.952	4.5
27	MP1A	Mx	.001	4.5
28	MP1B	X	-9.155	.5
29	MP1B	Z	-5.286	.5
30	MP1B	Mx	.006	.5
31	MP1B	X	-9.155	4.5
32	MP1B	Z	-5.286	4.5
33	MP1B	Mx	.006	4.5
34	MP1C	X	-6.845	.5
35	MP1C	Z	-3.952	.5
36	MP1C	Mx	-.006	.5
37	MP1C	X	-6.845	4.5
38	MP1C	Z	-3.952	4.5
39	MP1C	Mx	-.006	4.5
40	MP2A	X	-2.259	1.5
41	MP2A	Z	-1.304	1.5
42	MP2A	Mx	.001	1.5
43	MP2A	X	-2.259	3.5
44	MP2A	Z	-1.304	3.5
45	MP2A	Mx	.001	3.5
46	MP2B	X	-4.445	1.5
47	MP2B	Z	-2.566	1.5
48	MP2B	Mx	0	1.5
49	MP2B	X	-4.445	3.5
50	MP2B	Z	-2.566	3.5
51	MP2B	Mx	0	3.5
52	MP2C	X	-2.259	1.5
53	MP2C	Z	-1.304	1.5
54	MP2C	Mx	-.001	1.5
55	MP2C	X	-2.259	3.5
56	MP2C	Z	-1.304	3.5
57	MP2C	Mx	-.001	3.5
58	MP4A	X	-3.478	1.5
59	MP4A	Z	-2.008	1.5
60	MP4A	Mx	.002	1.5
61	MP4A	X	-3.478	3.5
62	MP4A	Z	-2.008	3.5
63	MP4A	Mx	.002	3.5
64	MP4B	X	-5.352	1.5
65	MP4B	Z	-3.09	1.5
66	MP4B	Mx	0	1.5
67	MP4B	X	-5.352	3.5
68	MP4B	Z	-3.09	3.5
69	MP4B	Mx	0	3.5
70	MP4C	X	-3.478	1.5
71	MP4C	Z	-2.008	1.5
72	MP4C	Mx	-.002	1.5
73	MP4C	X	-3.478	3.5
74	MP4C	Z	-2.008	3.5
75	MP4C	Mx	-.002	3.5
76	MP1A	X	-2.648	1
77	MP1A	Z	-1.529	1
78	MP1A	Mx	-.001	1
79	MP1B	X	-3.515	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
80	MP1B	Z	-2.029	1
81	MP1B	Mx	0	1
82	MP1C	X	-2.648	1
83	MP1C	Z	-1.529	1
84	MP1C	Mx	.001	1
85	MP2A	X	-2.324	1
86	MP2A	Z	-1.342	1
87	MP2A	Mx	-.001	1
88	MP2B	X	-3.515	1
89	MP2B	Z	-2.029	1
90	MP2B	Mx	0	1
91	MP2C	X	-2.324	1
92	MP2C	Z	-1.342	1
93	MP2C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	X	-1.038	2.5
2	MP1B	Z	-1.798	2.5
3	MP1B	Mx	-.000519	2.5
4	MP1A	X	-3.056	.5
5	MP1A	Z	-5.294	.5
6	MP1A	Mx	.005	.5
7	MP1A	X	-3.056	4.5
8	MP1A	Z	-5.294	4.5
9	MP1A	Mx	.005	4.5
10	MP1B	X	-3.056	.5
11	MP1B	Z	-5.294	.5
12	MP1B	Mx	-.002	.5
13	MP1B	X	-3.056	4.5
14	MP1B	Z	-5.294	4.5
15	MP1B	Mx	-.002	4.5
16	MP1C	X	-1.53	.5
17	MP1C	Z	-2.65	.5
18	MP1C	Mx	-.002	.5
19	MP1C	X	-1.53	4.5
20	MP1C	Z	-2.65	4.5
21	MP1C	Mx	-.002	4.5
22	MP1A	X	-4.841	.5
23	MP1A	Z	-8.385	.5
24	MP1A	Mx	-.002	.5
25	MP1A	X	-4.841	4.5
26	MP1A	Z	-8.385	4.5
27	MP1A	Mx	-.002	4.5
28	MP1B	X	-4.841	.5
29	MP1B	Z	-8.385	.5
30	MP1B	Mx	.007	.5
31	MP1B	X	-4.841	4.5
32	MP1B	Z	-8.385	4.5
33	MP1B	Mx	.007	4.5
34	MP1C	X	-3.507	.5
35	MP1C	Z	-6.075	.5
36	MP1C	Mx	-.004	.5
37	MP1C	X	-3.507	4.5
38	MP1C	Z	-6.075	4.5
39	MP1C	Mx	-.004	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP2A	X	-2.146	1.5
41	MP2A	Z	-3.716	1.5
42	MP2A	Mx	.001	1.5
43	MP2A	X	-2.146	3.5
44	MP2A	Z	-3.716	3.5
45	MP2A	Mx	.001	3.5
46	MP2B	X	-2.146	1.5
47	MP2B	Z	-3.716	1.5
48	MP2B	Mx	.001	1.5
49	MP2B	X	-2.146	3.5
50	MP2B	Z	-3.716	3.5
51	MP2B	Mx	.001	3.5
52	MP2C	X	-884	1.5
53	MP2C	Z	-1.531	1.5
54	MP2C	Mx	-.000884	1.5
55	MP2C	X	-884	3.5
56	MP2C	Z	-1.531	3.5
57	MP2C	Mx	-.000884	3.5
58	MP4A	X	-2.729	1.5
59	MP4A	Z	-4.727	1.5
60	MP4A	Mx	.001	1.5
61	MP4A	X	-2.729	3.5
62	MP4A	Z	-4.727	3.5
63	MP4A	Mx	.001	3.5
64	MP4B	X	-2.729	1.5
65	MP4B	Z	-4.727	1.5
66	MP4B	Mx	.001	1.5
67	MP4B	X	-2.729	3.5
68	MP4B	Z	-4.727	3.5
69	MP4B	Mx	.001	3.5
70	MP4C	X	-1.648	1.5
71	MP4C	Z	-2.854	1.5
72	MP4C	Mx	-.002	1.5
73	MP4C	X	-1.648	3.5
74	MP4C	Z	-2.854	3.5
75	MP4C	Mx	-.002	3.5
76	MP1A	X	-1.862	1
77	MP1A	Z	-3.226	1
78	MP1A	Mx	-.000931	1
79	MP1B	X	-1.862	1
80	MP1B	Z	-3.226	1
81	MP1B	Mx	-.000931	1
82	MP1C	X	-1.362	1
83	MP1C	Z	-2.358	1
84	MP1C	Mx	.001	1
85	MP2A	X	-1.8	1
86	MP2A	Z	-3.118	1
87	MP2A	Mx	-.0009	1
88	MP2B	X	-1.8	1
89	MP2B	Z	-3.118	1
90	MP2B	Mx	-.0009	1
91	MP2C	X	-1.113	1
92	MP2C	Z	-1.928	1
93	MP2C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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**Member Point Loads (BLC 77 : Lm1) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M76A	Y	-500	0

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

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

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

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

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

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	Y	-.397	2.5
2	MP1B	My	-9.9e-5	2.5
3	MP1B	Mz	.000172	2.5
4	MP1A	Y	-.493	.5
5	MP1A	My	-.000246	.5
6	MP1A	Mz	-.000288	.5
7	MP1A	Y	-.493	4.5
8	MP1A	My	-.000246	4.5
9	MP1A	Mz	-.000288	4.5
10	MP1B	Y	-.493	.5
11	MP1B	My	.000372	.5
12	MP1B	Mz	-7e-5	.5
13	MP1B	Y	-.493	4.5
14	MP1B	My	.000372	4.5
15	MP1B	Mz	-7e-5	4.5
16	MP1C	Y	-.493	.5
17	MP1C	My	-.000126	.5
18	MP1C	Mz	.000357	.5
19	MP1C	Y	-.493	4.5
20	MP1C	My	-.000126	4.5
21	MP1C	Mz	.000357	4.5
22	MP1A	Y	-.729	.5
23	MP1A	My	-.000364	.5
24	MP1A	Mz	.000425	.5
25	MP1A	Y	-.729	4.5
26	MP1A	My	-.000364	4.5
27	MP1A	Mz	.000425	4.5
28	MP1B	Y	-.729	.5
29	MP1B	My	-.000186	.5
30	MP1B	Mz	-.000528	.5
31	MP1B	Y	-.729	4.5
32	MP1B	My	-.000186	4.5
33	MP1B	Mz	-.000528	4.5
34	MP1C	Y	-.729	.5
35	MP1C	My	.00055	.5
36	MP1C	Mz	.000103	.5
37	MP1C	Y	-.729	4.5
38	MP1C	My	.00055	4.5
39	MP1C	Mz	.000103	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP2A	Y	-.982	1.5
41	MP2A	My	-.000491	1.5
42	MP2A	Mz	0	1.5
43	MP2A	Y	-.982	3.5
44	MP2A	My	-.000491	3.5
45	MP2A	Mz	0	3.5
46	MP2B	Y	-.982	1.5
47	MP2B	My	.000246	1.5
48	MP2B	Mz	-.000425	1.5
49	MP2B	Y	-.982	3.5
50	MP2B	My	.000246	3.5
51	MP2B	Mz	-.000425	3.5
52	MP2C	Y	-.982	1.5
53	MP2C	My	.000246	1.5
54	MP2C	Mz	.000425	1.5
55	MP2C	Y	-.982	3.5
56	MP2C	My	.000246	3.5
57	MP2C	Mz	.000425	3.5
58	MP4A	Y	-.112	1.5
59	MP4A	My	-5.6e-5	1.5
60	MP4A	Mz	0	1.5
61	MP4A	Y	-.112	3.5
62	MP4A	My	-5.6e-5	3.5
63	MP4A	Mz	0	3.5
64	MP4B	Y	-.112	1.5
65	MP4B	My	2.8e-5	1.5
66	MP4B	Mz	-4.8e-5	1.5
67	MP4B	Y	-.112	3.5
68	MP4B	My	2.8e-5	3.5
69	MP4B	Mz	-4.8e-5	3.5
70	MP4C	Y	-.112	1.5
71	MP4C	My	2.8e-5	1.5
72	MP4C	Mz	4.8e-5	1.5
73	MP4C	Y	-.112	3.5
74	MP4C	My	2.8e-5	3.5
75	MP4C	Mz	4.8e-5	3.5
76	MP1A	Y	-1.904	1
77	MP1A	My	.000952	1
78	MP1A	Mz	0	1
79	MP1B	Y	-1.904	1
80	MP1B	My	-.000476	1
81	MP1B	Mz	.000824	1
82	MP1C	Y	-1.904	1
83	MP1C	My	-.000476	1
84	MP1C	Mz	-.000824	1
85	MP2A	Y	-1.586	1
86	MP2A	My	.000793	1
87	MP2A	Mz	0	1
88	MP2B	Y	-1.586	1
89	MP2B	My	-.000396	1
90	MP2B	Mz	.000687	1
91	MP2C	Y	-1.586	1
92	MP2C	My	-.000396	1
93	MP2C	Mz	-.000687	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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**Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1B	Z	-.993	2.5
2	MP1B	Mx	-.00043	2.5
3	MP1A	Z	-1.232	.5
4	MP1A	Mx	.000719	.5
5	MP1A	Z	-1.232	4.5
6	MP1A	Mx	.000719	4.5
7	MP1B	Z	-1.232	.5
8	MP1B	Mx	.000174	.5
9	MP1B	Z	-1.232	4.5
10	MP1B	Mx	.000174	4.5
11	MP1C	Z	-1.232	.5
12	MP1C	Mx	-.000893	.5
13	MP1C	Z	-1.232	4.5
14	MP1C	Mx	-.000893	4.5
15	MP1A	Z	-1.822	.5
16	MP1A	Mx	-.001	.5
17	MP1A	Z	-1.822	4.5
18	MP1A	Mx	-.001	4.5
19	MP1B	Z	-1.822	.5
20	MP1B	Mx	.001	.5
21	MP1B	Z	-1.822	4.5
22	MP1B	Mx	.001	4.5
23	MP1C	Z	-1.822	.5
24	MP1C	Mx	-.000257	.5
25	MP1C	Z	-1.822	4.5
26	MP1C	Mx	-.000257	4.5
27	MP2A	Z	-2.456	1.5
28	MP2A	Mx	0	1.5
29	MP2A	Z	-2.456	3.5
30	MP2A	Mx	0	3.5
31	MP2B	Z	-2.456	1.5
32	MP2B	Mx	.001	1.5
33	MP2B	Z	-2.456	3.5
34	MP2B	Mx	.001	3.5
35	MP2C	Z	-2.456	1.5
36	MP2C	Mx	-.001	1.5
37	MP2C	Z	-2.456	3.5
38	MP2C	Mx	-.001	3.5
39	MP4A	Z	-.279	1.5
40	MP4A	Mx	0	1.5
41	MP4A	Z	-.279	3.5
42	MP4A	Mx	0	3.5
43	MP4B	Z	-.279	1.5
44	MP4B	Mx	.000121	1.5
45	MP4B	Z	-.279	3.5
46	MP4B	Mx	.000121	3.5
47	MP4C	Z	-.279	1.5
48	MP4C	Mx	-.000121	1.5
49	MP4C	Z	-.279	3.5
50	MP4C	Mx	-.000121	3.5
51	MP1A	Z	-4.76	1
52	MP1A	Mx	0	1
53	MP1B	Z	-4.76	1
54	MP1B	Mx	-.002	1
55	MP1C	Z	-4.76	1
56	MP1C	Mx	.002	1
57	MP2A	Z	-3.965	1





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2A	Mx	0	1
59	MP2B	Z	-3.965	1
60	MP2B	Mx	-.002	1
61	MP2C	Z	-3.965	1
62	MP2C	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1B	X	.993	2.5
2	MP1B	Mx	-.000248	2.5
3	MP1A	X	1.232	.5
4	MP1A	Mx	-.000616	.5
5	MP1A	X	1.232	4.5
6	MP1A	Mx	-.000616	4.5
7	MP1B	X	1.232	.5
8	MP1B	Mx	.000931	.5
9	MP1B	X	1.232	4.5
10	MP1B	Mx	.000931	4.5
11	MP1C	X	1.232	.5
12	MP1C	Mx	-.000314	.5
13	MP1C	X	1.232	4.5
14	MP1C	Mx	-.000314	4.5
15	MP1A	X	1.822	.5
16	MP1A	Mx	-.000911	.5
17	MP1A	X	1.822	4.5
18	MP1A	Mx	-.000911	4.5
19	MP1B	X	1.822	.5
20	MP1B	Mx	-.000465	.5
21	MP1B	X	1.822	4.5
22	MP1B	Mx	-.000465	4.5
23	MP1C	X	1.822	.5
24	MP1C	Mx	.001	.5
25	MP1C	X	1.822	4.5
26	MP1C	Mx	.001	4.5
27	MP2A	X	2.456	1.5
28	MP2A	Mx	-.001	1.5
29	MP2A	X	2.456	3.5
30	MP2A	Mx	-.001	3.5
31	MP2B	X	2.456	1.5
32	MP2B	Mx	.000614	1.5
33	MP2B	X	2.456	3.5
34	MP2B	Mx	.000614	3.5
35	MP2C	X	2.456	1.5
36	MP2C	Mx	.000614	1.5
37	MP2C	X	2.456	3.5
38	MP2C	Mx	.000614	3.5
39	MP4A	X	.279	1.5
40	MP4A	Mx	-.00014	1.5
41	MP4A	X	.279	3.5
42	MP4A	Mx	-.00014	3.5
43	MP4B	X	.279	1.5
44	MP4B	Mx	7e-5	1.5
45	MP4B	X	.279	3.5
46	MP4B	Mx	7e-5	3.5
47	MP4C	X	.279	1.5
48	MP4C	Mx	7e-5	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP4C	X	.279	3.5
50	MP4C	Mx	7e-5	3.5
51	MP1A	X	4.76	1
52	MP1A	Mx	.002	1
53	MP1B	X	4.76	1
54	MP1B	Mx	-.001	1
55	MP1C	X	4.76	1
56	MP1C	Mx	-.001	1
57	MP2A	X	3.965	1
58	MP2A	Mx	.002	1
59	MP2B	X	3.965	1
60	MP2B	Mx	-.000991	1
61	MP2C	X	3.965	1
62	MP2C	Mx	-.000991	1

