



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

October 24, 2023

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

RE: **Notice of Exempt Modification for Verizon
Crown #826768_Crown_VZW
171 Town Hill Road, Plymouth, CT 06786
Latitude: 41° 40' 6.20" / Longitude: -73° 1' 11.84"**

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 171 Town Hill Road, Plymouth, CT 06786. The property is owned by Terryville Country Fair Inc. and the tower is owned by Crown Castle. Verizon now intends to add two (2) interference mitigation filters to be installed at the 146-foot level of the tower of the 169-foot monopole. This modification may include B2, B5, B17, B14, B29, B30, B66 & n77 hardware that is 4G(LTE) and/or 5GNR capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:

Installed New:

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

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

The facility was approved by the Town of Plymouth's Planning and Zoning Commission via a Special Permit, on June 22, 2000. The approval was given with conditions which this exempt modification complies with. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Mayor Joseph T. Kilduff and Director of Planning Margus T. Laan for the municipality and Terryville Country Fair Inc for the property owner. Crown Castle is the tower owner. The proposed modifications will not result in an increase in the height of the existing tower.

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

The Foundation for a Wireless World.
CrownCastle.com

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

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

Sincerely,



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

Attachments

cc:

Mayor Joseph T. Kilduff
Town Hall
80 Main Street
Terryville, CT 06786
860-585-4001

Director of Planning Margus T. Laan
Town Hall
80 Main Street
Terryville, CT 06786
860-585-4001

Terryville Country Fair Inc., *Property Owner*
10 Scott Road
Terryville, CT 06786
860-283-9300

Crown Castle, *Tower Owner*

CROWN CASTLE USA INC.
2000 CORPORATE DRIVE
CANONSBURG PA 15317
724-416-2000

JPMorgan Chase Bank, N.A.
DALLAS TX
32-61/1110

2899922

SIX HUNDRED TWENTY FIVE AND 00/100*****

DATE 09/29/23

\$*****625.00

Pay To Connecticut Siting Council
The Ten Franklin Square
Order Of New Britain CT 06051

2695915

Robert A. Allen VP, Controller
Robert A. Allen VP, Controller

VOID AFTER 180 DAYS

⑈ 2899922 ⑈ ⑆ 111000614 ⑆ 103410453 ⑈

Check No 2899922

Check Date 09/29/23

Stub 1 of 1

CKRQ 826768 654629 CSC ZA	09/29/23	Invoice Summ	625.00	625.00
			<u>625.00</u>	<u>625.00</u>

From: TrackingUpdates@fedex.com
To: [Tatasciore, Domenica](#)
Subject: FedEx Shipment 773642629183: Your package has been delivered
Date: Tuesday, October 24, 2023 10:12:10 AM

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.

FedEx



Hi. Your package was
delivered Tue, 10/24/2023 at
10:05am.



Delivered to 80 MAIN ST, TERRYVILLE, CT 06786
Received by D.BERG

[OBTAIN PROOF OF DELIVERY](#)

How was your delivery ?



TRACKING NUMBER [773642629183](#)

FROM Crown Castle
1800 West Park Drive
Suite 200
WESTBOROUGH, MA, US, 01581

TO Town Hall
Mayor Joseph T. Kilduff
80 Main Street
TERRYVILLE, CT, US, 06786

REFERENCE 799001.7680

SHIPPER REFERENCE 799001.7680

SHIP DATE Mon 10/23/2023 05:52 PM

DELIVERED TO Receptionist/Front Desk

PACKAGING TYPE FedEx Envelope

ORIGIN WESTBOROUGH, MA, US, 01581

DESTINATION TERRYVILLE, CT, US, 06786

NUMBER OF PIECES 1

TOTAL SHIPMENT WEIGHT 0.50 LB

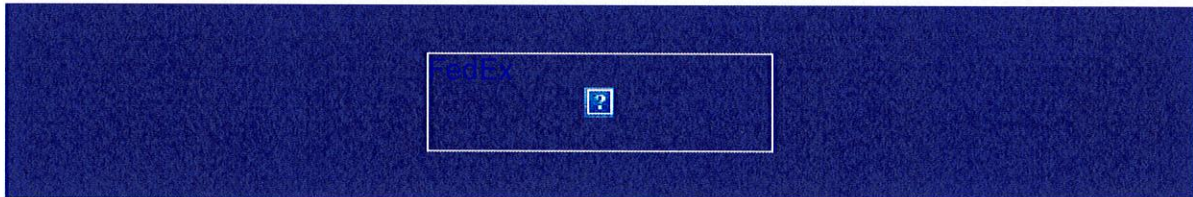
SERVICE TYPE FedEx Priority Overnight

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From: TrackingUpdates@fedex.com
To: [Tatasciore, Domenica](#)
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Date: Tuesday, October 24, 2023 10:12:10 AM

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10:05am.



Delivered to 80 MAIN ST, TERRYVILLE, CT 06786
Received by D.BERG

[OBTAIN PROOF OF DELIVERY](#)

How was your delivery ?



TRACKING NUMBER [773642668478](#)

FROM Crown Castle
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Suite 200
WESTBOROUGH, MA, US, 01581

TO Town Hall
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From: TrackingUpdates@fedex.com
To: [Tatasciore, Domenica](#)
Subject: FedEx Shipment 773642701297: Your package has been delivered
Date: Tuesday, October 24, 2023 11:34:44 AM

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.

FedEx



Hi. Your package was
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11:28am.



[OBTAIN PROOF OF DELIVERY](#)



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How was your delivery ?



TRACKING NUMBER	773642701297
FROM	WESTBOROUGH, MA, US
TO	TERRYVILLE, CT, US
SHIP DATE	Mon 10/23/2023 05:52 PM
DELIVERED TO	Residence
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US
DESTINATION	TERRYVILLE, CT, US
SPECIAL HANDLING	Residential Delivery
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

TOWN OF PLYMOUTH, CONNECTICUT

ZONING PERMIT NO. 00-201

Fee Paid: \$ 100.00 H 058194

Date: July 5 19 2000

Permission is hereby granted to Terryville Lions Club & Amnigant fair
to erect a Telecommunication tower on the east side of Town Hall Rd (grounds
as follows: Size ft. long, ft. wide, stories high; distance from
road center line ft.; distance from each lot line: E ft.; W ft.; S ft.;
N ft.; for the use of the facility as a Telecommunication tower
as approved by Pt 2 on 6/22/2000 with stipulations

PLANNING AND ZONING COMMISSION, TOWN OF PLYMOUTH CONNECTICUT

A see approved Site Plan
dated 3/30/00 Received 6/20/2000
3/16/2000

Ronald F. Wornick

Agent of the Planning and Zoning Commission

The recipient of this permit accepts this permit on the condition that he, as owner or as representing the owner, agrees to comply with all applicable ordinances and regulations of the Town of Plymouth and the State of Connecticut regarding the use, occupancy and type of activity to be instituted. It is furthermore understood that the facility can not be used until a Certificate of Occupancy has been issued by the Planning and Zoning Commission and that any change of use similarly does require a new Certificate of Occupancy. Before a Certificate of Occupancy will be issued a plot plan drawn to a scale of 1" = 50' prepared and certified by a licensed engineer or land surveyor must be submitted to the Planning and Zoning Commission showing all boundaries of the line of any public or private right-of-way, sanitary facilities and water supply. This permit shall be valid for one year.

MOTION: Gaye Zukauskas made a motion to add Town Hill Road/Lions back on the agenda. Steve Panasuk seconded. **VOTE:** S. Panasuk – Aye, G. Zukauskas – Aye, W. Radke – Aye and Chairman Herzog so voted.

MOTION: Patrick Herzog made a motion for a 5-minute recess at 9:23 p.m. **VOTE:** All in favor.

Chairman Patrick Herzog called the meeting back to order at 9:28 p.m.

Town Hill Road/Lions - Special Permit – Telecommunication Tower – Omnipoint –
MOTION: Gaye Zukauskas made a motion to approve the application for the telecommunication tower-Town Hill Road-Lions Club and Omnipoint-State ID #CT-11417C consisting of 5 sheets, cover dated 6/20/00, vicinity plan dated 3/8/00, sheet C-1, C-2 and C-3 all dated 6/20/00 with the only stipulation that Plymouth emergency services to have free access as needed with no charge to the Town. Any additional carriers to come in for a special permit. Bond to be set by Public Works in the event of abandonment. Steve Panasuk seconded. **VOTE:** S. Panasuk – Aye, G. Zukauskas – Aye, W. Radke – Aye and Chairman Herzog so voted.

11. Town Hill/Washington Roads – Pines Subdivision – Bond Reduction – CT Water Co. –
CT Water Co. has sold most of the lots in the subdivision to Mr. Zappone. Discussion was had.
MOTION: Wayne Radke made a motion to reduce the bond as requested and get a new bond from Mr. Zappone before reduction of CT Water Co.'s bond. Gaye Zukauskas seconded. **VOTE:** S. Panasuk – Aye, G. Zukauskas – Aye, W. Radke – Aye and Chairman Herzog so voted.

16. Plymouth Housing Authority – Section 8-24 Review – Yefko Property – Mr. Kuehn read the memo dated 6/21 from Anthony A. Lorenzetti, PE into the record. He is in support of this proposal. It would be a solution to the parking situation at Gosinski Park. Half of it would be for off street parking and the other half for a minimum 20,000 sq. ft. residential parcel for a low/moderate income housing. The resolution should be 39,100 not 29,100. Mr. Kuehn read the resolution into the record. **MOTION:** Gaye Zukauskas made a motion to accept the resolution for an 8-24 review. Wayne Radke seconded. **VOTE:** S. Panasuk – Aye, G. Zukauskas – Aye, W. Radke – Aye and Chairman Herzog so voted.

18. Land Use Corner – Gaye strikes again. The final revision has been faxed to the Plymouth News. Gaye suggested that Mr. Kuehn do one next month on industrial property.

21. Correspondence from ZBA Chairman Mike Cole – Patrick Herzog will call Mike Cole and get a time set up – probably in September to get together to discuss the zoning regulations. It was suggested to have Mike come up with an agenda of issues to look at ahead of time.

22. Proposed ordinance for zoning violations – The Town Council tabled this item at their last meeting so no public hearing has been scheduled. It recommends a \$150 fine per violation. Maybe we can not issue any permits to people who have not finished and cleaned up their last items.

STAFF COMMENTS –Mr. Kuehn informed the Commission that 36 signs will be going up in the industrial park for the public hearing.



Town of Plymouth, CT

Property Listing Report

Map Block Lot

048-074B-002

Building #

Unique Identifier

00280900

Property Information

Property Location	171 TOWN HILL RD
Mailing Address	10 SCOTT RD TERRYVILLE CT 06786
Land Use	State Vacant
Zoning Code	R-40
Neighborhood	103

Owner	TERRYVILLE COUNTY FAIR INC
Co-Owner	
Book / Page	0087/0394
Land Class	Commercial
Census Tract	4254
Acreage	0.41

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	0	0
Outbuildings	63800	44660
Land	51700	36190
Total	115500	80850

Utility Information

Electric	No
Gas	No
Sewer	Yes
Public Water	Yes
Well	No



Primary Construction Details

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

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

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

Report Created On

9/27/2023

Town of Plymouth, CT

Property Listing Report

Map Block Lot

048-074B-002

Building #

Unique Identifier

00280900

Detached Outbuildings

Type	Description	Area (sq ft)	Condition	Year Built
Garage	Frame	7200	Average	0
Garage	Frame	189	Average	0
Utility	Utility Frame	224	Average	0
Garage	Frame	420	Average	1972

Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
TERRYVILLE COUNTY FAIR INC	0388_1059	8/28/2007	0
TERRYVILLE LIONS CLUB	0087_0394	1/1/1900	0

Town of Plymouth

Geographic Information System (GIS)



Date Printed: 9/27/2023



MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The Town of Plymouth and its mapping contractors assume no legal responsibility for the information contained herein.

Approximate Scale: 1 inch = 200 feet

0 200
Feet



191 FT 3 IN TIP OF EQUIPMENT

27'-5"

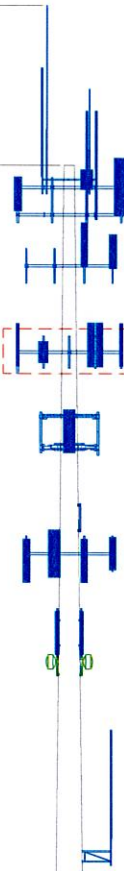
191'-9" (AGL)

149'-0"

4'-0"
(NAD)

6'-0"

2'-0"



★ 167 FT LEVEL
REF. DWG. 826768_A_167.J
★ 164 FT LEVEL
REF. DWG. 826768_A_164.J

PLYMOUTH CT, TOWN OF
PLYMOUTH CT, TOWN OF
T-MOBILE

★ 155 FT LEVEL
REF. DWG. 826768_A_155.J

SPRINT PCS

★ 143 FT LEVEL
REF. DWG. 826768_A_143.J

VERIZON WIRELESS

★ 132 FT LEVEL
REF. DWG. 826768_A_132.J

DISH NETWORK

★ 120 FT LEVEL (EMPTY)
REF. DWG. 826768_A_120.J

UNKNOWN

★ 115 FT LEVEL
REF. DWG. 826768_A_115.J

AT&T MOBILITY

★ 104 FT LEVEL (ABANDONED)
REF. DWG. 826768_A_104.J

ORDAN CASTLE TDC

★ 100 FT LEVEL (SUA)
REF. DWG. 826768_A_100.J

PLYMOUTH CT, TOWN OF

★ 73 FT LEVEL
REF. DWG. 826768_A_73.J

UNKNOWN

BOTTOM OF TOWER STEEL
BASE PLATE ELEV 0'-0"

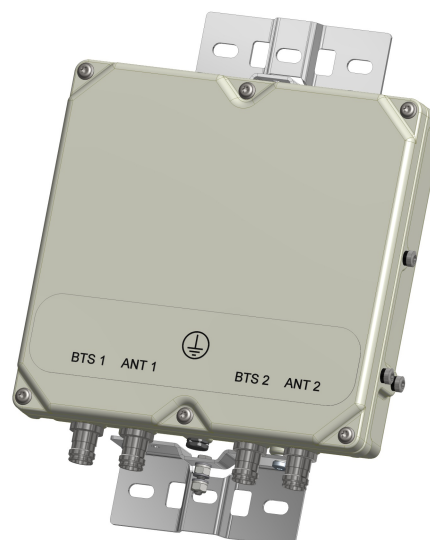
BSF0020F3V1-1

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	

ELECTRICAL

Impedance	50Ohms
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm

DC / AISG

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

ENVIRONMENTAL

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

MECHANICAL

Dimensions H x D x W	269 x 277 x 80mm 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.

ORDERING INFORMATION

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

ELECTRICAL BLOCK DIAGRAM

ANT1



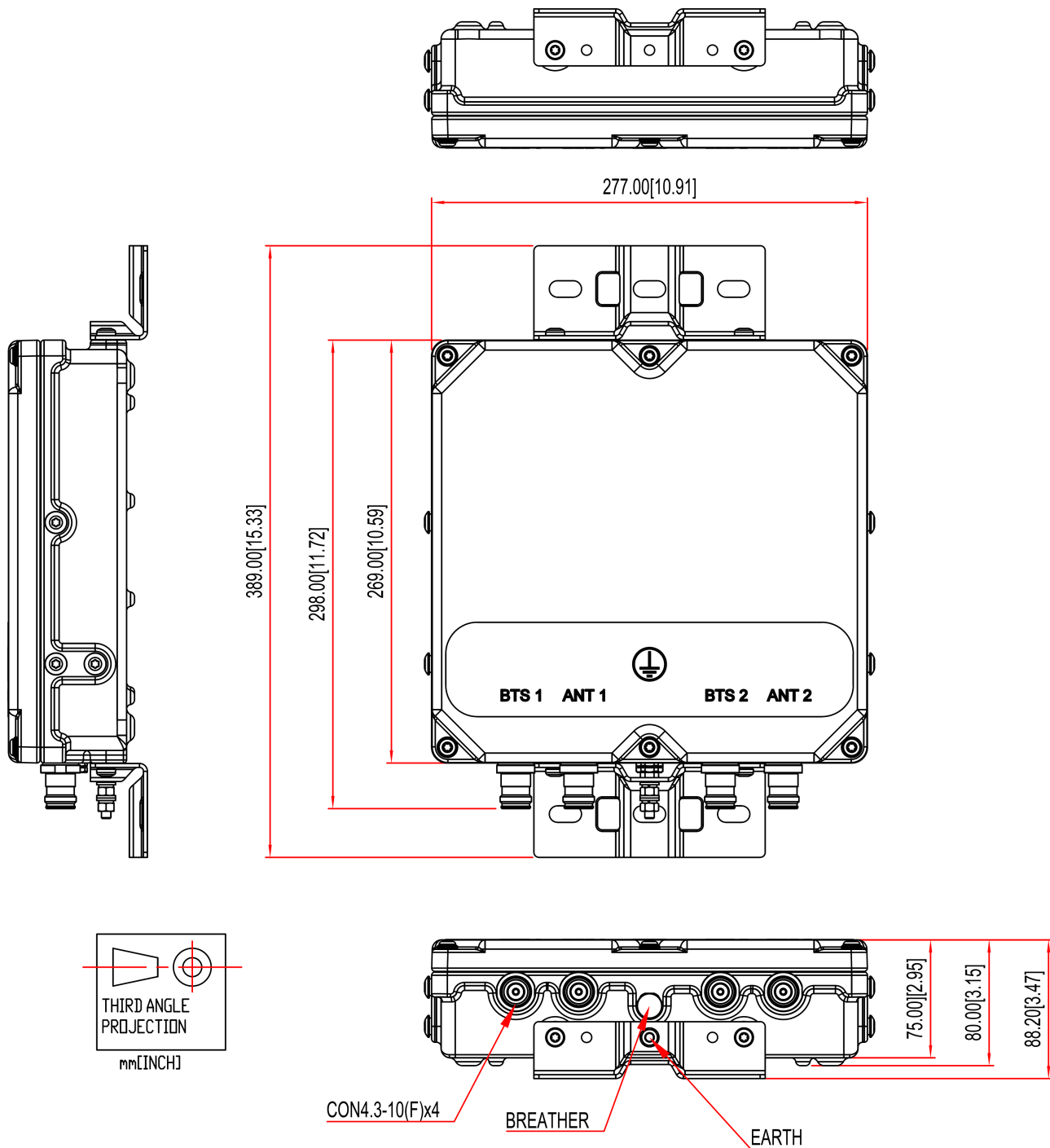
BTS1

ANT2



BTS2

MECHANICAL BLOCK DIAGRAM





Colliers Engineering & Design, Architecture, Landscape Architecture, Surveying, CT P.C.
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800
peter.albano@collierseng.com

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10206343
Colliers Engineering & Design Project #: 23777093

October 10, 2023

Site Information

Site ID: 5000232500-VZW / PLYMOUTH CT
Site Name: PLYMOUTH CT
Carrier Name: Verizon Wireless
Address: 171 Town Hill Road
Plymouth, Connecticut 06786
Litchfield County
Latitude: 41.668389°
Longitude: -73.019956°

Structure Information

Tower Type: 200-Ft Monopole
Mount Type: 13.67-Ft Platform

FUZE ID # 17123739

Analysis Results

Platform: 52.1% Pass*

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

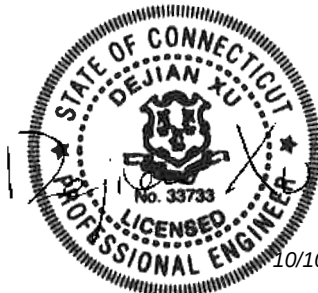
***Contractor PMI Requirements:

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

Report Prepared By: Andy Hanes



10/10/2023

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
Mount Mapping Report	Onsight Services, Site ID: 17123739, dated July 29, 2023
Previous Mount Analysis Report	Tower Engineering Professionals, Project ID: 25661.584643, dated August 13, 2021
Filter Add Scope	Provided by Verizon Wireless

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.968
Seismic Parameters:	S_s : 0.185 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
144.50	145.00	2	KAelus	KA-6030	Added
		6	Antel	LPA-80080/6CF	Retained
		6	Commscope	SBNHH-1D65B	
		3	Samsung	MT6407-77A	
		3	Samsung	RFV01U-D2A	
		3	Samsung	RFV01U-D1A	
		2	Raycap	RRFDC-3315-PF-48*	

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

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design, Architecture, Landscape Architecture, Surveying, 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, Architecture, Landscape Architecture, Surveying, 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, Architecture, Landscape Architecture, Surveying, 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:
 - Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - HSS (Rectangular) ASTM 500 (Gr. B-46)
 - Pipe ASTM A53 (Gr. B-35)
 - Threaded Rod F1554 (Gr. 36)
 - Bolts ASTM A325

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design, Architecture, Landscape Architecture, Surveying, CT P.C.