**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	FACE	Y	-6.566	-6.566	0	%100
2	M4	Y	-9.609	-9.609	0	%100
3	M10	Y	-9.609	-9.609	0	%100
4	MP1A	Y	-4.979	-4.979	0	%100
5	M43	Y	-9.609	-9.609	0	%100
6	M46	Y	-10.122	-10.122	0	%100
7	M51B	Y	-5.619	-5.619	0	%100
8	M52B	Y	-5.619	-5.619	0	%100
9	M76	Y	-10.109	-10.109	0	%100
10	M77	Y	-10.109	-10.109	0	%100
11	M80	Y	-10.122	-10.122	0	%100
12	M84	Y	-10.109	-10.109	0	%100
13	M85	Y	-10.109	-10.109	0	%100
14	M91	Y	-10.122	-10.122	0	%100
15	M28	Y	-9.609	-9.609	0	%100
16	M29	Y	-9.609	-9.609	0	%100
17	M30	Y	-9.609	-9.609	0	%100
18	M31	Y	-10.122	-10.122	0	%100
19	M34	Y	-5.619	-5.619	0	%100
20	M35	Y	-5.619	-5.619	0	%100
21	M39	Y	-10.109	-10.109	0	%100
22	M40	Y	-10.109	-10.109	0	%100
23	M42	Y	-10.122	-10.122	0	%100
24	M44	Y	-10.109	-10.109	0	%100
25	M45	Y	-10.109	-10.109	0	%100
26	M47	Y	-10.122	-10.122	0	%100
27	M52A	Y	-9.609	-9.609	0	%100
28	M53	Y	-9.609	-9.609	0	%100
29	M54	Y	-9.609	-9.609	0	%100
30	M55	Y	-10.122	-10.122	0	%100
31	M58A	Y	-5.619	-5.619	0	%100
32	M59A	Y	-5.619	-5.619	0	%100
33	M63	Y	-10.109	-10.109	0	%100
34	M64	Y	-10.109	-10.109	0	%100
35	M66	Y	-10.122	-10.122	0	%100
36	M68	Y	-10.109	-10.109	0	%100
37	M69	Y	-10.109	-10.109	0	%100
38	M71	Y	-10.122	-10.122	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.%,]
39	MP2A	Y	-4.979	-4.979	0	%100
40	MP3A	Y	-5.685	-5.685	0	%100
41	MP4A	Y	-4.979	-4.979	0	%100
42	M82	Y	-6.566	-6.566	0	%100
43	MP1C	Y	-4.979	-4.979	0	%100
44	MP2C	Y	-4.979	-4.979	0	%100
45	MP3C	Y	-5.685	-5.685	0	%100
46	MP4C	Y	-4.979	-4.979	0	%100
47	M91A	Y	-6.566	-6.566	0	%100
48	MP1B	Y	-4.979	-4.979	0	%100
49	MP2B	Y	-4.979	-4.979	0	%100
50	MP3B	Y	-5.685	-5.685	0	%100
51	MP4B	Y	-4.979	-4.979	0	%100
52	M100	Y	-5.685	-5.685	0	%100
53	M105	Y	-5.685	-5.685	0	%100
54	M110	Y	-5.685	-5.685	0	%100
55	M121	Y	-7.614	-7.614	0	%100
56	M128	Y	-7.614	-7.614	0	%100
57	M135	Y	-7.614	-7.614	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	FACE	X	0	0	0	%100
2	FACE	Z	-14.172	-14.172	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-12.603	-12.603	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-9.95	-9.95	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-12.603	-12.603	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-25.137	-25.137	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-3.49	-3.49	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-3.49	-3.49	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-6.401	-6.401	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-6.742	-6.742	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-6.401	-6.401	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-6.742	-6.742	0	%100
29	M28	X	0	0	0	%100
30	M28	Z	-11.17	-11.17	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	-3.151	-3.151	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	-3.151	-3.151	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, %]
35	M31	X	0	0	0	%100
36	M31	Z	-6.284	-6.284	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	-3.49	-3.49	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	-13.958	-13.958	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-18.853	-18.853	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-6.401	-6.401	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-6.742	-6.742	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-18.853	-18.853	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-25.603	-25.603	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-26.967	-26.967	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	-11.17	-11.17	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	-3.151	-3.151	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	-3.151	-3.151	0	%100
59	M55	X	0	0	0	%100
60	M55	Z	-6.284	-6.284	0	%100
61	M58A	X	0	0	0	%100
62	M58A	Z	-13.958	-13.958	0	%100
63	M59A	X	0	0	0	%100
64	M59A	Z	-3.49	-3.49	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-18.853	-18.853	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-25.603	-25.603	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-26.967	-26.967	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-18.853	-18.853	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	-6.401	-6.401	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	-6.742	-6.742	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-9.95	-9.95	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-12.045	-12.045	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-9.95	-9.95	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-3.543	-3.543	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-9.95	-9.95	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	-9.95	-9.95	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-12.045	-12.045	0	%100
91	MP4C	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, %]
92	MP4C	Z	-9.95	-9.95	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	-3.543	-3.543	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-9.95	-9.95	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-9.95	-9.95	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-12.045	-12.045	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-9.95	-9.95	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	-3.011	-3.011	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-3.011	-3.011	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	-12.045	-12.045	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-4.046	-4.046	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	-4.046	-4.046	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	-16.184	-16.184	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	FACE	X	5.315	5.315	0	%100
2	FACE	Z	-9.205	-9.205	0	%100
3	M4	X	1.862	1.862	0	%100
4	M4	Z	-3.225	-3.225	0	%100
5	M10	X	4.726	4.726	0	%100
6	M10	Z	-8.186	-8.186	0	%100
7	MP1A	X	4.975	4.975	0	%100
8	MP1A	Z	-8.617	-8.617	0	%100
9	M43	X	4.726	4.726	0	%100
10	M43	Z	-8.186	-8.186	0	%100
11	M46	X	9.427	9.427	0	%100
12	M46	Z	-16.327	-16.327	0	%100
13	M51B	X	5.234	5.234	0	%100
14	M51B	Z	-9.066	-9.066	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	3.142	3.142	0	%100
18	M76	Z	-5.442	-5.442	0	%100
19	M77	X	9.601	9.601	0	%100
20	M77	Z	-16.63	-16.63	0	%100
21	M80	X	10.113	10.113	0	%100
22	M80	Z	-17.516	-17.516	0	%100
23	M84	X	3.142	3.142	0	%100
24	M84	Z	-5.442	-5.442	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M28	X	1.862	1.862	0	%100
30	M28	Z	-3.225	-3.225	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
31	M29	X	4.726	4.726	0	%100
32	M29	Z	-8.186	-8.186	0	%100
33	M30	X	4.726	4.726	0	%100
34	M30	Z	-8.186	-8.186	0	%100
35	M31	X	9.427	9.427	0	%100
36	M31	Z	-16.327	-16.327	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	5.234	5.234	0	%100
40	M35	Z	-9.066	-9.066	0	%100
41	M39	X	3.142	3.142	0	%100
42	M39	Z	-5.442	-5.442	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	3.142	3.142	0	%100
48	M44	Z	-5.442	-5.442	0	%100
49	M45	X	9.601	9.601	0	%100
50	M45	Z	-16.63	-16.63	0	%100
51	M47	X	10.113	10.113	0	%100
52	M47	Z	-17.516	-17.516	0	%100
53	M52A	X	7.447	7.447	0	%100
54	M52A	Z	-12.898	-12.898	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M55	X	0	0	0	%100
60	M55	Z	0	0	0	%100
61	M58A	X	5.234	5.234	0	%100
62	M58A	Z	-9.066	-9.066	0	%100
63	M59A	X	5.234	5.234	0	%100
64	M59A	Z	-9.066	-9.066	0	%100
65	M63	X	12.569	12.569	0	%100
66	M63	Z	-21.77	-21.77	0	%100
67	M64	X	9.601	9.601	0	%100
68	M64	Z	-16.63	-16.63	0	%100
69	M66	X	10.113	10.113	0	%100
70	M66	Z	-17.516	-17.516	0	%100
71	M68	X	12.569	12.569	0	%100
72	M68	Z	-21.77	-21.77	0	%100
73	M69	X	9.601	9.601	0	%100
74	M69	Z	-16.63	-16.63	0	%100
75	M71	X	10.113	10.113	0	%100
76	M71	Z	-17.516	-17.516	0	%100
77	MP2A	X	4.975	4.975	0	%100
78	MP2A	Z	-8.617	-8.617	0	%100
79	MP3A	X	6.023	6.023	0	%100
80	MP3A	Z	-10.431	-10.431	0	%100
81	MP4A	X	4.975	4.975	0	%100
82	MP4A	Z	-8.617	-8.617	0	%100
83	M82	X	5.315	5.315	0	%100
84	M82	Z	-9.205	-9.205	0	%100
85	MP1C	X	4.975	4.975	0	%100
86	MP1C	Z	-8.617	-8.617	0	%100
87	MP2C	X	4.975	4.975	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.%,]
88	MP2C	Z	-8.617	-8.617	0	%100
89	MP3C	X	6.023	6.023	0	%100
90	MP3C	Z	-10.431	-10.431	0	%100
91	MP4C	X	4.975	4.975	0	%100
92	MP4C	Z	-8.617	-8.617	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	MP1B	X	4.975	4.975	0	%100
96	MP1B	Z	-8.617	-8.617	0	%100
97	MP2B	X	4.975	4.975	0	%100
98	MP2B	Z	-8.617	-8.617	0	%100
99	MP3B	X	6.023	6.023	0	%100
100	MP3B	Z	-10.431	-10.431	0	%100
101	MP4B	X	4.975	4.975	0	%100
102	MP4B	Z	-8.617	-8.617	0	%100
103	M100	X	4.517	4.517	0	%100
104	M100	Z	-7.823	-7.823	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	4.517	4.517	0	%100
108	M110	Z	-7.823	-7.823	0	%100
109	M121	X	6.069	6.069	0	%100
110	M121	Z	-10.512	-10.512	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	M135	X	6.069	6.069	0	%100
114	M135	Z	-10.512	-10.512	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	FACE	X	3.068	3.068	0	%100
2	FACE	Z	-1.772	-1.772	0	%100
3	M4	X	9.674	9.674	0	%100
4	M4	Z	-5.585	-5.585	0	%100
5	M10	X	2.729	2.729	0	%100
6	M10	Z	-1.575	-1.575	0	%100
7	MP1A	X	8.617	8.617	0	%100
8	MP1A	Z	-4.975	-4.975	0	%100
9	M43	X	2.729	2.729	0	%100
10	M43	Z	-1.575	-1.575	0	%100
11	M46	X	5.442	5.442	0	%100
12	M46	Z	-3.142	-3.142	0	%100
13	M51B	X	12.088	12.088	0	%100
14	M51B	Z	-6.979	-6.979	0	%100
15	M52B	X	3.022	3.022	0	%100
16	M52B	Z	-1.745	-1.745	0	%100
17	M76	X	16.327	16.327	0	%100
18	M76	Z	-9.427	-9.427	0	%100
19	M77	X	22.173	22.173	0	%100
20	M77	Z	-12.801	-12.801	0	%100
21	M80	X	23.354	23.354	0	%100
22	M80	Z	-13.483	-13.483	0	%100
23	M84	X	16.327	16.327	0	%100
24	M84	Z	-9.427	-9.427	0	%100
25	M85	X	5.543	5.543	0	%100
26	M85	Z	-3.2	-3.2	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
27	M91	X	5.839	5.839	0	%100
28	M91	Z	-3.371	-3.371	0	%100
29	M28	X	0	0	0	%100
30	M28	Z	0	0	0	%100
31	M29	X	10.914	10.914	0	%100
32	M29	Z	-6.301	-6.301	0	%100
33	M30	X	10.914	10.914	0	%100
34	M30	Z	-6.301	-6.301	0	%100
35	M31	X	21.77	21.77	0	%100
36	M31	Z	-12.569	-12.569	0	%100
37	M34	X	3.022	3.022	0	%100
38	M34	Z	-1.745	-1.745	0	%100
39	M35	X	3.022	3.022	0	%100
40	M35	Z	-1.745	-1.745	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	5.543	5.543	0	%100
44	M40	Z	-3.2	-3.2	0	%100
45	M42	X	5.839	5.839	0	%100
46	M42	Z	-3.371	-3.371	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M45	X	5.543	5.543	0	%100
50	M45	Z	-3.2	-3.2	0	%100
51	M47	X	5.839	5.839	0	%100
52	M47	Z	-3.371	-3.371	0	%100
53	M52A	X	9.674	9.674	0	%100
54	M52A	Z	-5.585	-5.585	0	%100
55	M53	X	2.729	2.729	0	%100
56	M53	Z	-1.575	-1.575	0	%100
57	M54	X	2.729	2.729	0	%100
58	M54	Z	-1.575	-1.575	0	%100
59	M55	X	5.442	5.442	0	%100
60	M55	Z	-3.142	-3.142	0	%100
61	M58A	X	3.022	3.022	0	%100
62	M58A	Z	-1.745	-1.745	0	%100
63	M59A	X	12.088	12.088	0	%100
64	M59A	Z	-6.979	-6.979	0	%100
65	M63	X	16.327	16.327	0	%100
66	M63	Z	-9.427	-9.427	0	%100
67	M64	X	5.543	5.543	0	%100
68	M64	Z	-3.2	-3.2	0	%100
69	M66	X	5.839	5.839	0	%100
70	M66	Z	-3.371	-3.371	0	%100
71	M68	X	16.327	16.327	0	%100
72	M68	Z	-9.427	-9.427	0	%100
73	M69	X	22.173	22.173	0	%100
74	M69	Z	-12.801	-12.801	0	%100
75	M71	X	23.354	23.354	0	%100
76	M71	Z	-13.483	-13.483	0	%100
77	MP2A	X	8.617	8.617	0	%100
78	MP2A	Z	-4.975	-4.975	0	%100
79	MP3A	X	10.431	10.431	0	%100
80	MP3A	Z	-6.023	-6.023	0	%100
81	MP4A	X	8.617	8.617	0	%100
82	MP4A	Z	-4.975	-4.975	0	%100
83	M82	X	12.273	12.273	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.%,]
84	M82	Z	-7.086	-7.086	0	%100
85	MP1C	X	8.617	8.617	0	%100
86	MP1C	Z	-4.975	-4.975	0	%100
87	MP2C	X	8.617	8.617	0	%100
88	MP2C	Z	-4.975	-4.975	0	%100
89	MP3C	X	10.431	10.431	0	%100
90	MP3C	Z	-6.023	-6.023	0	%100
91	MP4C	X	8.617	8.617	0	%100
92	MP4C	Z	-4.975	-4.975	0	%100
93	M91A	X	3.068	3.068	0	%100
94	M91A	Z	-1.772	-1.772	0	%100
95	MP1B	X	8.617	8.617	0	%100
96	MP1B	Z	-4.975	-4.975	0	%100
97	MP2B	X	8.617	8.617	0	%100
98	MP2B	Z	-4.975	-4.975	0	%100
99	MP3B	X	10.431	10.431	0	%100
100	MP3B	Z	-6.023	-6.023	0	%100
101	MP4B	X	8.617	8.617	0	%100
102	MP4B	Z	-4.975	-4.975	0	%100
103	M100	X	10.431	10.431	0	%100
104	M100	Z	-6.023	-6.023	0	%100
105	M105	X	2.608	2.608	0	%100
106	M105	Z	-1.506	-1.506	0	%100
107	M110	X	2.608	2.608	0	%100
108	M110	Z	-1.506	-1.506	0	%100
109	M121	X	14.016	14.016	0	%100
110	M121	Z	-8.092	-8.092	0	%100
111	M128	X	3.504	3.504	0	%100
112	M128	Z	-2.023	-2.023	0	%100
113	M135	X	3.504	3.504	0	%100
114	M135	Z	-2.023	-2.023	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	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M4	X	14.894	14.894	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	9.95	9.95	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	10.469	10.469	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	10.469	10.469	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	25.137	25.137	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	19.202	19.202	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	20.225	20.225	0	%100
22	M80	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.-%]	End Location[ft.-%]
23	M84	X	25.137	25.137	0 %100
24	M84	Z	0	0	0 %100
25	M85	X	19.202	19.202	0 %100
26	M85	Z	0	0	0 %100
27	M91	X	20.225	20.225	0 %100
28	M91	Z	0	0	0 %100
29	M28	X	3.723	3.723	0 %100
30	M28	Z	0	0	0 %100
31	M29	X	9.452	9.452	0 %100
32	M29	Z	0	0	0 %100
33	M30	X	9.452	9.452	0 %100
34	M30	Z	0	0	0 %100
35	M31	X	18.853	18.853	0 %100
36	M31	Z	0	0	0 %100
37	M34	X	10.469	10.469	0 %100
38	M34	Z	0	0	0 %100
39	M35	X	0	0	0 %100
40	M35	Z	0	0	0 %100
41	M39	X	6.284	6.284	0 %100
42	M39	Z	0	0	0 %100
43	M40	X	19.202	19.202	0 %100
44	M40	Z	0	0	0 %100
45	M42	X	20.225	20.225	0 %100
46	M42	Z	0	0	0 %100
47	M44	X	6.284	6.284	0 %100
48	M44	Z	0	0	0 %100
49	M45	X	0	0	0 %100
50	M45	Z	0	0	0 %100
51	M47	X	0	0	0 %100
52	M47	Z	0	0	0 %100
53	M52A	X	3.723	3.723	0 %100
54	M52A	Z	0	0	0 %100
55	M53	X	9.452	9.452	0 %100
56	M53	Z	0	0	0 %100
57	M54	X	9.452	9.452	0 %100
58	M54	Z	0	0	0 %100
59	M55	X	18.853	18.853	0 %100
60	M55	Z	0	0	0 %100
61	M58A	X	0	0	0 %100
62	M58A	Z	0	0	0 %100
63	M59A	X	10.469	10.469	0 %100
64	M59A	Z	0	0	0 %100
65	M63	X	6.284	6.284	0 %100
66	M63	Z	0	0	0 %100
67	M64	X	0	0	0 %100
68	M64	Z	0	0	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	6.284	6.284	0 %100
72	M68	Z	0	0	0 %100
73	M69	X	19.202	19.202	0 %100
74	M69	Z	0	0	0 %100
75	M71	X	20.225	20.225	0 %100
76	M71	Z	0	0	0 %100
77	MP2A	X	9.95	9.95	0 %100
78	MP2A	Z	0	0	0 %100
79	MP3A	X	12.045	12.045	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.%,]
80	MP3A	Z	0	0	0	%100
81	MP4A	X	9.95	9.95	0	%100
82	MP4A	Z	0	0	0	%100
83	M82	X	10.629	10.629	0	%100
84	M82	Z	0	0	0	%100
85	MP1C	X	9.95	9.95	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	9.95	9.95	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	12.045	12.045	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	9.95	9.95	0	%100
92	MP4C	Z	0	0	0	%100
93	M91A	X	10.629	10.629	0	%100
94	M91A	Z	0	0	0	%100
95	MP1B	X	9.95	9.95	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	9.95	9.95	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	12.045	12.045	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	9.95	9.95	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	9.034	9.034	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	9.034	9.034	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	12.138	12.138	0	%100
110	M121	Z	0	0	0	%100
111	M128	X	12.138	12.138	0	%100
112	M128	Z	0	0	0	%100
113	M135	X	0	0	0	%100
114	M135	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	FACE	X	3.068	3.068	0	%100
2	FACE	Z	1.772	1.772	0	%100
3	M4	X	9.674	9.674	0	%100
4	M4	Z	5.585	5.585	0	%100
5	M10	X	2.729	2.729	0	%100
6	M10	Z	1.575	1.575	0	%100
7	MP1A	X	8.617	8.617	0	%100
8	MP1A	Z	4.975	4.975	0	%100
9	M43	X	2.729	2.729	0	%100
10	M43	Z	1.575	1.575	0	%100
11	M46	X	5.442	5.442	0	%100
12	M46	Z	3.142	3.142	0	%100
13	M51B	X	3.022	3.022	0	%100
14	M51B	Z	1.745	1.745	0	%100
15	M52B	X	12.088	12.088	0	%100
16	M52B	Z	6.979	6.979	0	%100
17	M76	X	16.327	16.327	0	%100
18	M76	Z	9.427	9.427	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
19	M77	X	5.543	5.543	0	%100
20	M77	Z	3.2	3.2	0	%100
21	M80	X	5.839	5.839	0	%100
22	M80	Z	3.371	3.371	0	%100
23	M84	X	16.327	16.327	0	%100
24	M84	Z	9.427	9.427	0	%100
25	M85	X	22.173	22.173	0	%100
26	M85	Z	12.801	12.801	0	%100
27	M91	X	23.354	23.354	0	%100
28	M91	Z	13.483	13.483	0	%100
29	M28	X	9.674	9.674	0	%100
30	M28	Z	5.585	5.585	0	%100
31	M29	X	2.729	2.729	0	%100
32	M29	Z	1.575	1.575	0	%100
33	M30	X	2.729	2.729	0	%100
34	M30	Z	1.575	1.575	0	%100
35	M31	X	5.442	5.442	0	%100
36	M31	Z	3.142	3.142	0	%100
37	M34	X	12.088	12.088	0	%100
38	M34	Z	6.979	6.979	0	%100
39	M35	X	3.022	3.022	0	%100
40	M35	Z	1.745	1.745	0	%100
41	M39	X	16.327	16.327	0	%100
42	M39	Z	9.427	9.427	0	%100
43	M40	X	22.173	22.173	0	%100
44	M40	Z	12.801	12.801	0	%100
45	M42	X	23.354	23.354	0	%100
46	M42	Z	13.483	13.483	0	%100
47	M44	X	16.327	16.327	0	%100
48	M44	Z	9.427	9.427	0	%100
49	M45	X	5.543	5.543	0	%100
50	M45	Z	3.2	3.2	0	%100
51	M47	X	5.839	5.839	0	%100
52	M47	Z	3.371	3.371	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	0	0	0	%100
55	M53	X	10.914	10.914	0	%100
56	M53	Z	6.301	6.301	0	%100
57	M54	X	10.914	10.914	0	%100
58	M54	Z	6.301	6.301	0	%100
59	M55	X	21.77	21.77	0	%100
60	M55	Z	12.569	12.569	0	%100
61	M58A	X	3.022	3.022	0	%100
62	M58A	Z	1.745	1.745	0	%100
63	M59A	X	3.022	3.022	0	%100
64	M59A	Z	1.745	1.745	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	5.543	5.543	0	%100
68	M64	Z	3.2	3.2	0	%100
69	M66	X	5.839	5.839	0	%100
70	M66	Z	3.371	3.371	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M69	X	5.543	5.543	0	%100
74	M69	Z	3.2	3.2	0	%100
75	M71	X	5.839	5.839	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.%]
76	M71	Z	3.371	3.371	0	%100
77	MP2A	X	8.617	8.617	0	%100
78	MP2A	Z	4.975	4.975	0	%100
79	MP3A	X	10.431	10.431	0	%100
80	MP3A	Z	6.023	6.023	0	%100
81	MP4A	X	8.617	8.617	0	%100
82	MP4A	Z	4.975	4.975	0	%100
83	M82	X	3.068	3.068	0	%100
84	M82	Z	1.772	1.772	0	%100
85	MP1C	X	8.617	8.617	0	%100
86	MP1C	Z	4.975	4.975	0	%100
87	MP2C	X	8.617	8.617	0	%100
88	MP2C	Z	4.975	4.975	0	%100
89	MP3C	X	10.431	10.431	0	%100
90	MP3C	Z	6.023	6.023	0	%100
91	MP4C	X	8.617	8.617	0	%100
92	MP4C	Z	4.975	4.975	0	%100
93	M91A	X	12.273	12.273	0	%100
94	M91A	Z	7.086	7.086	0	%100
95	MP1B	X	8.617	8.617	0	%100
96	MP1B	Z	4.975	4.975	0	%100
97	MP2B	X	8.617	8.617	0	%100
98	MP2B	Z	4.975	4.975	0	%100
99	MP3B	X	10.431	10.431	0	%100
100	MP3B	Z	6.023	6.023	0	%100
101	MP4B	X	8.617	8.617	0	%100
102	MP4B	Z	4.975	4.975	0	%100
103	M100	X	2.608	2.608	0	%100
104	M100	Z	1.506	1.506	0	%100
105	M105	X	10.431	10.431	0	%100
106	M105	Z	6.023	6.023	0	%100
107	M110	X	2.608	2.608	0	%100
108	M110	Z	1.506	1.506	0	%100
109	M121	X	3.504	3.504	0	%100
110	M121	Z	2.023	2.023	0	%100
111	M128	X	14.016	14.016	0	%100
112	M128	Z	8.092	8.092	0	%100
113	M135	X	3.504	3.504	0	%100
114	M135	Z	2.023	2.023	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	FACE	X	5.315	5.315	0	%100
2	FACE	Z	9.205	9.205	0	%100
3	M4	X	1.862	1.862	0	%100
4	M4	Z	3.225	3.225	0	%100
5	M10	X	4.726	4.726	0	%100
6	M10	Z	8.186	8.186	0	%100
7	MP1A	X	4.975	4.975	0	%100
8	MP1A	Z	8.617	8.617	0	%100
9	M43	X	4.726	4.726	0	%100
10	M43	Z	8.186	8.186	0	%100
11	M46	X	9.427	9.427	0	%100
12	M46	Z	16.327	16.327	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	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.%]
15	M52B	X	5.234	5.234	0	%100
16	M52B	Z	9.066	9.066	0	%100
17	M76	X	3.142	3.142	0	%100
18	M76	Z	5.442	5.442	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	3.142	3.142	0	%100
24	M84	Z	5.442	5.442	0	%100
25	M85	X	9.601	9.601	0	%100
26	M85	Z	16.63	16.63	0	%100
27	M91	X	10.113	10.113	0	%100
28	M91	Z	17.516	17.516	0	%100
29	M28	X	7.447	7.447	0	%100
30	M28	Z	12.898	12.898	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	0	0	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	0	0	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	0	0	0	%100
37	M34	X	5.234	5.234	0	%100
38	M34	Z	9.066	9.066	0	%100
39	M35	X	5.234	5.234	0	%100
40	M35	Z	9.066	9.066	0	%100
41	M39	X	12.569	12.569	0	%100
42	M39	Z	21.77	21.77	0	%100
43	M40	X	9.601	9.601	0	%100
44	M40	Z	16.63	16.63	0	%100
45	M42	X	10.113	10.113	0	%100
46	M42	Z	17.516	17.516	0	%100
47	M44	X	12.569	12.569	0	%100
48	M44	Z	21.77	21.77	0	%100
49	M45	X	9.601	9.601	0	%100
50	M45	Z	16.63	16.63	0	%100
51	M47	X	10.113	10.113	0	%100
52	M47	Z	17.516	17.516	0	%100
53	M52A	X	1.862	1.862	0	%100
54	M52A	Z	3.225	3.225	0	%100
55	M53	X	4.726	4.726	0	%100
56	M53	Z	8.186	8.186	0	%100
57	M54	X	4.726	4.726	0	%100
58	M54	Z	8.186	8.186	0	%100
59	M55	X	9.427	9.427	0	%100
60	M55	Z	16.327	16.327	0	%100
61	M58A	X	5.234	5.234	0	%100
62	M58A	Z	9.066	9.066	0	%100
63	M59A	X	0	0	0	%100
64	M59A	Z	0	0	0	%100
65	M63	X	3.142	3.142	0	%100
66	M63	Z	5.442	5.442	0	%100
67	M64	X	9.601	9.601	0	%100
68	M64	Z	16.63	16.63	0	%100
69	M66	X	10.113	10.113	0	%100
70	M66	Z	17.516	17.516	0	%100
71	M68	X	3.142	3.142	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
72	M68	Z	5.442	5.442	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	0	0	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	MP2A	X	4.975	4.975	0	%100
78	MP2A	Z	8.617	8.617	0	%100
79	MP3A	X	6.023	6.023	0	%100
80	MP3A	Z	10.431	10.431	0	%100
81	MP4A	X	4.975	4.975	0	%100
82	MP4A	Z	8.617	8.617	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	MP1C	X	4.975	4.975	0	%100
86	MP1C	Z	8.617	8.617	0	%100
87	MP2C	X	4.975	4.975	0	%100
88	MP2C	Z	8.617	8.617	0	%100
89	MP3C	X	6.023	6.023	0	%100
90	MP3C	Z	10.431	10.431	0	%100
91	MP4C	X	4.975	4.975	0	%100
92	MP4C	Z	8.617	8.617	0	%100
93	M91A	X	5.315	5.315	0	%100
94	M91A	Z	9.205	9.205	0	%100
95	MP1B	X	4.975	4.975	0	%100
96	MP1B	Z	8.617	8.617	0	%100
97	MP2B	X	4.975	4.975	0	%100
98	MP2B	Z	8.617	8.617	0	%100
99	MP3B	X	6.023	6.023	0	%100
100	MP3B	Z	10.431	10.431	0	%100
101	MP4B	X	4.975	4.975	0	%100
102	MP4B	Z	8.617	8.617	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	4.517	4.517	0	%100
106	M105	Z	7.823	7.823	0	%100
107	M110	X	4.517	4.517	0	%100
108	M110	Z	7.823	7.823	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M128	X	6.069	6.069	0	%100
112	M128	Z	10.512	10.512	0	%100
113	M135	X	6.069	6.069	0	%100
114	M135	Z	10.512	10.512	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	FACE	X	0	0	0	%100
2	FACE	Z	14.172	14.172	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	12.603	12.603	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	9.95	9.95	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	12.603	12.603	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	M46	X	0	0	0	%100
12	M46	Z	25.137	25.137	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	3.49	3.49	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	3.49	3.49	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	6.401	6.401	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	6.742	6.742	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	6.401	6.401	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	6.742	6.742	0	%100
29	M28	X	0	0	0	%100
30	M28	Z	11.17	11.17	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	3.151	3.151	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	3.151	3.151	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	6.284	6.284	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	3.49	3.49	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	13.958	13.958	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	18.853	18.853	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	6.401	6.401	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	6.742	6.742	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	18.853	18.853	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	25.603	25.603	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	26.967	26.967	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	11.17	11.17	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	3.151	3.151	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	3.151	3.151	0	%100
59	M55	X	0	0	0	%100
60	M55	Z	6.284	6.284	0	%100
61	M58A	X	0	0	0	%100
62	M58A	Z	13.958	13.958	0	%100
63	M59A	X	0	0	0	%100
64	M59A	Z	3.49	3.49	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	18.853	18.853	0	%100
67	M64	X	0	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	M64	Z	25.603	25.603	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	26.967	26.967	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	18.853	18.853	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	6.401	6.401	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	6.742	6.742	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	9.95	9.95	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	12.045	12.045	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	9.95	9.95	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	3.543	3.543	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	9.95	9.95	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	9.95	9.95	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	12.045	12.045	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	9.95	9.95	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	3.543	3.543	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	9.95	9.95	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	9.95	9.95	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	12.045	12.045	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	9.95	9.95	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	3.011	3.011	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	3.011	3.011	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	12.045	12.045	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	4.046	4.046	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	4.046	4.046	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	16.184	16.184	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	FACE	X	-5.315	-5.315	0	%100
2	FACE	Z	9.205	9.205	0	%100
3	M4	X	-1.862	-1.862	0	%100
4	M4	Z	3.225	3.225	0	%100
5	M10	X	-4.726	-4.726	0	%100
6	M10	Z	8.186	8.186	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
7	MP1A	X	-4.975	-4.975	0	%100
8	MP1A	Z	8.617	8.617	0	%100
9	M43	X	-4.726	-4.726	0	%100
10	M43	Z	8.186	8.186	0	%100
11	M46	X	-9.427	-9.427	0	%100
12	M46	Z	16.327	16.327	0	%100
13	M51B	X	-5.234	-5.234	0	%100
14	M51B	Z	9.066	9.066	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-3.142	-3.142	0	%100
18	M76	Z	5.442	5.442	0	%100
19	M77	X	-9.601	-9.601	0	%100
20	M77	Z	16.63	16.63	0	%100
21	M80	X	-10.113	-10.113	0	%100
22	M80	Z	17.516	17.516	0	%100
23	M84	X	-3.142	-3.142	0	%100
24	M84	Z	5.442	5.442	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M28	X	-1.862	-1.862	0	%100
30	M28	Z	3.225	3.225	0	%100
31	M29	X	-4.726	-4.726	0	%100
32	M29	Z	8.186	8.186	0	%100
33	M30	X	-4.726	-4.726	0	%100
34	M30	Z	8.186	8.186	0	%100
35	M31	X	-9.427	-9.427	0	%100
36	M31	Z	16.327	16.327	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	-5.234	-5.234	0	%100
40	M35	Z	9.066	9.066	0	%100
41	M39	X	-3.142	-3.142	0	%100
42	M39	Z	5.442	5.442	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	-3.142	-3.142	0	%100
48	M44	Z	5.442	5.442	0	%100
49	M45	X	-9.601	-9.601	0	%100
50	M45	Z	16.63	16.63	0	%100
51	M47	X	-10.113	-10.113	0	%100
52	M47	Z	17.516	17.516	0	%100
53	M52A	X	-7.447	-7.447	0	%100
54	M52A	Z	12.898	12.898	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M55	X	0	0	0	%100
60	M55	Z	0	0	0	%100
61	M58A	X	-5.234	-5.234	0	%100
62	M58A	Z	9.066	9.066	0	%100
63	M59A	X	-5.234	-5.234	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.-%]
64	M59A	Z	9.066	9.066	0	%100
65	M63	X	-12.569	-12.569	0	%100
66	M63	Z	21.77	21.77	0	%100
67	M64	X	-9.601	-9.601	0	%100
68	M64	Z	16.63	16.63	0	%100
69	M66	X	-10.113	-10.113	0	%100
70	M66	Z	17.516	17.516	0	%100
71	M68	X	-12.569	-12.569	0	%100
72	M68	Z	21.77	21.77	0	%100
73	M69	X	-9.601	-9.601	0	%100
74	M69	Z	16.63	16.63	0	%100
75	M71	X	-10.113	-10.113	0	%100
76	M71	Z	17.516	17.516	0	%100
77	MP2A	X	-4.975	-4.975	0	%100
78	MP2A	Z	8.617	8.617	0	%100
79	MP3A	X	-6.023	-6.023	0	%100
80	MP3A	Z	10.431	10.431	0	%100
81	MP4A	X	-4.975	-4.975	0	%100
82	MP4A	Z	8.617	8.617	0	%100
83	M82	X	-5.315	-5.315	0	%100
84	M82	Z	9.205	9.205	0	%100
85	MP1C	X	-4.975	-4.975	0	%100
86	MP1C	Z	8.617	8.617	0	%100
87	MP2C	X	-4.975	-4.975	0	%100
88	MP2C	Z	8.617	8.617	0	%100
89	MP3C	X	-6.023	-6.023	0	%100
90	MP3C	Z	10.431	10.431	0	%100
91	MP4C	X	-4.975	-4.975	0	%100
92	MP4C	Z	8.617	8.617	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	MP1B	X	-4.975	-4.975	0	%100
96	MP1B	Z	8.617	8.617	0	%100
97	MP2B	X	-4.975	-4.975	0	%100
98	MP2B	Z	8.617	8.617	0	%100
99	MP3B	X	-6.023	-6.023	0	%100
100	MP3B	Z	10.431	10.431	0	%100
101	MP4B	X	-4.975	-4.975	0	%100
102	MP4B	Z	8.617	8.617	0	%100
103	M100	X	-4.517	-4.517	0	%100
104	M100	Z	7.823	7.823	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	-4.517	-4.517	0	%100
108	M110	Z	7.823	7.823	0	%100
109	M121	X	-6.069	-6.069	0	%100
110	M121	Z	10.512	10.512	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	M135	X	-6.069	-6.069	0	%100
114	M135	Z	10.512	10.512	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	FACE	X	-3.068	-3.068	0	%100
2	FACE	Z	1.772	1.772	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
3	M4	X	-9.674	-9.674	0 %100
4	M4	Z	5.585	5.585	0 %100
5	M10	X	-2.729	-2.729	0 %100
6	M10	Z	1.575	1.575	0 %100
7	MP1A	X	-8.617	-8.617	0 %100
8	MP1A	Z	4.975	4.975	0 %100
9	M43	X	-2.729	-2.729	0 %100
10	M43	Z	1.575	1.575	0 %100
11	M46	X	-5.442	-5.442	0 %100
12	M46	Z	3.142	3.142	0 %100
13	M51B	X	-12.088	-12.088	0 %100
14	M51B	Z	6.979	6.979	0 %100
15	M52B	X	-3.022	-3.022	0 %100
16	M52B	Z	1.745	1.745	0 %100
17	M76	X	-16.327	-16.327	0 %100
18	M76	Z	9.427	9.427	0 %100
19	M77	X	-22.173	-22.173	0 %100
20	M77	Z	12.801	12.801	0 %100
21	M80	X	-23.354	-23.354	0 %100
22	M80	Z	13.483	13.483	0 %100
23	M84	X	-16.327	-16.327	0 %100
24	M84	Z	9.427	9.427	0 %100
25	M85	X	-5.543	-5.543	0 %100
26	M85	Z	3.2	3.2	0 %100
27	M91	X	-5.839	-5.839	0 %100
28	M91	Z	3.371	3.371	0 %100
29	M28	X	0	0	0 %100
30	M28	Z	0	0	0 %100
31	M29	X	-10.914	-10.914	0 %100
32	M29	Z	6.301	6.301	0 %100
33	M30	X	-10.914	-10.914	0 %100
34	M30	Z	6.301	6.301	0 %100
35	M31	X	-21.77	-21.77	0 %100
36	M31	Z	12.569	12.569	0 %100
37	M34	X	-3.022	-3.022	0 %100
38	M34	Z	1.745	1.745	0 %100
39	M35	X	-3.022	-3.022	0 %100
40	M35	Z	1.745	1.745	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	0	0	0 %100
43	M40	X	-5.543	-5.543	0 %100
44	M40	Z	3.2	3.2	0 %100
45	M42	X	-5.839	-5.839	0 %100
46	M42	Z	3.371	3.371	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	0	0	0 %100
49	M45	X	-5.543	-5.543	0 %100
50	M45	Z	3.2	3.2	0 %100
51	M47	X	-5.839	-5.839	0 %100
52	M47	Z	3.371	3.371	0 %100
53	M52A	X	-9.674	-9.674	0 %100
54	M52A	Z	5.585	5.585	0 %100
55	M53	X	-2.729	-2.729	0 %100
56	M53	Z	1.575	1.575	0 %100
57	M54	X	-2.729	-2.729	0 %100
58	M54	Z	1.575	1.575	0 %100
59	M55	X	-5.442	-5.442	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. %]
60	M55	Z	3.142	3.142	0	%100
61	M58A	X	-3.022	-3.022	0	%100
62	M58A	Z	1.745	1.745	0	%100
63	M59A	X	-12.088	-12.088	0	%100
64	M59A	Z	6.979	6.979	0	%100
65	M63	X	-16.327	-16.327	0	%100
66	M63	Z	9.427	9.427	0	%100
67	M64	X	-5.543	-5.543	0	%100
68	M64	Z	3.2	3.2	0	%100
69	M66	X	-5.839	-5.839	0	%100
70	M66	Z	3.371	3.371	0	%100
71	M68	X	-16.327	-16.327	0	%100
72	M68	Z	9.427	9.427	0	%100
73	M69	X	-22.173	-22.173	0	%100
74	M69	Z	12.801	12.801	0	%100
75	M71	X	-23.354	-23.354	0	%100
76	M71	Z	13.483	13.483	0	%100
77	MP2A	X	-8.617	-8.617	0	%100
78	MP2A	Z	4.975	4.975	0	%100
79	MP3A	X	-10.431	-10.431	0	%100
80	MP3A	Z	6.023	6.023	0	%100
81	MP4A	X	-8.617	-8.617	0	%100
82	MP4A	Z	4.975	4.975	0	%100
83	M82	X	-12.273	-12.273	0	%100
84	M82	Z	7.086	7.086	0	%100
85	MP1C	X	-8.617	-8.617	0	%100
86	MP1C	Z	4.975	4.975	0	%100
87	MP2C	X	-8.617	-8.617	0	%100
88	MP2C	Z	4.975	4.975	0	%100
89	MP3C	X	-10.431	-10.431	0	%100
90	MP3C	Z	6.023	6.023	0	%100
91	MP4C	X	-8.617	-8.617	0	%100
92	MP4C	Z	4.975	4.975	0	%100
93	M91A	X	-3.068	-3.068	0	%100
94	M91A	Z	1.772	1.772	0	%100
95	MP1B	X	-8.617	-8.617	0	%100
96	MP1B	Z	4.975	4.975	0	%100
97	MP2B	X	-8.617	-8.617	0	%100
98	MP2B	Z	4.975	4.975	0	%100
99	MP3B	X	-10.431	-10.431	0	%100
100	MP3B	Z	6.023	6.023	0	%100
101	MP4B	X	-8.617	-8.617	0	%100
102	MP4B	Z	4.975	4.975	0	%100
103	M100	X	-10.431	-10.431	0	%100
104	M100	Z	6.023	6.023	0	%100
105	M105	X	-2.608	-2.608	0	%100
106	M105	Z	1.506	1.506	0	%100
107	M110	X	-2.608	-2.608	0	%100
108	M110	Z	1.506	1.506	0	%100
109	M121	X	-14.016	-14.016	0	%100
110	M121	Z	8.092	8.092	0	%100
111	M128	X	-3.504	-3.504	0	%100
112	M128	Z	2.023	2.023	0	%100
113	M135	X	-3.504	-3.504	0	%100
114	M135	Z	2.023	2.023	0	%100



Company :  
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 Job Number :  
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**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	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M4	X	-14.894	-14.894	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-9.95	-9.95	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-10.469	-10.469	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-10.469	-10.469	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-25.137	-25.137	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-19.202	-19.202	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-20.225	-20.225	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-25.137	-25.137	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-19.202	-19.202	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-20.225	-20.225	0	%100
28	M91	Z	0	0	0	%100
29	M28	X	-3.723	-3.723	0	%100
30	M28	Z	0	0	0	%100
31	M29	X	-9.452	-9.452	0	%100
32	M29	Z	0	0	0	%100
33	M30	X	-9.452	-9.452	0	%100
34	M30	Z	0	0	0	%100
35	M31	X	-18.853	-18.853	0	%100
36	M31	Z	0	0	0	%100
37	M34	X	-10.469	-10.469	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	0	0	0	%100
41	M39	X	-6.284	-6.284	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	-19.202	-19.202	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	-20.225	-20.225	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	-6.284	-6.284	0	%100
48	M44	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M52A	X	-3.723	-3.723	0	%100
54	M52A	Z	0	0	0	%100
55	M53	X	-9.452	-9.452	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	-9.452	-9.452	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, %]	
58	M54	Z	0	0	0	%100
59	M55	X	-18.853	-18.853	0	%100
60	M55	Z	0	0	0	%100
61	M58A	X	0	0	0	%100
62	M58A	Z	0	0	0	%100
63	M59A	X	-10.469	-10.469	0	%100
64	M59A	Z	0	0	0	%100
65	M63	X	-6.284	-6.284	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-6.284	-6.284	0	%100
72	M68	Z	0	0	0	%100
73	M69	X	-19.202	-19.202	0	%100
74	M69	Z	0	0	0	%100
75	M71	X	-20.225	-20.225	0	%100
76	M71	Z	0	0	0	%100
77	MP2A	X	-9.95	-9.95	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	-12.045	-12.045	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-9.95	-9.95	0	%100
82	MP4A	Z	0	0	0	%100
83	M82	X	-10.629	-10.629	0	%100
84	M82	Z	0	0	0	%100
85	MP1C	X	-9.95	-9.95	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	-9.95	-9.95	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-12.045	-12.045	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-9.95	-9.95	0	%100
92	MP4C	Z	0	0	0	%100
93	M91A	X	-10.629	-10.629	0	%100
94	M91A	Z	0	0	0	%100
95	MP1B	X	-9.95	-9.95	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-9.95	-9.95	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-12.045	-12.045	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-9.95	-9.95	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	-9.034	-9.034	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	-9.034	-9.034	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	-12.138	-12.138	0	%100
110	M121	Z	0	0	0	%100
111	M128	X	-12.138	-12.138	0	%100
112	M128	Z	0	0	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	FACE	X	-3.068	-3.068	0 %100
2	FACE	Z	-1.772	-1.772	0 %100
3	M4	X	-9.674	-9.674	0 %100
4	M4	Z	-5.585	-5.585	0 %100
5	M10	X	-2.729	-2.729	0 %100
6	M10	Z	-1.575	-1.575	0 %100
7	MP1A	X	-8.617	-8.617	0 %100
8	MP1A	Z	-4.975	-4.975	0 %100
9	M43	X	-2.729	-2.729	0 %100
10	M43	Z	-1.575	-1.575	0 %100
11	M46	X	-5.442	-5.442	0 %100
12	M46	Z	-3.142	-3.142	0 %100
13	M51B	X	-3.022	-3.022	0 %100
14	M51B	Z	-1.745	-1.745	0 %100
15	M52B	X	-12.088	-12.088	0 %100
16	M52B	Z	-6.979	-6.979	0 %100
17	M76	X	-16.327	-16.327	0 %100
18	M76	Z	-9.427	-9.427	0 %100
19	M77	X	-5.543	-5.543	0 %100
20	M77	Z	-3.2	-3.2	0 %100
21	M80	X	-5.839	-5.839	0 %100
22	M80	Z	-3.371	-3.371	0 %100
23	M84	X	-16.327	-16.327	0 %100
24	M84	Z	-9.427	-9.427	0 %100
25	M85	X	-22.173	-22.173	0 %100
26	M85	Z	-12.801	-12.801	0 %100
27	M91	X	-23.354	-23.354	0 %100
28	M91	Z	-13.483	-13.483	0 %100
29	M28	X	-9.674	-9.674	0 %100
30	M28	Z	-5.585	-5.585	0 %100
31	M29	X	-2.729	-2.729	0 %100
32	M29	Z	-1.575	-1.575	0 %100
33	M30	X	-2.729	-2.729	0 %100
34	M30	Z	-1.575	-1.575	0 %100
35	M31	X	-5.442	-5.442	0 %100
36	M31	Z	-3.142	-3.142	0 %100
37	M34	X	-12.088	-12.088	0 %100
38	M34	Z	-6.979	-6.979	0 %100
39	M35	X	-3.022	-3.022	0 %100
40	M35	Z	-1.745	-1.745	0 %100
41	M39	X	-16.327	-16.327	0 %100
42	M39	Z	-9.427	-9.427	0 %100
43	M40	X	-22.173	-22.173	0 %100
44	M40	Z	-12.801	-12.801	0 %100
45	M42	X	-23.354	-23.354	0 %100
46	M42	Z	-13.483	-13.483	0 %100
47	M44	X	-16.327	-16.327	0 %100
48	M44	Z	-9.427	-9.427	0 %100
49	M45	X	-5.543	-5.543	0 %100
50	M45	Z	-3.2	-3.2	0 %100
51	M47	X	-5.839	-5.839	0 %100
52	M47	Z	-3.371	-3.371	0 %100
53	M52A	X	0	0	0 %100
54	M52A	Z	0	0	0 %100
55	M53	X	-10.914	-10.914	0 %100
56	M53	Z	-6.301	-6.301	0 %100
57	M54	X	-10.914	-10.914	0 %100





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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	M54	Z	-6.301	-6.301	0 %100
59	M55	X	-21.77	-21.77	0 %100
60	M55	Z	-12.569	-12.569	0 %100
61	M58A	X	-3.022	-3.022	0 %100
62	M58A	Z	-1.745	-1.745	0 %100
63	M59A	X	-3.022	-3.022	0 %100
64	M59A	Z	-1.745	-1.745	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	0	0	0 %100
67	M64	X	-5.543	-5.543	0 %100
68	M64	Z	-3.2	-3.2	0 %100
69	M66	X	-5.839	-5.839	0 %100
70	M66	Z	-3.371	-3.371	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M69	X	-5.543	-5.543	0 %100
74	M69	Z	-3.2	-3.2	0 %100
75	M71	X	-5.839	-5.839	0 %100
76	M71	Z	-3.371	-3.371	0 %100
77	MP2A	X	-8.617	-8.617	0 %100
78	MP2A	Z	-4.975	-4.975	0 %100
79	MP3A	X	-10.431	-10.431	0 %100
80	MP3A	Z	-6.023	-6.023	0 %100
81	MP4A	X	-8.617	-8.617	0 %100
82	MP4A	Z	-4.975	-4.975	0 %100
83	M82	X	-3.068	-3.068	0 %100
84	M82	Z	-1.772	-1.772	0 %100
85	MP1C	X	-8.617	-8.617	0 %100
86	MP1C	Z	-4.975	-4.975	0 %100
87	MP2C	X	-8.617	-8.617	0 %100
88	MP2C	Z	-4.975	-4.975	0 %100
89	MP3C	X	-10.431	-10.431	0 %100
90	MP3C	Z	-6.023	-6.023	0 %100
91	MP4C	X	-8.617	-8.617	0 %100
92	MP4C	Z	-4.975	-4.975	0 %100
93	M91A	X	-12.273	-12.273	0 %100
94	M91A	Z	-7.086	-7.086	0 %100
95	MP1B	X	-8.617	-8.617	0 %100
96	MP1B	Z	-4.975	-4.975	0 %100
97	MP2B	X	-8.617	-8.617	0 %100
98	MP2B	Z	-4.975	-4.975	0 %100
99	MP3B	X	-10.431	-10.431	0 %100
100	MP3B	Z	-6.023	-6.023	0 %100
101	MP4B	X	-8.617	-8.617	0 %100
102	MP4B	Z	-4.975	-4.975	0 %100
103	M100	X	-2.608	-2.608	0 %100
104	M100	Z	-1.506	-1.506	0 %100
105	M105	X	-10.431	-10.431	0 %100
106	M105	Z	-6.023	-6.023	0 %100
107	M110	X	-2.608	-2.608	0 %100
108	M110	Z	-1.506	-1.506	0 %100
109	M121	X	-3.504	-3.504	0 %100
110	M121	Z	-2.023	-2.023	0 %100
111	M128	X	-14.016	-14.016	0 %100
112	M128	Z	-8.092	-8.092	0 %100
113	M135	X	-3.504	-3.504	0 %100
114	M135	Z	-2.023	-2.023	0 %100



Company :  
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**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	FACE	X	-5.315	-5.315	0	%100
2	FACE	Z	-9.205	-9.205	0	%100
3	M4	X	-1.862	-1.862	0	%100
4	M4	Z	-3.225	-3.225	0	%100
5	M10	X	-4.726	-4.726	0	%100
6	M10	Z	-8.186	-8.186	0	%100
7	MP1A	X	-4.975	-4.975	0	%100
8	MP1A	Z	-8.617	-8.617	0	%100
9	M43	X	-4.726	-4.726	0	%100
10	M43	Z	-8.186	-8.186	0	%100
11	M46	X	-9.427	-9.427	0	%100
12	M46	Z	-16.327	-16.327	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-5.234	-5.234	0	%100
16	M52B	Z	-9.066	-9.066	0	%100
17	M76	X	-3.142	-3.142	0	%100
18	M76	Z	-5.442	-5.442	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-3.142	-3.142	0	%100
24	M84	Z	-5.442	-5.442	0	%100
25	M85	X	-9.601	-9.601	0	%100
26	M85	Z	-16.63	-16.63	0	%100
27	M91	X	-10.113	-10.113	0	%100
28	M91	Z	-17.516	-17.516	0	%100
29	M28	X	-7.447	-7.447	0	%100
30	M28	Z	-12.898	-12.898	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	0	0	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	0	0	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	0	0	0	%100
37	M34	X	-5.234	-5.234	0	%100
38	M34	Z	-9.066	-9.066	0	%100
39	M35	X	-5.234	-5.234	0	%100
40	M35	Z	-9.066	-9.066	0	%100
41	M39	X	-12.569	-12.569	0	%100
42	M39	Z	-21.77	-21.77	0	%100
43	M40	X	-9.601	-9.601	0	%100
44	M40	Z	-16.63	-16.63	0	%100
45	M42	X	-10.113	-10.113	0	%100
46	M42	Z	-17.516	-17.516	0	%100
47	M44	X	-12.569	-12.569	0	%100
48	M44	Z	-21.77	-21.77	0	%100
49	M45	X	-9.601	-9.601	0	%100
50	M45	Z	-16.63	-16.63	0	%100
51	M47	X	-10.113	-10.113	0	%100
52	M47	Z	-17.516	-17.516	0	%100
53	M52A	X	-1.862	-1.862	0	%100
54	M52A	Z	-3.225	-3.225	0	%100
55	M53	X	-4.726	-4.726	0	%100
56	M53	Z	-8.186	-8.186	0	%100
57	M54	X	-4.726	-4.726	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, %]
58	M54	Z	-8.186	-8.186	0 %100
59	M55	X	-9.427	-9.427	0 %100
60	M55	Z	-16.327	-16.327	0 %100
61	M58A	X	-5.234	-5.234	0 %100
62	M58A	Z	-9.066	-9.066	0 %100
63	M59A	X	0	0	0 %100
64	M59A	Z	0	0	0 %100
65	M63	X	-3.142	-3.142	0 %100
66	M63	Z	-5.442	-5.442	0 %100
67	M64	X	-9.601	-9.601	0 %100
68	M64	Z	-16.63	-16.63	0 %100
69	M66	X	-10.113	-10.113	0 %100
70	M66	Z	-17.516	-17.516	0 %100
71	M68	X	-3.142	-3.142	0 %100
72	M68	Z	-5.442	-5.442	0 %100
73	M69	X	0	0	0 %100
74	M69	Z	0	0	0 %100
75	M71	X	0	0	0 %100
76	M71	Z	0	0	0 %100
77	MP2A	X	-4.975	-4.975	0 %100
78	MP2A	Z	-8.617	-8.617	0 %100
79	MP3A	X	-6.023	-6.023	0 %100
80	MP3A	Z	-10.431	-10.431	0 %100
81	MP4A	X	-4.975	-4.975	0 %100
82	MP4A	Z	-8.617	-8.617	0 %100
83	M82	X	0	0	0 %100
84	M82	Z	0	0	0 %100
85	MP1C	X	-4.975	-4.975	0 %100
86	MP1C	Z	-8.617	-8.617	0 %100
87	MP2C	X	-4.975	-4.975	0 %100
88	MP2C	Z	-8.617	-8.617	0 %100
89	MP3C	X	-6.023	-6.023	0 %100
90	MP3C	Z	-10.431	-10.431	0 %100
91	MP4C	X	-4.975	-4.975	0 %100
92	MP4C	Z	-8.617	-8.617	0 %100
93	M91A	X	-5.315	-5.315	0 %100
94	M91A	Z	-9.205	-9.205	0 %100
95	MP1B	X	-4.975	-4.975	0 %100
96	MP1B	Z	-8.617	-8.617	0 %100
97	MP2B	X	-4.975	-4.975	0 %100
98	MP2B	Z	-8.617	-8.617	0 %100
99	MP3B	X	-6.023	-6.023	0 %100
100	MP3B	Z	-10.431	-10.431	0 %100
101	MP4B	X	-4.975	-4.975	0 %100
102	MP4B	Z	-8.617	-8.617	0 %100
103	M100	X	0	0	0 %100
104	M100	Z	0	0	0 %100
105	M105	X	-4.517	-4.517	0 %100
106	M105	Z	-7.823	-7.823	0 %100
107	M110	X	-4.517	-4.517	0 %100
108	M110	Z	-7.823	-7.823	0 %100
109	M121	X	0	0	0 %100
110	M121	Z	0	0	0 %100
111	M128	X	-6.069	-6.069	0 %100
112	M128	Z	-10.512	-10.512	0 %100
113	M135	X	-6.069	-6.069	0 %100
114	M135	Z	-10.512	-10.512	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, %]
58	M54	Z	- .868	- .868	0 %100
59	M55	X	0	0	0 %100
60	M55	Z	-1.358	-1.358	0 %100
61	M58A	X	0	0	0 %100
62	M58A	Z	-3.998	-3.998	0 %100
63	M59A	X	0	0	0 %100
64	M59A	Z	-1	-1	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	-4.008	-4.008	0 %100
67	M64	X	0	0	0 %100
68	M64	Z	-5.425	-5.425	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	-5.662	-5.662	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	-4.008	-4.008	0 %100
73	M69	X	0	0	0 %100
74	M69	Z	-1.356	-1.356	0 %100
75	M71	X	0	0	0 %100
76	M71	Z	-1.415	-1.415	0 %100
77	MP2A	X	0	0	0 %100
78	MP2A	Z	-3.407	-3.407	0 %100
79	MP3A	X	0	0	0 %100
80	MP3A	Z	-3.771	-3.771	0 %100
81	MP4A	X	0	0	0 %100
82	MP4A	Z	-3.407	-3.407	0 %100
83	M82	X	0	0	0 %100
84	M82	Z	-1.056	-1.056	0 %100
85	MP1C	X	0	0	0 %100
86	MP1C	Z	-3.407	-3.407	0 %100
87	MP2C	X	0	0	0 %100
88	MP2C	Z	-3.407	-3.407	0 %100
89	MP3C	X	0	0	0 %100
90	MP3C	Z	-3.771	-3.771	0 %100
91	MP4C	X	0	0	0 %100
92	MP4C	Z	-3.407	-3.407	0 %100
93	M91A	X	0	0	0 %100
94	M91A	Z	-1.056	-1.056	0 %100
95	MP1B	X	0	0	0 %100
96	MP1B	Z	-3.407	-3.407	0 %100
97	MP2B	X	0	0	0 %100
98	MP2B	Z	-3.407	-3.407	0 %100
99	MP3B	X	0	0	0 %100
100	MP3B	Z	-3.771	-3.771	0 %100
101	MP4B	X	0	0	0 %100
102	MP4B	Z	-3.407	-3.407	0 %100
103	M100	X	0	0	0 %100
104	M100	Z	-.943	-.943	0 %100
105	M105	X	0	0	0 %100
106	M105	Z	-.943	-.943	0 %100
107	M110	X	0	0	0 %100
108	M110	Z	-3.771	-3.771	0 %100
109	M121	X	0	0	0 %100
110	M121	Z	-1.043	-1.043	0 %100
111	M128	X	0	0	0 %100
112	M128	Z	-1.043	-1.043	0 %100
113	M135	X	0	0	0 %100
114	M135	Z	-4.171	-4.171	0 %100



Company :  
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 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
1	FACE	X	1.585	1.585	0	%100
2	FACE	Z	-2.744	-2.744	0	%100
3	M4	X	.533	.533	0	%100
4	M4	Z	-.923	-.923	0	%100
5	M10	X	1.303	1.303	0	%100
6	M10	Z	-2.256	-2.256	0	%100
7	MP1A	X	1.704	1.704	0	%100
8	MP1A	Z	-2.951	-2.951	0	%100
9	M43	X	1.303	1.303	0	%100
10	M43	Z	-2.256	-2.256	0	%100
11	M46	X	2.037	2.037	0	%100
12	M46	Z	-3.529	-3.529	0	%100
13	M51B	X	1.499	1.499	0	%100
14	M51B	Z	-2.597	-2.597	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	.668	.668	0	%100
18	M76	Z	-1.157	-1.157	0	%100
19	M77	X	2.034	2.034	0	%100
20	M77	Z	-3.523	-3.523	0	%100
21	M80	X	2.123	2.123	0	%100
22	M80	Z	-3.677	-3.677	0	%100
23	M84	X	.668	.668	0	%100
24	M84	Z	-1.157	-1.157	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M28	X	.533	.533	0	%100
30	M28	Z	-.923	-.923	0	%100
31	M29	X	1.303	1.303	0	%100
32	M29	Z	-2.256	-2.256	0	%100
33	M30	X	1.303	1.303	0	%100
34	M30	Z	-2.256	-2.256	0	%100
35	M31	X	2.037	2.037	0	%100
36	M31	Z	-3.529	-3.529	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	1.499	1.499	0	%100
40	M35	Z	-2.597	-2.597	0	%100
41	M39	X	.668	.668	0	%100
42	M39	Z	-1.157	-1.157	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	.668	.668	0	%100
48	M44	Z	-1.157	-1.157	0	%100
49	M45	X	2.034	2.034	0	%100
50	M45	Z	-3.523	-3.523	0	%100
51	M47	X	2.123	2.123	0	%100
52	M47	Z	-3.677	-3.677	0	%100
53	M52A	X	2.133	2.133	0	%100
54	M52A	Z	-3.694	-3.694	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	0	0	0	%100