Analysis Results:

Component	Utilization %	Pass/Fail
Connection Check	20.3 %	Pass
Face Horizontal	18.9 %	Pass
End Plate	17.7 %	Pass
Standoff Horizontal	17.4 %	Pass
Cross Brace	38.7 %	Pass
Kicker	12.2 %	Pass
Antenna Pipe	52.1 %	Pass
V-Brace	20.5 %	Pass

Structure Rating – (Controlling Utilization of all Components)	52.1%
---	--------------

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	25.3	25.3	41.3	41.3
0.5	33.0	33.0	55.7	55.7
1	40.0	40.0	69.4	69.4

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.

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

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

MDG #: 5000232500

SMART Project #: 10206343

Fuze Project ID: 17123739

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:

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

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:	

Sector: **A**

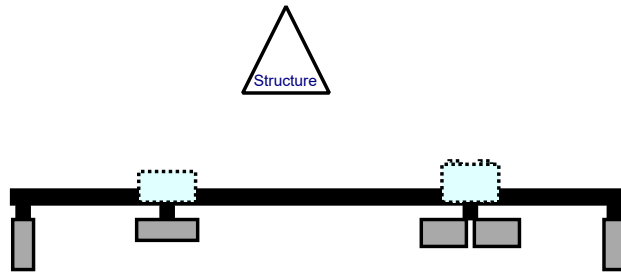
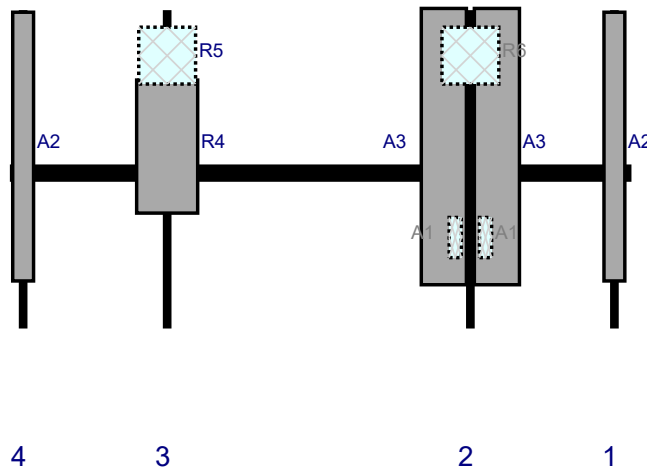
10/8/2023

Structure Type: Monopole

10206343

Mount Elev: 144.50

Page: 1

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	LPA-80080/6CF	70.9	5.5	159.5	1	a	Front	36	0	Retained	07/29/2023
A3	SBNHH-1D65B	72.9	11.9	121.5	2	a	Front	36	7	Retained	07/29/2023
A3	SBNHH-1D65B	72.9	11.9	121.5	2	b	Front	36	-7	Retained	07/29/2023
A1	KA-6030	10.6	3.2	121.5	2	a	Behind	60	4	Added	
A1	KA-6030	10.6	3.2	121.5	2	b	Behind	60	-4	Added	
R6	RFV01U-D1A	15	15	121.5	2	a	Behind	12	0	Retained	07/29/2023
R4	MT6407-77A	35.1	16.1	41.5	3	a	Front	36	0	Retained	07/29/2023
R5	RFV01U-D2A	15	15	41.5	3	a	Behind	12	0	Retained	07/29/2023
A2	LPA-80080/6CF	70.9	5.5	3.5	4	a	Front	36	0	Retained	07/29/2023

Sector: **B**

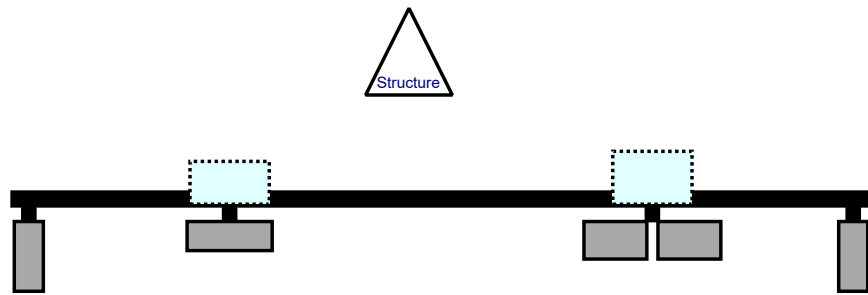
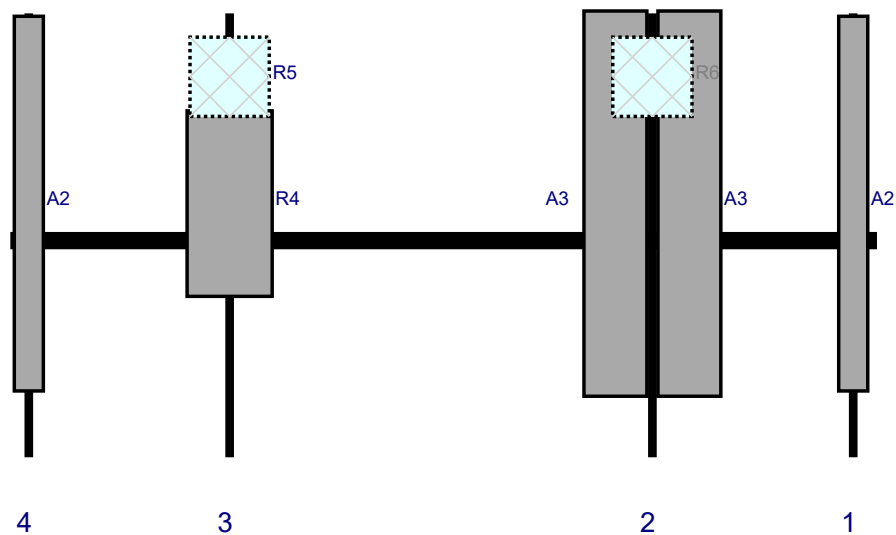
10/8/2023

Structure Type: Monopole

10206343

Mount Elev: 144.50

Page: 2

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	LPA-80080/6CF	70.9	5.5	159.5	1	a	Front	36	0	Retained	07/29/2023
A3	SBNHH-1D65B	72.9	11.9	121.5	2	a	Front	36	7	Retained	07/29/2023
A3	SBNHH-1D65B	72.9	11.9	121.5	2	b	Front	36	-7	Retained	07/29/2023
R6	RFV01U-D1A	15	15	121.5	2	a	Behind	12	0	Retained	07/29/2023
R4	MT6407-77A	35.1	16.1	41.5	3	a	Front	36	0	Retained	07/29/2023
R5	RFV01U-D2A	15	15	41.5	3	a	Behind	12	0	Retained	07/29/2023
A2	LPA-80080/6CF	70.9	5.5	3.5	4	a	Front	36	0	Retained	07/29/2023

Sector: **C**

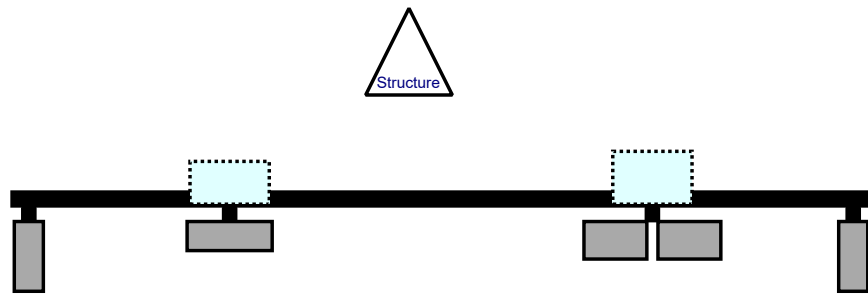
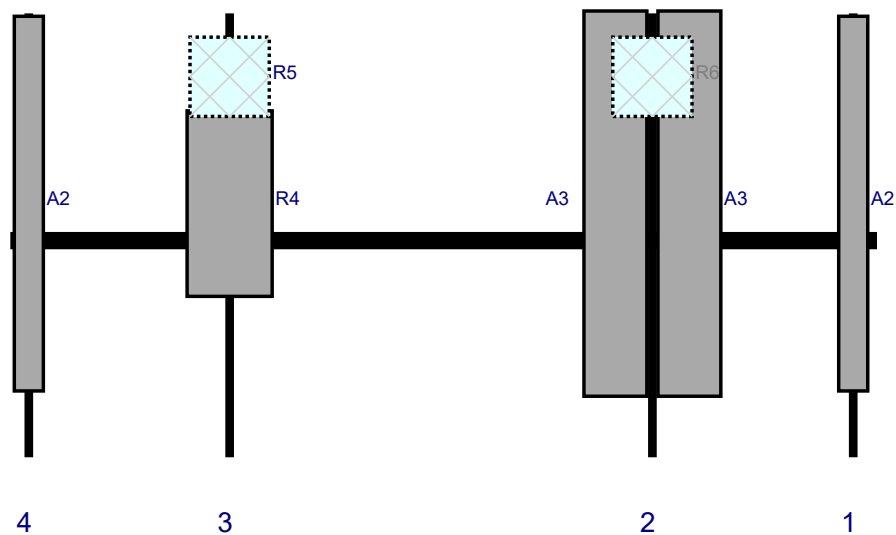
10/8/2023

Structure Type: Monopole

10206343

Mount Elev: 144.50

Page: 3

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	LPA-80080/6CF	70.9	5.5	159.5	1	a	Front	36	0	Retained	07/29/2023
A3	SBNHH-1D65B	72.9	11.9	121.5	2	a	Front	36	7	Retained	07/29/2023
A3	SBNHH-1D65B	72.9	11.9	121.5	2	b	Front	36	-7	Retained	07/29/2023
R6	RFV01U-D1A	15	15	121.5	2	a	Behind	12	0	Retained	07/29/2023
R4	MT6407-77A	35.1	16.1	41.5	3	a	Front	36	0	Retained	07/29/2023
R5	RFV01U-D2A	15	15	41.5	3	a	Behind	12	0	Retained	07/29/2023
A2	LPA-80080/6CF	70.9	5.5	3.5	4	a	Front	36	0	Retained	07/29/2023



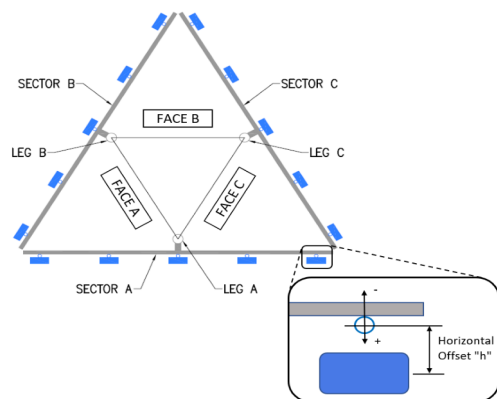
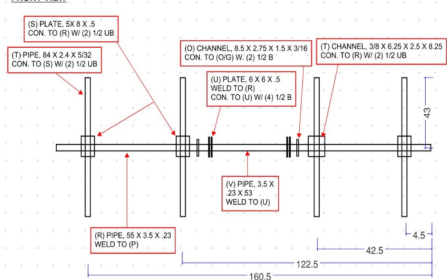
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	Mapping Date:	7/29/2023
Site Name:	PLYMOUTH CT	Tower Type:	Monopole
Site Number or ID:	17123739	Tower Height (Ft.):	200
Mapping Contractor:	ONSIGHT SERVICES	Mount Elevation (Ft.):	145

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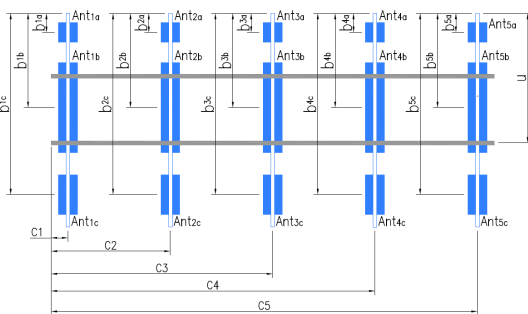
FRONT VIEW



Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."
A1	84 X 2.4 X 5/32	43.00	4.50	C1	84 X 2.4 X 5/32	43.00	4.50
A2	84 X 2.4 X 5/32	43.00	42.50	C2	84 X 2.4 X 5/32	43.00	42.50
A3	84 X 2.4 X 5/32	43.00	122.50	C3	84 X 2.4 X 5/32	43.00	122.50
A4	84 X 2.4 X 5/32	43.00	160.50	C4	84 X 2.4 X 5/32	43.00	160.50
A5				C5			
A6				C6			
B1	84 X 2.4 X 5/32	43.00	4.50	D1			
B2	84 X 2.4 X 5/32	43.00	42.50	D2			
B3	84 X 2.4 X 5/32	43.00	122.50	D3			
B4	84 X 2.4 X 5/32	43.00	160.50	D4			
B5				D5			
B6				D6			
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional information or comments below.							
18 X 5.5" FLATS							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):		5.5			

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center- line (Ft.)	Vertical Distances"b _{1a} , b _{2a} , b _{3a} , b _{1b} ,..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant _{1a}										
Ant _{1b}	AMPHENOL	5.75	13.25	71.00		145	36.00	16.00	0.00	267-275
Ant _{1c}										
Ant _{2a}	SAMSUNG, RFV01U-D1A					147	21.00	-10.00		285-293
Ant _{2b}	COMMSCOPE, SBNHH-1D65B					145	48.00	9.00	0.00	276-284
Ant _{2c}	COMMSCOPE, SBNHH-1D65B					145	48.00	9.00	0.00	276-284
Ant _{3a}										
Ant _{3b}	SAMSUNG, MT6407-77A					145	36.00	9.00	0.00	294-303
Ant _{3c}	SAMSUNG, RFV01U-D2A					146	18.00	-9.00		304
Ant _{4a}										
Ant _{4b}	AMPHENOL	5.75	13.25	71.00		145	36.00	16.00	0.00	313-316
Ant _{4c}										
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff										
Ant on Standoff	RAYCAP, RRFDC-3315-PF-48					149				324-325
Ant on Tower										
Ant on Tower										

Antenna Layout (Looking Out From Tower)



Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

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.

SMART Tool[®] Vendor

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	Mapping Date:	7/29/2023
Site Name:	PLYMOUTH CT	Tower Type:	Monopole
Site Number or ID:	17123739	Tower Height (Ft.):	200
Mapping Contractor:	ONSIGHT SERVICES	Mount Elevation (Ft.):	145

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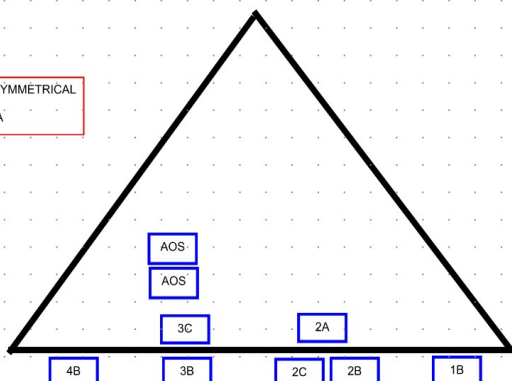
Please Insert Sketches of the Antenna Mount

AZIMUTH



ALL SECTORS ARE SYMMETRICAL
AOS ONLY ON ALPHA

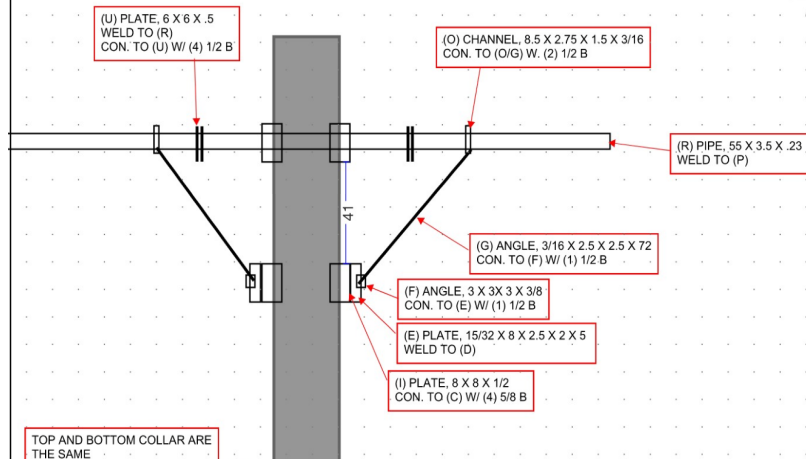
NORTH.



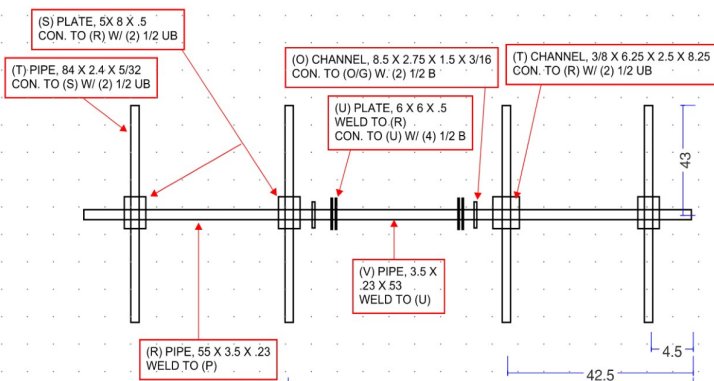
Site Number:

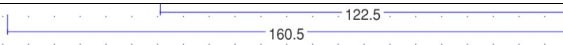
All measurements / offsets given in inches

SIDE VIEW



FRONT VIEW





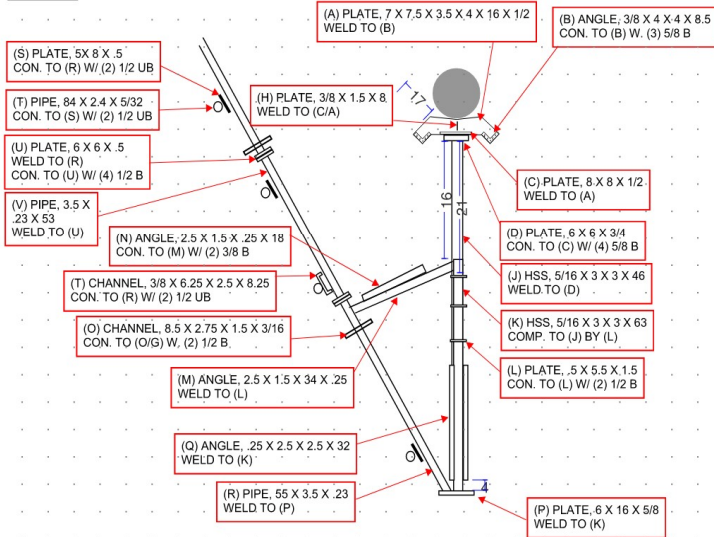
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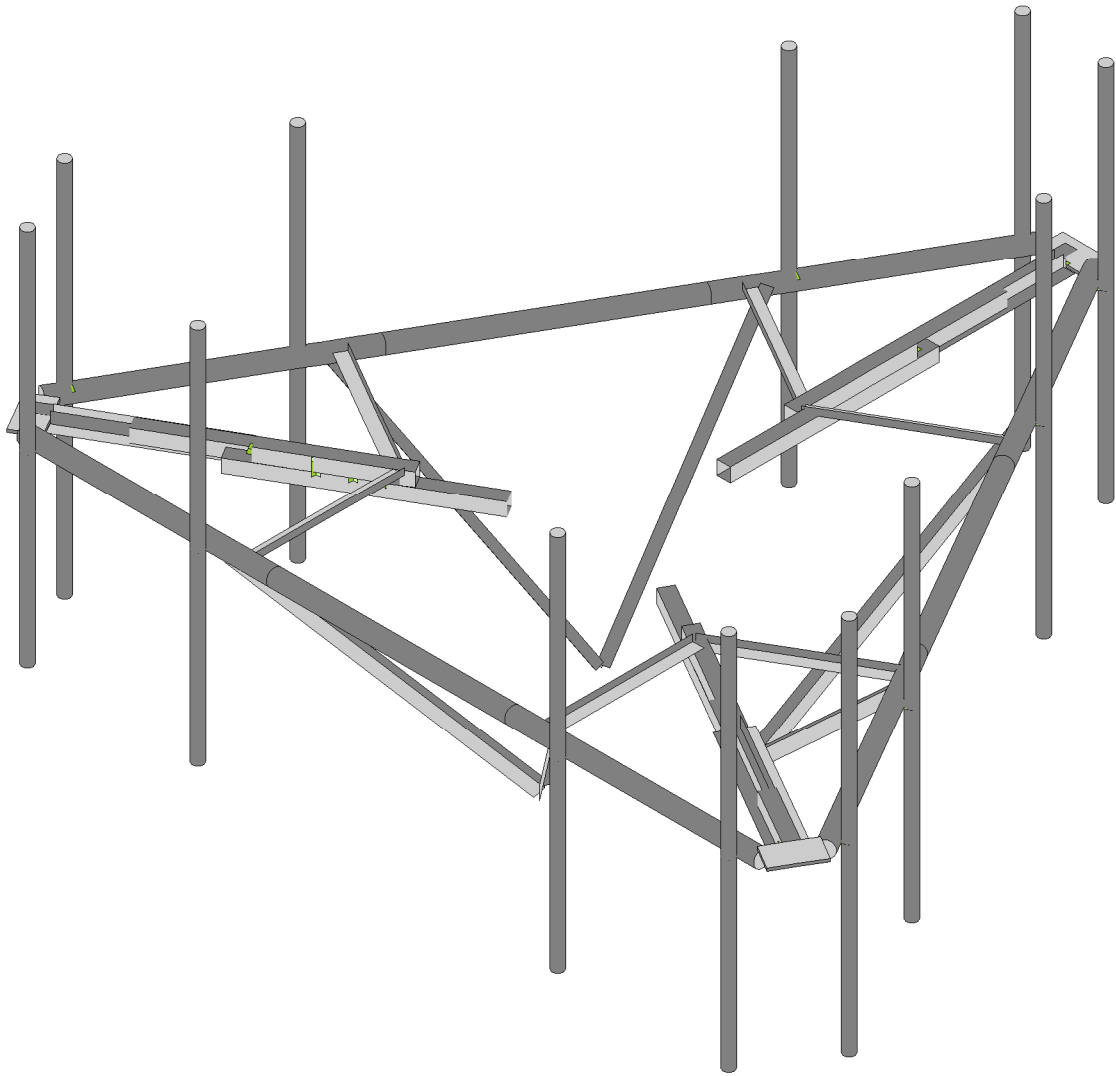
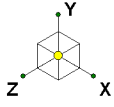
Site Number:

All measurements / offsets given in inches



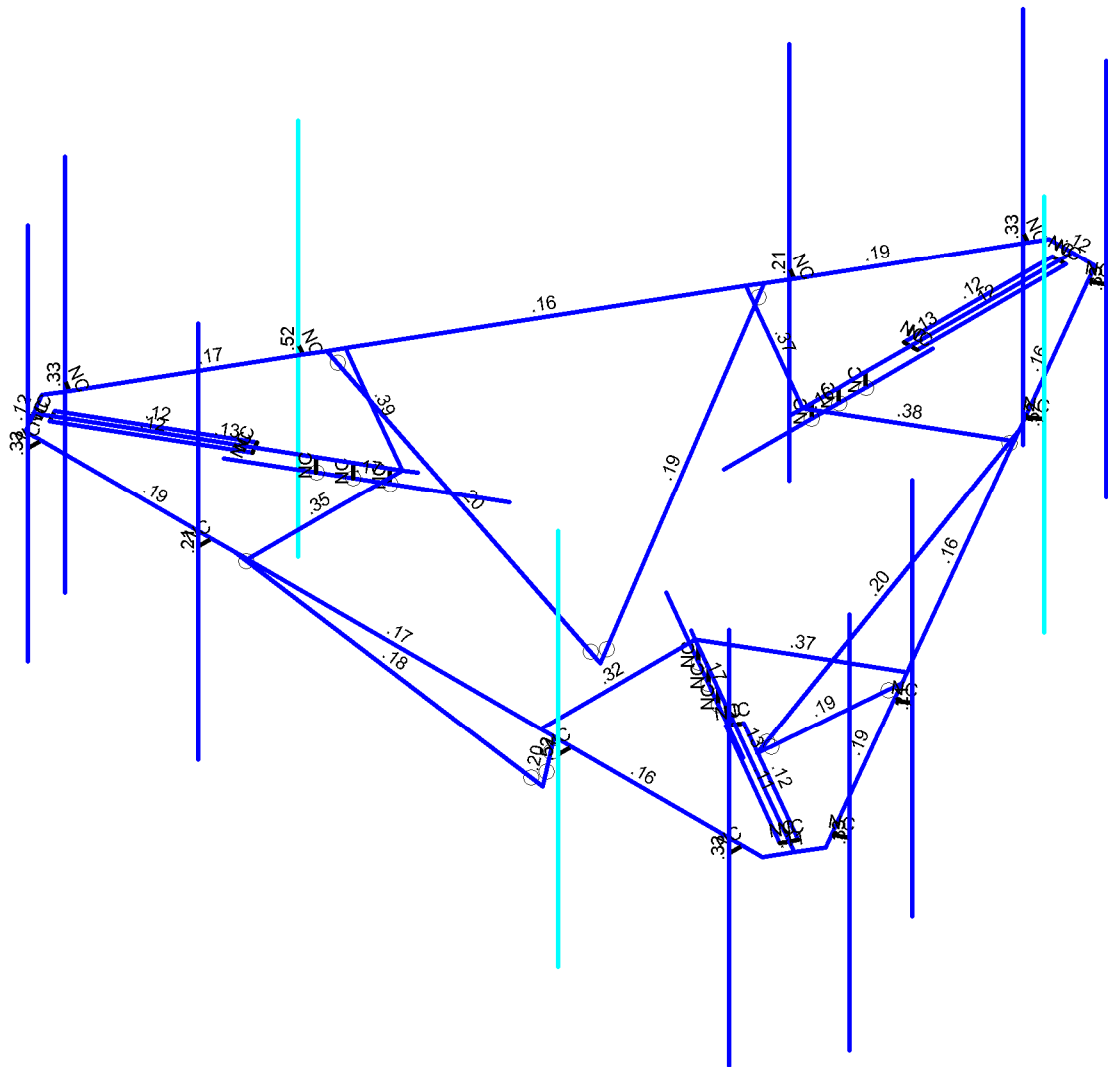
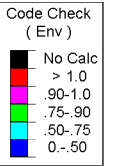
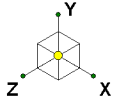
TOP VIEW





Envelope Only Solution

		SK - 1
		Oct 8, 2023 at 4:31 PM
		5000232500-VZW_MT_LO_H.r3d

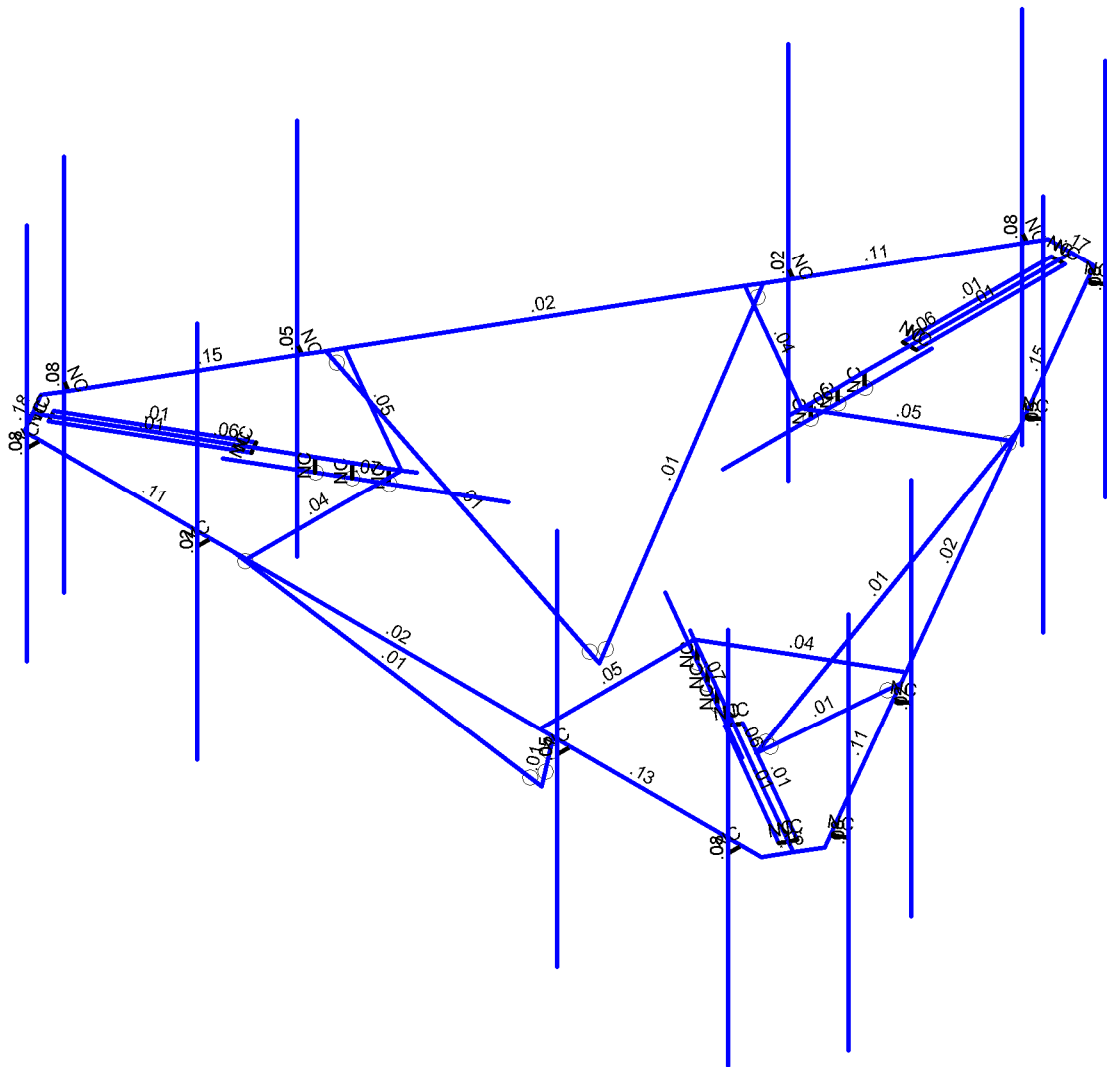
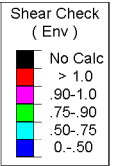
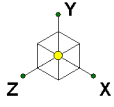


Member Code Checks Displayed (Enveloped)
Envelope Only Solution

SK - 2

Oct 8, 2023 at 4:31 PM

5000232500-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

SK - 3

Oct 8, 2023 at 4:31 PM

5000232500-VZW_MT_LO_H.r3d

Basic Load Cases

BLC Description		Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					120			
2	Antenna Di	None					120			
3	Antenna Wo (0 Deg)	None					120			
4	Antenna Wo (30 Deg)	None					120			
5	Antenna Wo (60 Deg)	None					120			
6	Antenna Wo (90 Deg)	None					120			
7	Antenna Wo (120 Deg)	None					120			
8	Antenna Wo (150 Deg)	None					120			
9	Antenna Wo (180 Deg)	None					120			
10	Antenna Wo (210 Deg)	None					120			
11	Antenna Wo (240 Deg)	None					120			
12	Antenna Wo (270 Deg)	None					120			
13	Antenna Wo (300 Deg)	None					120			
14	Antenna Wo (330 Deg)	None					120			
15	Antenna Wi (0 Deg)	None					120			
16	Antenna Wi (30 Deg)	None					120			
17	Antenna Wi (60 Deg)	None					120			
18	Antenna Wi (90 Deg)	None					120			
19	Antenna Wi (120 Deg)	None					120			
20	Antenna Wi (150 Deg)	None					120			
21	Antenna Wi (180 Deg)	None					120			
22	Antenna Wi (210 Deg)	None					120			
23	Antenna Wi (240 Deg)	None					120			
24	Antenna Wi (270 Deg)	None					120			
25	Antenna Wi (300 Deg)	None					120			
26	Antenna Wi (330 Deg)	None					120			
27	Antenna Wm (0 Deg)	None					120			
28	Antenna Wm (30 Deg)	None					120			
29	Antenna Wm (60 Deg)	None					120			
30	Antenna Wm (90 Deg)	None					120			
31	Antenna Wm (120 Deg)	None					120			
32	Antenna Wm (150 Deg)	None					120			
33	Antenna Wm (180 Deg)	None					120			
34	Antenna Wm (210 Deg)	None					120			
35	Antenna Wm (240 Deg)	None					120			
36	Antenna Wm (270 Deg)	None					120			
37	Antenna Wm (300 Deg)	None					120			
38	Antenna Wm (330 Deg)	None					120			
39	Structure D	None		-1					3	
40	Structure Di	None						48	3	
41	Structure Wo (0 Deg)	None						96		
42	Structure Wo (30 Deg)	None						96		
43	Structure Wo (60 Deg)	None						96		
44	Structure Wo (90 Deg)	None						96		
45	Structure Wo (120 D...	None						96		
46	Structure Wo (150 D...	None						96		
47	Structure Wo (180 D...	None						96		
48	Structure Wo (210 D...	None						96		
49	Structure Wo (240 D...	None						96		
50	Structure Wo (270 D...	None						96		
51	Structure Wo (300 D...	None						96		
52	Structure Wo (330 D...	None						96		
53	Structure Wi (0 Deg)	None						96		

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						96	
55	Structure Wi (60 Deg)	None						96	
56	Structure Wi (90 Deg)	None						96	
57	Structure Wi (120 De...	None						96	
58	Structure Wi (150 De...	None						96	
59	Structure Wi (180 De...	None						96	
60	Structure Wi (210 De...	None						96	
61	Structure Wi (240 De...	None						96	
62	Structure Wi (270 De...	None						96	
63	Structure Wi (300 De...	None						96	
64	Structure Wi (330 De...	None						96	
65	Structure Wm (0 Deg)	None						96	
66	Structure Wm (30 De...	None						96	
67	Structure Wm (60 De...	None						96	
68	Structure Wm (90 De...	None						96	
69	Structure Wm (120 D...	None						96	
70	Structure Wm (150 D...	None						96	
71	Structure Wm (180 D...	None						96	
72	Structure Wm (210 D...	None						96	
73	Structure Wm (240 D...	None						96	
74	Structure Wm (270 D...	None						96	
75	Structure Wm (300 D...	None						96	
76	Structure Wm (330 D...	None						96	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					120		
82	Antenna Eh (0 Deg)	None					80		
83	Antenna Eh (90 Deg)	None					80		
84	Structure Ev	ELY		-.022					3
85	Structure Eh (0 Deg)	ELZ			-.056				3
86	Structure Eh (90 Deg)	ELX	.056						3
87	BLC 39 Transient Are...	None						135	
88	BLC 40 Transient Are...	None						135	
89	BLC 84 Transient Are...	None						54	
90	BLC 85 Transient Are...	None						54	
91	BLC 86 Transient Are...	None						54	

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						

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.	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									

Load Combinations (Continued)

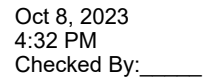
Description		Sol...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
72	0.9D - 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	.9	.39	.9	.81	-1	E...	-1	.82	-.5	.83	-.8...	E...	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	.9	.39	.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	0	0	0	0	
2	N2	6.833333	0	4.4375	0	
3	N3	-6.833333	0	4.4375	0	
4	N6	-2.208333	0	4.4375	0	
5	N8	2.208333	0	4.4375	0	
6	N14	0.426321	0	-8.13659	0	
7	N15	7.259654	0	3.69909	0	
8	N18	4.947154	0	-0.306277	0	
9	N20	2.738821	0	-4.131223	0	
10	N26	-7.259654	0	3.69909	0	
11	N27	-0.426321	0	-8.13659	0	
12	N30	-2.738821	0	-4.131223	0	
13	N32	-4.947154	0	-0.306277	0	
14	N38	-0.	0	-8.13659	0	
15	N39	-0.	0	-2.928257	0	
16	N40	-7.046494	0	4.068295	0	
17	N41	-2.535945	0	1.464128	0	
18	N42	7.046494	0	4.068295	0	
19	N43	2.535945	0	1.464128	0	
20	N44	-0.	-25	-5.553257	0	
21	N45	0	-25	-1.678257	0	
22	N46	-0.	0	-4.303257	0	
23	N47	-0.	0	-3.803257	0	
24	N48	-0.	0	-3.303257	0	
25	N49	-0.	-25	-4.303257	0	
26	N50	-0.	-25	-3.803257	0	
27	N51	-0.	-25	-3.303257	0	
28	N52	-4.809262	-25	2.776628	0	
29	N53	-1.453413	-25	0.839128	0	
30	N54	-3.72673	0	2.151628	0	
31	N55	-3.293717	0	1.901628	0	
32	N56	-2.860704	0	1.651628	0	
33	N57	-3.72673	-25	2.151628	0	
34	N58	-3.293717	-25	1.901628	0	
35	N59	-2.860704	-25	1.651628	0	
36	N60	4.809262	-25	2.776628	0	
37	N61	1.453413	-25	0.839128	0	
38	N62	3.72673	0	2.151628	0	
39	N63	3.293717	0	1.901628	0	
40	N64	2.860704	0	1.651628	0	
41	N65	3.72673	-25	2.151628	0	
42	N66	3.293717	-25	1.901628	0	
43	N67	2.860704	-25	1.651628	0	
44	N71	-2.716367	0	4.4375	0	
45	N69	-0.	0	-3.13659	0	
46	N70	-2.716367	0	1.568295	0	
47	N71A	2.716367	0	1.568295	0	
48	N72	2.716367	0	4.4375	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N89	-0.	0	-6.803257	0	
50	N91	-5.891793	0	3.401628	0	
51	N93	5.891793	0	3.401628	0	
52	N112A	-0.	0	-7.88659	0	
53	N113	.125	0	-7.88659	0	
54	N114	-.125	0	-7.88659	0	
55	N115A	-0.	0	-5.13659	0	
56	N116A	.125	0	-5.13659	0	
57	N117A	-.125	0	-5.13659	0	
58	N119	-6.829988	0	3.943295	0	
59	N120	-6.892488	0	3.835042	0	
60	N121A	-6.767488	0	4.051548	0	
61	N122A	-4.448418	0	2.568295	0	
62	N123A	-4.510918	0	2.460042	0	
63	N124A	-4.385918	0	2.676548	0	
64	N126	6.829988	0	3.943295	0	
65	N127A	6.767488	0	4.051548	0	
66	N128A	6.892488	0	3.835042	0	
67	N129A	4.448418	0	2.568295	0	
68	N130A	4.385918	0	2.676548	0	
69	N131A	4.510918	0	2.460042	0	
70	N129C	5.201171	0	0.133693	0	
71	N132	2.484804	0	-4.571193	0	
72	N134	-2.484804	0	-4.571193	0	
73	N137	-5.201171	0	0.133693	0	
74	N132A	-2.716367	0	2.9375	0	
75	N133	2.716367	0	2.9375	0	
76	N135	3.902133	0	0.883693	0	
77	N136	1.185766	0	-3.821193	0	
78	N138	-1.185766	0	-3.821193	0	
79	N139	-3.902133	0	0.883693	0	
80	N80	6.458333	0	4.4375	0	
81	N81	6.458333	0	4.6875	0	
82	N82	6.458333	3.583333	4.6875	0	
83	N83	6.458333	-3.416667	4.6875	0	
84	N84	3.291667	0	4.4375	0	
85	N85	3.291667	0	4.6875	0	
86	N86	3.291667	3.583333	4.6875	0	
87	N87	3.291667	-3.416667	4.6875	0	
88	N88	-3.375	0	4.4375	0	
89	N89A	-3.375	0	4.6875	0	
90	N90	-3.375	3.583333	4.6875	0	
91	N91A	-3.375	-3.416667	4.6875	0	
92	N92	-6.541667	0	4.4375	0	
93	N93A	-6.541667	0	4.6875	0	
94	N94	-6.541667	3.583333	4.6875	0	
95	N95	-6.541667	-3.416667	4.6875	0	
96	N97	0.613821	0	-7.811831	0	
97	N98	0.830327	0	-7.936831	0	
98	N99	0.830327	3.583333	-7.936831	0	
99	N100	0.830327	-3.416667	-7.936831	0	
100	N101	2.197154	0	-5.069417	0	
101	N102	2.413661	0	-5.194417	0	
102	N103	2.413661	3.583333	-5.194417	0	
103	N104	2.413661	-3.416667	-5.194417	0	
104	N105	5.530488	0	0.704086	0	
105	N106	5.746994	0	0.579086	0	