Company :  
Designer :  
Job Number :  
Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
58	M54	Z	0	0	%100
59	M55	X	0	0	%100
60	M55	Z	0	0	%100
61	M58A	X	1.499	1.499	%100
62	M58A	Z	-2.597	-2.597	%100
63	M59A	X	1.499	1.499	%100
64	M59A	Z	-2.597	-2.597	%100
65	M63	X	2.672	2.672	%100
66	M63	Z	-4.628	-4.628	%100
67	M64	X	2.034	2.034	%100
68	M64	Z	-3.523	-3.523	%100
69	M66	X	2.123	2.123	%100
70	M66	Z	-3.677	-3.677	%100
71	M68	X	2.672	2.672	%100
72	M68	Z	-4.628	-4.628	%100
73	M69	X	2.034	2.034	%100
74	M69	Z	-3.523	-3.523	%100
75	M71	X	2.123	2.123	%100
76	M71	Z	-3.677	-3.677	%100
77	MP2A	X	1.704	1.704	%100
78	MP2A	Z	-2.951	-2.951	%100
79	MP3A	X	1.885	1.885	%100
80	MP3A	Z	-3.266	-3.266	%100
81	MP4A	X	1.704	1.704	%100
82	MP4A	Z	-2.951	-2.951	%100
83	M82	X	1.585	1.585	%100
84	M82	Z	-2.744	-2.744	%100
85	MP1C	X	1.704	1.704	%100
86	MP1C	Z	-2.951	-2.951	%100
87	MP2C	X	1.704	1.704	%100
88	MP2C	Z	-2.951	-2.951	%100
89	MP3C	X	1.885	1.885	%100
90	MP3C	Z	-3.266	-3.266	%100
91	MP4C	X	1.704	1.704	%100
92	MP4C	Z	-2.951	-2.951	%100
93	M91A	X	0	0	%100
94	M91A	Z	0	0	%100
95	MP1B	X	1.704	1.704	%100
96	MP1B	Z	-2.951	-2.951	%100
97	MP2B	X	1.704	1.704	%100
98	MP2B	Z	-2.951	-2.951	%100
99	MP3B	X	1.885	1.885	%100
100	MP3B	Z	-3.266	-3.266	%100
101	MP4B	X	1.704	1.704	%100
102	MP4B	Z	-2.951	-2.951	%100
103	M100	X	1.414	1.414	%100
104	M100	Z	-2.449	-2.449	%100
105	M105	X	0	0	%100
106	M105	Z	0	0	%100
107	M110	X	1.414	1.414	%100
108	M110	Z	-2.449	-2.449	%100
109	M121	X	1.564	1.564	%100
110	M121	Z	-2.709	-2.709	%100
111	M128	X	0	0	%100
112	M128	Z	0	0	%100
113	M135	X	1.564	1.564	%100
114	M135	Z	-2.709	-2.709	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	FACE	X	.915	.915	0	%100
2	FACE	Z	-.528	-.528	0	%100
3	M4	X	2.77	2.77	0	%100
4	M4	Z	-1.6	-1.6	0	%100
5	M10	X	.752	.752	0	%100
6	M10	Z	-.434	-.434	0	%100
7	MP1A	X	2.951	2.951	0	%100
8	MP1A	Z	-1.704	-1.704	0	%100
9	M43	X	.752	.752	0	%100
10	M43	Z	-.434	-.434	0	%100
11	M46	X	1.176	1.176	0	%100
12	M46	Z	-.679	-.679	0	%100
13	M51B	X	3.462	3.462	0	%100
14	M51B	Z	-1.999	-1.999	0	%100
15	M52B	X	.866	.866	0	%100
16	M52B	Z	-.5	-.5	0	%100
17	M76	X	3.471	3.471	0	%100
18	M76	Z	-2.004	-2.004	0	%100
19	M77	X	4.698	4.698	0	%100
20	M77	Z	-2.712	-2.712	0	%100
21	M80	X	4.903	4.903	0	%100
22	M80	Z	-2.831	-2.831	0	%100
23	M84	X	3.471	3.471	0	%100
24	M84	Z	-2.004	-2.004	0	%100
25	M85	X	1.174	1.174	0	%100
26	M85	Z	-.678	-.678	0	%100
27	M91	X	1.226	1.226	0	%100
28	M91	Z	-.708	-.708	0	%100
29	M28	X	0	0	0	%100
30	M28	Z	0	0	0	%100
31	M29	X	3.008	3.008	0	%100
32	M29	Z	-1.737	-1.737	0	%100
33	M30	X	3.008	3.008	0	%100
34	M30	Z	-1.737	-1.737	0	%100
35	M31	X	4.705	4.705	0	%100
36	M31	Z	-2.716	-2.716	0	%100
37	M34	X	.866	.866	0	%100
38	M34	Z	-.5	-.5	0	%100
39	M35	X	.866	.866	0	%100
40	M35	Z	-.5	-.5	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	1.174	1.174	0	%100
44	M40	Z	-.678	-.678	0	%100
45	M42	X	1.226	1.226	0	%100
46	M42	Z	-.708	-.708	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M45	X	1.174	1.174	0	%100
50	M45	Z	-.678	-.678	0	%100
51	M47	X	1.226	1.226	0	%100
52	M47	Z	-.708	-.708	0	%100
53	M52A	X	2.77	2.77	0	%100
54	M52A	Z	-1.6	-1.6	0	%100
55	M53	X	.752	.752	0	%100
56	M53	Z	-.434	-.434	0	%100
57	M54	X	.752	.752	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M54	Z	-.434	-.434	0 %100
59	M55	X	1.176	1.176	0 %100
60	M55	Z	-.679	-.679	0 %100
61	M58A	X	.866	.866	0 %100
62	M58A	Z	-.5	-.5	0 %100
63	M59A	X	3.462	3.462	0 %100
64	M59A	Z	-1.999	-1.999	0 %100
65	M63	X	3.471	3.471	0 %100
66	M63	Z	-2.004	-2.004	0 %100
67	M64	X	1.174	1.174	0 %100
68	M64	Z	-.678	-.678	0 %100
69	M66	X	1.226	1.226	0 %100
70	M66	Z	-.708	-.708	0 %100
71	M68	X	3.471	3.471	0 %100
72	M68	Z	-2.004	-2.004	0 %100
73	M69	X	4.698	4.698	0 %100
74	M69	Z	-2.712	-2.712	0 %100
75	M71	X	4.903	4.903	0 %100
76	M71	Z	-2.831	-2.831	0 %100
77	MP2A	X	2.951	2.951	0 %100
78	MP2A	Z	-1.704	-1.704	0 %100
79	MP3A	X	3.266	3.266	0 %100
80	MP3A	Z	-1.885	-1.885	0 %100
81	MP4A	X	2.951	2.951	0 %100
82	MP4A	Z	-1.704	-1.704	0 %100
83	M82	X	3.659	3.659	0 %100
84	M82	Z	-2.113	-2.113	0 %100
85	MP1C	X	2.951	2.951	0 %100
86	MP1C	Z	-1.704	-1.704	0 %100
87	MP2C	X	2.951	2.951	0 %100
88	MP2C	Z	-1.704	-1.704	0 %100
89	MP3C	X	3.266	3.266	0 %100
90	MP3C	Z	-1.885	-1.885	0 %100
91	MP4C	X	2.951	2.951	0 %100
92	MP4C	Z	-1.704	-1.704	0 %100
93	M91A	X	.915	.915	0 %100
94	M91A	Z	-.528	-.528	0 %100
95	MP1B	X	2.951	2.951	0 %100
96	MP1B	Z	-1.704	-1.704	0 %100
97	MP2B	X	2.951	2.951	0 %100
98	MP2B	Z	-1.704	-1.704	0 %100
99	MP3B	X	3.266	3.266	0 %100
100	MP3B	Z	-1.885	-1.885	0 %100
101	MP4B	X	2.951	2.951	0 %100
102	MP4B	Z	-1.704	-1.704	0 %100
103	M100	X	3.266	3.266	0 %100
104	M100	Z	-1.885	-1.885	0 %100
105	M105	X	.816	.816	0 %100
106	M105	Z	-.471	-.471	0 %100
107	M110	X	.816	.816	0 %100
108	M110	Z	-.471	-.471	0 %100
109	M121	X	3.612	3.612	0 %100
110	M121	Z	-2.085	-2.085	0 %100
111	M128	X	.903	.903	0 %100
112	M128	Z	-.521	-.521	0 %100
113	M135	X	.903	.903	0 %100
114	M135	Z	-.521	-.521	0 %100





Company :  
 Designer :  
 Job Number :  
 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M54	Z	0	0	%100
59	M55	X	4.075	4.075	%100
60	M55	Z	0	0	%100
61	M58A	X	0	0	%100
62	M58A	Z	0	0	%100
63	M59A	X	2.999	2.999	%100
64	M59A	Z	0	0	%100
65	M63	X	1.336	1.336	%100
66	M63	Z	0	0	%100
67	M64	X	0	0	%100
68	M64	Z	0	0	%100
69	M66	X	0	0	%100
70	M66	Z	0	0	%100
71	M68	X	1.336	1.336	%100
72	M68	Z	0	0	%100
73	M69	X	4.069	4.069	%100
74	M69	Z	0	0	%100
75	M71	X	4.246	4.246	%100
76	M71	Z	0	0	%100
77	MP2A	X	3.407	3.407	%100
78	MP2A	Z	0	0	%100
79	MP3A	X	3.771	3.771	%100
80	MP3A	Z	0	0	%100
81	MP4A	X	3.407	3.407	%100
82	MP4A	Z	0	0	%100
83	M82	X	3.169	3.169	%100
84	M82	Z	0	0	%100
85	MP1C	X	3.407	3.407	%100
86	MP1C	Z	0	0	%100
87	MP2C	X	3.407	3.407	%100
88	MP2C	Z	0	0	%100
89	MP3C	X	3.771	3.771	%100
90	MP3C	Z	0	0	%100
91	MP4C	X	3.407	3.407	%100
92	MP4C	Z	0	0	%100
93	M91A	X	3.169	3.169	%100
94	M91A	Z	0	0	%100
95	MP1B	X	3.407	3.407	%100
96	MP1B	Z	0	0	%100
97	MP2B	X	3.407	3.407	%100
98	MP2B	Z	0	0	%100
99	MP3B	X	3.771	3.771	%100
100	MP3B	Z	0	0	%100
101	MP4B	X	3.407	3.407	%100
102	MP4B	Z	0	0	%100
103	M100	X	2.828	2.828	%100
104	M100	Z	0	0	%100
105	M105	X	2.828	2.828	%100
106	M105	Z	0	0	%100
107	M110	X	0	0	%100
108	M110	Z	0	0	%100
109	M121	X	3.128	3.128	%100
110	M121	Z	0	0	%100
111	M128	X	3.128	3.128	%100
112	M128	Z	0	0	%100
113	M135	X	0	0	%100
114	M135	Z	0	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
58	M54	Z	1.737	1.737	0	%100
59	M55	X	4.705	4.705	0	%100
60	M55	Z	2.716	2.716	0	%100
61	M58A	X	.866	.866	0	%100
62	M58A	Z	.5	.5	0	%100
63	M59A	X	.866	.866	0	%100
64	M59A	Z	.5	.5	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	1.174	1.174	0	%100
68	M64	Z	.678	.678	0	%100
69	M66	X	1.226	1.226	0	%100
70	M66	Z	.708	.708	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M69	X	1.174	1.174	0	%100
74	M69	Z	.678	.678	0	%100
75	M71	X	1.226	1.226	0	%100
76	M71	Z	.708	.708	0	%100
77	MP2A	X	2.951	2.951	0	%100
78	MP2A	Z	1.704	1.704	0	%100
79	MP3A	X	3.266	3.266	0	%100
80	MP3A	Z	1.885	1.885	0	%100
81	MP4A	X	2.951	2.951	0	%100
82	MP4A	Z	1.704	1.704	0	%100
83	M82	X	.915	.915	0	%100
84	M82	Z	.528	.528	0	%100
85	MP1C	X	2.951	2.951	0	%100
86	MP1C	Z	1.704	1.704	0	%100
87	MP2C	X	2.951	2.951	0	%100
88	MP2C	Z	1.704	1.704	0	%100
89	MP3C	X	3.266	3.266	0	%100
90	MP3C	Z	1.885	1.885	0	%100
91	MP4C	X	2.951	2.951	0	%100
92	MP4C	Z	1.704	1.704	0	%100
93	M91A	X	3.659	3.659	0	%100
94	M91A	Z	2.113	2.113	0	%100
95	MP1B	X	2.951	2.951	0	%100
96	MP1B	Z	1.704	1.704	0	%100
97	MP2B	X	2.951	2.951	0	%100
98	MP2B	Z	1.704	1.704	0	%100
99	MP3B	X	3.266	3.266	0	%100
100	MP3B	Z	1.885	1.885	0	%100
101	MP4B	X	2.951	2.951	0	%100
102	MP4B	Z	1.704	1.704	0	%100
103	M100	X	.816	.816	0	%100
104	M100	Z	.471	.471	0	%100
105	M105	X	3.266	3.266	0	%100
106	M105	Z	1.885	1.885	0	%100
107	M110	X	.816	.816	0	%100
108	M110	Z	.471	.471	0	%100
109	M121	X	.903	.903	0	%100
110	M121	Z	.521	.521	0	%100
111	M128	X	3.612	3.612	0	%100
112	M128	Z	2.085	2.085	0	%100
113	M135	X	.903	.903	0	%100
114	M135	Z	.521	.521	0	%100





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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	FACE	X	0	0	0	%100
2	FACE	Z	4.225	4.225	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.474	3.474	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	3.407	3.407	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	3.474	3.474	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	5.433	5.433	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	1	1	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	1	1	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	1.356	1.356	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	1.415	1.415	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	1.356	1.356	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	1.415	1.415	0	%100
29	M28	X	0	0	0	%100
30	M28	Z	3.199	3.199	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	.868	.868	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	.868	.868	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	1.358	1.358	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	1	1	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	3.998	3.998	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	4.008	4.008	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	1.356	1.356	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	1.415	1.415	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	4.008	4.008	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	5.425	5.425	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	5.662	5.662	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	3.199	3.199	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	.868	.868	0	%100
57	M54	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, %]
58	M54	Z	.868	.868	0 %100
59	M55	X	0	0	0 %100
60	M55	Z	1.358	1.358	0 %100
61	M58A	X	0	0	0 %100
62	M58A	Z	3.998	3.998	0 %100
63	M59A	X	0	0	0 %100
64	M59A	Z	1	1	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	4.008	4.008	0 %100
67	M64	X	0	0	0 %100
68	M64	Z	5.425	5.425	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	5.662	5.662	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	4.008	4.008	0 %100
73	M69	X	0	0	0 %100
74	M69	Z	1.356	1.356	0 %100
75	M71	X	0	0	0 %100
76	M71	Z	1.415	1.415	0 %100
77	MP2A	X	0	0	0 %100
78	MP2A	Z	3.407	3.407	0 %100
79	MP3A	X	0	0	0 %100
80	MP3A	Z	3.771	3.771	0 %100
81	MP4A	X	0	0	0 %100
82	MP4A	Z	3.407	3.407	0 %100
83	M82	X	0	0	0 %100
84	M82	Z	1.056	1.056	0 %100
85	MP1C	X	0	0	0 %100
86	MP1C	Z	3.407	3.407	0 %100
87	MP2C	X	0	0	0 %100
88	MP2C	Z	3.407	3.407	0 %100
89	MP3C	X	0	0	0 %100
90	MP3C	Z	3.771	3.771	0 %100
91	MP4C	X	0	0	0 %100
92	MP4C	Z	3.407	3.407	0 %100
93	M91A	X	0	0	0 %100
94	M91A	Z	1.056	1.056	0 %100
95	MP1B	X	0	0	0 %100
96	MP1B	Z	3.407	3.407	0 %100
97	MP2B	X	0	0	0 %100
98	MP2B	Z	3.407	3.407	0 %100
99	MP3B	X	0	0	0 %100
100	MP3B	Z	3.771	3.771	0 %100
101	MP4B	X	0	0	0 %100
102	MP4B	Z	3.407	3.407	0 %100
103	M100	X	0	0	0 %100
104	M100	Z	.943	.943	0 %100
105	M105	X	0	0	0 %100
106	M105	Z	.943	.943	0 %100
107	M110	X	0	0	0 %100
108	M110	Z	3.771	3.771	0 %100
109	M121	X	0	0	0 %100
110	M121	Z	1.043	1.043	0 %100
111	M128	X	0	0	0 %100
112	M128	Z	1.043	1.043	0 %100
113	M135	X	0	0	0 %100
114	M135	Z	4.171	4.171	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	FACE	X	-1.585	-1.585	0 %100
2	FACE	Z	2.744	2.744	0 %100
3	M4	X	-.533	-.533	0 %100
4	M4	Z	.923	.923	0 %100
5	M10	X	-1.303	-1.303	0 %100
6	M10	Z	2.256	2.256	0 %100
7	MP1A	X	-1.704	-1.704	0 %100
8	MP1A	Z	2.951	2.951	0 %100
9	M43	X	-1.303	-1.303	0 %100
10	M43	Z	2.256	2.256	0 %100
11	M46	X	-2.037	-2.037	0 %100
12	M46	Z	3.529	3.529	0 %100
13	M51B	X	-1.499	-1.499	0 %100
14	M51B	Z	2.597	2.597	0 %100
15	M52B	X	0	0	0 %100
16	M52B	Z	0	0	0 %100
17	M76	X	-.668	-.668	0 %100
18	M76	Z	1.157	1.157	0 %100
19	M77	X	-2.034	-2.034	0 %100
20	M77	Z	3.523	3.523	0 %100
21	M80	X	-2.123	-2.123	0 %100
22	M80	Z	3.677	3.677	0 %100
23	M84	X	-.668	-.668	0 %100
24	M84	Z	1.157	1.157	0 %100
25	M85	X	0	0	0 %100
26	M85	Z	0	0	0 %100
27	M91	X	0	0	0 %100
28	M91	Z	0	0	0 %100
29	M28	X	-.533	-.533	0 %100
30	M28	Z	.923	.923	0 %100
31	M29	X	-1.303	-1.303	0 %100
32	M29	Z	2.256	2.256	0 %100
33	M30	X	-1.303	-1.303	0 %100
34	M30	Z	2.256	2.256	0 %100
35	M31	X	-2.037	-2.037	0 %100
36	M31	Z	3.529	3.529	0 %100
37	M34	X	0	0	0 %100
38	M34	Z	0	0	0 %100
39	M35	X	-1.499	-1.499	0 %100
40	M35	Z	2.597	2.597	0 %100
41	M39	X	-.668	-.668	0 %100
42	M39	Z	1.157	1.157	0 %100
43	M40	X	0	0	0 %100
44	M40	Z	0	0	0 %100
45	M42	X	0	0	0 %100
46	M42	Z	0	0	0 %100
47	M44	X	-.668	-.668	0 %100
48	M44	Z	1.157	1.157	0 %100
49	M45	X	-2.034	-2.034	0 %100
50	M45	Z	3.523	3.523	0 %100
51	M47	X	-2.123	-2.123	0 %100
52	M47	Z	3.677	3.677	0 %100
53	M52A	X	-2.133	-2.133	0 %100
54	M52A	Z	3.694	3.694	0 %100
55	M53	X	0	0	0 %100
56	M53	Z	0	0	0 %100
57	M54	X	0	0	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
58	M54	Z	0	0	0	%100
59	M55	X	0	0	0	%100
60	M55	Z	0	0	0	%100
61	M58A	X	-1.499	-1.499	0	%100
62	M58A	Z	2.597	2.597	0	%100
63	M59A	X	-1.499	-1.499	0	%100
64	M59A	Z	2.597	2.597	0	%100
65	M63	X	-2.672	-2.672	0	%100
66	M63	Z	4.628	4.628	0	%100
67	M64	X	-2.034	-2.034	0	%100
68	M64	Z	3.523	3.523	0	%100
69	M66	X	-2.123	-2.123	0	%100
70	M66	Z	3.677	3.677	0	%100
71	M68	X	-2.672	-2.672	0	%100
72	M68	Z	4.628	4.628	0	%100
73	M69	X	-2.034	-2.034	0	%100
74	M69	Z	3.523	3.523	0	%100
75	M71	X	-2.123	-2.123	0	%100
76	M71	Z	3.677	3.677	0	%100
77	MP2A	X	-1.704	-1.704	0	%100
78	MP2A	Z	2.951	2.951	0	%100
79	MP3A	X	-1.885	-1.885	0	%100
80	MP3A	Z	3.266	3.266	0	%100
81	MP4A	X	-1.704	-1.704	0	%100
82	MP4A	Z	2.951	2.951	0	%100
83	M82	X	-1.585	-1.585	0	%100
84	M82	Z	2.744	2.744	0	%100
85	MP1C	X	-1.704	-1.704	0	%100
86	MP1C	Z	2.951	2.951	0	%100
87	MP2C	X	-1.704	-1.704	0	%100
88	MP2C	Z	2.951	2.951	0	%100
89	MP3C	X	-1.885	-1.885	0	%100
90	MP3C	Z	3.266	3.266	0	%100
91	MP4C	X	-1.704	-1.704	0	%100
92	MP4C	Z	2.951	2.951	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	MP1B	X	-1.704	-1.704	0	%100
96	MP1B	Z	2.951	2.951	0	%100
97	MP2B	X	-1.704	-1.704	0	%100
98	MP2B	Z	2.951	2.951	0	%100
99	MP3B	X	-1.885	-1.885	0	%100
100	MP3B	Z	3.266	3.266	0	%100
101	MP4B	X	-1.704	-1.704	0	%100
102	MP4B	Z	2.951	2.951	0	%100
103	M100	X	-1.414	-1.414	0	%100
104	M100	Z	2.449	2.449	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	-1.414	-1.414	0	%100
108	M110	Z	2.449	2.449	0	%100
109	M121	X	-1.564	-1.564	0	%100
110	M121	Z	2.709	2.709	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	M135	X	-1.564	-1.564	0	%100
114	M135	Z	2.709	2.709	0	%100





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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	M54	Z	.434	.434	0 %100
59	M55	X	-1.176	-1.176	0 %100
60	M55	Z	.679	.679	0 %100
61	M58A	X	-.866	-.866	0 %100
62	M58A	Z	.5	.5	0 %100
63	M59A	X	-3.462	-3.462	0 %100
64	M59A	Z	1.999	1.999	0 %100
65	M63	X	-3.471	-3.471	0 %100
66	M63	Z	2.004	2.004	0 %100
67	M64	X	-1.174	-1.174	0 %100
68	M64	Z	.678	.678	0 %100
69	M66	X	-1.226	-1.226	0 %100
70	M66	Z	.708	.708	0 %100
71	M68	X	-3.471	-3.471	0 %100
72	M68	Z	2.004	2.004	0 %100
73	M69	X	-4.698	-4.698	0 %100
74	M69	Z	2.712	2.712	0 %100
75	M71	X	-4.903	-4.903	0 %100
76	M71	Z	2.831	2.831	0 %100
77	MP2A	X	-2.951	-2.951	0 %100
78	MP2A	Z	1.704	1.704	0 %100
79	MP3A	X	-3.266	-3.266	0 %100
80	MP3A	Z	1.885	1.885	0 %100
81	MP4A	X	-2.951	-2.951	0 %100
82	MP4A	Z	1.704	1.704	0 %100
83	M82	X	-3.659	-3.659	0 %100
84	M82	Z	2.113	2.113	0 %100
85	MP1C	X	-2.951	-2.951	0 %100
86	MP1C	Z	1.704	1.704	0 %100
87	MP2C	X	-2.951	-2.951	0 %100
88	MP2C	Z	1.704	1.704	0 %100
89	MP3C	X	-3.266	-3.266	0 %100
90	MP3C	Z	1.885	1.885	0 %100
91	MP4C	X	-2.951	-2.951	0 %100
92	MP4C	Z	1.704	1.704	0 %100
93	M91A	X	-.915	-.915	0 %100
94	M91A	Z	.528	.528	0 %100
95	MP1B	X	-2.951	-2.951	0 %100
96	MP1B	Z	1.704	1.704	0 %100
97	MP2B	X	-2.951	-2.951	0 %100
98	MP2B	Z	1.704	1.704	0 %100
99	MP3B	X	-3.266	-3.266	0 %100
100	MP3B	Z	1.885	1.885	0 %100
101	MP4B	X	-2.951	-2.951	0 %100
102	MP4B	Z	1.704	1.704	0 %100
103	M100	X	-3.266	-3.266	0 %100
104	M100	Z	1.885	1.885	0 %100
105	M105	X	-.816	-.816	0 %100
106	M105	Z	.471	.471	0 %100
107	M110	X	-.816	-.816	0 %100
108	M110	Z	.471	.471	0 %100
109	M121	X	-3.612	-3.612	0 %100
110	M121	Z	2.085	2.085	0 %100
111	M128	X	-.903	-.903	0 %100
112	M128	Z	.521	.521	0 %100
113	M135	X	-.903	-.903	0 %100
114	M135	Z	.521	.521	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	FACE	X	0	0	%100
2	FACE	Z	0	0	%100
3	M4	X	-4.265	-4.265	%100
4	M4	Z	0	0	%100
5	M10	X	0	0	%100
6	M10	Z	0	0	%100
7	MP1A	X	-3.407	-3.407	%100
8	MP1A	Z	0	0	%100
9	M43	X	0	0	%100
10	M43	Z	0	0	%100
11	M46	X	0	0	%100
12	M46	Z	0	0	%100
13	M51B	X	-2.999	-2.999	%100
14	M51B	Z	0	0	%100
15	M52B	X	-2.999	-2.999	%100
16	M52B	Z	0	0	%100
17	M76	X	-5.344	-5.344	%100
18	M76	Z	0	0	%100
19	M77	X	-4.069	-4.069	%100
20	M77	Z	0	0	%100
21	M80	X	-4.246	-4.246	%100
22	M80	Z	0	0	%100
23	M84	X	-5.344	-5.344	%100
24	M84	Z	0	0	%100
25	M85	X	-4.069	-4.069	%100
26	M85	Z	0	0	%100
27	M91	X	-4.246	-4.246	%100
28	M91	Z	0	0	%100
29	M28	X	-1.066	-1.066	%100
30	M28	Z	0	0	%100
31	M29	X	-2.605	-2.605	%100
32	M29	Z	0	0	%100
33	M30	X	-2.605	-2.605	%100
34	M30	Z	0	0	%100
35	M31	X	-4.075	-4.075	%100
36	M31	Z	0	0	%100
37	M34	X	-2.999	-2.999	%100
38	M34	Z	0	0	%100
39	M35	X	0	0	%100
40	M35	Z	0	0	%100
41	M39	X	-1.336	-1.336	%100
42	M39	Z	0	0	%100
43	M40	X	-4.069	-4.069	%100
44	M40	Z	0	0	%100
45	M42	X	-4.246	-4.246	%100
46	M42	Z	0	0	%100
47	M44	X	-1.336	-1.336	%100
48	M44	Z	0	0	%100
49	M45	X	0	0	%100
50	M45	Z	0	0	%100
51	M47	X	0	0	%100
52	M47	Z	0	0	%100
53	M52A	X	-1.066	-1.066	%100
54	M52A	Z	0	0	%100
55	M53	X	-2.605	-2.605	%100
56	M53	Z	0	0	%100
57	M54	X	-2.605	-2.605	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
58	M54	Z	0	0	0	%100
59	M55	X	-4.075	-4.075	0	%100
60	M55	Z	0	0	0	%100
61	M58A	X	0	0	0	%100
62	M58A	Z	0	0	0	%100
63	M59A	X	-2.999	-2.999	0	%100
64	M59A	Z	0	0	0	%100
65	M63	X	-1.336	-1.336	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-1.336	-1.336	0	%100
72	M68	Z	0	0	0	%100
73	M69	X	-4.069	-4.069	0	%100
74	M69	Z	0	0	0	%100
75	M71	X	-4.246	-4.246	0	%100
76	M71	Z	0	0	0	%100
77	MP2A	X	-3.407	-3.407	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	-3.771	-3.771	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-3.407	-3.407	0	%100
82	MP4A	Z	0	0	0	%100
83	M82	X	-3.169	-3.169	0	%100
84	M82	Z	0	0	0	%100
85	MP1C	X	-3.407	-3.407	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	-3.407	-3.407	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-3.771	-3.771	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-3.407	-3.407	0	%100
92	MP4C	Z	0	0	0	%100
93	M91A	X	-3.169	-3.169	0	%100
94	M91A	Z	0	0	0	%100
95	MP1B	X	-3.407	-3.407	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-3.407	-3.407	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-3.771	-3.771	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-3.407	-3.407	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	-2.828	-2.828	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	-2.828	-2.828	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	-3.128	-3.128	0	%100
110	M121	Z	0	0	0	%100
111	M128	X	-3.128	-3.128	0	%100
112	M128	Z	0	0	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	0	0	0	%100