	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
106	N107	5.746994	3.583333	0.579086	0	
107	N108	5.746994	-3.416667	0.579086	0	
108	N109	7.113821	0	3.4465	0	
109	N110	7.330327	0	3.3215	0	
110	N111	7.330327	3.583333	3.3215	0	
111	N112	7.330327	-3.416667	3.3215	0	
112	N114A	-7.072154	0	3.374331	0	
113	N115	-7.288661	0	3.249331	0	
114	N116	-7.288661	3.583333	3.249331	0	
115	N117	-7.288661	-3.416667	3.249331	0	
116	N118	-5.488821	0	0.631917	0	
117	N119A	-5.705327	0	0.506917	0	
118	N120A	-5.705327	3.583333	0.506917	0	
119	N121	-5.705327	-3.416667	0.506917	0	
120	N122	-2.155488	0	-5.141586	0	
121	N123	-2.371994	0	-5.266586	0	
122	N124	-2.371994	3.583333	-5.266586	0	
123	N125	-2.371994	-3.416667	-5.266586	0	
124	N126A	-0.572154	0	-7.884	0	
125	N127	-0.788661	0	-8.009	0	
126	N128	-0.788661	3.583333	-8.009	0	
127	N129	-0.788661	-3.416667	-8.009	0	
128	N128B	-1.453413	-3.666667	-0.839129	0	
129	N129B	0.	-3.666667	1.678257	0	
130	N130	1.453413	-3.666667	-0.839128	0	
131	N131	-2.966367	0	4.4375	0	
132	N132B	2.966367	0	4.4375	0	
133	N135A	5.326171	0	0.350199	0	
134	N136A	2.359804	0	-4.787699	0	
135	N139A	-2.359804	0	-4.787699	0	
136	N140	-5.326171	0	0.350199	0	

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
3	Support Rail	PIPE 3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
4	Connector Pipe	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
5	Standoff Horizontal	HSS3X3X5	Beam	Tube	A500 Gr. B 46	Typical	2.94	3.45	3.45	5.94
6	Cross Brace	L2.5X1.5X.25	Beam	Single Angle	A36 Gr.36	Typical	.938	.161	.591	.018
7	Corner Plate	PL1/2x3	Beam	RECT	A36 Gr.36	Typical	1.5	.031	1.125	.112
8	End Plate	PL5/8X6	Beam	RECT	A36 Gr.36	Typical	3.75	.122	11.25	.456
9	Kicker	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
10	Face Brace	SR 1	Column	BAR	A36 Gr.36	Typical	.785	.049	.049	.098
11	Tieback	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
12	V-Brace	L2.5x2.5x3	Column	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011
13	TES Cross Brace	L2.5X1.5X.25	Column	Single Angle	A36 Gr.36	Typical	.938	.161	.591	.018

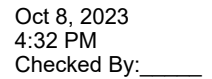
	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A53 Gr. B	29000	11154	.3	.65	.49	35	1.5	60	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1



Oct 8, 2023
4:32 PM
Checked By:

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
5	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
6	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N6			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
2	M3	N2	N8			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
3	M5	N8	N6			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
4	M13	N15	N18			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
5	M15	N14	N20			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
6	M17	N20	N18			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
7	M25	N27	N30			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
8	M27	N26	N32			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
9	M29	N32	N30			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
10	M37	N3	N26		90	End Plate	Beam	RECT	A36 Gr.36	Typical
11	M38	N2	N15		90	End Plate	Beam	RECT	A36 Gr.36	Typical
12	M39	N27	N14		90	End Plate	Beam	RECT	A36 Gr.36	Typical
13	M40	N38	N39			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
14	M41	N40	N41			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
15	M42	N42	N43			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
16	M43	N44	N45			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
17	M44	N48	N51			RIGID	None	None	RIGID	Typical
18	M45	N47	N50			RIGID	None	None	RIGID	Typical
19	M46	N46	N49			RIGID	None	None	RIGID	Typical
20	M47	N52	N53			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
21	M48	N56	N59			RIGID	None	None	RIGID	Typical
22	M49	N55	N58			RIGID	None	None	RIGID	Typical
23	M50	N54	N57			RIGID	None	None	RIGID	Typical
24	M51	N60	N61			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
25	M52	N64	N67			RIGID	None	None	RIGID	Typical
26	M53	N63	N66			RIGID	None	None	RIGID	Typical
27	M54	N62	N65			RIGID	None	None	RIGID	Typical
28	M55	N71	N70		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
29	M56	N71A	N72		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
30	M62A	N114	N112A			RIGID	None	None	RIGID	Typical
31	M63A	N112A	N113			RIGID	None	None	RIGID	Typical
32	M64	N117A	N115A			RIGID	None	None	RIGID	Typical
33	M65	N115A	N116A			RIGID	None	None	RIGID	Typical
34	M66	N116A	N113			Kicker	Beam	Single Angle	A36 Gr.36	Typical
35	M67	N117A	N114		270	Kicker	Beam	Single Angle	A36 Gr.36	Typical
36	M68	N121A	N119			RIGID	None	None	RIGID	Typical
37	M69	N119	N120			RIGID	None	None	RIGID	Typical
38	M70	N124A	N122A			RIGID	None	None	RIGID	Typical
39	M71	N122A	N123A			RIGID	None	None	RIGID	Typical
40	M72	N123A	N120			Kicker	Beam	Single Angle	A36 Gr.36	Typical
41	M73	N124A	N121A		270	Kicker	Beam	Single Angle	A36 Gr.36	Typical
42	M74A	N128A	N126			RIGID	None	None	RIGID	Typical
43	M75	N126	N127A			RIGID	None	None	RIGID	Typical
44	M76	N131A	N129A			RIGID	None	None	RIGID	Typical
45	M77A	N129A	N130A			RIGID	None	None	RIGID	Typical
46	M78	N130A	N127A			Kicker	Beam	Single Angle	A36 Gr.36	Typical
47	M79	N131A	N128A		270	Kicker	Beam	Single Angle	A36 Gr.36	Typical
48	M77C	N129C	N71A		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
49	M78B	N69	N132		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
50	M79A	N134	N69		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical



	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
51	M80B	N70	N137		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
52	M52A	N80	N81			RIGID	None	None	RIGID	Typical
53	MP1A	N82	N83			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
54	M54A	N84	N85			RIGID	None	None	RIGID	Typical
55	MP2A	N86	N87			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
56	M56A	N88	N89A			RIGID	None	None	RIGID	Typical
57	MP3A	N90	N91A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
58	M58	N92	N93A			RIGID	None	None	RIGID	Typical
59	MP4A	N94	N95			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
60	M60	N97	N98			RIGID	None	None	RIGID	Typical
61	MP1C	N99	N100			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
62	M62	N101	N102			RIGID	None	None	RIGID	Typical
63	MP2C	N103	N104			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
64	M64A	N105	N106			RIGID	None	None	RIGID	Typical
65	MP3C	N107	N108			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
66	M66A	N109	N110			RIGID	None	None	RIGID	Typical
67	MP4C	N111	N112			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
68	M68A	N114A	N115			RIGID	None	None	RIGID	Typical
69	MP1B	N116	N117			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
70	M70A	N118	N119A			RIGID	None	None	RIGID	Typical
71	MP2B	N120A	N121			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
72	M72A	N122	N123			RIGID	None	None	RIGID	Typical
73	MP3B	N124	N125			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
74	M74	N126A	N127			RIGID	None	None	RIGID	Typical
75	MP4B	N128	N129			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
76	M76A	N131	N129B		180	V-Brace	Column	Single Angle	A36 Gr.36	Typical
77	M77	N129B	N132B		180	V-Brace	Column	Single Angle	A36 Gr.36	Typical
78	M78A	N135A	N130		180	V-Brace	Column	Single Angle	A36 Gr.36	Typical
79	M79B	N130	N136A		180	V-Brace	Column	Single Angle	A36 Gr.36	Typical
80	M80	N139A	N128B		180	V-Brace	Column	Single Angle	A36 Gr.36	Typical
81	M81	N128B	N140		180	V-Brace	Column	Single Angle	A36 Gr.36	Typical

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M3						Yes				None
3	M5						Yes				None
4	M13						Yes				None
5	M15						Yes				None
6	M17						Yes				None
7	M25						Yes				None
8	M27						Yes				None
9	M29						Yes				None
10	M37						Yes				None
11	M38						Yes				None
12	M39						Yes				None
13	M40						Yes				None
14	M41						Yes				None
15	M42						Yes				None
16	M43						Yes				None
17	M44	BenPIN					Yes	** NA **			None
18	M45	BenPIN					Yes	** NA **			None
19	M46	BenPIN					Yes	** NA **			None
20	M47						Yes				None
21	M48	BenPIN					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...
22	M49	BenPIN					Yes	** NA **			None
23	M50	BenPIN					Yes	** NA **			None
24	M51						Yes				None
25	M52	BenPIN					Yes	** NA **			None
26	M53	BenPIN					Yes	** NA **			None
27	M54	BenPIN					Yes	** NA **			None
28	M55						Yes				None
29	M56						Yes				None
30	M62A						Yes	** NA **			None
31	M63A						Yes	** NA **			None
32	M64						Yes	** NA **			None
33	M65						Yes	** NA **			None
34	M66						Yes				None
35	M67						Yes				None
36	M68						Yes	** NA **			None
37	M69						Yes	** NA **			None
38	M70						Yes	** NA **			None
39	M71						Yes	** NA **			None
40	M72						Yes				None
41	M73						Yes				None
42	M74A						Yes	** NA **			None
43	M75						Yes	** NA **			None
44	M76						Yes	** NA **			None
45	M77A						Yes	** NA **			None
46	M78						Yes				None
47	M79						Yes				None
48	M77C						Yes				None
49	M78B						Yes				None
50	M79A						Yes				None
51	M80B						Yes				None
52	M52A						Yes	** NA **			None
53	MP1A						Yes	** NA **			None
54	M54A						Yes	** NA **			None
55	MP2A						Yes	** NA **			None
56	M56A						Yes	** NA **			None
57	MP3A						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	MP4A						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	MP1C						Yes	** NA **			None
62	M62						Yes	** NA **			None
63	MP2C						Yes	** NA **			None
64	M64A						Yes	** NA **			None
65	MP3C						Yes	** NA **			None
66	M66A						Yes	** NA **			None
67	MP4C						Yes	** NA **			None
68	M68A						Yes	** NA **			None
69	MP1B						Yes	** NA **			None
70	M70A						Yes	** NA **			None
71	MP2B						Yes	** NA **			None
72	M72A						Yes	** NA **			None
73	MP3B						Yes	** NA **			None
74	M74						Yes	** NA **			None
75	MP4B						Yes	** NA **			None
76	M76A	BenPIN	BenPIN				Yes	** NA **			None
77	M77	BenPIN	BenPIN				Yes	** NA **			None
78	M78A	BenPIN	BenPIN				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...
79	M79B	BenPIN	BenPIN				Yes	** NA **			None
80	M80	BenPIN	BenPIN				Yes	** NA **			None
81	M81	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-8.8	4.5
2	MP2A	My	.006	4.5
3	MP2A	Mz	.007	4.5
4	MP2A	Y	-8.8	5.5
5	MP2A	My	.006	5.5
6	MP2A	Mz	.007	5.5
7	MP2A	Y	-8.8	4.5
8	MP2A	My	.009	4.5
9	MP2A	Mz	.002	4.5
10	MP2A	Y	-8.8	5.5
11	MP2A	My	.009	5.5
12	MP2A	Mz	.002	5.5
13	MP1A	Y	-10.5	.5
14	MP1A	My	-.005	.5
15	MP1A	Mz	-.003	.5
16	MP1A	Y	-10.5	5.5
17	MP1A	My	-.005	5.5
18	MP1A	Mz	-.003	5.5
19	MP1B	Y	-10.5	.5
20	MP1B	My	.003	.5
21	MP1B	Mz	-.005	.5
22	MP1B	Y	-10.5	5.5
23	MP1B	My	.003	5.5
24	MP1B	Mz	-.005	5.5
25	MP1C	Y	-10.5	.5
26	MP1C	My	.003	.5
27	MP1C	Mz	.005	.5
28	MP1C	Y	-10.5	5.5
29	MP1C	My	.003	5.5
30	MP1C	Mz	.005	5.5
31	MP4A	Y	-10.5	.5
32	MP4A	My	-.005	.5
33	MP4A	Mz	-.003	.5
34	MP4A	Y	-10.5	5.5
35	MP4A	My	-.005	5.5
36	MP4A	Mz	-.003	5.5
37	MP4B	Y	-10.5	.5
38	MP4B	My	.003	.5
39	MP4B	Mz	-.005	.5
40	MP4B	Y	-10.5	5.5
41	MP4B	My	.003	5.5
42	MP4B	Mz	-.005	5.5
43	MP4C	Y	-10.5	.5
44	MP4C	My	.003	.5
45	MP4C	Mz	.005	.5
46	MP4C	Y	-10.5	5.5
47	MP4C	My	.003	5.5
48	MP4C	Mz	.005	5.5
49	MP2A	Y	-20.3	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
50	MP2A	My	-.015	.5
51	MP2A	Mz	.005	.5
52	MP2A	Y	-20.3	5.5
53	MP2A	My	-.015	5.5
54	MP2A	Mz	.005	5.5
55	MP2B	Y	-20.3	.5
56	MP2B	My	-.005	.5
57	MP2B	Mz	-.015	.5
58	MP2B	Y	-20.3	5.5
59	MP2B	My	-.005	5.5
60	MP2B	Mz	-.015	5.5
61	MP2C	Y	-20.3	.5
62	MP2C	My	.015	.5
63	MP2C	Mz	.003	.5
64	MP2C	Y	-20.3	5.5
65	MP2C	My	.015	5.5
66	MP2C	Mz	.003	5.5
67	MP2A	Y	-20.3	.5
68	MP2A	My	-.003	.5
69	MP2A	Mz	-.015	.5
70	MP2A	Y	-20.3	5.5
71	MP2A	My	-.003	5.5
72	MP2A	Mz	-.015	5.5
73	MP2B	Y	-20.3	.5
74	MP2B	My	.015	.5
75	MP2B	Mz	-.003	.5
76	MP2B	Y	-20.3	5.5
77	MP2B	My	.015	5.5
78	MP2B	Mz	-.003	5.5
79	MP2C	Y	-20.3	.5
80	MP2C	My	-.005	.5
81	MP2C	Mz	.015	.5
82	MP2C	Y	-20.3	5.5
83	MP2C	My	-.005	5.5
84	MP2C	Mz	.015	5.5
85	MP3A	Y	-43.55	2
86	MP3A	My	-.019	2
87	MP3A	Mz	-.011	2
88	MP3A	Y	-43.55	4
89	MP3A	My	-.019	4
90	MP3A	Mz	-.011	4
91	MP3B	Y	-43.55	2
92	MP3B	My	.011	2
93	MP3B	Mz	-.019	2
94	MP3B	Y	-43.55	4
95	MP3B	My	.011	4
96	MP3B	Mz	-.019	4
97	MP3C	Y	-43.55	2
98	MP3C	My	.011	2
99	MP3C	Mz	.019	2
100	MP3C	Y	-43.55	4
101	MP3C	My	.011	4
102	MP3C	Mz	.019	4
103	MP3A	Y	-70.3	1
104	MP3A	My	.03	1
105	MP3A	Mz	.018	1
106	MP3B	Y	-70.3	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
107	MP3B	My	-.018	1
108	MP3B	Mz	.03	1
109	MP3C	Y	-70.3	1
110	MP3C	My	-.018	1
111	MP3C	Mz	-.03	1
112	MP2A	Y	-84.4	1
113	MP2A	My	.037	1
114	MP2A	Mz	.021	1
115	MP2B	Y	-84.4	1
116	MP2B	My	-.021	1
117	MP2B	Mz	.037	1
118	MP2C	Y	-84.4	1
119	MP2C	My	-.021	1
120	MP2C	Mz	-.037	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	Y	-8.72	4.5
2	MP2A	My	.006	4.5
3	MP2A	Mz	.007	4.5
4	MP2A	Y	-8.72	5.5
5	MP2A	My	.006	5.5
6	MP2A	Mz	.007	5.5
7	MP2A	Y	-8.72	4.5
8	MP2A	My	.009	4.5
9	MP2A	Mz	.002	4.5
10	MP2A	Y	-8.72	5.5
11	MP2A	My	.009	5.5
12	MP2A	Mz	.002	5.5
13	MP1A	Y	-58.766	.5
14	MP1A	My	-.025	.5
15	MP1A	Mz	-.015	.5
16	MP1A	Y	-58.766	5.5
17	MP1A	My	-.025	5.5
18	MP1A	Mz	-.015	5.5
19	MP1B	Y	-58.766	.5
20	MP1B	My	.015	.5
21	MP1B	Mz	-.025	.5
22	MP1B	Y	-58.766	5.5
23	MP1B	My	.015	5.5
24	MP1B	Mz	-.025	5.5
25	MP1C	Y	-58.766	.5
26	MP1C	My	.015	.5
27	MP1C	Mz	.025	.5
28	MP1C	Y	-58.766	5.5
29	MP1C	My	.015	5.5
30	MP1C	Mz	.025	5.5
31	MP4A	Y	-58.766	.5
32	MP4A	My	-.025	.5
33	MP4A	Mz	-.015	.5
34	MP4A	Y	-58.766	5.5
35	MP4A	My	-.025	5.5
36	MP4A	Mz	-.015	5.5
37	MP4B	Y	-58.766	.5
38	MP4B	My	.015	.5
39	MP4B	Mz	-.025	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
40	MP4B	Y	-58.766	5.5
41	MP4B	My	.015	5.5
42	MP4B	Mz	-.025	5.5
43	MP4C	Y	-58.766	.5
44	MP4C	My	.015	.5
45	MP4C	Mz	.025	.5
46	MP4C	Y	-58.766	5.5
47	MP4C	My	.015	5.5
48	MP4C	Mz	.025	5.5
49	MP2A	Y	-61.596	.5
50	MP2A	My	-.045	.5
51	MP2A	Mz	.016	.5
52	MP2A	Y	-61.596	5.5
53	MP2A	My	-.045	5.5
54	MP2A	Mz	.016	5.5
55	MP2B	Y	-61.596	.5
56	MP2B	My	-.016	.5
57	MP2B	Mz	-.045	.5
58	MP2B	Y	-61.596	5.5
59	MP2B	My	-.016	5.5
60	MP2B	Mz	-.045	5.5
61	MP2C	Y	-61.596	.5
62	MP2C	My	.047	.5
63	MP2C	Mz	.009	.5
64	MP2C	Y	-61.596	5.5
65	MP2C	My	.047	5.5
66	MP2C	Mz	.009	5.5
67	MP2A	Y	-61.596	.5
68	MP2A	My	-.009	.5
69	MP2A	Mz	-.047	.5
70	MP2A	Y	-61.596	5.5
71	MP2A	My	-.009	5.5
72	MP2A	Mz	-.047	5.5
73	MP2B	Y	-61.596	.5
74	MP2B	My	.047	.5
75	MP2B	Mz	-.009	.5
76	MP2B	Y	-61.596	5.5
77	MP2B	My	.047	5.5
78	MP2B	Mz	-.009	5.5
79	MP2C	Y	-61.596	.5
80	MP2C	My	-.016	.5
81	MP2C	Mz	.045	.5
82	MP2C	Y	-61.596	5.5
83	MP2C	My	-.016	5.5
84	MP2C	Mz	.045	5.5
85	MP3A	Y	-35.79	2
86	MP3A	My	-.015	2
87	MP3A	Mz	-.009	2
88	MP3A	Y	-35.79	4
89	MP3A	My	-.015	4
90	MP3A	Mz	-.009	4
91	MP3B	Y	-35.79	2
92	MP3B	My	.009	2
93	MP3B	Mz	-.015	2
94	MP3B	Y	-35.79	4
95	MP3B	My	.009	4
96	MP3B	Mz	-.015	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
97	MP3C	Y	-35.79	2
98	MP3C	My	.009	2
99	MP3C	Mz	.015	2
100	MP3C	Y	-35.79	4
101	MP3C	My	.009	4
102	MP3C	Mz	.015	4
103	MP3A	Y	-40.584	1
104	MP3A	My	.018	1
105	MP3A	Mz	.01	1
106	MP3B	Y	-40.584	1
107	MP3B	My	-.01	1
108	MP3B	Mz	.018	1
109	MP3C	Y	-40.584	1
110	MP3C	My	-.01	1
111	MP3C	Mz	-.018	1
112	MP2A	Y	-45.126	1
113	MP2A	My	.02	1
114	MP2A	Mz	.011	1
115	MP2B	Y	-45.126	1
116	MP2B	My	-.011	1
117	MP2B	Mz	.02	1
118	MP2C	Y	-45.126	1
119	MP2C	My	-.011	1
120	MP2C	Mz	-.02	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	0	4.5
2	MP2A	Z	-20.049	4.5
3	MP2A	Mx	-.016	4.5
4	MP2A	X	0	5.5
5	MP2A	Z	-20.049	5.5
6	MP2A	Mx	-.016	5.5
7	MP2A	X	0	4.5
8	MP2A	Z	-20.049	4.5
9	MP2A	Mx	-.004	4.5
10	MP2A	X	0	5.5
11	MP2A	Z	-20.049	5.5
12	MP2A	Mx	-.004	5.5
13	MP1A	X	0	.5
14	MP1A	Z	-112.79	.5
15	MP1A	Mx	.028	.5
16	MP1A	X	0	5.5
17	MP1A	Z	-112.79	5.5
18	MP1A	Mx	.028	5.5
19	MP1B	X	0	.5
20	MP1B	Z	-157.643	.5
21	MP1B	Mx	.068	.5
22	MP1B	X	0	5.5
23	MP1B	Z	-157.643	5.5
24	MP1B	Mx	.068	5.5
25	MP1C	X	0	.5
26	MP1C	Z	-157.643	.5
27	MP1C	Mx	-.068	.5
28	MP1C	X	0	5.5
29	MP1C	Z	-157.643	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP1C	Mx	-.068	5.5
31	MP4A	X	0	.5
32	MP4A	Z	-112.79	.5
33	MP4A	Mx	.028	.5
34	MP4A	X	0	5.5
35	MP4A	Z	-112.79	5.5
36	MP4A	Mx	.028	5.5
37	MP4B	X	0	.5
38	MP4B	Z	-157.643	.5
39	MP4B	Mx	.068	.5
40	MP4B	X	0	5.5
41	MP4B	Z	-157.643	5.5
42	MP4B	Mx	.068	5.5
43	MP4C	X	0	.5
44	MP4C	Z	-157.643	.5
45	MP4C	Mx	-.068	.5
46	MP4C	X	0	5.5
47	MP4C	Z	-157.643	5.5
48	MP4C	Mx	-.068	5.5
49	MP2A	X	0	.5
50	MP2A	Z	-98.608	.5
51	MP2A	Mx	-.025	.5
52	MP2A	X	0	5.5
53	MP2A	Z	-98.608	5.5
54	MP2A	Mx	-.025	5.5
55	MP2B	X	0	.5
56	MP2B	Z	-65.843	.5
57	MP2B	Mx	.048	.5
58	MP2B	X	0	5.5
59	MP2B	Z	-65.843	5.5
60	MP2B	Mx	.048	5.5
61	MP2C	X	0	.5
62	MP2C	Z	-65.843	.5
63	MP2C	Mx	-.009	.5
64	MP2C	X	0	5.5
65	MP2C	Z	-65.843	5.5
66	MP2C	Mx	-.009	5.5
67	MP2A	X	0	.5
68	MP2A	Z	-98.608	.5
69	MP2A	Mx	.074	.5
70	MP2A	X	0	5.5
71	MP2A	Z	-98.608	5.5
72	MP2A	Mx	.074	5.5
73	MP2B	X	0	.5
74	MP2B	Z	-65.843	.5
75	MP2B	Mx	.009	.5
76	MP2B	X	0	5.5
77	MP2B	Z	-65.843	5.5
78	MP2B	Mx	.009	5.5
79	MP2C	X	0	.5
80	MP2C	Z	-65.843	.5
81	MP2C	Mx	-.048	.5
82	MP2C	X	0	5.5
83	MP2C	Z	-65.843	5.5
84	MP2C	Mx	-.048	5.5
85	MP3A	X	0	2
86	MP3A	Z	-68.399	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
87	MP3A	Mx	.017	2
88	MP3A	X	0	4
89	MP3A	Z	-68.399	4
90	MP3A	Mx	.017	4
91	MP3B	X	0	2
92	MP3B	Z	-41.582	2
93	MP3B	Mx	.018	2
94	MP3B	X	0	4
95	MP3B	Z	-41.582	4
96	MP3B	Mx	.018	4
97	MP3C	X	0	2
98	MP3C	Z	-41.582	2
99	MP3C	Mx	-.018	2
100	MP3C	X	0	4
101	MP3C	Z	-41.582	4
102	MP3C	Mx	-.018	4
103	MP3A	X	0	1
104	MP3A	Z	-57.391	1
105	MP3A	Mx	-.014	1
106	MP3B	X	0	1
107	MP3B	Z	-42.782	1
108	MP3B	Mx	-.019	1
109	MP3C	X	0	1
110	MP3C	Z	-42.782	1
111	MP3C	Mx	.019	1
112	MP2A	X	0	1
113	MP2A	Z	-59.373	1
114	MP2A	Mx	-.015	1
115	MP2B	X	0	1
116	MP2B	Z	-48.73	1
117	MP2B	Mx	-.021	1
118	MP2C	X	0	1
119	MP2C	Z	-48.73	1
120	MP2C	Mx	.021	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	10.017	4.5
2	MP2A	Z	-17.35	4.5
3	MP2A	Mx	-.007	4.5
4	MP2A	X	10.017	5.5
5	MP2A	Z	-17.35	5.5
6	MP2A	Mx	-.007	5.5
7	MP2A	X	10.017	4.5
8	MP2A	Z	-17.35	4.5
9	MP2A	Mx	.007	4.5
10	MP2A	X	10.017	5.5
11	MP2A	Z	-17.35	5.5
12	MP2A	Mx	.007	5.5
13	MP1A	X	45.182	.5
14	MP1A	Z	-78.258	.5
15	MP1A	Mx	0	.5
16	MP1A	X	45.182	5.5
17	MP1A	Z	-78.258	5.5
18	MP1A	Mx	0	5.5
19	MP1B	X	90.034	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP1B	Z	-155.944	.5
21	MP1B	Mx	.09	.5
22	MP1B	X	90.034	5.5
23	MP1B	Z	-155.944	5.5
24	MP1B	Mx	.09	5.5
25	MP1C	X	56.395	.5
26	MP1C	Z	-97.679	.5
27	MP1C	Mx	-.028	.5
28	MP1C	X	56.395	5.5
29	MP1C	Z	-97.679	5.5
30	MP1C	Mx	-.028	5.5
31	MP4A	X	45.182	.5
32	MP4A	Z	-78.258	.5
33	MP4A	Mx	0	.5
34	MP4A	X	45.182	5.5
35	MP4A	Z	-78.258	5.5
36	MP4A	Mx	0	5.5
37	MP4B	X	90.034	.5
38	MP4B	Z	-155.944	.5
39	MP4B	Mx	.09	.5
40	MP4B	X	90.034	5.5
41	MP4B	Z	-155.944	5.5
42	MP4B	Mx	.09	5.5
43	MP4C	X	56.395	.5
44	MP4C	Z	-97.679	.5
45	MP4C	Mx	-.028	.5
46	MP4C	X	56.395	5.5
47	MP4C	Z	-97.679	5.5
48	MP4C	Mx	-.028	5.5
49	MP2A	X	57.495	.5
50	MP2A	Z	-99.585	.5
51	MP2A	Mx	-.067	.5
52	MP2A	X	57.495	5.5
53	MP2A	Z	-99.585	5.5
54	MP2A	Mx	-.067	5.5
55	MP2B	X	24.73	.5
56	MP2B	Z	-42.834	.5
57	MP2B	Mx	.025	.5
58	MP2B	X	24.73	5.5
59	MP2B	Z	-42.834	5.5
60	MP2B	Mx	.025	5.5
61	MP2C	X	49.304	.5
62	MP2C	Z	-85.397	.5
63	MP2C	Mx	.025	.5
64	MP2C	X	49.304	5.5
65	MP2C	Z	-85.397	5.5
66	MP2C	Mx	.025	5.5
67	MP2A	X	57.495	.5
68	MP2A	Z	-99.585	.5
69	MP2A	Mx	.067	.5
70	MP2A	X	57.495	5.5
71	MP2A	Z	-99.585	5.5
72	MP2A	Mx	.067	5.5
73	MP2B	X	24.73	.5
74	MP2B	Z	-42.834	.5
75	MP2B	Mx	.025	.5
76	MP2B	X	24.73	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
77	MP2B	Z	-42.834	5.5
78	MP2B	Mx	.025	5.5
79	MP2C	X	49.304	.5
80	MP2C	Z	-85.397	.5
81	MP2C	Mx	-.074	.5
82	MP2C	X	49.304	5.5
83	MP2C	Z	-85.397	5.5
84	MP2C	Mx	-.074	5.5
85	MP3A	X	40.904	2
86	MP3A	Z	-70.848	2
87	MP3A	Mx	0	2
88	MP3A	X	40.904	4
89	MP3A	Z	-70.848	4
90	MP3A	Mx	0	4
91	MP3B	X	14.087	2
92	MP3B	Z	-24.399	2
93	MP3B	Mx	.014	2
94	MP3B	X	14.087	4
95	MP3B	Z	-24.399	4
96	MP3B	Mx	.014	4
97	MP3C	X	34.2	2
98	MP3C	Z	-59.236	2
99	MP3C	Mx	-.017	2
100	MP3C	X	34.2	4
101	MP3C	Z	-59.236	4
102	MP3C	Mx	-.017	4
103	MP3A	X	32.348	1
104	MP3A	Z	-56.028	1
105	MP3A	Mx	0	1
106	MP3B	X	17.739	1
107	MP3B	Z	-30.725	1
108	MP3B	Mx	-.018	1
109	MP3C	X	28.695	1
110	MP3C	Z	-49.702	1
111	MP3C	Mx	.014	1
112	MP2A	X	32.348	1