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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	M54	Z	-1.737	-1.737	0 %100
59	M55	X	-4.705	-4.705	0 %100
60	M55	Z	-2.716	-2.716	0 %100
61	M58A	X	-.866	-.866	0 %100
62	M58A	Z	-.5	-.5	0 %100
63	M59A	X	-.866	-.866	0 %100
64	M59A	Z	-.5	-.5	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	0	0	0 %100
67	M64	X	-1.174	-1.174	0 %100
68	M64	Z	-.678	-.678	0 %100
69	M66	X	-1.226	-1.226	0 %100
70	M66	Z	-.708	-.708	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M69	X	-1.174	-1.174	0 %100
74	M69	Z	-.678	-.678	0 %100
75	M71	X	-1.226	-1.226	0 %100
76	M71	Z	-.708	-.708	0 %100
77	MP2A	X	-2.951	-2.951	0 %100
78	MP2A	Z	-1.704	-1.704	0 %100
79	MP3A	X	-3.266	-3.266	0 %100
80	MP3A	Z	-1.885	-1.885	0 %100
81	MP4A	X	-2.951	-2.951	0 %100
82	MP4A	Z	-1.704	-1.704	0 %100
83	M82	X	-.915	-.915	0 %100
84	M82	Z	-.528	-.528	0 %100
85	MP1C	X	-2.951	-2.951	0 %100
86	MP1C	Z	-1.704	-1.704	0 %100
87	MP2C	X	-2.951	-2.951	0 %100
88	MP2C	Z	-1.704	-1.704	0 %100
89	MP3C	X	-3.266	-3.266	0 %100
90	MP3C	Z	-1.885	-1.885	0 %100
91	MP4C	X	-2.951	-2.951	0 %100
92	MP4C	Z	-1.704	-1.704	0 %100
93	M91A	X	-3.659	-3.659	0 %100
94	M91A	Z	-2.113	-2.113	0 %100
95	MP1B	X	-2.951	-2.951	0 %100
96	MP1B	Z	-1.704	-1.704	0 %100
97	MP2B	X	-2.951	-2.951	0 %100
98	MP2B	Z	-1.704	-1.704	0 %100
99	MP3B	X	-3.266	-3.266	0 %100
100	MP3B	Z	-1.885	-1.885	0 %100
101	MP4B	X	-2.951	-2.951	0 %100
102	MP4B	Z	-1.704	-1.704	0 %100
103	M100	X	-.816	-.816	0 %100
104	M100	Z	-.471	-.471	0 %100
105	M105	X	-3.266	-3.266	0 %100
106	M105	Z	-1.885	-1.885	0 %100
107	M110	X	-.816	-.816	0 %100
108	M110	Z	-.471	-.471	0 %100
109	M121	X	-.903	-.903	0 %100
110	M121	Z	-.521	-.521	0 %100
111	M128	X	-3.612	-3.612	0 %100
112	M128	Z	-2.085	-2.085	0 %100
113	M135	X	-.903	-.903	0 %100
114	M135	Z	-.521	-.521	0 %100





Company :  
 Designer :  
 Job Number :  
 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M54	Z	-2.256	-2.256	0 %100
59	M55	X	-2.037	-2.037	0 %100
60	M55	Z	-3.529	-3.529	0 %100
61	M58A	X	-1.499	-1.499	0 %100
62	M58A	Z	-2.597	-2.597	0 %100
63	M59A	X	0	0	0 %100
64	M59A	Z	0	0	0 %100
65	M63	X	-.668	-.668	0 %100
66	M63	Z	-1.157	-1.157	0 %100
67	M64	X	-2.034	-2.034	0 %100
68	M64	Z	-3.523	-3.523	0 %100
69	M66	X	-2.123	-2.123	0 %100
70	M66	Z	-3.677	-3.677	0 %100
71	M68	X	-.668	-.668	0 %100
72	M68	Z	-1.157	-1.157	0 %100
73	M69	X	0	0	0 %100
74	M69	Z	0	0	0 %100
75	M71	X	0	0	0 %100
76	M71	Z	0	0	0 %100
77	MP2A	X	-1.704	-1.704	0 %100
78	MP2A	Z	-2.951	-2.951	0 %100
79	MP3A	X	-1.885	-1.885	0 %100
80	MP3A	Z	-3.266	-3.266	0 %100
81	MP4A	X	-1.704	-1.704	0 %100
82	MP4A	Z	-2.951	-2.951	0 %100
83	M82	X	0	0	0 %100
84	M82	Z	0	0	0 %100
85	MP1C	X	-1.704	-1.704	0 %100
86	MP1C	Z	-2.951	-2.951	0 %100
87	MP2C	X	-1.704	-1.704	0 %100
88	MP2C	Z	-2.951	-2.951	0 %100
89	MP3C	X	-1.885	-1.885	0 %100
90	MP3C	Z	-3.266	-3.266	0 %100
91	MP4C	X	-1.704	-1.704	0 %100
92	MP4C	Z	-2.951	-2.951	0 %100
93	M91A	X	-1.585	-1.585	0 %100
94	M91A	Z	-2.744	-2.744	0 %100
95	MP1B	X	-1.704	-1.704	0 %100
96	MP1B	Z	-2.951	-2.951	0 %100
97	MP2B	X	-1.704	-1.704	0 %100
98	MP2B	Z	-2.951	-2.951	0 %100
99	MP3B	X	-1.885	-1.885	0 %100
100	MP3B	Z	-3.266	-3.266	0 %100
101	MP4B	X	-1.704	-1.704	0 %100
102	MP4B	Z	-2.951	-2.951	0 %100
103	M100	X	0	0	0 %100
104	M100	Z	0	0	0 %100
105	M105	X	-1.414	-1.414	0 %100
106	M105	Z	-2.449	-2.449	0 %100
107	M110	X	-1.414	-1.414	0 %100
108	M110	Z	-2.449	-2.449	0 %100
109	M121	X	0	0	0 %100
110	M121	Z	0	0	0 %100
111	M128	X	-1.564	-1.564	0 %100
112	M128	Z	-2.709	-2.709	0 %100
113	M135	X	-1.564	-1.564	0 %100
114	M135	Z	-2.709	-2.709	0 %100



Company :  
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 Model Name :

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**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	FACE	X	0	0	0	%100
2	FACE	Z	-0.886	-0.886	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-0.788	-0.788	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-0.622	-0.622	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-0.788	-0.788	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-1.571	-1.571	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-0.218	-0.218	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-0.218	-0.218	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-0.4	-0.4	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-0.421	-0.421	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-0.4	-0.4	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-0.421	-0.421	0	%100
29	M28	X	0	0	0	%100
30	M28	Z	-0.698	-0.698	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	-0.197	-0.197	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	-0.197	-0.197	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	-0.393	-0.393	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	-0.218	-0.218	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	-0.872	-0.872	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-1.178	-1.178	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-0.4	-0.4	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-0.421	-0.421	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-1.178	-1.178	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-1.6	-1.6	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-1.685	-1.685	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	-0.698	-0.698	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	-0.197	-0.197	0	%100
57	M54	X	0	0	0	%100







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

Member Label	Direction	Start Magnitude[lb/ft,....	End Magnitude[lb/ft,F...	Start Location[ft,.%]	End Location[ft,.%]
58	M54	Z	0	0	0 %100
59	M55	X	0	0	0 %100
60	M55	Z	0	0	0 %100
61	M58A	X	.327	.327	0 %100
62	M58A	Z	-.567	-.567	0 %100
63	M59A	X	.327	.327	0 %100
64	M59A	Z	-.567	-.567	0 %100
65	M63	X	.786	.786	0 %100
66	M63	Z	-1.361	-1.361	0 %100
67	M64	X	.6	.6	0 %100
68	M64	Z	-1.039	-1.039	0 %100
69	M66	X	.632	.632	0 %100
70	M66	Z	-1.095	-1.095	0 %100
71	M68	X	.786	.786	0 %100
72	M68	Z	-1.361	-1.361	0 %100
73	M69	X	.6	.6	0 %100
74	M69	Z	-1.039	-1.039	0 %100
75	M71	X	.632	.632	0 %100
76	M71	Z	-1.095	-1.095	0 %100
77	MP2A	X	.311	.311	0 %100
78	MP2A	Z	-.539	-.539	0 %100
79	MP3A	X	.376	.376	0 %100
80	MP3A	Z	-.652	-.652	0 %100
81	MP4A	X	.311	.311	0 %100
82	MP4A	Z	-.539	-.539	0 %100
83	M82	X	.332	.332	0 %100
84	M82	Z	-.575	-.575	0 %100
85	MP1C	X	.311	.311	0 %100
86	MP1C	Z	-.539	-.539	0 %100
87	MP2C	X	.311	.311	0 %100
88	MP2C	Z	-.539	-.539	0 %100
89	MP3C	X	.376	.376	0 %100
90	MP3C	Z	-.652	-.652	0 %100
91	MP4C	X	.311	.311	0 %100
92	MP4C	Z	-.539	-.539	0 %100
93	M91A	X	0	0	0 %100
94	M91A	Z	0	0	0 %100
95	MP1B	X	.311	.311	0 %100
96	MP1B	Z	-.539	-.539	0 %100
97	MP2B	X	.311	.311	0 %100
98	MP2B	Z	-.539	-.539	0 %100
99	MP3B	X	.376	.376	0 %100
100	MP3B	Z	-.652	-.652	0 %100
101	MP4B	X	.311	.311	0 %100
102	MP4B	Z	-.539	-.539	0 %100
103	M100	X	.282	.282	0 %100
104	M100	Z	-.489	-.489	0 %100
105	M105	X	0	0	0 %100
106	M105	Z	0	0	0 %100
107	M110	X	.282	.282	0 %100
108	M110	Z	-.489	-.489	0 %100
109	M121	X	.379	.379	0 %100
110	M121	Z	-.657	-.657	0 %100
111	M128	X	0	0	0 %100
112	M128	Z	0	0	0 %100
113	M135	X	.379	.379	0 %100
114	M135	Z	-.657	-.657	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	FACE	X	.192	.192	0 %100
2	FACE	Z	-.111	-.111	0 %100
3	M4	X	.605	.605	0 %100
4	M4	Z	-.349	-.349	0 %100
5	M10	X	.171	.171	0 %100
6	M10	Z	-.098	-.098	0 %100
7	MP1A	X	.539	.539	0 %100
8	MP1A	Z	-.311	-.311	0 %100
9	M43	X	.171	.171	0 %100
10	M43	Z	-.098	-.098	0 %100
11	M46	X	.34	.34	0 %100
12	M46	Z	-.196	-.196	0 %100
13	M51B	X	.756	.756	0 %100
14	M51B	Z	-.436	-.436	0 %100
15	M52B	X	.189	.189	0 %100
16	M52B	Z	-.109	-.109	0 %100
17	M76	X	1.02	1.02	0 %100
18	M76	Z	-.589	-.589	0 %100
19	M77	X	1.386	1.386	0 %100
20	M77	Z	-.8	-.8	0 %100
21	M80	X	1.46	1.46	0 %100
22	M80	Z	-.843	-.843	0 %100
23	M84	X	1.02	1.02	0 %100
24	M84	Z	-.589	-.589	0 %100
25	M85	X	.346	.346	0 %100
26	M85	Z	-.2	-.2	0 %100
27	M91	X	.365	.365	0 %100
28	M91	Z	-.211	-.211	0 %100
29	M28	X	0	0	0 %100
30	M28	Z	0	0	0 %100
31	M29	X	.682	.682	0 %100
32	M29	Z	-.394	-.394	0 %100
33	M30	X	.682	.682	0 %100
34	M30	Z	-.394	-.394	0 %100
35	M31	X	1.361	1.361	0 %100
36	M31	Z	-.786	-.786	0 %100
37	M34	X	.189	.189	0 %100
38	M34	Z	-.109	-.109	0 %100
39	M35	X	.189	.189	0 %100
40	M35	Z	-.109	-.109	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	0	0	0 %100
43	M40	X	.346	.346	0 %100
44	M40	Z	-.2	-.2	0 %100
45	M42	X	.365	.365	0 %100
46	M42	Z	-.211	-.211	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	0	0	0 %100
49	M45	X	.346	.346	0 %100
50	M45	Z	-.2	-.2	0 %100
51	M47	X	.365	.365	0 %100
52	M47	Z	-.211	-.211	0 %100
53	M52A	X	.605	.605	0 %100
54	M52A	Z	-.349	-.349	0 %100
55	M53	X	.171	.171	0 %100
56	M53	Z	-.098	-.098	0 %100
57	M54	X	.171	.171	0 %100







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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	FACE	X	0	0	%100
2	FACE	Z	0	0	%100
3	M4	X	.931	.931	0
4	M4	Z	0	0	%100
5	M10	X	0	0	%100
6	M10	Z	0	0	%100
7	MP1A	X	.622	.622	0
8	MP1A	Z	0	0	%100
9	M43	X	0	0	%100
10	M43	Z	0	0	%100
11	M46	X	0	0	%100
12	M46	Z	0	0	%100
13	M51B	X	.654	.654	0
14	M51B	Z	0	0	%100
15	M52B	X	.654	.654	0
16	M52B	Z	0	0	%100
17	M76	X	1.571	1.571	0
18	M76	Z	0	0	%100
19	M77	X	1.2	1.2	0
20	M77	Z	0	0	%100
21	M80	X	1.264	1.264	0
22	M80	Z	0	0	%100
23	M84	X	1.571	1.571	0
24	M84	Z	0	0	%100
25	M85	X	1.2	1.2	0
26	M85	Z	0	0	%100
27	M91	X	1.264	1.264	0
28	M91	Z	0	0	%100
29	M28	X	.233	.233	0
30	M28	Z	0	0	%100
31	M29	X	.591	.591	0
32	M29	Z	0	0	%100
33	M30	X	.591	.591	0
34	M30	Z	0	0	%100
35	M31	X	1.178	1.178	0
36	M31	Z	0	0	%100
37	M34	X	.654	.654	0
38	M34	Z	0	0	%100
39	M35	X	0	0	%100
40	M35	Z	0	0	%100
41	M39	X	.393	.393	0
42	M39	Z	0	0	%100
43	M40	X	1.2	1.2	0
44	M40	Z	0	0	%100
45	M42	X	1.264	1.264	0
46	M42	Z	0	0	%100
47	M44	X	.393	.393	0
48	M44	Z	0	0	%100
49	M45	X	0	0	%100
50	M45	Z	0	0	%100
51	M47	X	0	0	%100
52	M47	Z	0	0	%100
53	M52A	X	.233	.233	0
54	M52A	Z	0	0	%100
55	M53	X	.591	.591	0
56	M53	Z	0	0	%100
57	M54	X	.591	.591	0



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
58	M54	Z	0	0	0	%100
59	M55	X	1.178	1.178	0	%100
60	M55	Z	0	0	0	%100
61	M58A	X	0	0	0	%100
62	M58A	Z	0	0	0	%100
63	M59A	X	.654	.654	0	%100
64	M59A	Z	0	0	0	%100
65	M63	X	.393	.393	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	.393	.393	0	%100
72	M68	Z	0	0	0	%100
73	M69	X	1.2	1.2	0	%100
74	M69	Z	0	0	0	%100
75	M71	X	1.264	1.264	0	%100
76	M71	Z	0	0	0	%100
77	MP2A	X	.622	.622	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	.753	.753	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	.622	.622	0	%100
82	MP4A	Z	0	0	0	%100
83	M82	X	.664	.664	0	%100
84	M82	Z	0	0	0	%100
85	MP1C	X	.622	.622	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	.622	.622	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	.753	.753	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	.622	.622	0	%100
92	MP4C	Z	0	0	0	%100
93	M91A	X	.664	.664	0	%100
94	M91A	Z	0	0	0	%100
95	MP1B	X	.622	.622	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	.622	.622	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	.753	.753	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	.622	.622	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	.565	.565	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	.565	.565	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	.759	.759	0	%100
110	M121	Z	0	0	0	%100
111	M128	X	.759	.759	0	%100
112	M128	Z	0	0	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	FACE	X	.192	.192	0 %100
2	FACE	Z	.111	.111	0 %100
3	M4	X	.605	.605	0 %100
4	M4	Z	.349	.349	0 %100
5	M10	X	.171	.171	0 %100
6	M10	Z	.098	.098	0 %100
7	MP1A	X	.539	.539	0 %100
8	MP1A	Z	.311	.311	0 %100
9	M43	X	.171	.171	0 %100
10	M43	Z	.098	.098	0 %100
11	M46	X	.34	.34	0 %100
12	M46	Z	.196	.196	0 %100
13	M51B	X	.189	.189	0 %100
14	M51B	Z	.109	.109	0 %100
15	M52B	X	.756	.756	0 %100
16	M52B	Z	.436	.436	0 %100
17	M76	X	1.02	1.02	0 %100
18	M76	Z	.589	.589	0 %100
19	M77	X	.346	.346	0 %100
20	M77	Z	.2	.2	0 %100
21	M80	X	.365	.365	0 %100
22	M80	Z	.211	.211	0 %100
23	M84	X	1.02	1.02	0 %100
24	M84	Z	.589	.589	0 %100
25	M85	X	1.386	1.386	0 %100
26	M85	Z	.8	.8	0 %100
27	M91	X	1.46	1.46	0 %100
28	M91	Z	.843	.843	0 %100
29	M28	X	.605	.605	0 %100
30	M28	Z	.349	.349	0 %100
31	M29	X	.171	.171	0 %100
32	M29	Z	.098	.098	0 %100
33	M30	X	.171	.171	0 %100
34	M30	Z	.098	.098	0 %100
35	M31	X	.34	.34	0 %100
36	M31	Z	.196	.196	0 %100
37	M34	X	.756	.756	0 %100
38	M34	Z	.436	.436	0 %100
39	M35	X	.189	.189	0 %100
40	M35	Z	.109	.109	0 %100
41	M39	X	1.02	1.02	0 %100
42	M39	Z	.589	.589	0 %100
43	M40	X	1.386	1.386	0 %100
44	M40	Z	.8	.8	0 %100
45	M42	X	1.46	1.46	0 %100
46	M42	Z	.843	.843	0 %100
47	M44	X	1.02	1.02	0 %100
48	M44	Z	.589	.589	0 %100
49	M45	X	.346	.346	0 %100
50	M45	Z	.2	.2	0 %100
51	M47	X	.365	.365	0 %100
52	M47	Z	.211	.211	0 %100
53	M52A	X	0	0	0 %100
54	M52A	Z	0	0	0 %100
55	M53	X	.682	.682	0 %100
56	M53	Z	.394	.394	0 %100
57	M54	X	.682	.682	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M54	Z	.394	.394	0 %100
59	M55	X	1.361	1.361	0 %100
60	M55	Z	.786	.786	0 %100
61	M58A	X	.189	.189	0 %100
62	M58A	Z	.109	.109	0 %100
63	M59A	X	.189	.189	0 %100
64	M59A	Z	.109	.109	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	0	0	0 %100
67	M64	X	.346	.346	0 %100
68	M64	Z	.2	.2	0 %100
69	M66	X	.365	.365	0 %100
70	M66	Z	.211	.211	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M69	X	.346	.346	0 %100
74	M69	Z	.2	.2	0 %100
75	M71	X	.365	.365	0 %100
76	M71	Z	.211	.211	0 %100
77	MP2A	X	.539	.539	0 %100
78	MP2A	Z	.311	.311	0 %100
79	MP3A	X	.652	.652	0 %100
80	MP3A	Z	.376	.376	0 %100
81	MP4A	X	.539	.539	0 %100
82	MP4A	Z	.311	.311	0 %100
83	M82	X	.192	.192	0 %100
84	M82	Z	.111	.111	0 %100
85	MP1C	X	.539	.539	0 %100
86	MP1C	Z	.311	.311	0 %100
87	MP2C	X	.539	.539	0 %100
88	MP2C	Z	.311	.311	0 %100
89	MP3C	X	.652	.652	0 %100
90	MP3C	Z	.376	.376	0 %100
91	MP4C	X	.539	.539	0 %100
92	MP4C	Z	.311	.311	0 %100
93	M91A	X	.767	.767	0 %100
94	M91A	Z	.443	.443	0 %100
95	MP1B	X	.539	.539	0 %100
96	MP1B	Z	.311	.311	0 %100
97	MP2B	X	.539	.539	0 %100
98	MP2B	Z	.311	.311	0 %100
99	MP3B	X	.652	.652	0 %100
100	MP3B	Z	.376	.376	0 %100
101	MP4B	X	.539	.539	0 %100
102	MP4B	Z	.311	.311	0 %100
103	M100	X	.163	.163	0 %100
104	M100	Z	.094	.094	0 %100
105	M105	X	.652	.652	0 %100
106	M105	Z	.376	.376	0 %100
107	M110	X	.163	.163	0 %100
108	M110	Z	.094	.094	0 %100
109	M121	X	.219	.219	0 %100
110	M121	Z	.126	.126	0 %100
111	M128	X	.876	.876	0 %100
112	M128	Z	.506	.506	0 %100
113	M135	X	.219	.219	0 %100
114	M135	Z	.126	.126	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	FACE	X	.332	.332	0 %100
2	FACE	Z	.575	.575	0 %100
3	M4	X	.116	.116	0 %100
4	M4	Z	.202	.202	0 %100
5	M10	X	.295	.295	0 %100
6	M10	Z	.512	.512	0 %100
7	MP1A	X	.311	.311	0 %100
8	MP1A	Z	.539	.539	0 %100
9	M43	X	.295	.295	0 %100
10	M43	Z	.512	.512	0 %100
11	M46	X	.589	.589	0 %100
12	M46	Z	1.02	1.02	0 %100
13	M51B	X	0	0	0 %100
14	M51B	Z	0	0	0 %100
15	M52B	X	.327	.327	0 %100
16	M52B	Z	.567	.567	0 %100
17	M76	X	.196	.196	0 %100
18	M76	Z	.34	.34	0 %100
19	M77	X	0	0	0 %100
20	M77	Z	0	0	0 %100
21	M80	X	0	0	0 %100
22	M80	Z	0	0	0 %100
23	M84	X	.196	.196	0 %100
24	M84	Z	.34	.34	0 %100
25	M85	X	.6	.6	0 %100
26	M85	Z	1.039	1.039	0 %100
27	M91	X	.632	.632	0 %100
28	M91	Z	1.095	1.095	0 %100
29	M28	X	.465	.465	0 %100
30	M28	Z	.806	.806	0 %100
31	M29	X	0	0	0 %100
32	M29	Z	0	0	0 %100
33	M30	X	0	0	0 %100
34	M30	Z	0	0	0 %100
35	M31	X	0	0	0 %100
36	M31	Z	0	0	0 %100
37	M34	X	.327	.327	0 %100
38	M34	Z	.567	.567	0 %100
39	M35	X	.327	.327	0 %100
40	M35	Z	.567	.567	0 %100
41	M39	X	.786	.786	0 %100
42	M39	Z	1.361	1.361	0 %100
43	M40	X	.6	.6	0 %100
44	M40	Z	1.039	1.039	0 %100
45	M42	X	.632	.632	0 %100
46	M42	Z	1.095	1.095	0 %100
47	M44	X	.786	.786	0 %100
48	M44	Z	1.361	1.361	0 %100
49	M45	X	.6	.6	0 %100
50	M45	Z	1.039	1.039	0 %100
51	M47	X	.632	.632	0 %100
52	M47	Z	1.095	1.095	0 %100
53	M52A	X	.116	.116	0 %100
54	M52A	Z	.202	.202	0 %100
55	M53	X	.295	.295	0 %100
56	M53	Z	.512	.512	0 %100
57	M54	X	.295	.295	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, %]
58	M54	Z	.512	.512	0 %100
59	M55	X	.589	.589	0 %100
60	M55	Z	1.02	1.02	0 %100
61	M58A	X	.327	.327	0 %100
62	M58A	Z	.567	.567	0 %100
63	M59A	X	0	0	0 %100
64	M59A	Z	0	0	0 %100
65	M63	X	.196	.196	0 %100
66	M63	Z	.34	.34	0 %100
67	M64	X	.6	.6	0 %100
68	M64	Z	1.039	1.039	0 %100
69	M66	X	.632	.632	0 %100
70	M66	Z	1.095	1.095	0 %100
71	M68	X	.196	.196	0 %100
72	M68	Z	.34	.34	0 %100
73	M69	X	0	0	0 %100
74	M69	Z	0	0	0 %100
75	M71	X	0	0	0 %100
76	M71	Z	0	0	0 %100
77	MP2A	X	.311	.311	0 %100
78	MP2A	Z	.539	.539	0 %100
79	MP3A	X	.376	.376	0 %100
80	MP3A	Z	.652	.652	0 %100
81	MP4A	X	.311	.311	0 %100
82	MP4A	Z	.539	.539	0 %100
83	M82	X	0	0	0 %100
84	M82	Z	0	0	0 %100
85	MP1C	X	.311	.311	0 %100
86	MP1C	Z	.539	.539	0 %100
87	MP2C	X	.311	.311	0 %100
88	MP2C	Z	.539	.539	0 %100
89	MP3C	X	.376	.376	0 %100
90	MP3C	Z	.652	.652	0 %100
91	MP4C	X	.311	.311	0 %100
92	MP4C	Z	.539	.539	0 %100
93	M91A	X	.332	.332	0 %100
94	M91A	Z	.575	.575	0 %100
95	MP1B	X	.311	.311	0 %100
96	MP1B	Z	.539	.539	0 %100
97	MP2B	X	.311	.311	0 %100
98	MP2B	Z	.539	.539	0 %100
99	MP3B	X	.376	.376	0 %100
100	MP3B	Z	.652	.652	0 %100
101	MP4B	X	.311	.311	0 %100
102	MP4B	Z	.539	.539	0 %100
103	M100	X	0	0	0 %100
104	M100	Z	0	0	0 %100
105	M105	X	.282	.282	0 %100
106	M105	Z	.489	.489	0 %100
107	M110	X	.282	.282	0 %100
108	M110	Z	.489	.489	0 %100
109	M121	X	0	0	0 %100
110	M121	Z	0	0	0 %100
111	M128	X	.379	.379	0 %100
112	M128	Z	.657	.657	0 %100
113	M135	X	.379	.379	0 %100
114	M135	Z	.657	.657	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	FACE	X	0	0	%100
2	FACE	Z	.886	.886	%100
3	M4	X	0	0	%100
4	M4	Z	0	0	%100
5	M10	X	0	0	%100
6	M10	Z	.788	.788	%100
7	MP1A	X	0	0	%100
8	MP1A	Z	.622	.622	%100
9	M43	X	0	0	%100
10	M43	Z	.788	.788	%100
11	M46	X	0	0	%100
12	M46	Z	1.571	1.571	%100
13	M51B	X	0	0	%100
14	M51B	Z	.218	.218	%100
15	M52B	X	0	0	%100
16	M52B	Z	.218	.218	%100
17	M76	X	0	0	%100
18	M76	Z	0	0	%100
19	M77	X	0	0	%100
20	M77	Z	.4	.4	%100
21	M80	X	0	0	%100
22	M80	Z	.421	.421	%100
23	M84	X	0	0	%100
24	M84	Z	0	0	%100
25	M85	X	0	0	%100
26	M85	Z	.4	.4	%100
27	M91	X	0	0	%100
28	M91	Z	.421	.421	%100
29	M28	X	0	0	%100
30	M28	Z	.698	.698	%100
31	M29	X	0	0	%100
32	M29	Z	.197	.197	%100
33	M30	X	0	0	%100
34	M30	Z	.197	.197	%100
35	M31	X	0	0	%100
36	M31	Z	.393	.393	%100
37	M34	X	0	0	%100
38	M34	Z	.218	.218	%100
39	M35	X	0	0	%100
40	M35	Z	.872	.872	%100
41	M39	X	0	0	%100
42	M39	Z	1.178	1.178	%100
43	M40	X	0	0	%100
44	M40	Z	.4	.4	%100
45	M42	X	0	0	%100
46	M42	Z	.421	.421	%100
47	M44	X	0	0	%100
48	M44	Z	1.178	1.178	%100
49	M45	X	0	0	%100
50	M45	Z	1.6	1.6	%100
51	M47	X	0	0	%100
52	M47	Z	1.685	1.685	%100
53	M52A	X	0	0	%100
54	M52A	Z	.698	.698	%100
55	M53	X	0	0	%100
56	M53	Z	.197	.197	%100
57	M54	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, %]
58	M54	Z	.197	.197	0 %100
59	M55	X	0	0	0 %100
60	M55	Z	.393	.393	0 %100
61	M58A	X	0	0	0 %100
62	M58A	Z	.872	.872	0 %100
63	M59A	X	0	0	0 %100
64	M59A	Z	.218	.218	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	1.178	1.178	0 %100
67	M64	X	0	0	0 %100
68	M64	Z	1.6	1.6	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	1.685	1.685	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	1.178	1.178	0 %100
73	M69	X	0	0	0 %100
74	M69	Z	.4	.4	0 %100
75	M71	X	0	0	0 %100
76	M71	Z	.421	.421	0 %100
77	MP2A	X	0	0	0 %100
78	MP2A	Z	.622	.622	0 %100
79	MP3A	X	0	0	0 %100
80	MP3A	Z	.753	.753	0 %100
81	MP4A	X	0	0	0 %100
82	MP4A	Z	.622	.622	0 %100
83	M82	X	0	0	0 %100
84	M82	Z	.221	.221	0 %100
85	MP1C	X	0	0	0 %100
86	MP1C	Z	.622	.622	0 %100
87	MP2C	X	0	0	0 %100
88	MP2C	Z	.622	.622	0 %100
89	MP3C	X	0	0	0 %100
90	MP3C	Z	.753	.753	0 %100
91	MP4C	X	0	0	0 %100
92	MP4C	Z	.622	.622	0 %100
93	M91A	X	0	0	0 %100
94	M91A	Z	.221	.221	0 %100
95	MP1B	X	0	0	0 %100
96	MP1B	Z	.622	.622	0 %100
97	MP2B	X	0	0	0 %100
98	MP2B	Z	.622	.622	0 %100
99	MP3B	X	0	0	0 %100
100	MP3B	Z	.753	.753	0 %100
101	MP4B	X	0	0	0 %100
102	MP4B	Z	.622	.622	0 %100
103	M100	X	0	0	0 %100
104	M100	Z	.188	.188	0 %100
105	M105	X	0	0	0 %100
106	M105	Z	.188	.188	0 %100
107	M110	X	0	0	0 %100
108	M110	Z	.753	.753	0 %100
109	M121	X	0	0	0 %100
110	M121	Z	.253	.253	0 %100
111	M128	X	0	0	0 %100
112	M128	Z	.253	.253	0 %100
113	M135	X	0	0	0 %100
114	M135	Z	1.012	1.012	0 %100