113	MP2A	Z	-56.028	1
114	MP2A	Mx	0	1
115	MP2B	X	21.704	1
116	MP2B	Z	-37.593	1
117	MP2B	Mx	-.022	1
118	MP2C	X	29.687	1
119	MP2C	Z	-51.419	1
120	MP2C	Mx	.015	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	17.363	4.5
2	MP2A	Z	-10.025	4.5
3	MP2A	Mx	.004	4.5
4	MP2A	X	17.363	5.5
5	MP2A	Z	-10.025	5.5
6	MP2A	Mx	.004	5.5
7	MP2A	X	17.363	4.5
8	MP2A	Z	-10.025	4.5
9	MP2A	Mx	.016	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	X	17.363	5.5
11	MP2A	Z	-10.025	5.5
12	MP2A	Mx	.016	5.5
13	MP1A	X	97.679	.5
14	MP1A	Z	-56.395	.5
15	MP1A	Mx	-.028	.5
16	MP1A	X	97.679	5.5
17	MP1A	Z	-56.395	5.5
18	MP1A	Mx	-.028	5.5
19	MP1B	X	136.522	.5
20	MP1B	Z	-78.821	.5
21	MP1B	Mx	.068	.5
22	MP1B	X	136.522	5.5
23	MP1B	Z	-78.821	5.5
24	MP1B	Mx	.068	5.5
25	MP1C	X	78.258	.5
26	MP1C	Z	-45.182	.5
27	MP1C	Mx	0	.5
28	MP1C	X	78.258	5.5
29	MP1C	Z	-45.182	5.5
30	MP1C	Mx	0	5.5
31	MP4A	X	97.679	.5
32	MP4A	Z	-56.395	.5
33	MP4A	Mx	-.028	.5
34	MP4A	X	97.679	5.5
35	MP4A	Z	-56.395	5.5
36	MP4A	Mx	-.028	5.5
37	MP4B	X	136.522	.5
38	MP4B	Z	-78.821	.5
39	MP4B	Mx	.068	.5
40	MP4B	X	136.522	5.5
41	MP4B	Z	-78.821	5.5
42	MP4B	Mx	.068	5.5
43	MP4C	X	78.258	.5
44	MP4C	Z	-45.182	.5
45	MP4C	Mx	0	.5
46	MP4C	X	78.258	5.5
47	MP4C	Z	-45.182	5.5
48	MP4C	Mx	0	5.5
49	MP2A	X	85.397	.5
50	MP2A	Z	-49.304	.5
51	MP2A	Mx	-.074	.5
52	MP2A	X	85.397	5.5
53	MP2A	Z	-49.304	5.5
54	MP2A	Mx	-.074	5.5
55	MP2B	X	57.022	.5
56	MP2B	Z	-32.921	.5
57	MP2B	Mx	.009	.5
58	MP2B	X	57.022	5.5
59	MP2B	Z	-32.921	5.5
60	MP2B	Mx	.009	5.5
61	MP2C	X	99.585	.5
62	MP2C	Z	-57.495	.5
63	MP2C	Mx	.067	.5
64	MP2C	X	99.585	5.5
65	MP2C	Z	-57.495	5.5
66	MP2C	Mx	.067	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
67	MP2A	X	85.397	.5
68	MP2A	Z	-49.304	.5
69	MP2A	Mx	.025	.5
70	MP2A	X	85.397	5.5
71	MP2A	Z	-49.304	5.5
72	MP2A	Mx	.025	5.5
73	MP2B	X	57.022	.5
74	MP2B	Z	-32.921	.5
75	MP2B	Mx	.048	.5
76	MP2B	X	57.022	5.5
77	MP2B	Z	-32.921	5.5
78	MP2B	Mx	.048	5.5
79	MP2C	X	99.585	.5
80	MP2C	Z	-57.495	.5
81	MP2C	Mx	-.067	.5
82	MP2C	X	99.585	5.5
83	MP2C	Z	-57.495	5.5
84	MP2C	Mx	-.067	5.5
85	MP3A	X	59.236	2
86	MP3A	Z	-34.2	2
87	MP3A	Mx	-.017	2
88	MP3A	X	59.236	4
89	MP3A	Z	-34.2	4
90	MP3A	Mx	-.017	4
91	MP3B	X	36.011	2
92	MP3B	Z	-20.791	2
93	MP3B	Mx	.018	2
94	MP3B	X	36.011	4
95	MP3B	Z	-20.791	4
96	MP3B	Mx	.018	4
97	MP3C	X	70.848	2
98	MP3C	Z	-40.904	2
99	MP3C	Mx	0	2
100	MP3C	X	70.848	4
101	MP3C	Z	-40.904	4
102	MP3C	Mx	0	4
103	MP3A	X	49.702	1
104	MP3A	Z	-28.695	1
105	MP3A	Mx	.014	1
106	MP3B	X	37.051	1
107	MP3B	Z	-21.391	1
108	MP3B	Mx	-.019	1
109	MP3C	X	56.028	1
110	MP3C	Z	-32.348	1
111	MP3C	Mx	0	1
112	MP2A	X	51.419	1
113	MP2A	Z	-29.687	1
114	MP2A	Mx	.015	1
115	MP2B	X	42.201	1
116	MP2B	Z	-24.365	1
117	MP2B	Mx	-.021	1
118	MP2C	X	56.028	1
119	MP2C	Z	-32.348	1
120	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	20.079	4.5
2	MP2A	Z	0	4.5
3	MP2A	Mx	.014	4.5
4	MP2A	X	20.079	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.014	5.5
7	MP2A	X	20.079	4.5
8	MP2A	Z	0	4.5
9	MP2A	Mx	.021	4.5
10	MP2A	X	20.079	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.021	5.5
13	MP1A	X	157.643	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	-.068	.5
16	MP1A	X	157.643	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	-.068	5.5
19	MP1B	X	112.79	.5
20	MP1B	Z	0	.5
21	MP1B	Mx	.028	.5
22	MP1B	X	112.79	5.5
23	MP1B	Z	0	5.5
24	MP1B	Mx	.028	5.5
25	MP1C	X	112.79	.5
26	MP1C	Z	0	.5
27	MP1C	Mx	.028	.5
28	MP1C	X	112.79	5.5
29	MP1C	Z	0	5.5
30	MP1C	Mx	.028	5.5
31	MP4A	X	157.643	.5
32	MP4A	Z	0	.5
33	MP4A	Mx	-.068	.5
34	MP4A	X	157.643	5.5
35	MP4A	Z	0	5.5
36	MP4A	Mx	-.068	5.5
37	MP4B	X	112.79	.5
38	MP4B	Z	0	.5
39	MP4B	Mx	.028	.5
40	MP4B	X	112.79	5.5
41	MP4B	Z	0	5.5
42	MP4B	Mx	.028	5.5
43	MP4C	X	112.79	.5
44	MP4C	Z	0	.5
45	MP4C	Mx	.028	.5
46	MP4C	X	112.79	5.5
47	MP4C	Z	0	5.5
48	MP4C	Mx	.028	5.5
49	MP2A	X	65.843	.5
50	MP2A	Z	0	.5
51	MP2A	Mx	-.048	.5
52	MP2A	X	65.843	5.5
53	MP2A	Z	0	5.5
54	MP2A	Mx	-.048	5.5
55	MP2B	X	98.608	.5
56	MP2B	Z	0	.5
57	MP2B	Mx	-.025	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	98.608	5.5
59	MP2B	Z	0	5.5
60	MP2B	Mx	-.025	5.5
61	MP2C	X	98.608	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.074	.5
64	MP2C	X	98.608	5.5
65	MP2C	Z	0	5.5
66	MP2C	Mx	.074	5.5
67	MP2A	X	65.843	.5
68	MP2A	Z	0	.5
69	MP2A	Mx	-.009	.5
70	MP2A	X	65.843	5.5
71	MP2A	Z	0	5.5
72	MP2A	Mx	-.009	5.5
73	MP2B	X	98.608	.5
74	MP2B	Z	0	.5
75	MP2B	Mx	.074	.5
76	MP2B	X	98.608	5.5
77	MP2B	Z	0	5.5
78	MP2B	Mx	.074	5.5
79	MP2C	X	98.608	.5
80	MP2C	Z	0	.5
81	MP2C	Mx	-.025	.5
82	MP2C	X	98.608	5.5
83	MP2C	Z	0	5.5
84	MP2C	Mx	-.025	5.5
85	MP3A	X	41.582	2
86	MP3A	Z	0	2
87	MP3A	Mx	-.018	2
88	MP3A	X	41.582	4
89	MP3A	Z	0	4
90	MP3A	Mx	-.018	4
91	MP3B	X	68.399	2
92	MP3B	Z	0	2
93	MP3B	Mx	.017	2
94	MP3B	X	68.399	4
95	MP3B	Z	0	4
96	MP3B	Mx	.017	4
97	MP3C	X	68.399	2
98	MP3C	Z	0	2
99	MP3C	Mx	.017	2
100	MP3C	X	68.399	4
101	MP3C	Z	0	4
102	MP3C	Mx	.017	4
103	MP3A	X	42.782	1
104	MP3A	Z	0	1
105	MP3A	Mx	.019	1
106	MP3B	X	57.391	1
107	MP3B	Z	0	1
108	MP3B	Mx	-.014	1
109	MP3C	X	57.391	1
110	MP3C	Z	0	1
111	MP3C	Mx	-.014	1
112	MP2A	X	48.73	1
113	MP2A	Z	0	1
114	MP2A	Mx	.021	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
115	MP2B	X	59.373	1
116	MP2B	Z	0	1
117	MP2B	Mx	-.015	1
118	MP2C	X	59.373	1
119	MP2C	Z	0	1
120	MP2C	Mx	-.015	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	17.402	4.5
2	MP2A	Z	10.047	4.5
3	MP2A	Mx	.02	4.5
4	MP2A	X	17.402	5.5
5	MP2A	Z	10.047	5.5
6	MP2A	Mx	.02	5.5
7	MP2A	X	17.402	4.5
8	MP2A	Z	10.047	4.5
9	MP2A	Mx	.02	4.5
10	MP2A	X	17.402	5.5
11	MP2A	Z	10.047	5.5
12	MP2A	Mx	.02	5.5
13	MP1A	X	155.944	.5
14	MP1A	Z	90.034	.5
15	MP1A	Mx	-.09	.5
16	MP1A	X	155.944	5.5
17	MP1A	Z	90.034	5.5
18	MP1A	Mx	-.09	5.5
19	MP1B	X	78.258	.5
20	MP1B	Z	45.182	.5
21	MP1B	Mx	0	.5
22	MP1B	X	78.258	5.5
23	MP1B	Z	45.182	5.5
24	MP1B	Mx	0	5.5
25	MP1C	X	136.522	.5
26	MP1C	Z	78.821	.5
27	MP1C	Mx	.068	.5
28	MP1C	X	136.522	5.5
29	MP1C	Z	78.821	5.5
30	MP1C	Mx	.068	5.5
31	MP4A	X	155.944	.5
32	MP4A	Z	90.034	.5
33	MP4A	Mx	-.09	.5
34	MP4A	X	155.944	5.5
35	MP4A	Z	90.034	5.5
36	MP4A	Mx	-.09	5.5
37	MP4B	X	78.258	.5
38	MP4B	Z	45.182	.5
39	MP4B	Mx	0	.5
40	MP4B	X	78.258	5.5
41	MP4B	Z	45.182	5.5
42	MP4B	Mx	0	5.5
43	MP4C	X	136.522	.5
44	MP4C	Z	78.821	.5
45	MP4C	Mx	.068	.5
46	MP4C	X	136.522	5.5
47	MP4C	Z	78.821	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP4C	Mx	.068	5.5
49	MP2A	X	42.834	.5
50	MP2A	Z	24.73	.5
51	MP2A	Mx	-.025	.5
52	MP2A	X	42.834	5.5
53	MP2A	Z	24.73	5.5
54	MP2A	Mx	-.025	5.5
55	MP2B	X	99.585	.5
56	MP2B	Z	57.495	.5
57	MP2B	Mx	-.067	.5
58	MP2B	X	99.585	5.5
59	MP2B	Z	57.495	5.5
60	MP2B	Mx	-.067	5.5
61	MP2C	X	57.022	.5
62	MP2C	Z	32.921	.5
63	MP2C	Mx	.048	.5
64	MP2C	X	57.022	5.5
65	MP2C	Z	32.921	5.5
66	MP2C	Mx	.048	5.5
67	MP2A	X	42.834	.5
68	MP2A	Z	24.73	.5
69	MP2A	Mx	-.025	.5
70	MP2A	X	42.834	5.5
71	MP2A	Z	24.73	5.5
72	MP2A	Mx	-.025	5.5
73	MP2B	X	99.585	.5
74	MP2B	Z	57.495	.5
75	MP2B	Mx	.067	.5
76	MP2B	X	99.585	5.5
77	MP2B	Z	57.495	5.5
78	MP2B	Mx	.067	5.5
79	MP2C	X	57.022	.5
80	MP2C	Z	32.921	.5
81	MP2C	Mx	.009	.5
82	MP2C	X	57.022	5.5
83	MP2C	Z	32.921	5.5
84	MP2C	Mx	.009	5.5
85	MP3A	X	24.399	2
86	MP3A	Z	14.087	2
87	MP3A	Mx	-.014	2
88	MP3A	X	24.399	4
89	MP3A	Z	14.087	4
90	MP3A	Mx	-.014	4
91	MP3B	X	70.848	2
92	MP3B	Z	40.904	2
93	MP3B	Mx	0	2
94	MP3B	X	70.848	4
95	MP3B	Z	40.904	4
96	MP3B	Mx	0	4
97	MP3C	X	36.011	2
98	MP3C	Z	20.791	2
99	MP3C	Mx	.018	2
100	MP3C	X	36.011	4
101	MP3C	Z	20.791	4
102	MP3C	Mx	.018	4
103	MP3A	X	30.725	1
104	MP3A	Z	17.739	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
105	MP3A	Mx	.018	1
106	MP3B	X	56.028	1
107	MP3B	Z	32.348	1
108	MP3B	Mx	0	1
109	MP3C	X	37.051	1
110	MP3C	Z	21.391	1
111	MP3C	Mx	-.019	1
112	MP2A	X	37.593	1
113	MP2A	Z	21.704	1
114	MP2A	Mx	.022	1
115	MP2B	X	56.028	1
116	MP2B	Z	32.348	1
117	MP2B	Mx	0	1
118	MP2C	X	42.201	1
119	MP2C	Z	24.365	1
120	MP2C	Mx	-.021	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	10.039	4.5
2	MP2A	Z	17.389	4.5
3	MP2A	Mx	.021	4.5
4	MP2A	X	10.039	5.5
5	MP2A	Z	17.389	5.5
6	MP2A	Mx	.021	5.5
7	MP2A	X	10.039	4.5
8	MP2A	Z	17.389	4.5
9	MP2A	Mx	.014	4.5
10	MP2A	X	10.039	5.5
11	MP2A	Z	17.389	5.5
12	MP2A	Mx	.014	5.5
13	MP1A	X	78.821	.5
14	MP1A	Z	136.522	.5
15	MP1A	Mx	-.068	.5
16	MP1A	X	78.821	5.5
17	MP1A	Z	136.522	5.5
18	MP1A	Mx	-.068	5.5
19	MP1B	X	56.395	.5
20	MP1B	Z	97.679	.5
21	MP1B	Mx	-.028	.5
22	MP1B	X	56.395	5.5
23	MP1B	Z	97.679	5.5
24	MP1B	Mx	-.028	5.5
25	MP1C	X	90.034	.5
26	MP1C	Z	155.944	.5
27	MP1C	Mx	.09	.5
28	MP1C	X	90.034	5.5
29	MP1C	Z	155.944	5.5
30	MP1C	Mx	.09	5.5
31	MP4A	X	78.821	.5
32	MP4A	Z	136.522	.5
33	MP4A	Mx	-.068	.5
34	MP4A	X	78.821	5.5
35	MP4A	Z	136.522	5.5
36	MP4A	Mx	-.068	5.5
37	MP4B	X	56.395	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP4B	Z	97.679	.5
39	MP4B	Mx	-.028	.5
40	MP4B	X	56.395	5.5
41	MP4B	Z	97.679	5.5
42	MP4B	Mx	-.028	5.5
43	MP4C	X	90.034	.5
44	MP4C	Z	155.944	.5
45	MP4C	Mx	.09	.5
46	MP4C	X	90.034	5.5
47	MP4C	Z	155.944	5.5
48	MP4C	Mx	.09	5.5
49	MP2A	X	32.921	.5
50	MP2A	Z	57.022	.5
51	MP2A	Mx	-.009	.5
52	MP2A	X	32.921	5.5
53	MP2A	Z	57.022	5.5
54	MP2A	Mx	-.009	5.5
55	MP2B	X	49.304	.5
56	MP2B	Z	85.397	.5
57	MP2B	Mx	-.074	.5
58	MP2B	X	49.304	5.5
59	MP2B	Z	85.397	5.5
60	MP2B	Mx	-.074	5.5
61	MP2C	X	24.73	.5
62	MP2C	Z	42.834	.5
63	MP2C	Mx	.025	.5
64	MP2C	X	24.73	5.5
65	MP2C	Z	42.834	5.5
66	MP2C	Mx	.025	5.5
67	MP2A	X	32.921	.5
68	MP2A	Z	57.022	.5
69	MP2A	Mx	-.048	.5
70	MP2A	X	32.921	5.5
71	MP2A	Z	57.022	5.5
72	MP2A	Mx	-.048	5.5
73	MP2B	X	49.304	.5
74	MP2B	Z	85.397	.5
75	MP2B	Mx	.025	.5
76	MP2B	X	49.304	5.5
77	MP2B	Z	85.397	5.5
78	MP2B	Mx	.025	5.5
79	MP2C	X	24.73	.5
80	MP2C	Z	42.834	.5
81	MP2C	Mx	.025	.5
82	MP2C	X	24.73	5.5
83	MP2C	Z	42.834	5.5
84	MP2C	Mx	.025	5.5
85	MP3A	X	20.791	2
86	MP3A	Z	36.011	2
87	MP3A	Mx	-.018	2
88	MP3A	X	20.791	4
89	MP3A	Z	36.011	4
90	MP3A	Mx	-.018	4
91	MP3B	X	34.2	2
92	MP3B	Z	59.236	2
93	MP3B	Mx	-.017	2
94	MP3B	X	34.2	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
95	MP3B	Z	59.236	4
96	MP3B	Mx	-.017	4
97	MP3C	X	14.087	2
98	MP3C	Z	24.399	2
99	MP3C	Mx	.014	2
100	MP3C	X	14.087	4
101	MP3C	Z	24.399	4
102	MP3C	Mx	.014	4
103	MP3A	X	21.391	1
104	MP3A	Z	37.051	1
105	MP3A	Mx	.019	1
106	MP3B	X	28.695	1
107	MP3B	Z	49.702	1
108	MP3B	Mx	.014	1
109	MP3C	X	17.739	1
110	MP3C	Z	30.725	1
111	MP3C	Mx	-.018	1
112	MP2A	X	24.365	1
113	MP2A	Z	42.201	1
114	MP2A	Mx	.021	1
115	MP2B	X	29.687	1
116	MP2B	Z	51.419	1
117	MP2B	Mx	.015	1
118	MP2C	X	21.704	1
119	MP2C	Z	37.593	1
120	MP2C	Mx	-.022	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	0	4.5
2	MP2A	Z	20.049	4.5
3	MP2A	Mx	.016	4.5
4	MP2A	X	0	5.5
5	MP2A	Z	20.049	5.5
6	MP2A	Mx	.016	5.5
7	MP2A	X	0	4.5
8	MP2A	Z	20.049	4.5
9	MP2A	Mx	.004	4.5
10	MP2A	X	0	5.5
11	MP2A	Z	20.049	5.5
12	MP2A	Mx	.004	5.5
13	MP1A	X	0	.5
14	MP1A	Z	112.79	.5
15	MP1A	Mx	-.028	.5
16	MP1A	X	0	5.5
17	MP1A	Z	112.79	5.5
18	MP1A	Mx	-.028	5.5
19	MP1B	X	0	.5
20	MP1B	Z	157.643	.5
21	MP1B	Mx	-.068	.5
22	MP1B	X	0	5.5
23	MP1B	Z	157.643	5.5
24	MP1B	Mx	-.068	5.5
25	MP1C	X	0	.5
26	MP1C	Z	157.643	.5
27	MP1C	Mx	.068	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1C	X	0	5.5
29	MP1C	Z	157.643	5.5
30	MP1C	Mx	.068	5.5
31	MP4A	X	0	.5
32	MP4A	Z	112.79	.5
33	MP4A	Mx	-.028	.5
34	MP4A	X	0	5.5
35	MP4A	Z	112.79	5.5
36	MP4A	Mx	-.028	5.5
37	MP4B	X	0	.5
38	MP4B	Z	157.643	.5
39	MP4B	Mx	-.068	.5
40	MP4B	X	0	5.5
41	MP4B	Z	157.643	5.5
42	MP4B	Mx	-.068	5.5
43	MP4C	X	0	.5
44	MP4C	Z	157.643	.5
45	MP4C	Mx	.068	.5
46	MP4C	X	0	5.5
47	MP4C	Z	157.643	5.5
48	MP4C	Mx	.068	5.5
49	MP2A	X	0	.5
50	MP2A	Z	98.608	.5
51	MP2A	Mx	.025	.5
52	MP2A	X	0	5.5
53	MP2A	Z	98.608	5.5
54	MP2A	Mx	.025	5.5
55	MP2B	X	0	.5
56	MP2B	Z	65.843	.5
57	MP2B	Mx	-.048	.5
58	MP2B	X	0	5.5
59	MP2B	Z	65.843	5.5
60	MP2B	Mx	-.048	5.5
61	MP2C	X	0	.5
62	MP2C	Z	65.843	.5
63	MP2C	Mx	.009	.5
64	MP2C	X	0	5.5
65	MP2C	Z	65.843	5.5
66	MP2C	Mx	.009	5.5
67	MP2A	X	0	.5
68	MP2A	Z	98.608	.5
69	MP2A	Mx	-.074	.5
70	MP2A	X	0	5.5
71	MP2A	Z	98.608	5.5
72	MP2A	Mx	-.074	5.5
73	MP2B	X	0	.5
74	MP2B	Z	65.843	.5
75	MP2B	Mx	-.009	.5
76	MP2B	X	0	5.5
77	MP2B	Z	65.843	5.5
78	MP2B	Mx	-.009	5.5
79	MP2C	X	0	.5
80	MP2C	Z	65.843	.5
81	MP2C	Mx	.048	.5
82	MP2C	X	0	5.5
83	MP2C	Z	65.843	5.5
84	MP2C	Mx	.048	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
85	MP3A	X	0	2
86	MP3A	Z	68.399	2
87	MP3A	Mx	-.017	2
88	MP3A	X	0	4
89	MP3A	Z	68.399	4
90	MP3A	Mx	-.017	4
91	MP3B	X	0	2
92	MP3B	Z	41.582	2
93	MP3B	Mx	-.018	2
94	MP3B	X	0	4
95	MP3B	Z	41.582	4
96	MP3B	Mx	-.018	4
97	MP3C	X	0	2
98	MP3C	Z	41.582	2
99	MP3C	Mx	.018	2
100	MP3C	X	0	4
101	MP3C	Z	41.582	4
102	MP3C	Mx	.018	4
103	MP3A	X	0	1
104	MP3A	Z	57.391	1
105	MP3A	Mx	.014	1
106	MP3B	X	0	1
107	MP3B	Z	42.782	1
108	MP3B	Mx	.019	1
109	MP3C	X	0	1
110	MP3C	Z	42.782	1
111	MP3C	Mx	-.019	1