Company :  
 Designer :  
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 Model Name :

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**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	FACE	X	-.332	-.332	0 %100
2	FACE	Z	.575	.575	0 %100
3	M4	X	-.116	-.116	0 %100
4	M4	Z	.202	.202	0 %100
5	M10	X	-.295	-.295	0 %100
6	M10	Z	.512	.512	0 %100
7	MP1A	X	-.311	-.311	0 %100
8	MP1A	Z	.539	.539	0 %100
9	M43	X	-.295	-.295	0 %100
10	M43	Z	.512	.512	0 %100
11	M46	X	-.589	-.589	0 %100
12	M46	Z	1.02	1.02	0 %100
13	M51B	X	-.327	-.327	0 %100
14	M51B	Z	.567	.567	0 %100
15	M52B	X	0	0	0 %100
16	M52B	Z	0	0	0 %100
17	M76	X	-.196	-.196	0 %100
18	M76	Z	.34	.34	0 %100
19	M77	X	-.6	-.6	0 %100
20	M77	Z	1.039	1.039	0 %100
21	M80	X	-.632	-.632	0 %100
22	M80	Z	1.095	1.095	0 %100
23	M84	X	-.196	-.196	0 %100
24	M84	Z	.34	.34	0 %100
25	M85	X	0	0	0 %100
26	M85	Z	0	0	0 %100
27	M91	X	0	0	0 %100
28	M91	Z	0	0	0 %100
29	M28	X	-.116	-.116	0 %100
30	M28	Z	.202	.202	0 %100
31	M29	X	-.295	-.295	0 %100
32	M29	Z	.512	.512	0 %100
33	M30	X	-.295	-.295	0 %100
34	M30	Z	.512	.512	0 %100
35	M31	X	-.589	-.589	0 %100
36	M31	Z	1.02	1.02	0 %100
37	M34	X	0	0	0 %100
38	M34	Z	0	0	0 %100
39	M35	X	-.327	-.327	0 %100
40	M35	Z	.567	.567	0 %100
41	M39	X	-.196	-.196	0 %100
42	M39	Z	.34	.34	0 %100
43	M40	X	0	0	0 %100
44	M40	Z	0	0	0 %100
45	M42	X	0	0	0 %100
46	M42	Z	0	0	0 %100
47	M44	X	-.196	-.196	0 %100
48	M44	Z	.34	.34	0 %100
49	M45	X	-.6	-.6	0 %100
50	M45	Z	1.039	1.039	0 %100
51	M47	X	-.632	-.632	0 %100
52	M47	Z	1.095	1.095	0 %100
53	M52A	X	-.465	-.465	0 %100
54	M52A	Z	.806	.806	0 %100
55	M53	X	0	0	0 %100
56	M53	Z	0	0	0 %100
57	M54	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.%]	
58	M54	Z	0	0	0	%100
59	M55	X	0	0	0	%100
60	M55	Z	0	0	0	%100
61	M58A	X	-.327	-.327	0	%100
62	M58A	Z	.567	.567	0	%100
63	M59A	X	-.327	-.327	0	%100
64	M59A	Z	.567	.567	0	%100
65	M63	X	-.786	-.786	0	%100
66	M63	Z	1.361	1.361	0	%100
67	M64	X	-.6	-.6	0	%100
68	M64	Z	1.039	1.039	0	%100
69	M66	X	-.632	-.632	0	%100
70	M66	Z	1.095	1.095	0	%100
71	M68	X	-.786	-.786	0	%100
72	M68	Z	1.361	1.361	0	%100
73	M69	X	-.6	-.6	0	%100
74	M69	Z	1.039	1.039	0	%100
75	M71	X	-.632	-.632	0	%100
76	M71	Z	1.095	1.095	0	%100
77	MP2A	X	-.311	-.311	0	%100
78	MP2A	Z	.539	.539	0	%100
79	MP3A	X	-.376	-.376	0	%100
80	MP3A	Z	.652	.652	0	%100
81	MP4A	X	-.311	-.311	0	%100
82	MP4A	Z	.539	.539	0	%100
83	M82	X	-.332	-.332	0	%100
84	M82	Z	.575	.575	0	%100
85	MP1C	X	-.311	-.311	0	%100
86	MP1C	Z	.539	.539	0	%100
87	MP2C	X	-.311	-.311	0	%100
88	MP2C	Z	.539	.539	0	%100
89	MP3C	X	-.376	-.376	0	%100
90	MP3C	Z	.652	.652	0	%100
91	MP4C	X	-.311	-.311	0	%100
92	MP4C	Z	.539	.539	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	MP1B	X	-.311	-.311	0	%100
96	MP1B	Z	.539	.539	0	%100
97	MP2B	X	-.311	-.311	0	%100
98	MP2B	Z	.539	.539	0	%100
99	MP3B	X	-.376	-.376	0	%100
100	MP3B	Z	.652	.652	0	%100
101	MP4B	X	-.311	-.311	0	%100
102	MP4B	Z	.539	.539	0	%100
103	M100	X	-.282	-.282	0	%100
104	M100	Z	.489	.489	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	-.282	-.282	0	%100
108	M110	Z	.489	.489	0	%100
109	M121	X	-.379	-.379	0	%100
110	M121	Z	.657	.657	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	M135	X	-.379	-.379	0	%100
114	M135	Z	.657	.657	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	FACE	X	-.192	-.192	0 %100
2	FACE	Z	.111	.111	0 %100
3	M4	X	-.605	-.605	0 %100
4	M4	Z	.349	.349	0 %100
5	M10	X	-.171	-.171	0 %100
6	M10	Z	.098	.098	0 %100
7	MP1A	X	-.539	-.539	0 %100
8	MP1A	Z	.311	.311	0 %100
9	M43	X	-.171	-.171	0 %100
10	M43	Z	.098	.098	0 %100
11	M46	X	-.34	-.34	0 %100
12	M46	Z	.196	.196	0 %100
13	M51B	X	-.756	-.756	0 %100
14	M51B	Z	.436	.436	0 %100
15	M52B	X	-.189	-.189	0 %100
16	M52B	Z	.109	.109	0 %100
17	M76	X	-1.02	-1.02	0 %100
18	M76	Z	.589	.589	0 %100
19	M77	X	-1.386	-1.386	0 %100
20	M77	Z	.8	.8	0 %100
21	M80	X	-1.46	-1.46	0 %100
22	M80	Z	.843	.843	0 %100
23	M84	X	-1.02	-1.02	0 %100
24	M84	Z	.589	.589	0 %100
25	M85	X	-.346	-.346	0 %100
26	M85	Z	.2	.2	0 %100
27	M91	X	-.365	-.365	0 %100
28	M91	Z	.211	.211	0 %100
29	M28	X	0	0	0 %100
30	M28	Z	0	0	0 %100
31	M29	X	-.682	-.682	0 %100
32	M29	Z	.394	.394	0 %100
33	M30	X	-.682	-.682	0 %100
34	M30	Z	.394	.394	0 %100
35	M31	X	-1.361	-1.361	0 %100
36	M31	Z	.786	.786	0 %100
37	M34	X	-.189	-.189	0 %100
38	M34	Z	.109	.109	0 %100
39	M35	X	-.189	-.189	0 %100
40	M35	Z	.109	.109	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	0	0	0 %100
43	M40	X	-.346	-.346	0 %100
44	M40	Z	.2	.2	0 %100
45	M42	X	-.365	-.365	0 %100
46	M42	Z	.211	.211	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	0	0	0 %100
49	M45	X	-.346	-.346	0 %100
50	M45	Z	.2	.2	0 %100
51	M47	X	-.365	-.365	0 %100
52	M47	Z	.211	.211	0 %100
53	M52A	X	-.605	-.605	0 %100
54	M52A	Z	.349	.349	0 %100
55	M53	X	-.171	-.171	0 %100
56	M53	Z	.098	.098	0 %100
57	M54	X	-.171	-.171	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M54	Z	.098	.098	0 %100
59	M55	X	-.34	-.34	0 %100
60	M55	Z	.196	.196	0 %100
61	M58A	X	-.189	-.189	0 %100
62	M58A	Z	.109	.109	0 %100
63	M59A	X	-.756	-.756	0 %100
64	M59A	Z	.436	.436	0 %100
65	M63	X	-1.02	-1.02	0 %100
66	M63	Z	.589	.589	0 %100
67	M64	X	-.346	-.346	0 %100
68	M64	Z	.2	.2	0 %100
69	M66	X	-.365	-.365	0 %100
70	M66	Z	.211	.211	0 %100
71	M68	X	-1.02	-1.02	0 %100
72	M68	Z	.589	.589	0 %100
73	M69	X	-1.386	-1.386	0 %100
74	M69	Z	.8	.8	0 %100
75	M71	X	-1.46	-1.46	0 %100
76	M71	Z	.843	.843	0 %100
77	MP2A	X	-.539	-.539	0 %100
78	MP2A	Z	.311	.311	0 %100
79	MP3A	X	-.652	-.652	0 %100
80	MP3A	Z	.376	.376	0 %100
81	MP4A	X	-.539	-.539	0 %100
82	MP4A	Z	.311	.311	0 %100
83	M82	X	-.767	-.767	0 %100
84	M82	Z	.443	.443	0 %100
85	MP1C	X	-.539	-.539	0 %100
86	MP1C	Z	.311	.311	0 %100
87	MP2C	X	-.539	-.539	0 %100
88	MP2C	Z	.311	.311	0 %100
89	MP3C	X	-.652	-.652	0 %100
90	MP3C	Z	.376	.376	0 %100
91	MP4C	X	-.539	-.539	0 %100
92	MP4C	Z	.311	.311	0 %100
93	M91A	X	-.192	-.192	0 %100
94	M91A	Z	.111	.111	0 %100
95	MP1B	X	-.539	-.539	0 %100
96	MP1B	Z	.311	.311	0 %100
97	MP2B	X	-.539	-.539	0 %100
98	MP2B	Z	.311	.311	0 %100
99	MP3B	X	-.652	-.652	0 %100
100	MP3B	Z	.376	.376	0 %100
101	MP4B	X	-.539	-.539	0 %100
102	MP4B	Z	.311	.311	0 %100
103	M100	X	-.652	-.652	0 %100
104	M100	Z	.376	.376	0 %100
105	M105	X	-.163	-.163	0 %100
106	M105	Z	.094	.094	0 %100
107	M110	X	-.163	-.163	0 %100
108	M110	Z	.094	.094	0 %100
109	M121	X	-.876	-.876	0 %100
110	M121	Z	.506	.506	0 %100
111	M128	X	-.219	-.219	0 %100
112	M128	Z	.126	.126	0 %100
113	M135	X	-.219	-.219	0 %100
114	M135	Z	.126	.126	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M4	X	-.931	-.931	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-.622	-.622	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-.654	-.654	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-.654	-.654	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-1.571	-1.571	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-1.2	-1.2	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-1.264	-1.264	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-1.571	-1.571	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-1.2	-1.2	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-1.264	-1.264	0	%100
28	M91	Z	0	0	0	%100
29	M28	X	-.233	-.233	0	%100
30	M28	Z	0	0	0	%100
31	M29	X	-.591	-.591	0	%100
32	M29	Z	0	0	0	%100
33	M30	X	-.591	-.591	0	%100
34	M30	Z	0	0	0	%100
35	M31	X	-1.178	-1.178	0	%100
36	M31	Z	0	0	0	%100
37	M34	X	-.654	-.654	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	0	0	0	%100
41	M39	X	-.393	-.393	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	-1.2	-1.2	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	-1.264	-1.264	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	-.393	-.393	0	%100
48	M44	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M52A	X	-.233	-.233	0	%100
54	M52A	Z	0	0	0	%100
55	M53	X	-.591	-.591	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	-.591	-.591	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
58	M54	Z	0	0	0	%100
59	M55	X	-1.178	-1.178	0	%100
60	M55	Z	0	0	0	%100
61	M58A	X	0	0	0	%100
62	M58A	Z	0	0	0	%100
63	M59A	X	-.654	-.654	0	%100
64	M59A	Z	0	0	0	%100
65	M63	X	-.393	-.393	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-.393	-.393	0	%100
72	M68	Z	0	0	0	%100
73	M69	X	-1.2	-1.2	0	%100
74	M69	Z	0	0	0	%100
75	M71	X	-1.264	-1.264	0	%100
76	M71	Z	0	0	0	%100
77	MP2A	X	-.622	-.622	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	-.753	-.753	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-.622	-.622	0	%100
82	MP4A	Z	0	0	0	%100
83	M82	X	-.664	-.664	0	%100
84	M82	Z	0	0	0	%100
85	MP1C	X	-.622	-.622	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	-.622	-.622	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-.753	-.753	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-.622	-.622	0	%100
92	MP4C	Z	0	0	0	%100
93	M91A	X	-.664	-.664	0	%100
94	M91A	Z	0	0	0	%100
95	MP1B	X	-.622	-.622	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-.622	-.622	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-.753	-.753	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-.622	-.622	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	-.565	-.565	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	-.565	-.565	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	-.759	-.759	0	%100
110	M121	Z	0	0	0	%100
111	M128	X	-.759	-.759	0	%100
112	M128	Z	0	0	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.-%]	End Location[ft.-%]
1	FACE	X	-192	-192	0 %100
2	FACE	Z	-111	-111	0 %100
3	M4	X	-605	-605	0 %100
4	M4	Z	-349	-349	0 %100
5	M10	X	-171	-171	0 %100
6	M10	Z	-098	-098	0 %100
7	MP1A	X	-539	-539	0 %100
8	MP1A	Z	-311	-311	0 %100
9	M43	X	-171	-171	0 %100
10	M43	Z	-098	-098	0 %100
11	M46	X	-34	-34	0 %100
12	M46	Z	-196	-196	0 %100
13	M51B	X	-189	-189	0 %100
14	M51B	Z	-109	-109	0 %100
15	M52B	X	-756	-756	0 %100
16	M52B	Z	-436	-436	0 %100
17	M76	X	-1.02	-1.02	0 %100
18	M76	Z	-589	-589	0 %100
19	M77	X	-346	-346	0 %100
20	M77	Z	-2	-2	0 %100
21	M80	X	-365	-365	0 %100
22	M80	Z	-211	-211	0 %100
23	M84	X	-1.02	-1.02	0 %100
24	M84	Z	-589	-589	0 %100
25	M85	X	-1.386	-1.386	0 %100
26	M85	Z	-8	-8	0 %100
27	M91	X	-1.46	-1.46	0 %100
28	M91	Z	-843	-843	0 %100
29	M28	X	-605	-605	0 %100
30	M28	Z	-349	-349	0 %100
31	M29	X	-171	-171	0 %100
32	M29	Z	-098	-098	0 %100
33	M30	X	-171	-171	0 %100
34	M30	Z	-098	-098	0 %100
35	M31	X	-34	-34	0 %100
36	M31	Z	-196	-196	0 %100
37	M34	X	-756	-756	0 %100
38	M34	Z	-436	-436	0 %100
39	M35	X	-189	-189	0 %100
40	M35	Z	-109	-109	0 %100
41	M39	X	-1.02	-1.02	0 %100
42	M39	Z	-589	-589	0 %100
43	M40	X	-1.386	-1.386	0 %100
44	M40	Z	-8	-8	0 %100
45	M42	X	-1.46	-1.46	0 %100
46	M42	Z	-843	-843	0 %100
47	M44	X	-1.02	-1.02	0 %100
48	M44	Z	-589	-589	0 %100
49	M45	X	-346	-346	0 %100
50	M45	Z	-2	-2	0 %100
51	M47	X	-365	-365	0 %100
52	M47	Z	-211	-211	0 %100
53	M52A	X	0	0	0 %100
54	M52A	Z	0	0	0 %100
55	M53	X	-682	-682	0 %100
56	M53	Z	-394	-394	0 %100
57	M54	X	-682	-682	0 %100