112	MP2A	X	0	1
113	MP2A	Z	59.373	1
114	MP2A	Mx	.015	1
115	MP2B	X	0	1
116	MP2B	Z	48.73	1
117	MP2B	Mx	.021	1
118	MP2C	X	0	1
119	MP2C	Z	48.73	1
120	MP2C	Mx	-.021	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-10.017	4.5
2	MP2A	Z	17.35	4.5
3	MP2A	Mx	.007	4.5
4	MP2A	X	-10.017	5.5
5	MP2A	Z	17.35	5.5
6	MP2A	Mx	.007	5.5
7	MP2A	X	-10.017	4.5
8	MP2A	Z	17.35	4.5
9	MP2A	Mx	-.007	4.5
10	MP2A	X	-10.017	5.5
11	MP2A	Z	17.35	5.5
12	MP2A	Mx	-.007	5.5
13	MP1A	X	-45.182	.5
14	MP1A	Z	78.258	.5
15	MP1A	Mx	0	.5
16	MP1A	X	-45.182	5.5
17	MP1A	Z	78.258	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP1A	Mx	0	5.5
19	MP1B	X	-90.034	.5
20	MP1B	Z	155.944	.5
21	MP1B	Mx	-.09	.5
22	MP1B	X	-90.034	5.5
23	MP1B	Z	155.944	5.5
24	MP1B	Mx	-.09	5.5
25	MP1C	X	-56.395	.5
26	MP1C	Z	97.679	.5
27	MP1C	Mx	.028	.5
28	MP1C	X	-56.395	5.5
29	MP1C	Z	97.679	5.5
30	MP1C	Mx	.028	5.5
31	MP4A	X	-45.182	.5
32	MP4A	Z	78.258	.5
33	MP4A	Mx	0	.5
34	MP4A	X	-45.182	5.5
35	MP4A	Z	78.258	5.5
36	MP4A	Mx	0	5.5
37	MP4B	X	-90.034	.5
38	MP4B	Z	155.944	.5
39	MP4B	Mx	-.09	.5
40	MP4B	X	-90.034	5.5
41	MP4B	Z	155.944	5.5
42	MP4B	Mx	-.09	5.5
43	MP4C	X	-56.395	.5
44	MP4C	Z	97.679	.5
45	MP4C	Mx	.028	.5
46	MP4C	X	-56.395	5.5
47	MP4C	Z	97.679	5.5
48	MP4C	Mx	.028	5.5
49	MP2A	X	-57.495	.5
50	MP2A	Z	99.585	.5
51	MP2A	Mx	.067	.5
52	MP2A	X	-57.495	5.5
53	MP2A	Z	99.585	5.5
54	MP2A	Mx	.067	5.5
55	MP2B	X	-24.73	.5
56	MP2B	Z	42.834	.5
57	MP2B	Mx	-.025	.5
58	MP2B	X	-24.73	5.5
59	MP2B	Z	42.834	5.5
60	MP2B	Mx	-.025	5.5
61	MP2C	X	-49.304	.5
62	MP2C	Z	85.397	.5
63	MP2C	Mx	-.025	.5
64	MP2C	X	-49.304	5.5
65	MP2C	Z	85.397	5.5
66	MP2C	Mx	-.025	5.5
67	MP2A	X	-57.495	.5
68	MP2A	Z	99.585	.5
69	MP2A	Mx	-.067	.5
70	MP2A	X	-57.495	5.5
71	MP2A	Z	99.585	5.5
72	MP2A	Mx	-.067	5.5
73	MP2B	X	-24.73	.5
74	MP2B	Z	42.834	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
75	MP2B	Mx	-.025	.5
76	MP2B	X	-24.73	5.5
77	MP2B	Z	42.834	5.5
78	MP2B	Mx	-.025	5.5
79	MP2C	X	-49.304	.5
80	MP2C	Z	85.397	.5
81	MP2C	Mx	.074	.5
82	MP2C	X	-49.304	5.5
83	MP2C	Z	85.397	5.5
84	MP2C	Mx	.074	5.5
85	MP3A	X	-40.904	2
86	MP3A	Z	70.848	2
87	MP3A	Mx	0	2
88	MP3A	X	-40.904	4
89	MP3A	Z	70.848	4
90	MP3A	Mx	0	4
91	MP3B	X	-14.087	2
92	MP3B	Z	24.399	2
93	MP3B	Mx	-.014	2
94	MP3B	X	-14.087	4
95	MP3B	Z	24.399	4
96	MP3B	Mx	-.014	4
97	MP3C	X	-34.2	2
98	MP3C	Z	59.236	2
99	MP3C	Mx	.017	2
100	MP3C	X	-34.2	4
101	MP3C	Z	59.236	4
102	MP3C	Mx	.017	4
103	MP3A	X	-32.348	1
104	MP3A	Z	56.028	1
105	MP3A	Mx	0	1
106	MP3B	X	-17.739	1
107	MP3B	Z	30.725	1
108	MP3B	Mx	.018	1
109	MP3C	X	-28.695	1
110	MP3C	Z	49.702	1
111	MP3C	Mx	-.014	1
112	MP2A	X	-32.348	1
113	MP2A	Z	56.028	1
114	MP2A	Mx	0	1
115	MP2B	X	-21.704	1
116	MP2B	Z	37.593	1
117	MP2B	Mx	.022	1
118	MP2C	X	-29.687	1
119	MP2C	Z	51.419	1
120	MP2C	Mx	-.015	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-17.363	4.5
2	MP2A	Z	10.025	4.5
3	MP2A	Mx	-.004	4.5
4	MP2A	X	-17.363	5.5
5	MP2A	Z	10.025	5.5
6	MP2A	Mx	-.004	5.5
7	MP2A	X	-17.363	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2A	Z	10.025	4.5
9	MP2A	Mx	-.016	4.5
10	MP2A	X	-17.363	5.5
11	MP2A	Z	10.025	5.5
12	MP2A	Mx	-.016	5.5
13	MP1A	X	-97.679	.5
14	MP1A	Z	56.395	.5
15	MP1A	Mx	.028	.5
16	MP1A	X	-97.679	5.5
17	MP1A	Z	56.395	5.5
18	MP1A	Mx	.028	5.5
19	MP1B	X	-136.522	.5
20	MP1B	Z	78.821	.5
21	MP1B	Mx	-.068	.5
22	MP1B	X	-136.522	5.5
23	MP1B	Z	78.821	5.5
24	MP1B	Mx	-.068	5.5
25	MP1C	X	-78.258	.5
26	MP1C	Z	45.182	.5
27	MP1C	Mx	0	.5
28	MP1C	X	-78.258	5.5
29	MP1C	Z	45.182	5.5
30	MP1C	Mx	0	5.5
31	MP4A	X	-97.679	.5
32	MP4A	Z	56.395	.5
33	MP4A	Mx	.028	.5
34	MP4A	X	-97.679	5.5
35	MP4A	Z	56.395	5.5
36	MP4A	Mx	.028	5.5
37	MP4B	X	-136.522	.5
38	MP4B	Z	78.821	.5
39	MP4B	Mx	-.068	.5
40	MP4B	X	-136.522	5.5
41	MP4B	Z	78.821	5.5
42	MP4B	Mx	-.068	5.5
43	MP4C	X	-78.258	.5
44	MP4C	Z	45.182	.5
45	MP4C	Mx	0	.5
46	MP4C	X	-78.258	5.5
47	MP4C	Z	45.182	5.5
48	MP4C	Mx	0	5.5
49	MP2A	X	-85.397	.5
50	MP2A	Z	49.304	.5
51	MP2A	Mx	.074	.5
52	MP2A	X	-85.397	5.5
53	MP2A	Z	49.304	5.5
54	MP2A	Mx	.074	5.5
55	MP2B	X	-57.022	.5
56	MP2B	Z	32.921	.5
57	MP2B	Mx	-.009	.5
58	MP2B	X	-57.022	5.5
59	MP2B	Z	32.921	5.5
60	MP2B	Mx	-.009	5.5
61	MP2C	X	-99.585	.5
62	MP2C	Z	57.495	.5
63	MP2C	Mx	-.067	.5
64	MP2C	X	-99.585	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2C	Z	57.495	5.5
66	MP2C	Mx	-.067	5.5
67	MP2A	X	-85.397	.5
68	MP2A	Z	49.304	.5
69	MP2A	Mx	-.025	.5
70	MP2A	X	-85.397	5.5
71	MP2A	Z	49.304	5.5
72	MP2A	Mx	-.025	5.5
73	MP2B	X	-57.022	.5
74	MP2B	Z	32.921	.5
75	MP2B	Mx	-.048	.5
76	MP2B	X	-57.022	5.5
77	MP2B	Z	32.921	5.5
78	MP2B	Mx	-.048	5.5
79	MP2C	X	-99.585	.5
80	MP2C	Z	57.495	.5
81	MP2C	Mx	.067	.5
82	MP2C	X	-99.585	5.5
83	MP2C	Z	57.495	5.5
84	MP2C	Mx	.067	5.5
85	MP3A	X	-59.236	2
86	MP3A	Z	34.2	2
87	MP3A	Mx	.017	2
88	MP3A	X	-59.236	4
89	MP3A	Z	34.2	4
90	MP3A	Mx	.017	4
91	MP3B	X	-36.011	2
92	MP3B	Z	20.791	2
93	MP3B	Mx	-.018	2
94	MP3B	X	-36.011	4
95	MP3B	Z	20.791	4
96	MP3B	Mx	-.018	4
97	MP3C	X	-70.848	2
98	MP3C	Z	40.904	2
99	MP3C	Mx	0	2
100	MP3C	X	-70.848	4
101	MP3C	Z	40.904	4
102	MP3C	Mx	0	4
103	MP3A	X	-49.702	1
104	MP3A	Z	28.695	1
105	MP3A	Mx	-.014	1
106	MP3B	X	-37.051	1
107	MP3B	Z	21.391	1
108	MP3B	Mx	.019	1
109	MP3C	X	-56.028	1
110	MP3C	Z	32.348	1
111	MP3C	Mx	0	1
112	MP2A	X	-51.419	1
113	MP2A	Z	29.687	1
114	MP2A	Mx	-.015	1
115	MP2B	X	-42.201	1
116	MP2B	Z	24.365	1
117	MP2B	Mx	.021	1
118	MP2C	X	-56.028	1
119	MP2C	Z	32.348	1
120	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	-20.079	4.5
2	MP2A	Z	0	4.5
3	MP2A	Mx	-.014	4.5
4	MP2A	X	-20.079	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.014	5.5
7	MP2A	X	-20.079	4.5
8	MP2A	Z	0	4.5
9	MP2A	Mx	-.021	4.5
10	MP2A	X	-20.079	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.021	5.5
13	MP1A	X	-157.643	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	.068	.5
16	MP1A	X	-157.643	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	.068	5.5
19	MP1B	X	-112.79	.5
20	MP1B	Z	0	.5
21	MP1B	Mx	-.028	.5
22	MP1B	X	-112.79	5.5
23	MP1B	Z	0	5.5
24	MP1B	Mx	-.028	5.5
25	MP1C	X	-112.79	.5
26	MP1C	Z	0	.5
27	MP1C	Mx	-.028	.5
28	MP1C	X	-112.79	5.5
29	MP1C	Z	0	5.5
30	MP1C	Mx	-.028	5.5
31	MP4A	X	-157.643	.5
32	MP4A	Z	0	.5
33	MP4A	Mx	.068	.5
34	MP4A	X	-157.643	5.5
35	MP4A	Z	0	5.5
36	MP4A	Mx	.068	5.5
37	MP4B	X	-112.79	.5
38	MP4B	Z	0	.5
39	MP4B	Mx	-.028	.5
40	MP4B	X	-112.79	5.5
41	MP4B	Z	0	5.5
42	MP4B	Mx	-.028	5.5
43	MP4C	X	-112.79	.5
44	MP4C	Z	0	.5
45	MP4C	Mx	-.028	.5
46	MP4C	X	-112.79	5.5
47	MP4C	Z	0	5.5
48	MP4C	Mx	-.028	5.5
49	MP2A	X	-65.843	.5
50	MP2A	Z	0	.5
51	MP2A	Mx	.048	.5
52	MP2A	X	-65.843	5.5
53	MP2A	Z	0	5.5
54	MP2A	Mx	.048	5.5
55	MP2B	X	-98.608	.5
56	MP2B	Z	0	.5
57	MP2B	Mx	.025	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-98.608	5.5
59	MP2B	Z	0	5.5
60	MP2B	Mx	.025	5.5
61	MP2C	X	-98.608	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	-.074	.5
64	MP2C	X	-98.608	5.5
65	MP2C	Z	0	5.5
66	MP2C	Mx	-.074	5.5
67	MP2A	X	-65.843	.5
68	MP2A	Z	0	.5
69	MP2A	Mx	.009	.5
70	MP2A	X	-65.843	5.5
71	MP2A	Z	0	5.5
72	MP2A	Mx	.009	5.5
73	MP2B	X	-98.608	.5
74	MP2B	Z	0	.5
75	MP2B	Mx	-.074	.5
76	MP2B	X	-98.608	5.5
77	MP2B	Z	0	5.5
78	MP2B	Mx	-.074	5.5
79	MP2C	X	-98.608	.5
80	MP2C	Z	0	.5
81	MP2C	Mx	.025	.5
82	MP2C	X	-98.608	5.5
83	MP2C	Z	0	5.5
84	MP2C	Mx	.025	5.5
85	MP3A	X	-41.582	2
86	MP3A	Z	0	2
87	MP3A	Mx	.018	2
88	MP3A	X	-41.582	4
89	MP3A	Z	0	4
90	MP3A	Mx	.018	4
91	MP3B	X	-68.399	2
92	MP3B	Z	0	2
93	MP3B	Mx	-.017	2
94	MP3B	X	-68.399	4
95	MP3B	Z	0	4
96	MP3B	Mx	-.017	4
97	MP3C	X	-68.399	2
98	MP3C	Z	0	2
99	MP3C	Mx	-.017	2
100	MP3C	X	-68.399	4
101	MP3C	Z	0	4
102	MP3C	Mx	-.017	4
103	MP3A	X	-42.782	1
104	MP3A	Z	0	1
105	MP3A	Mx	-.019	1
106	MP3B	X	-57.391	1
107	MP3B	Z	0	1
108	MP3B	Mx	.014	1
109	MP3C	X	-57.391	1
110	MP3C	Z	0	1
111	MP3C	Mx	.014	1
112	MP2A	X	-48.73	1
113	MP2A	Z	0	1
114	MP2A	Mx	-.021	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
115	MP2B	X	-59.373	1
116	MP2B	Z	0	1
117	MP2B	Mx	.015	1
118	MP2C	X	-59.373	1
119	MP2C	Z	0	1
120	MP2C	Mx	.015	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	-17.402	4.5
2	MP2A	Z	-10.047	4.5
3	MP2A	Mx	-.02	4.5
4	MP2A	X	-17.402	5.5
5	MP2A	Z	-10.047	5.5
6	MP2A	Mx	-.02	5.5
7	MP2A	X	-17.402	4.5
8	MP2A	Z	-10.047	4.5
9	MP2A	Mx	-.02	4.5
10	MP2A	X	-17.402	5.5
11	MP2A	Z	-10.047	5.5
12	MP2A	Mx	-.02	5.5
13	MP1A	X	-155.944	.5
14	MP1A	Z	-90.034	.5
15	MP1A	Mx	.09	.5
16	MP1A	X	-155.944	5.5
17	MP1A	Z	-90.034	5.5
18	MP1A	Mx	.09	5.5
19	MP1B	X	-78.258	.5
20	MP1B	Z	-45.182	.5
21	MP1B	Mx	0	.5
22	MP1B	X	-78.258	5.5
23	MP1B	Z	-45.182	5.5
24	MP1B	Mx	0	5.5
25	MP1C	X	-136.522	.5
26	MP1C	Z	-78.821	.5
27	MP1C	Mx	-.068	.5
28	MP1C	X	-136.522	5.5
29	MP1C	Z	-78.821	5.5
30	MP1C	Mx	-.068	5.5
31	MP4A	X	-155.944	.5
32	MP4A	Z	-90.034	.5
33	MP4A	Mx	.09	.5
34	MP4A	X	-155.944	5.5
35	MP4A	Z	-90.034	5.5
36	MP4A	Mx	.09	5.5
37	MP4B	X	-78.258	.5
38	MP4B	Z	-45.182	.5
39	MP4B	Mx	0	.5
40	MP4B	X	-78.258	5.5
41	MP4B	Z	-45.182	5.5
42	MP4B	Mx	0	5.5
43	MP4C	X	-136.522	.5
44	MP4C	Z	-78.821	.5
45	MP4C	Mx	-.068	.5
46	MP4C	X	-136.522	5.5
47	MP4C	Z	-78.821	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP4C	Mx	-.068	5.5
49	MP2A	X	-42.834	.5
50	MP2A	Z	-24.73	.5
51	MP2A	Mx	.025	.5
52	MP2A	X	-42.834	5.5
53	MP2A	Z	-24.73	5.5
54	MP2A	Mx	.025	5.5
55	MP2B	X	-99.585	.5
56	MP2B	Z	-57.495	.5
57	MP2B	Mx	.067	.5
58	MP2B	X	-99.585	5.5
59	MP2B	Z	-57.495	5.5
60	MP2B	Mx	.067	5.5
61	MP2C	X	-57.022	.5
62	MP2C	Z	-32.921	.5
63	MP2C	Mx	-.048	.5
64	MP2C	X	-57.022	5.5
65	MP2C	Z	-32.921	5.5
66	MP2C	Mx	-.048	5.5
67	MP2A	X	-42.834	.5
68	MP2A	Z	-24.73	.5
69	MP2A	Mx	.025	.5
70	MP2A	X	-42.834	5.5
71	MP2A	Z	-24.73	5.5
72	MP2A	Mx	.025	5.5
73	MP2B	X	-99.585	.5
74	MP2B	Z	-57.495	.5
75	MP2B	Mx	-.067	.5
76	MP2B	X	-99.585	5.5
77	MP2B	Z	-57.495	5.5
78	MP2B	Mx	-.067	5.5
79	MP2C	X	-57.022	.5
80	MP2C	Z	-32.921	.5
81	MP2C	Mx	-.009	.5
82	MP2C	X	-57.022	5.5
83	MP2C	Z	-32.921	5.5
84	MP2C	Mx	-.009	5.5
85	MP3A	X	-24.399	2
86	MP3A	Z	-14.087	2
87	MP3A	Mx	.014	2
88	MP3A	X	-24.399	4
89	MP3A	Z	-14.087	4
90	MP3A	Mx	.014	4
91	MP3B	X	-70.848	2
92	MP3B	Z	-40.904	2
93	MP3B	Mx	0	2
94	MP3B	X	-70.848	4
95	MP3B	Z	-40.904	4
96	MP3B	Mx	0	4
97	MP3C	X	-36.011	2
98	MP3C	Z	-20.791	2
99	MP3C	Mx	-.018	2
100	MP3C	X	-36.011	4
101	MP3C	Z	-20.791	4
102	MP3C	Mx	-.018	4
103	MP3A	X	-30.725	1
104	MP3A	Z	-17.739	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP3A	Mx	-.018	1
106	MP3B	X	-56.028	1
107	MP3B	Z	-32.348	1
108	MP3B	Mx	0	1
109	MP3C	X	-37.051	1
110	MP3C	Z	-21.391	1
111	MP3C	Mx	.019	1
112	MP2A	X	-37.593	1
113	MP2A	Z	-21.704	1
114	MP2A	Mx	-.022	1
115	MP2B	X	-56.028	1
116	MP2B	Z	-32.348	1
117	MP2B	Mx	0	1
118	MP2C	X	-42.201	1
119	MP2C	Z	-24.365	1
120	MP2C	Mx	.021	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-10.039	4.5
2	MP2A	Z	-17.389	4.5
3	MP2A	Mx	-.021	4.5
4	MP2A	X	-10.039	5.5
5	MP2A	Z	-17.389	5.5
6	MP2A	Mx	-.021	5.5
7	MP2A	X	-10.039	4.5
8	MP2A	Z	-17.389	4.5
9	MP2A	Mx	-.014	4.5
10	MP2A	X	-10.039	5.5
11	MP2A	Z	-17.389	5.5
12	MP2A	Mx	-.014	5.5
13	MP1A	X	-78.821	.5
14	MP1A	Z	-136.522	.5
15	MP1A	Mx	.068	.5
16	MP1A	X	-78.821	5.5
17	MP1A	Z	-136.522	5.5
18	MP1A	Mx	.068	5.5
19	MP1B	X	-56.395	.5
20	MP1B	Z	-97.679	.5
21	MP1B	Mx	.028	.5
22	MP1B	X	-56.395	5.5
23	MP1B	Z	-97.679	5.5
24	MP1B	Mx	.028	5.5
25	MP1C	X	-90.034	.5
26	MP1C	Z	-155.944	.5
27	MP1C	Mx	-.09	.5
28	MP1C	X	-90.034	5.5
29	MP1C	Z	-155.944	5.5
30	MP1C	Mx	-.09	5.5
31	MP4A	X	-78.821	.5
32	MP4A	Z	-136.522	.5
33	MP4A	Mx	.068	.5
34	MP4A	X	-78.821	5.5
35	MP4A	Z	-136.522	5.5
36	MP4A	Mx	.068	5.5
37	MP4B	X	-56.395	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP4B	Z	-97.679	.5
39	MP4B	Mx	.028	.5
40	MP4B	X	-56.395	5.5
41	MP4B	Z	-97.679	5.5
42	MP4B	Mx	.028	5.5
43	MP4C	X	-90.034	.5
44	MP4C	Z	-155.944	.5
45	MP4C	Mx	-.09	.5
46	MP4C	X	-90.034	5.5
47	MP4C	Z	-155.944	5.5
48	MP4C	Mx	-.09	5.5
49	MP2A	X	-32.921	.5
50	MP2A	Z	-57.022	.5
51	MP2A	Mx	.009	.5
52	MP2A	X	-32.921	5.5
53	MP2A	Z	-57.022	5.5
54	MP2A	Mx	.009	5.5
55	MP2B	X	-49.304	.5
56	MP2B	Z	-85.397	.5
57	MP2B	Mx	.074	.5
58	MP2B	X	-49.304	5.5
59	MP2B	Z	-85.397	5.5
60	MP2B	Mx	.074	5.5
61	MP2C	X	-24.73	.5
62	MP2C	Z	-42.834	.5
63	MP2C	Mx	-.025	.5
64	MP2C	X	-24.73	5.5
65	MP2C	Z	-42.834	5.5
66	MP2C	Mx	-.025	5.5
67	MP2A	X	-32.921	.5
68	MP2A	Z	-57.022	.5
69	MP2A	Mx	.048	.5
70	MP2A	X	-32.921	5.5
71	MP2A	Z	-57.022	5.5
72	MP2A	Mx	.048	5.5
73	MP2B	X	-49.304	.5
74	MP2B	Z	-85.397	.5
75	MP2B	Mx	-.025	.5
76	MP2B	X	-49.304	5.5
77	MP2B	Z	-85.397	5.5
78	MP2B	Mx	-.025	5.5
79	MP2C	X	-24.73	.5
80	MP2C	Z	-42.834	.5
81	MP2C	Mx	-.025	.5
82	MP2C	X	-24.73	5.5
83	MP2C	Z	-42.834	5.5
84	MP2C	Mx	-.025	5.5
85	MP3A	X	-20.791	2
86	MP3A	Z	-36.011	2
87	MP3A	Mx	.018	2
88	MP3A	X	-20.791	4
89	MP3A	Z	-36.011	4
90	MP3A	Mx	.018	4
91	MP3B	X	-34.2	2
92	MP3B	Z	-59.236	2
93	MP3B	Mx	.017	2
94	MP3B	X	-34.2	4