Company :  
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 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M54	Z	-.394	-.394	0 %100
59	M55	X	-1.361	-1.361	0 %100
60	M55	Z	-.786	-.786	0 %100
61	M58A	X	-.189	-.189	0 %100
62	M58A	Z	-.109	-.109	0 %100
63	M59A	X	-.189	-.189	0 %100
64	M59A	Z	-.109	-.109	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	0	0	0 %100
67	M64	X	-.346	-.346	0 %100
68	M64	Z	-.2	-.2	0 %100
69	M66	X	-.365	-.365	0 %100
70	M66	Z	-.211	-.211	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M69	X	-.346	-.346	0 %100
74	M69	Z	-.2	-.2	0 %100
75	M71	X	-.365	-.365	0 %100
76	M71	Z	-.211	-.211	0 %100
77	MP2A	X	-.539	-.539	0 %100
78	MP2A	Z	-.311	-.311	0 %100
79	MP3A	X	-.652	-.652	0 %100
80	MP3A	Z	-.376	-.376	0 %100
81	MP4A	X	-.539	-.539	0 %100
82	MP4A	Z	-.311	-.311	0 %100
83	M82	X	-.192	-.192	0 %100
84	M82	Z	-.111	-.111	0 %100
85	MP1C	X	-.539	-.539	0 %100
86	MP1C	Z	-.311	-.311	0 %100
87	MP2C	X	-.539	-.539	0 %100
88	MP2C	Z	-.311	-.311	0 %100
89	MP3C	X	-.652	-.652	0 %100
90	MP3C	Z	-.376	-.376	0 %100
91	MP4C	X	-.539	-.539	0 %100
92	MP4C	Z	-.311	-.311	0 %100
93	M91A	X	-.767	-.767	0 %100
94	M91A	Z	-.443	-.443	0 %100
95	MP1B	X	-.539	-.539	0 %100
96	MP1B	Z	-.311	-.311	0 %100
97	MP2B	X	-.539	-.539	0 %100
98	MP2B	Z	-.311	-.311	0 %100
99	MP3B	X	-.652	-.652	0 %100
100	MP3B	Z	-.376	-.376	0 %100
101	MP4B	X	-.539	-.539	0 %100
102	MP4B	Z	-.311	-.311	0 %100
103	M100	X	-.163	-.163	0 %100
104	M100	Z	-.094	-.094	0 %100
105	M105	X	-.652	-.652	0 %100
106	M105	Z	-.376	-.376	0 %100
107	M110	X	-.163	-.163	0 %100
108	M110	Z	-.094	-.094	0 %100
109	M121	X	-.219	-.219	0 %100
110	M121	Z	-.126	-.126	0 %100
111	M128	X	-.876	-.876	0 %100
112	M128	Z	-.506	-.506	0 %100
113	M135	X	-.219	-.219	0 %100
114	M135	Z	-.126	-.126	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	FACE	X	-.332	-.332	0 %100
2	FACE	Z	-.575	-.575	0 %100
3	M4	X	-.116	-.116	0 %100
4	M4	Z	-.202	-.202	0 %100
5	M10	X	-.295	-.295	0 %100
6	M10	Z	-.512	-.512	0 %100
7	MP1A	X	-.311	-.311	0 %100
8	MP1A	Z	-.539	-.539	0 %100
9	M43	X	-.295	-.295	0 %100
10	M43	Z	-.512	-.512	0 %100
11	M46	X	-.589	-.589	0 %100
12	M46	Z	-1.02	-1.02	0 %100
13	M51B	X	0	0	0 %100
14	M51B	Z	0	0	0 %100
15	M52B	X	-.327	-.327	0 %100
16	M52B	Z	-.567	-.567	0 %100
17	M76	X	-.196	-.196	0 %100
18	M76	Z	-.34	-.34	0 %100
19	M77	X	0	0	0 %100
20	M77	Z	0	0	0 %100
21	M80	X	0	0	0 %100
22	M80	Z	0	0	0 %100
23	M84	X	-.196	-.196	0 %100
24	M84	Z	-.34	-.34	0 %100
25	M85	X	-.6	-.6	0 %100
26	M85	Z	-1.039	-1.039	0 %100
27	M91	X	-.632	-.632	0 %100
28	M91	Z	-1.095	-1.095	0 %100
29	M28	X	-.465	-.465	0 %100
30	M28	Z	-.806	-.806	0 %100
31	M29	X	0	0	0 %100
32	M29	Z	0	0	0 %100
33	M30	X	0	0	0 %100
34	M30	Z	0	0	0 %100
35	M31	X	0	0	0 %100
36	M31	Z	0	0	0 %100
37	M34	X	-.327	-.327	0 %100
38	M34	Z	-.567	-.567	0 %100
39	M35	X	-.327	-.327	0 %100
40	M35	Z	-.567	-.567	0 %100
41	M39	X	-.786	-.786	0 %100
42	M39	Z	-1.361	-1.361	0 %100
43	M40	X	-.6	-.6	0 %100
44	M40	Z	-1.039	-1.039	0 %100
45	M42	X	-.632	-.632	0 %100
46	M42	Z	-1.095	-1.095	0 %100
47	M44	X	-.786	-.786	0 %100
48	M44	Z	-1.361	-1.361	0 %100
49	M45	X	-.6	-.6	0 %100
50	M45	Z	-1.039	-1.039	0 %100
51	M47	X	-.632	-.632	0 %100
52	M47	Z	-1.095	-1.095	0 %100
53	M52A	X	-.116	-.116	0 %100
54	M52A	Z	-.202	-.202	0 %100
55	M53	X	-.295	-.295	0 %100
56	M53	Z	-.512	-.512	0 %100
57	M54	X	-.295	-.295	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.%]
58	M54	Z	-.512	-.512	0 %100
59	M55	X	-.589	-.589	0 %100
60	M55	Z	-1.02	-1.02	0 %100
61	M58A	X	-.327	-.327	0 %100
62	M58A	Z	-.567	-.567	0 %100
63	M59A	X	0	0	0 %100
64	M59A	Z	0	0	0 %100
65	M63	X	-.196	-.196	0 %100
66	M63	Z	-.34	-.34	0 %100
67	M64	X	-.6	-.6	0 %100
68	M64	Z	-1.039	-1.039	0 %100
69	M66	X	-.632	-.632	0 %100
70	M66	Z	-1.095	-1.095	0 %100
71	M68	X	-.196	-.196	0 %100
72	M68	Z	-.34	-.34	0 %100
73	M69	X	0	0	0 %100
74	M69	Z	0	0	0 %100
75	M71	X	0	0	0 %100
76	M71	Z	0	0	0 %100
77	MP2A	X	-.311	-.311	0 %100
78	MP2A	Z	-.539	-.539	0 %100
79	MP3A	X	-.376	-.376	0 %100
80	MP3A	Z	-.652	-.652	0 %100
81	MP4A	X	-.311	-.311	0 %100
82	MP4A	Z	-.539	-.539	0 %100
83	M82	X	0	0	0 %100
84	M82	Z	0	0	0 %100
85	MP1C	X	-.311	-.311	0 %100
86	MP1C	Z	-.539	-.539	0 %100
87	MP2C	X	-.311	-.311	0 %100
88	MP2C	Z	-.539	-.539	0 %100
89	MP3C	X	-.376	-.376	0 %100
90	MP3C	Z	-.652	-.652	0 %100
91	MP4C	X	-.311	-.311	0 %100
92	MP4C	Z	-.539	-.539	0 %100
93	M91A	X	-.332	-.332	0 %100
94	M91A	Z	-.575	-.575	0 %100
95	MP1B	X	-.311	-.311	0 %100
96	MP1B	Z	-.539	-.539	0 %100
97	MP2B	X	-.311	-.311	0 %100
98	MP2B	Z	-.539	-.539	0 %100
99	MP3B	X	-.376	-.376	0 %100
100	MP3B	Z	-.652	-.652	0 %100
101	MP4B	X	-.311	-.311	0 %100
102	MP4B	Z	-.539	-.539	0 %100
103	M100	X	0	0	0 %100
104	M100	Z	0	0	0 %100
105	M105	X	-.282	-.282	0 %100
106	M105	Z	-.489	-.489	0 %100
107	M110	X	-.282	-.282	0 %100
108	M110	Z	-.489	-.489	0 %100
109	M121	X	0	0	0 %100
110	M121	Z	0	0	0 %100
111	M128	X	-.379	-.379	0 %100
112	M128	Z	-.657	-.657	0 %100
113	M135	X	-.379	-.379	0 %100
114	M135	Z	-.657	-.657	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M34	Y	-1.661	-4.228	0	.832
2	M34	Y	-4.228	-6.902	.832	1.665
3	M34	Y	-6.902	-8.189	1.665	2.497
4	M34	Y	-8.189	-6.545	2.497	3.329
5	M34	Y	-6.545	-3.463	3.329	4.162
6	M35	Y	-3.462	-6.573	0	.832
7	M35	Y	-6.573	-8.26	.832	1.665
8	M35	Y	-8.26	-7.044	1.665	2.497
9	M35	Y	-7.044	-4.426	2.497	3.329
10	M35	Y	-4.426	-1.884	3.329	4.162
11	M51B	Y	-1.884	-4.426	0	.832
12	M51B	Y	-4.426	-7.044	.832	1.665
13	M51B	Y	-7.044	-8.26	1.665	2.497
14	M51B	Y	-8.26	-6.573	2.497	3.329
15	M51B	Y	-6.573	-3.462	3.329	4.162
16	M52B	Y	-3.463	-6.545	0	.832
17	M52B	Y	-6.545	-8.189	.832	1.665
18	M52B	Y	-8.189	-6.902	1.665	2.497
19	M52B	Y	-6.902	-4.228	2.497	3.329
20	M52B	Y	-4.228	-1.661	3.329	4.162
21	M58A	Y	-1.884	-4.426	0	.832
22	M58A	Y	-4.426	-7.044	.832	1.665
23	M58A	Y	-7.044	-8.26	1.665	2.497
24	M58A	Y	-8.26	-6.573	2.497	3.329
25	M58A	Y	-6.573	-3.462	3.329	4.162
26	M59A	Y	-3.463	-6.545	0	.832
27	M59A	Y	-6.545	-8.189	.832	1.665
28	M59A	Y	-8.189	-6.902	1.665	2.497
29	M59A	Y	-6.902	-4.228	2.497	3.329
30	M59A	Y	-4.228	-1.661	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M34	Y	-3.451	-8.782	0	.832
2	M34	Y	-8.782	-14.335	.832	1.665
3	M34	Y	-14.335	-17.007	1.665	2.497
4	M34	Y	-17.007	-13.593	2.497	3.329
5	M34	Y	-13.593	-7.193	3.329	4.162
6	M35	Y	-7.19	-13.652	0	.832
7	M35	Y	-13.652	-17.156	.832	1.665
8	M35	Y	-17.156	-14.631	1.665	2.497
9	M35	Y	-14.631	-9.193	2.497	3.329
10	M35	Y	-9.193	-3.914	3.329	4.162
11	M51B	Y	-3.914	-9.193	0	.832
12	M51B	Y	-9.193	-14.631	.832	1.665
13	M51B	Y	-14.631	-17.156	1.665	2.497
14	M51B	Y	-17.156	-13.652	2.497	3.329
15	M51B	Y	-13.652	-7.19	3.329	4.162
16	M52B	Y	-7.193	-13.593	0	.832
17	M52B	Y	-13.593	-17.007	.832	1.665
18	M52B	Y	-17.007	-14.335	1.665	2.497
19	M52B	Y	-14.335	-8.782	2.497	3.329
20	M52B	Y	-8.782	-3.451	3.329	4.162
21	M58A	Y	-3.914	-9.193	0	.832
22	M58A	Y	-9.193	-14.631	.832	1.665
23	M58A	Y	-14.631	-17.156	1.665	2.497



**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.%,]
24	M58A	Y	-17.156	-13.652	2.497	3.329
25	M58A	Y	-13.652	-7.19	3.329	4.162
26	M59A	Y	-7.193	-13.593	0	.832
27	M59A	Y	-13.593	-17.007	.832	1.665
28	M59A	Y	-17.007	-14.335	1.665	2.497
29	M59A	Y	-14.335	-8.782	2.497	3.329
30	M59A	Y	-8.782	-3.451	3.329	4.162

**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	M34	Y	-.037	-.095	0	.832
2	M34	Y	-.095	-.155	.832	1.665
3	M34	Y	-.155	-.184	1.665	2.497
4	M34	Y	-.184	-.147	2.497	3.329
5	M34	Y	-.147	-.078	3.329	4.162
6	M35	Y	-.078	-.148	0	.832
7	M35	Y	-.148	-.186	.832	1.665
8	M35	Y	-.186	-.158	1.665	2.497
9	M35	Y	-.158	-.1	2.497	3.329
10	M35	Y	-.1	-.042	3.329	4.162
11	M51B	Y	-.042	-.1	0	.832
12	M51B	Y	-.1	-.158	.832	1.665
13	M51B	Y	-.158	-.186	1.665	2.497
14	M51B	Y	-.186	-.148	2.497	3.329
15	M51B	Y	-.148	-.078	3.329	4.162
16	M52B	Y	-.078	-.147	0	.832
17	M52B	Y	-.147	-.184	.832	1.665
18	M52B	Y	-.184	-.155	1.665	2.497
19	M52B	Y	-.155	-.095	2.497	3.329
20	M52B	Y	-.095	-.037	3.329	4.162
21	M58A	Y	-.042	-.1	0	.832
22	M58A	Y	-.1	-.158	.832	1.665
23	M58A	Y	-.158	-.186	1.665	2.497
24	M58A	Y	-.186	-.148	2.497	3.329
25	M58A	Y	-.148	-.078	3.329	4.162
26	M59A	Y	-.078	-.147	0	.832
27	M59A	Y	-.147	-.184	.832	1.665
28	M59A	Y	-.184	-.155	1.665	2.497
29	M59A	Y	-.155	-.095	2.497	3.329
30	M59A	Y	-.095	-.037	3.329	4.162

**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.%,]
1	M34	Z	-.094	-.238	0	.832
2	M34	Z	-.238	-.389	.832	1.665
3	M34	Z	-.389	-.461	1.665	2.497
4	M34	Z	-.461	-.369	2.497	3.329
5	M34	Z	-.369	-.195	3.329	4.162
6	M35	Z	-.195	-.37	0	.832
7	M35	Z	-.37	-.465	.832	1.665
8	M35	Z	-.465	-.397	1.665	2.497
9	M35	Z	-.397	-.249	2.497	3.329
10	M35	Z	-.249	-.106	3.329	4.162
11	M51B	Z	-.106	-.249	0	.832
12	M51B	Z	-.249	-.397	.832	1.665
13	M51B	Z	-.397	-.465	1.665	2.497

**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.%]
14	M51B	Z	-.465	-.37	2.497	3.329
15	M51B	Z	-.37	-.195	3.329	4.162
16	M52B	Z	-.195	-.369	0	.832
17	M52B	Z	-.369	-.461	.832	1.665
18	M52B	Z	-.461	-.389	1.665	2.497
19	M52B	Z	-.389	-.238	2.497	3.329
20	M52B	Z	-.238	-.094	3.329	4.162
21	M58A	Z	-.106	-.249	0	.832
22	M58A	Z	-.249	-.397	.832	1.665
23	M58A	Z	-.397	-.465	1.665	2.497
24	M58A	Z	-.465	-.37	2.497	3.329
25	M58A	Z	-.37	-.195	3.329	4.162
26	M59A	Z	-.195	-.369	0	.832
27	M59A	Z	-.369	-.461	.832	1.665
28	M59A	Z	-.461	-.389	1.665	2.497
29	M59A	Z	-.389	-.238	2.497	3.329
30	M59A	Z	-.238	-.094	3.329	4.162

**Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)**

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M34	X	.094	.238	0	.832
2	M34	X	.238	.389	.832	1.665
3	M34	X	.389	.461	1.665	2.497
4	M34	X	.461	.369	2.497	3.329
5	M34	X	.369	.195	3.329	4.162
6	M35	X	.195	.37	0	.832
7	M35	X	.37	.465	.832	1.665
8	M35	X	.465	.397	1.665	2.497
9	M35	X	.397	.249	2.497	3.329
10	M35	X	.249	.106	3.329	4.162
11	M51B	X	.106	.249	0	.832
12	M51B	X	.249	.397	.832	1.665
13	M51B	X	.397	.465	1.665	2.497
14	M51B	X	.465	.37	2.497	3.329
15	M51B	X	.37	.195	3.329	4.162
16	M52B	X	.195	.369	0	.832
17	M52B	X	.369	.461	.832	1.665
18	M52B	X	.461	.389	1.665	2.497
19	M52B	X	.389	.238	2.497	3.329
20	M52B	X	.238	.094	3.329	4.162
21	M58A	X	.106	.249	0	.832
22	M58A	X	.249	.397	.832	1.665
23	M58A	X	.397	.465	1.665	2.497
24	M58A	X	.465	.37	2.497	3.329
25	M58A	X	.37	.195	3.329	4.162
26	M59A	X	.195	.369	0	.832
27	M59A	X	.369	.461	.832	1.665
28	M59A	X	.461	.389	1.665	2.497
29	M59A	X	.389	.238	2.497	3.329
30	M59A	X	.238	.094	3.329	4.162

**Member Area Loads (BLC 39 : Structure D)**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N38	N39	N62	N60	Y	Two Way	-.005
2	N7	N6	N87C	N87B	Y	Two Way	-.005



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**Member Area Loads (BLC 39 : Structure D) (Continued)**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
3	N67	N66	N88	N90	Y	Two Way	-.005

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N38	N39	N62	N60	Y	Two Way	-.011
2	N7	N6	N87C	N87B	Y	Two Way	-.011
3	N67	N66	N88	N90	Y	Two Way	-.011

**Member Area Loads (BLC 84 : Structure Ev)**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N38	N39	N62	N60	Y	Two Way	-.000117
2	N7	N6	N87C	N87B	Y	Two Way	-.000117
3	N67	N66	N88	N90	Y	Two Way	-.000117

**Member Area Loads (BLC 85 : Structure Eh (0 Deg))**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N38	N39	N62	N60	Z	Two Way	-.000293
2	N7	N6	N87C	N87B	Z	Two Way	-.000293
3	N67	N66	N88	N90	Z	Two Way	-.000293

**Member Area Loads (BLC 86 : Structure Eh (90 Deg))**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N38	N39	N62	N60	X	Two Way	.000293
2	N7	N6	N87C	N87B	X	Two Way	.000293
3	N67	N66	N88	N90	X	Two Way	.000293

**Envelope Joint Reactions**

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
1	N3	max	835.333	10	2147.038	13	1986.378	1	4.51	13	1.607	4	.301	13
2		min	-824.628	4	461.042	7	-2159.931	7	.379	7	-1.588	10	.089	7
3	N36	max	1752.014	9	2196.681	21	1020.61	3	-.139	3	1.671	12	-.453	3
4		min	-1907.31	4	488.111	3	-942.544	9	-2.046	21	-1.649	6	-4.202	21
5	N64	max	1847.449	11	2145.001	17	1290.796	1	-.269	11	1.605	8	3.777	41
6		min	-1704.086	5	456.881	11	-1196.076	7	-2.828	41	-1.585	2	.274	11
7	Totals:	max	4205.113	10	6071.476	13	4191.023	1						
8		min	-4205.113	4	2186.729	70	-4191.024	7						

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

Member	Shape	Code Check	Loc[ft]	LC	Shear	...	Loc[ft]	Dir	LC	phi*Pnc	phi*Pnt	phi*Mn y	phi*Mn z	Cb	Eqn
1	FACE	PIPE 3.0	.140	7.535	18	.060	4.01		23	31466.35	65205	5.749	5.749	2...	H1-1b
2	M4	HSS4X4X4	.285	0	15	.078	0	y	13	124657...	139518	16.181	16.181	3...	H1-1b
3	M10	HSS4X4X4	.145	2.375	14	.051	2.375	y	24	136263...	139518	16.181	16.181	1...	H1-1b
4	MP1A	PIPE 2.0	.250	3.313	9	.084	3.375		8	20866.7...	32130	1.872	1.872	1...	H1-1b
5	M43	HSS4X4X4	.149	0	24	.040	0	y	14	136263...	139518	16.181	16.181	1...	H1-1b
6	M46	PL1/2x6	.189	.516	12	.113	.516	y	22	66009.2...	97200	1.012	12.15	1...	H1-1b
7	M51B	L2x2x3	.156	4.162	2	.010	4.162	y	16	9823.122	23392.8	.558	1.095	1...	H2-1
8	M52B	L2x2x3	.134	4.162	12	.013	4.162	y	21	9823.122	23392.8	.558	1.098	1...	H2-1
9	M76	PL3/8x6	.234	0	2	.119	0	y	18	70677.9...	72900	.57	9.113	1.2	H1-1b
10	M77	PL3/8x6	.265	.167	8	.296	0	y	13	71601.7...	72900	.57	9.113	1...	H1-1b
11	M80	PL1/2x6	.051	0	2	.076	0	y	10	96757.5...	97200	1.012	12.15	1...	H1-1b
12	M84	PL3/8x6	.267	0	12	.297	0	y	20	70677.9...	72900	.57	9.113	1...	H1-1b
13	M85	PL3/8x6	.232	.167	6	.287	0	y	13	71601.7...	72900	.57	9.113	1...	H1-1b



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

Member	Shape	Code Check	Loc(ft)	LC Shear	Dir	LC	phi*Pnc	phi*Pnt	phi*Mn y	phi*Mn z	Cb	Eqn			
14	M91	PL1/2x6	.052	0	12	.080	.112	y	9	96757.5...	97200	1.012	12.15	1...	H1-1b
15	M28	HSS4X4X4	.295	0	23	.081	0	y	21	124657...	139518	16.181	16.181	3...	H1-1b
16	M29	HSS4X4X4	.148	2.375	22	.052	2.375	y	20	136263...	139518	16.181	16.181	1...	H1-1b
17	M30	HSS4X4X4	.151	0	20	.041	0	y	22	136263...	139518	16.181	16.181	1...	H1-1b
18	M31	PL1/2x6	.190	.516	4	.117	.516	y	18	66009.2...	97200	1.012	12.15	1...	H1-1b
19	M34	L2x2x3	.158	4.162	10	.010	4.162	y	24	9823.122	23392.8	.558	1.098	1...	H2-1
20	M35	L2x2x3	.134	4.162	8	.013	4.162	y	17	9823.122	23392.8	.558	1.095	1...	H2-1
21	M39	PL3/8x6	.239	0	10	.117	0	y	14	70677.9...	72900	.57	9.113	1...	H1-1b
22	M40	PL3/8x6	.269	.167	4	.303	0	y	21	71601.7...	72900	.57	9.113	1...	H1-1b
23	M42	PL1/2x6	.052	0	10	.079	0	y	6	96757.5...	97200	1.012	12.15	1...	H1-1b
24	M44	PL3/8x6	.260	0	8	.298	0	y	16	70677.9...	72900	.57	9.113	1...	H1-1b
25	M45	PL3/8x6	.231	.167	2	.292	0	y	21	71601.7...	72900	.57	9.113	1...	H1-1b
26	M47	PL1/2x6	.051	.112	9	.081	.112	y	5	96757.5...	97200	1.012	12.15	1...	H1-1b
27	M52A	HSS4X4X4	.292	0	43	.103	0	y	29	124657...	139518	16.181	16.181	2...	H1-1b
28	M53	HSS4X4X4	.146	2.375	18	.054	2.375	y	28	136263...	139518	16.181	16.181	1...	H1-1b
29	M54	HSS4X4X4	.147	0	16	.040	0	y	18	136263...	139518	16.181	16.181	1...	H1-1b
30	M55	PL1/2x6	.189	.516	12	.144	.516	y	38	66009.2...	97200	1.012	12.15	1...	H1-1b
31	M58A	L2x2x3	.156	4.162	6	.010	4.162	y	20	9823.122	23392.8	.558	1.095	1...	H2-1
32	M59A	L2x2x3	.134	4.162	4	.013	4.162	y	13	9823.122	23392.8	.558	1.098	1...	H2-1
33	M63	PL3/8x6	.240	0	6	.120	0	y	22	70677.9...	72900	.57	9.113	1.2	H1-1b
34	M64	PL3/8x6	.266	.167	12	.298	0	y	29	71601.7...	72900	.57	9.113	1...	H1-1b
35	M66	PL1/2x6	.052	0	6	.146	0	y	38	96757.5...	97200	1.012	12.15	1...	H1-1b
36	M68	PL3/8x6	.262	0	4	.292	0	y	24	70677.9...	72900	.57	9.113	1...	H1-1b
37	M69	PL3/8x6	.231	.167	10	.285	0	y	17	71601.7...	72900	.57	9.113	1...	H1-1b
38	M71	PL1/2x6	.051	.112	5	.082	.112	y	37	96757.5...	97200	1.012	12.15	1...	H1-1b
39	MP2A	PIPE 2.0	.278	3.313	9	.058	3.313		11	20866.7...	32130	1.872	1.872	1...	H1-1b
40	MP3A	PIPE 2.5	.190	3.313	5	.041	3.313		2	37773.8...	50715	3.596	3.596	2...	H1-1b
41	MP4A	PIPE 2.0	.245	3.313	17	.064	1.438		6	20866.7...	32130	1.872	1.872	2...	H1-1b
42	M82	PIPE 3.0	.136	7.535	14	.059	4.01		19	31466.35	65205	5.749	5.749	2...	H1-1b
43	MP1C	PIPE 2.0	.248	3.313	5	.084	3.375		4	20866.7...	32130	1.872	1.872	1...	H1-1b
44	MP2C	PIPE 2.0	.276	3.313	5	.057	3.313		7	20866.7...	32130	1.872	1.872	1...	H1-1b
45	MP3C	PIPE 2.5	.188	3.313	12	.041	3.313		10	37773.8...	50715	3.596	3.596	2...	H1-1b
46	MP4C	PIPE 2.0	.239	3.313	1	.063	1.438		2	20866.7...	32130	1.872	1.872	2...	H1-1b
47	M91A	PIPE 3.0	.139	7.535	22	.060	4.01		15	31466.35	65205	5.749	5.749	2...	H1-1b
48	MP1B	PIPE 2.0	.253	3.313	1	.084	3.375		12	20866.7...	32130	1.872	1.872	1...	H1-1b
49	MP2B	PIPE 2.0	.278	3.313	1	.058	3.313		3	20866.7...	32130	1.872	1.872	2...	H1-1b
50	MP3B	PIPE 2.5	.189	3.313	8	.042	3.313		6	37773.8...	50715	3.596	3.596	1...	H1-1b
51	MP4B	PIPE 2.0	.242	3.313	21	.063	1.438		10	20866.7...	32130	1.872	1.872	1...	H1-1b
52	M100	PIPE 2.5	.144	7.413	13	.045	9.722		9	16712.8...	50715	3.596	3.596	2...	H1-1b
53	M105	PIPE 2.5	.147	7.413	21	.045	9.722		5	16712.8...	50715	3.596	3.596	2...	H1-1b
54	M110	PIPE 2.5	.148	7.413	17	.045	9.722		1	16712.8...	50715	3.596	3.596	2...	H1-1b
55	M121	L3X3X4	.290	2.839	11	.025	0	y	11	39028.04	46656	1.688	3.756	2...	H2-1
56	M128	L3X3X4	.286	2.839	7	.024	0	y	7	39028.04	46656	1.688	3.756	2...	H2-1
57	M135	L3X3X4	.285	2.839	3	.024	0	y	3	39028.04	46656	1.688	3.756	2...	H2-1



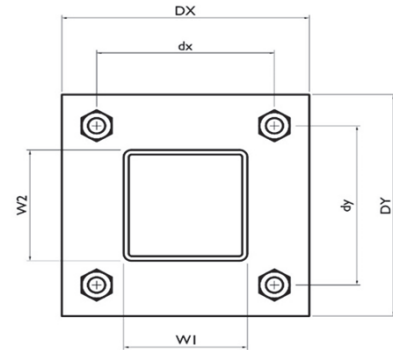
**I. Mount-to-Tower Connection Check**

Custom Orientation Required

Tower Connection Bolt Checks

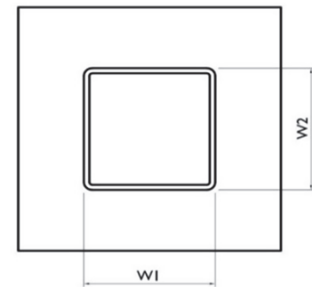
Bolt Orientation

Bolt Quantity per Reaction:	4
$d_x$ (in) (Delta X of typ. bolt config. sketch) :	7
$d_y$ (in) (Delta Y of typ. bolt config. sketch) :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	4.1
Required Shear Strength / bolt (kips):	0.7
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	<b>19.9%</b>



Tower Connection Baseplate Checks

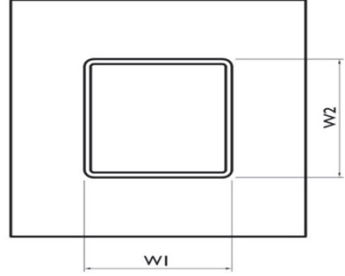
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, $D_x$ (in):	10
Plate Height, $D_y$ (in):	10
$W_1$ (in):	4
$W_2$ (in):	4
Member Thickness (in):	0.25
Stiffener location $a_1$ (in):	
Stiffener location $b_1$ (in):	
Stiffener location $a_2$ (in):	
Stiffener location $b_2$ (in):	
$F_y$ (ksi, plate):	36
Plate Thickness (in):	0.625
Length of Yield Line, $L_y$ (in):	7.75
Bolt Eccentricity, $e$ (in):	2.35
$M_u$ (kip-in):	9.70
$\Phi * M_n$ (kip-in):	24.52
Plate Bending Utilization:	<b>39.5%</b>



Tower Connection Weld Checks

Weld Shape:  
 Weld Stiffener Configuration:  
 Stiffener Notch Length, n (in):  
 Weld Size (1/16 in):  
 W1 (in):  
 W2 (in):  
 Weld Total Length (in):  
 Z<sub>x</sub> (in<sup>3</sup>/in):  
 Z<sub>y</sub> (in<sup>3</sup>/in):  
 J<sub>p</sub> (in<sup>4</sup>/in):  
 c<sub>x</sub> (in)  
 c<sub>y</sub> (in)  
 Required combined strength (kip/in):  
 Weld Capacity (kip/in):  
 Weld Utilization:

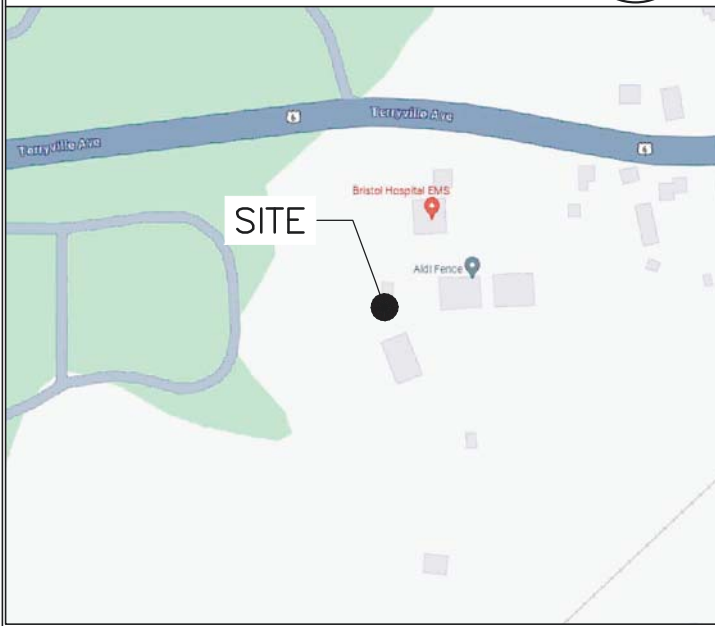
Yes
Rectangle
None
4
4
4
16.00
21.33
21.33
85.33
2.25
2.25
1.81
5.57
<b>32.5%</b>



**NOTE:**  
AN ANALYSIS OF THE CAPACITY OF THE STRUCTURE TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY MORRISON HERSHFIELD DATED JANUARY 12, 2024.

**LEASE EXHIBIT:**  
THIS LEASE EXHIBIT IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WIRELESS COMMUNICATION FACILITY. THE SITE LAYOUT WILL BE FINALIZED UPON COMPLETION OF THE SITE SURVEY AND FACILITY DESIGN.

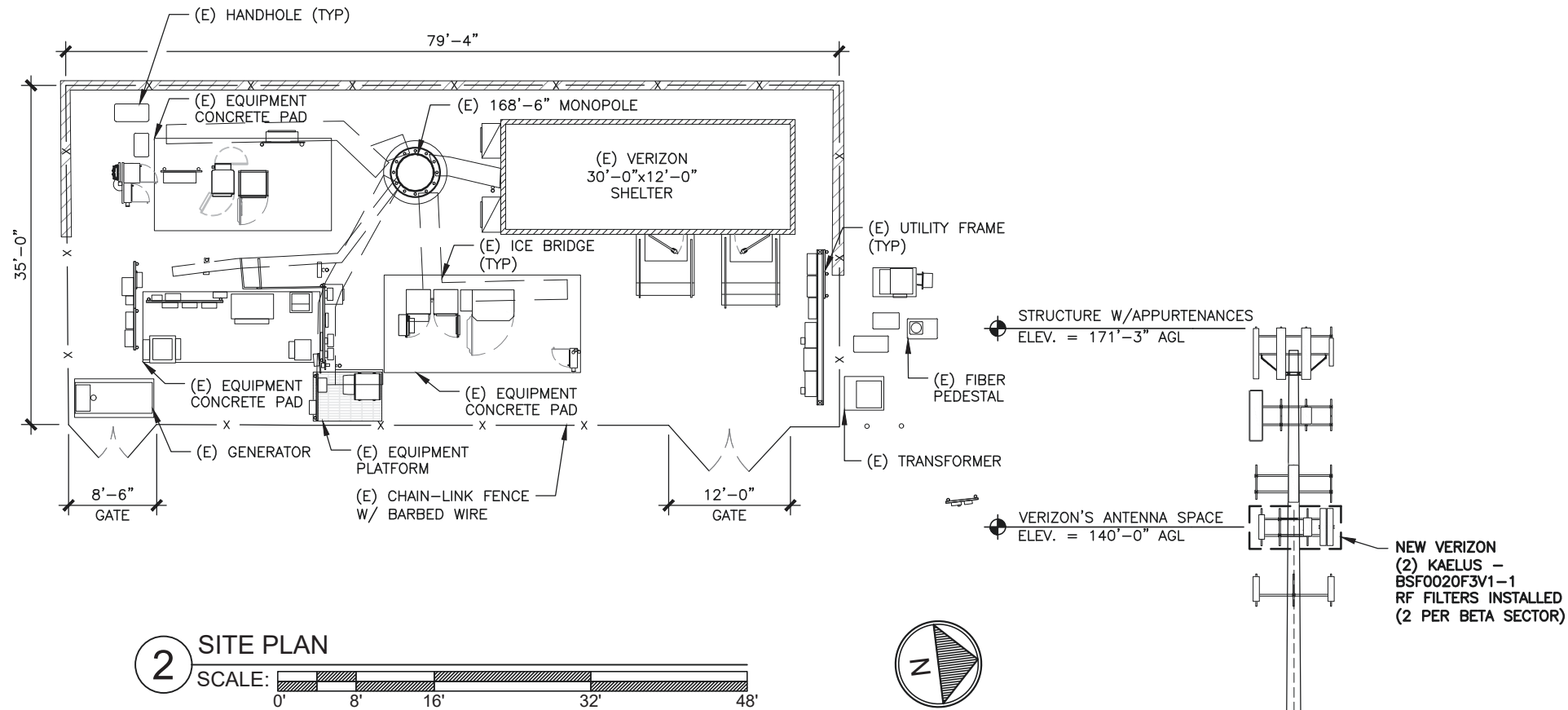
**LOCATION MAP  
N.T.S**



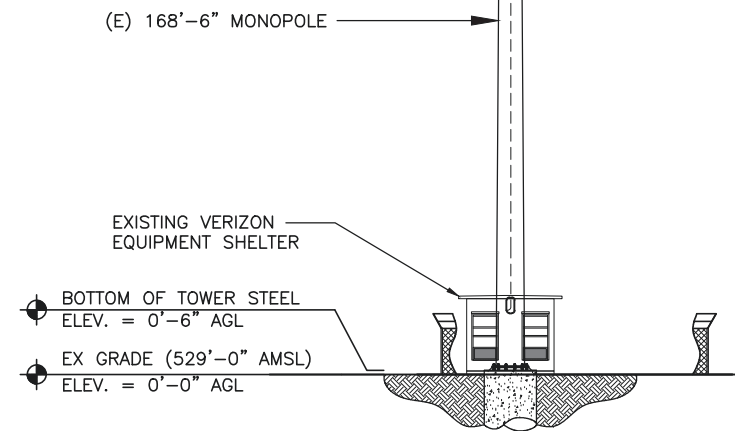
APPROXIMATE COORDINATES:      LATITUDE:      41° 40' 47.71" N      41.679919° N  
LONGITUDE:      72° 57' 45.18" W      72.962550 W



**1 PARTIAL SITE / KEY PLAN  
SCALE: N.T.S.**



**2 SITE PLAN  
SCALE: 0' 8' 16' 32' 48'**



**3 TOWER ELEVATION  
SCALE: N.T.S.**

**verizon**

20 ALEXANDER DRIVE  
WALLINGFORD, CT 06492

**B+T GRP**  
MTS ENGINEERING, P.L.L.C.  
1717 S. BOULDER  
SUITE 300  
TULSA, OK 74119  
PH: (918) 587-4630  
btwo@btgrp.com

**BRISTOL W 2  
CT**

371 TERRYVILLE AVENUE  
BRISTOL, CT 06010  
EXISTING MONOPOLE

PROJECT NO: 96712.017.01  
CHECKED BY: LR

**ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION
0	2/20/24	RMC	ISSUED FOR REVIEW

MTS ENGINEERING P.L.L.C.  
BER:2386985  
Expires 3/31/24

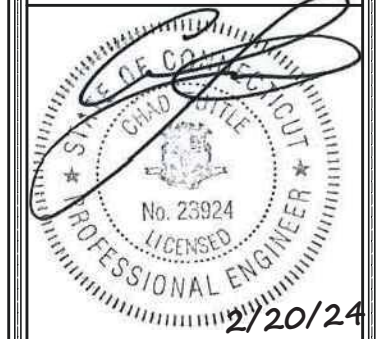


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

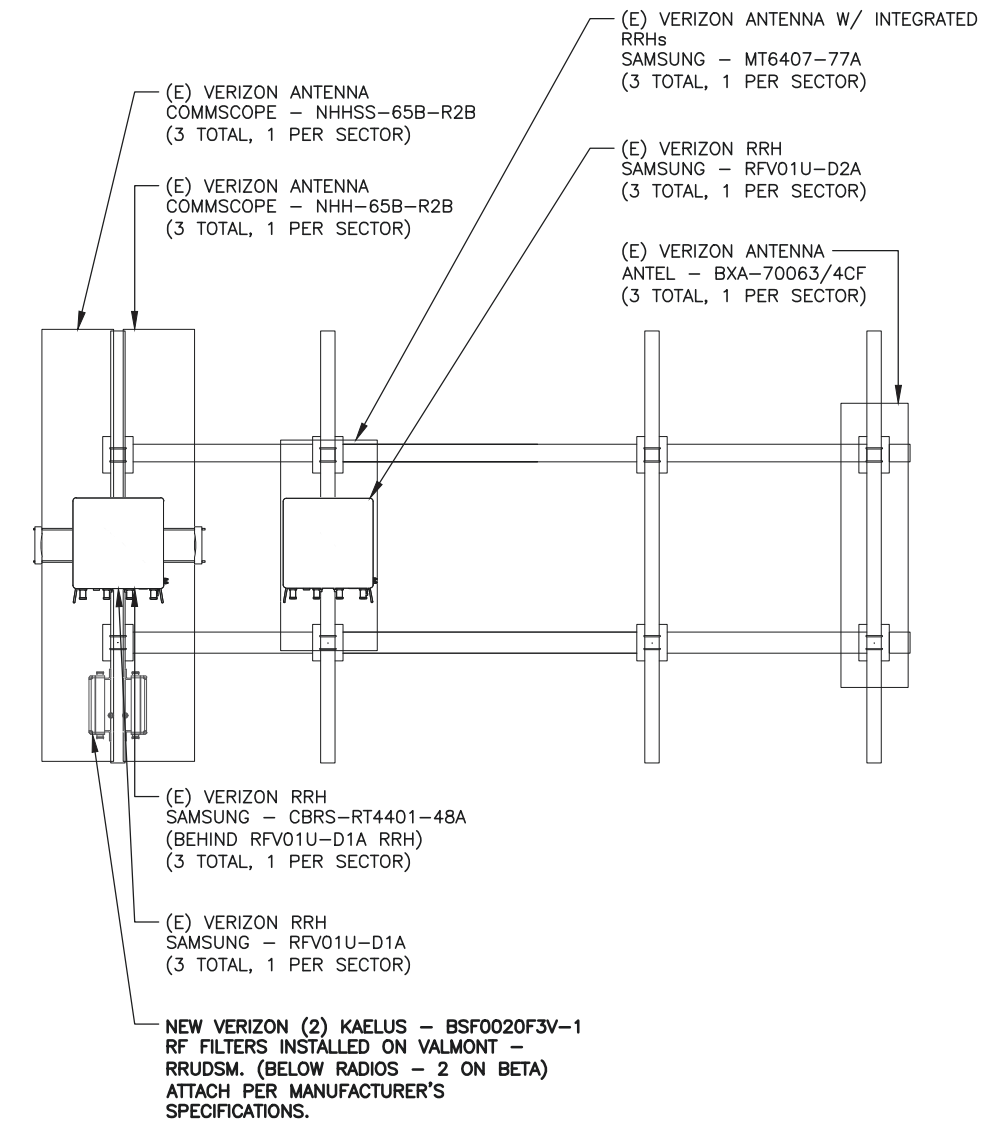
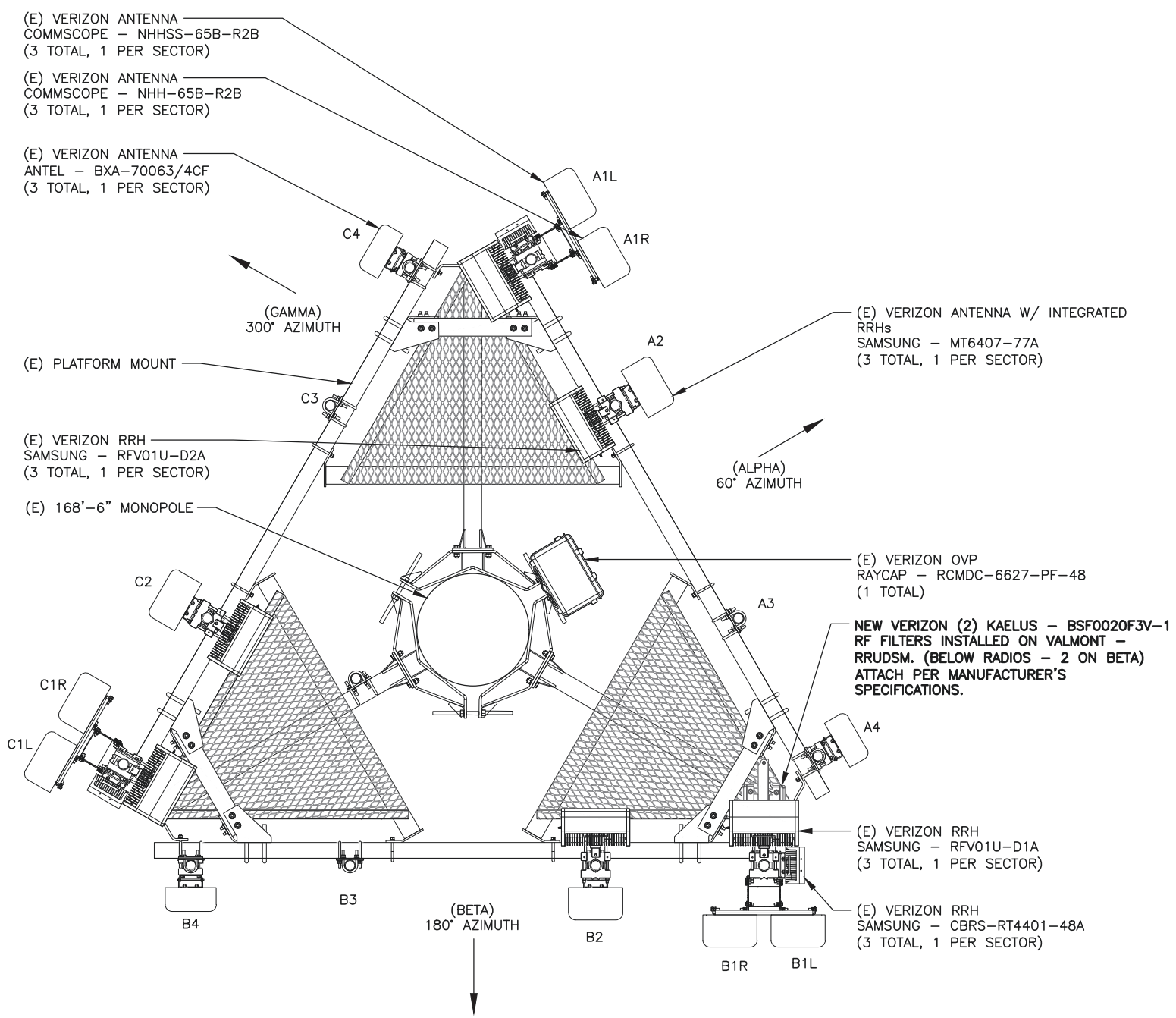
SHEET NUMBER: **LE-1**      REVISION: **0**

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	2/20/24	RMC	ISSUED FOR REVIEW



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



NOTE:  
ANTENNA POSITIONS LABELED PER MOUNT ANALYSIS

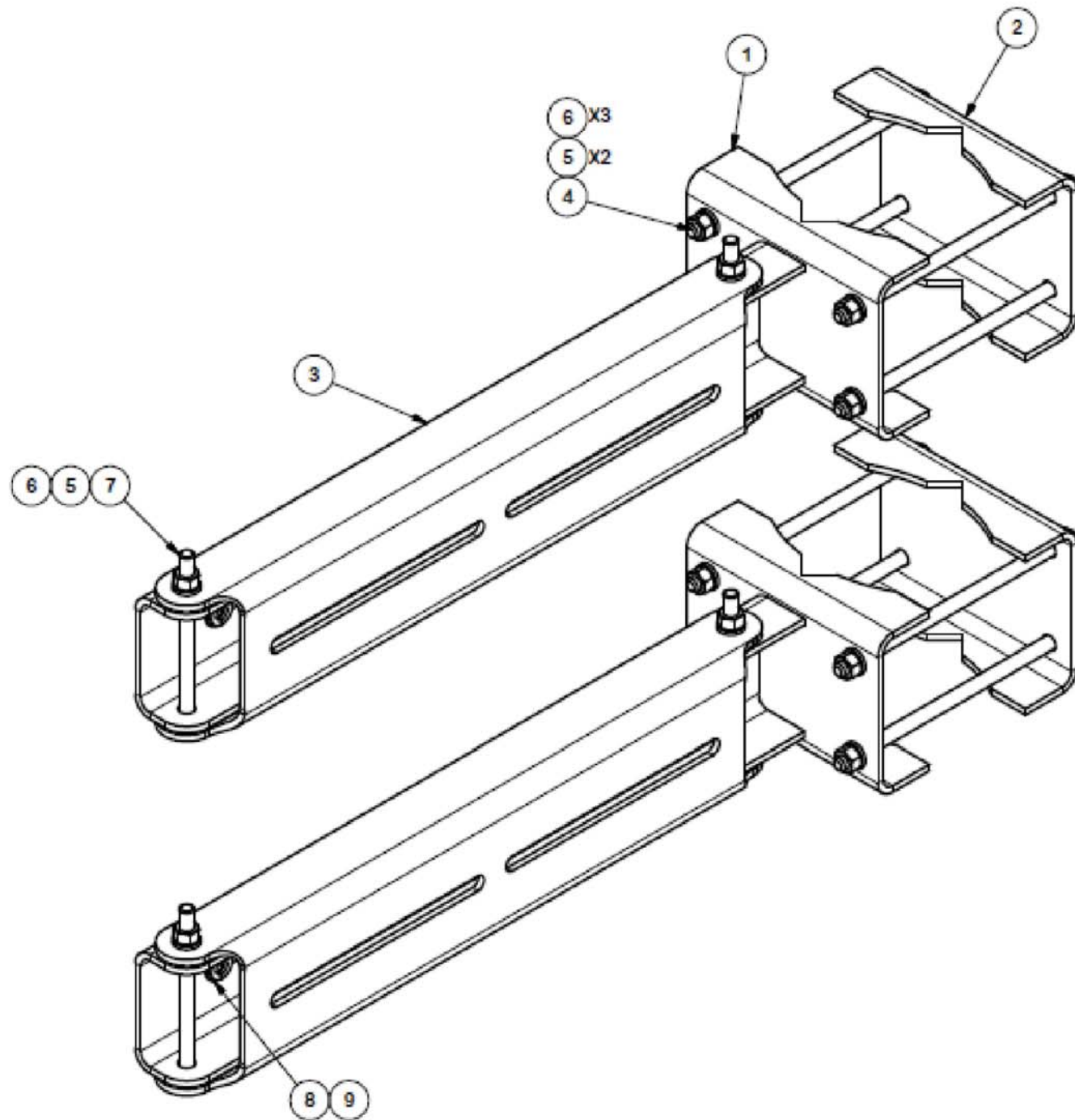
NOTE:  
ELEVATION VIEW FROM BEHIND ANTENNAS

**1** NEW RF FILTER PLAN  
SCALE: 0' 1' 2' 4' 8'

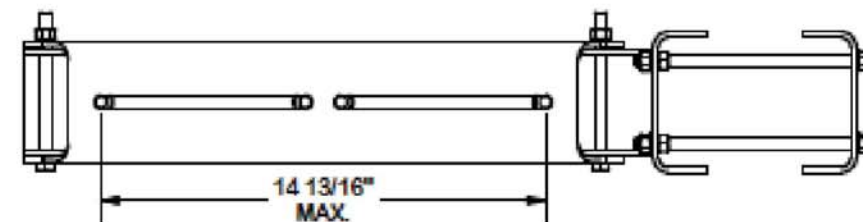
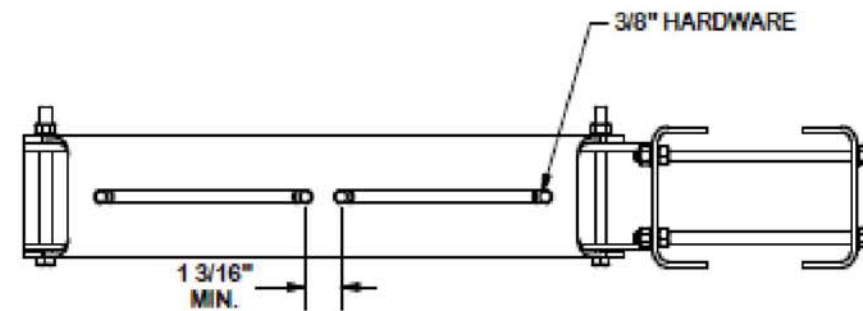
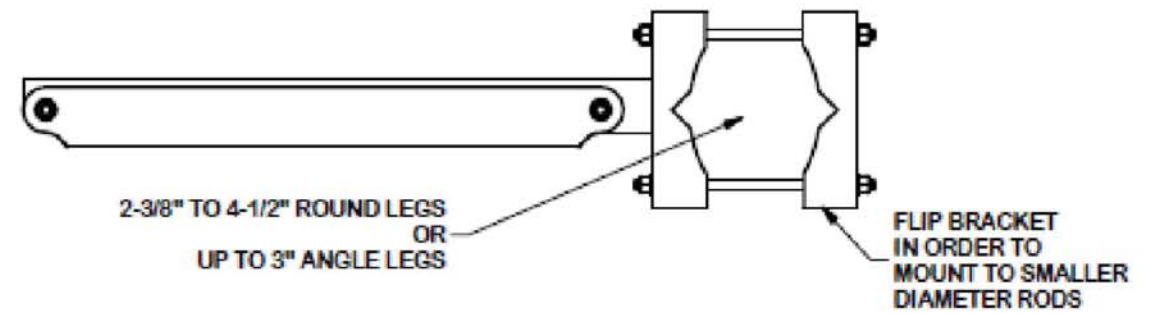


**2** NEW RF FILTER ELEVATION  
SCALE: 0' 1' 2' 4' 8'

96712.017.01.0001\_B42859\_BRISTOL\_CENTER.dwg - SheetLE-2 - User: lsorider - Feb 20, 2024 - 5:26pm



PARTS LIST					
ITEM	QTY	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	MOUNTING ARM		8.99	17.97
2	2	CLAMP PLATE		2.35	4.69
3	2	SWIVEL MOUNT		6.65	13.30
4	8	3/8"-16 UNC X 8" GALV. THREADED ROD		0.25	2.00
5	20	3/8" GALV LOCK WASHER		0.01	0.13
6	28	3/8"-16 UNC GALV HEX NUT		0.02	0.52
7	4	3/8" X 5" GALV BOLT		0.18	0.71
8	8	3/8" SS FLAT WASHER		0.01	0.06
9	8	3/8" SS LOCK WASHER		0.01	0.05
TOTAL WT. #					39.43



**TOLERANCE NOTES**

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

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

DESCRIPTION  
**RRU  
 DUAL SWIVEL MOUNT**

CPD NO.	DRAWN BY CEK 1/12/2015	ENG. APPROVAL
CLASS 81	SUB 01	DRAWING USAGE SHOP
	CHECKED BY BMC 2/3/2015	

**SITE PRO 1**  
 A valmont COMPANY

Engineering Support Team:  
 1-866-753-7446

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

PART NO.	RRUDSM
DWG. NO.	RRUDSM