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

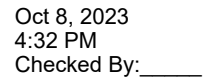
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
95	MP3B	Z	-59.236	4
96	MP3B	Mx	.017	4
97	MP3C	X	-14.087	2
98	MP3C	Z	-24.399	2
99	MP3C	Mx	-.014	2
100	MP3C	X	-14.087	4
101	MP3C	Z	-24.399	4
102	MP3C	Mx	-.014	4
103	MP3A	X	-21.391	1
104	MP3A	Z	-37.051	1
105	MP3A	Mx	-.019	1
106	MP3B	X	-28.695	1
107	MP3B	Z	-49.702	1
108	MP3B	Mx	-.014	1
109	MP3C	X	-17.739	1
110	MP3C	Z	-30.725	1
111	MP3C	Mx	.018	1
112	MP2A	X	-24.365	1
113	MP2A	Z	-42.201	1
114	MP2A	Mx	-.021	1
115	MP2B	X	-29.687	1
116	MP2B	Z	-51.419	1
117	MP2B	Mx	-.015	1
118	MP2C	X	-21.704	1
119	MP2C	Z	-37.593	1
120	MP2C	Mx	.022	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	0	4.5
2	MP2A	Z	-2.377	4.5
3	MP2A	Mx	-.002	4.5
4	MP2A	X	0	5.5
5	MP2A	Z	-2.377	5.5
6	MP2A	Mx	-.002	5.5
7	MP2A	X	0	4.5
8	MP2A	Z	-2.377	4.5
9	MP2A	Mx	-.000502	4.5
10	MP2A	X	0	5.5
11	MP2A	Z	-2.377	5.5
12	MP2A	Mx	-.000502	5.5
13	MP1A	X	0	.5
14	MP1A	Z	-22.407	.5
15	MP1A	Mx	.006	.5
16	MP1A	X	0	5.5
17	MP1A	Z	-22.407	5.5
18	MP1A	Mx	.006	5.5
19	MP1B	X	0	.5
20	MP1B	Z	-30.373	.5
21	MP1B	Mx	.013	.5
22	MP1B	X	0	5.5
23	MP1B	Z	-30.373	5.5
24	MP1B	Mx	.013	5.5
25	MP1C	X	0	.5
26	MP1C	Z	-30.373	.5
27	MP1C	Mx	-.013	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1C	X	0	5.5
29	MP1C	Z	-30.373	5.5
30	MP1C	Mx	-.013	5.5
31	MP4A	X	0	.5
32	MP4A	Z	-22.407	.5
33	MP4A	Mx	.006	.5
34	MP4A	X	0	5.5
35	MP4A	Z	-22.407	5.5
36	MP4A	Mx	.006	5.5
37	MP4B	X	0	.5
38	MP4B	Z	-30.373	.5
39	MP4B	Mx	.013	.5
40	MP4B	X	0	5.5
41	MP4B	Z	-30.373	5.5
42	MP4B	Mx	.013	5.5
43	MP4C	X	0	.5
44	MP4C	Z	-30.373	.5
45	MP4C	Mx	-.013	.5
46	MP4C	X	0	5.5
47	MP4C	Z	-30.373	5.5
48	MP4C	Mx	-.013	5.5
49	MP2A	X	0	.5
50	MP2A	Z	-30.231	.5
51	MP2A	Mx	-.008	.5
52	MP2A	X	0	5.5
53	MP2A	Z	-30.231	5.5
54	MP2A	Mx	-.008	5.5
55	MP2B	X	0	.5
56	MP2B	Z	-25.148	.5
57	MP2B	Mx	.018	.5
58	MP2B	X	0	5.5
59	MP2B	Z	-25.148	5.5
60	MP2B	Mx	.018	5.5
61	MP2C	X	0	.5
62	MP2C	Z	-25.148	.5
63	MP2C	Mx	-.004	.5
64	MP2C	X	0	5.5
65	MP2C	Z	-25.148	5.5
66	MP2C	Mx	-.004	5.5
67	MP2A	X	0	.5
68	MP2A	Z	-30.231	.5
69	MP2A	Mx	.023	.5
70	MP2A	X	0	5.5
71	MP2A	Z	-30.231	5.5
72	MP2A	Mx	.023	5.5
73	MP2B	X	0	.5
74	MP2B	Z	-25.148	.5
75	MP2B	Mx	.004	.5
76	MP2B	X	0	5.5
77	MP2B	Z	-25.148	5.5
78	MP2B	Mx	.004	5.5
79	MP2C	X	0	.5
80	MP2C	Z	-25.148	.5
81	MP2C	Mx	-.018	.5
82	MP2C	X	0	5.5
83	MP2C	Z	-25.148	5.5
84	MP2C	Mx	-.018	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1A	Mx	0	5.5
19	MP1B	X	17.178	.5
20	MP1B	Z	-29.753	.5
21	MP1B	Mx	.017	.5
22	MP1B	X	17.178	5.5
23	MP1B	Z	-29.753	5.5
24	MP1B	Mx	.017	5.5
25	MP1C	X	11.203	.5
26	MP1C	Z	-19.405	.5
27	MP1C	Mx	-.006	.5
28	MP1C	X	11.203	5.5
29	MP1C	Z	-19.405	5.5
30	MP1C	Mx	-.006	5.5
31	MP4A	X	9.212	.5
32	MP4A	Z	-15.956	.5
33	MP4A	Mx	0	.5
34	MP4A	X	9.212	5.5
35	MP4A	Z	-15.956	5.5
36	MP4A	Mx	0	5.5
37	MP4B	X	17.178	.5
38	MP4B	Z	-29.753	.5
39	MP4B	Mx	.017	.5
40	MP4B	X	17.178	5.5
41	MP4B	Z	-29.753	5.5
42	MP4B	Mx	.017	5.5
43	MP4C	X	11.203	.5
44	MP4C	Z	-19.405	.5
45	MP4C	Mx	-.006	.5
46	MP4C	X	11.203	5.5
47	MP4C	Z	-19.405	5.5
48	MP4C	Mx	-.006	5.5
49	MP2A	X	16.386	.5
50	MP2A	Z	-28.381	.5
51	MP2A	Mx	-.019	.5
52	MP2A	X	16.386	5.5
53	MP2A	Z	-28.381	5.5
54	MP2A	Mx	-.019	5.5
55	MP2B	X	11.303	.5
56	MP2B	Z	-19.578	.5
57	MP2B	Mx	.011	.5
58	MP2B	X	11.303	5.5
59	MP2B	Z	-19.578	5.5
60	MP2B	Mx	.011	5.5
61	MP2C	X	15.115	.5
62	MP2C	Z	-26.18	.5
63	MP2C	Mx	.008	.5
64	MP2C	X	15.115	5.5
65	MP2C	Z	-26.18	5.5
66	MP2C	Mx	.008	5.5
67	MP2A	X	16.386	.5
68	MP2A	Z	-28.381	.5
69	MP2A	Mx	.019	.5
70	MP2A	X	16.386	5.5
71	MP2A	Z	-28.381	5.5
72	MP2A	Mx	.019	5.5
73	MP2B	X	11.303	.5
74	MP2B	Z	-19.578	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
75	MP2B	Mx	.011	.5
76	MP2B	X	11.303	5.5
77	MP2B	Z	-19.578	5.5
78	MP2B	Mx	.011	5.5
79	MP2C	X	15.115	.5
80	MP2C	Z	-26.18	.5
81	MP2C	Mx	-.023	.5
82	MP2C	X	15.115	5.5
83	MP2C	Z	-26.18	5.5
84	MP2C	Mx	-.023	5.5
85	MP3A	X	9.624	2
86	MP3A	Z	-16.669	2
87	MP3A	Mx	0	2
88	MP3A	X	9.624	4
89	MP3A	Z	-16.669	4
90	MP3A	Mx	0	4
91	MP3B	X	4.101	2
92	MP3B	Z	-7.103	2
93	MP3B	Mx	.004	2
94	MP3B	X	4.101	4
95	MP3B	Z	-7.103	4
96	MP3B	Mx	.004	4
97	MP3C	X	8.243	2
98	MP3C	Z	-14.277	2
99	MP3C	Mx	-.004	2
100	MP3C	X	8.243	4
101	MP3C	Z	-14.277	4
102	MP3C	Mx	-.004	4
103	MP3A	X	8.113	1
104	MP3A	Z	-14.052	1
105	MP3A	Mx	0	1
106	MP3B	X	4.706	1
107	MP3B	Z	-8.152	1
108	MP3B	Mx	-.005	1
109	MP3C	X	7.261	1
110	MP3C	Z	-12.577	1
111	MP3C	Mx	.004	1
112	MP2A	X	8.113	1
113	MP2A	Z	-14.052	1
114	MP2A	Mx	0	1
115	MP2B	X	5.644	1
116	MP2B	Z	-9.776	1
117	MP2B	Mx	-.006	1
118	MP2C	X	7.496	1
119	MP2C	Z	-12.983	1
120	MP2C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	2.059	4.5
2	MP2A	Z	-1.188	4.5
3	MP2A	Mx	.000503	4.5
4	MP2A	X	2.059	5.5
5	MP2A	Z	-1.188	5.5
6	MP2A	Mx	.000503	5.5
7	MP2A	X	2.059	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2A	Z	-1.188	4.5
9	MP2A	Mx	.002	4.5
10	MP2A	X	2.059	5.5
11	MP2A	Z	-1.188	5.5
12	MP2A	Mx	.002	5.5
13	MP1A	X	19.405	.5
14	MP1A	Z	-11.203	.5
15	MP1A	Mx	-.006	.5
16	MP1A	X	19.405	5.5
17	MP1A	Z	-11.203	5.5
18	MP1A	Mx	-.006	5.5
19	MP1B	X	26.303	.5
20	MP1B	Z	-15.186	.5
21	MP1B	Mx	.013	.5
22	MP1B	X	26.303	5.5
23	MP1B	Z	-15.186	5.5
24	MP1B	Mx	.013	5.5
25	MP1C	X	15.956	.5
26	MP1C	Z	-9.212	.5
27	MP1C	Mx	0	.5
28	MP1C	X	15.956	5.5
29	MP1C	Z	-9.212	5.5
30	MP1C	Mx	0	5.5
31	MP4A	X	19.405	.5
32	MP4A	Z	-11.203	.5
33	MP4A	Mx	-.006	.5
34	MP4A	X	19.405	5.5
35	MP4A	Z	-11.203	5.5
36	MP4A	Mx	-.006	5.5
37	MP4B	X	26.303	.5
38	MP4B	Z	-15.186	.5
39	MP4B	Mx	.013	.5
40	MP4B	X	26.303	5.5
41	MP4B	Z	-15.186	5.5
42	MP4B	Mx	.013	5.5
43	MP4C	X	15.956	.5
44	MP4C	Z	-9.212	.5
45	MP4C	Mx	0	.5
46	MP4C	X	15.956	5.5
47	MP4C	Z	-9.212	5.5
48	MP4C	Mx	0	5.5
49	MP2A	X	26.18	.5
50	MP2A	Z	-15.115	.5
51	MP2A	Mx	-.023	.5
52	MP2A	X	26.18	5.5
53	MP2A	Z	-15.115	5.5
54	MP2A	Mx	-.023	5.5
55	MP2B	X	21.779	.5
56	MP2B	Z	-12.574	.5
57	MP2B	Mx	.004	.5
58	MP2B	X	21.779	5.5
59	MP2B	Z	-12.574	5.5
60	MP2B	Mx	.004	5.5
61	MP2C	X	28.381	.5
62	MP2C	Z	-16.386	.5
63	MP2C	Mx	.019	.5
64	MP2C	X	28.381	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2C	Z	-16.386	5.5
66	MP2C	Mx	.019	5.5
67	MP2A	X	26.18	.5
68	MP2A	Z	-15.115	.5
69	MP2A	Mx	.008	.5
70	MP2A	X	26.18	5.5
71	MP2A	Z	-15.115	5.5
72	MP2A	Mx	.008	5.5
73	MP2B	X	21.779	.5
74	MP2B	Z	-12.574	.5
75	MP2B	Mx	.018	.5
76	MP2B	X	21.779	5.5
77	MP2B	Z	-12.574	5.5
78	MP2B	Mx	.018	5.5
79	MP2C	X	28.381	.5
80	MP2C	Z	-16.386	.5
81	MP2C	Mx	-.019	.5
82	MP2C	X	28.381	5.5
83	MP2C	Z	-16.386	5.5
84	MP2C	Mx	-.019	5.5
85	MP3A	X	14.277	2
86	MP3A	Z	-8.243	2
87	MP3A	Mx	-.004	2
88	MP3A	X	14.277	4
89	MP3A	Z	-8.243	4
90	MP3A	Mx	-.004	4
91	MP3B	X	9.494	2
92	MP3B	Z	-5.482	2
93	MP3B	Mx	.005	2
94	MP3B	X	9.494	4
95	MP3B	Z	-5.482	4
96	MP3B	Mx	.005	4
97	MP3C	X	16.669	2
98	MP3C	Z	-9.624	2
99	MP3C	Mx	0	2
100	MP3C	X	16.669	4
101	MP3C	Z	-9.624	4
102	MP3C	Mx	0	4
103	MP3A	X	12.577	1
104	MP3A	Z	-7.261	1
105	MP3A	Mx	.004	1
106	MP3B	X	9.627	1
107	MP3B	Z	-5.558	1
108	MP3B	Mx	-.005	1
109	MP3C	X	14.052	1
110	MP3C	Z	-8.113	1
111	MP3C	Mx	0	1
112	MP2A	X	12.983	1
113	MP2A	Z	-7.496	1
114	MP2A	Mx	.004	1
115	MP2B	X	10.845	1
116	MP2B	Z	-6.262	1
117	MP2B	Mx	-.005	1
118	MP2C	X	14.052	1
119	MP2C	Z	-8.113	1
120	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	3.766	4.5
2	MP2A	Z	0	4.5
3	MP2A	Mx	.003	4.5
4	MP2A	X	3.766	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.003	5.5
7	MP2A	X	3.766	4.5
8	MP2A	Z	0	4.5
9	MP2A	Mx	.004	4.5
10	MP2A	X	3.766	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.004	5.5
13	MP1A	X	30.373	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	-.013	.5
16	MP1A	X	30.373	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	-.013	5.5
19	MP1B	X	22.407	.5
20	MP1B	Z	0	.5
21	MP1B	Mx	.006	.5
22	MP1B	X	22.407	5.5
23	MP1B	Z	0	5.5
24	MP1B	Mx	.006	5.5
25	MP1C	X	22.407	.5
26	MP1C	Z	0	.5
27	MP1C	Mx	.006	.5
28	MP1C	X	22.407	5.5
29	MP1C	Z	0	5.5
30	MP1C	Mx	.006	5.5
31	MP4A	X	30.373	.5
32	MP4A	Z	0	.5
33	MP4A	Mx	-.013	.5
34	MP4A	X	30.373	5.5
35	MP4A	Z	0	5.5
36	MP4A	Mx	-.013	5.5
37	MP4B	X	22.407	.5
38	MP4B	Z	0	.5
39	MP4B	Mx	.006	.5
40	MP4B	X	22.407	5.5
41	MP4B	Z	0	5.5
42	MP4B	Mx	.006	5.5
43	MP4C	X	22.407	.5
44	MP4C	Z	0	.5
45	MP4C	Mx	.006	.5
46	MP4C	X	22.407	5.5
47	MP4C	Z	0	5.5
48	MP4C	Mx	.006	5.5
49	MP2A	X	25.148	.5
50	MP2A	Z	0	.5
51	MP2A	Mx	-.018	.5
52	MP2A	X	25.148	5.5
53	MP2A	Z	0	5.5
54	MP2A	Mx	-.018	5.5
55	MP2B	X	30.231	.5
56	MP2B	Z	0	.5
57	MP2B	Mx	-.008	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	30.231	5.5
59	MP2B	Z	0	5.5
60	MP2B	Mx	-.008	5.5
61	MP2C	X	30.231	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.023	.5
64	MP2C	X	30.231	5.5
65	MP2C	Z	0	5.5
66	MP2C	Mx	.023	5.5
67	MP2A	X	25.148	.5
68	MP2A	Z	0	.5
69	MP2A	Mx	-.004	.5
70	MP2A	X	25.148	5.5
71	MP2A	Z	0	5.5
72	MP2A	Mx	-.004	5.5
73	MP2B	X	30.231	.5
74	MP2B	Z	0	.5
75	MP2B	Mx	.023	.5
76	MP2B	X	30.231	5.5
77	MP2B	Z	0	5.5
78	MP2B	Mx	.023	5.5
79	MP2C	X	30.231	.5
80	MP2C	Z	0	.5
81	MP2C	Mx	-.008	.5
82	MP2C	X	30.231	5.5
83	MP2C	Z	0	5.5
84	MP2C	Mx	-.008	5.5
85	MP3A	X	10.963	2
86	MP3A	Z	0	2
87	MP3A	Mx	-.005	2
88	MP3A	X	10.963	4
89	MP3A	Z	0	4
90	MP3A	Mx	-.005	4
91	MP3B	X	16.486	2
92	MP3B	Z	0	2
93	MP3B	Mx	.004	2
94	MP3B	X	16.486	4
95	MP3B	Z	0	4
96	MP3B	Mx	.004	4
97	MP3C	X	16.486	2
98	MP3C	Z	0	2
99	MP3C	Mx	.004	2
100	MP3C	X	16.486	4
101	MP3C	Z	0	4
102	MP3C	Mx	.004	4
103	MP3A	X	11.116	1
104	MP3A	Z	0	1
105	MP3A	Mx	.005	1
106	MP3B	X	14.523	1
107	MP3B	Z	0	1
108	MP3B	Mx	-.004	1
109	MP3C	X	14.523	1
110	MP3C	Z	0	1
111	MP3C	Mx	-.004	1
112	MP2A	X	12.523	1
113	MP2A	Z	0	1
114	MP2A	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
115	MP2B	X	14.992	1
116	MP2B	Z	0	1
117	MP2B	Mx	-.004	1
118	MP2C	X	14.992	1
119	MP2C	Z	0	1
120	MP2C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	3.863	4.5
2	MP2A	Z	2.231	4.5
3	MP2A	Mx	.004	4.5
4	MP2A	X	3.863	5.5
5	MP2A	Z	2.231	5.5
6	MP2A	Mx	.004	5.5
7	MP2A	X	3.863	4.5
8	MP2A	Z	2.231	4.5
9	MP2A	Mx	.004	4.5
10	MP2A	X	3.863	5.5
11	MP2A	Z	2.231	5.5
12	MP2A	Mx	.004	5.5
13	MP1A	X	29.753	.5
14	MP1A	Z	17.178	.5
15	MP1A	Mx	-.017	.5
16	MP1A	X	29.753	5.5
17	MP1A	Z	17.178	5.5
18	MP1A	Mx	-.017	5.5
19	MP1B	X	15.956	.5
20	MP1B	Z	9.212	.5
21	MP1B	Mx	0	.5
22	MP1B	X	15.956	5.5
23	MP1B	Z	9.212	5.5
24	MP1B	Mx	0	5.5
25	MP1C	X	26.303	.5
26	MP1C	Z	15.186	.5
27	MP1C	Mx	.013	.5
28	MP1C	X	26.303	5.5
29	MP1C	Z	15.186	5.5
30	MP1C	Mx	.013	5.5
31	MP4A	X	29.753	.5
32	MP4A	Z	17.178	.5
33	MP4A	Mx	-.017	.5
34	MP4A	X	29.753	5.5
35	MP4A	Z	17.178	5.5
36	MP4A	Mx	-.017	5.5
37	MP4B	X	15.956	.5
38	MP4B	Z	9.212	.5
39	MP4B	Mx	0	.5
40	MP4B	X	15.956	5.5
41	MP4B	Z	9.212	5.5
42	MP4B	Mx	0	5.5
43	MP4C	X	26.303	.5
44	MP4C	Z	15.186	.5
45	MP4C	Mx	.013	.5
46	MP4C	X	26.303	5.5
47	MP4C	Z	15.186	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP4C	Mx	.013	5.5
49	MP2A	X	19.578	.5
50	MP2A	Z	11.303	.5
51	MP2A	Mx	-.011	.5
52	MP2A	X	19.578	5.5
53	MP2A	Z	11.303	5.5
54	MP2A	Mx	-.011	5.5
55	MP2B	X	28.381	.5
56	MP2B	Z	16.386	.5
57	MP2B	Mx	-.019	.5
58	MP2B	X	28.381	5.5
59	MP2B	Z	16.386	5.5
60	MP2B	Mx	-.019	5.5
61	MP2C	X	21.779	.5
62	MP2C	Z	12.574	.5
63	MP2C	Mx	.018	.5
64	MP2C	X	21.779	5.5
65	MP2C	Z	12.574	5.5
66	MP2C	Mx	.018	5.5
67	MP2A	X	19.578	.5
68	MP2A	Z	11.303	.5
69	MP2A	Mx	-.011	.5
70	MP2A	X	19.578	5.5
71	MP2A	Z	11.303	5.5
72	MP2A	Mx	-.011	5.5
73	MP2B	X	28.381	.5
74	MP2B	Z	16.386	.5
75	MP2B	Mx	.019	.5
76	MP2B	X	28.381	5.5
77	MP2B	Z	16.386	5.5
78	MP2B	Mx	.019	5.5
79	MP2C	X	21.779	.5
80	MP2C	Z	12.574	.5
81	MP2C	Mx	.004	.5
82	MP2C	X	21.779	5.5
83	MP2C	Z	12.574	5.5
84	MP2C	Mx	.004	5.5
85	MP3A	X	7.103	2
86	MP3A	Z	4.101	2
87	MP3A	Mx	-.004	2
88	MP3A	X	7.103	4
89	MP3A	Z	4.101	4
90	MP3A	Mx	-.004	4
91	MP3B	X	16.669	2
92	MP3B	Z	9.624	2
93	MP3B	Mx	0	2
94	MP3B	X	16.669	4
95	MP3B	Z	9.624	4
96	MP3B	Mx	0	4
97	MP3C	X	9.494	2
98	MP3C	Z	5.482	2
99	MP3C	Mx	.005	2
100	MP3C	X	9.494	4
101	MP3C	Z	5.482	4
102	MP3C	Mx	.005	4
103	MP3A	X	8.152	1
104	MP3A	Z	4.706	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
105	MP3A	Mx	.005	1
106	MP3B	X	14.052	1
107	MP3B	Z	8.113	1
108	MP3B	Mx	0	1
109	MP3C	X	9.627	1
110	MP3C	Z	5.558	1
111	MP3C	Mx	-.005	1
112	MP2A	X	9.776	1
113	MP2A	Z	5.644	1
114	MP2A	Mx	.006	1
115	MP2B	X	14.052	1
116	MP2B	Z	8.113	1
117	MP2B	Mx	0	1
118	MP2C	X	10.845	1
119	MP2C	Z	6.262	1
120	MP2C	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	1.883	4.5
2	MP2A	Z	3.262	4.5
3	MP2A	Mx	.004	4.5
4	MP2A	X	1.883	5.5
5	MP2A	Z	3.262	5.5
6	MP2A	Mx	.004	5.5
7	MP2A	X	1.883	4.5
8	MP2A	Z	3.262	4.5
9	MP2A	Mx	.003	4.5
10	MP2A	X	1.883	5.5
11	MP2A	Z	3.262	5.5
12	MP2A	Mx	.003	5.5
13	MP1A	X	15.186	.5
14	MP1A	Z	26.303	.5
15	MP1A	Mx	-.013	.5
16	MP1A	X	15.186	5.5
17	MP1A	Z	26.303	5.5
18	MP1A	Mx	-.013	5.5
19	MP1B	X	11.203	.5
20	MP1B	Z	19.405	.5
21	MP1B	Mx	-.006	.5
22	MP1B	X	11.203	5.5
23	MP1B	Z	19.405	5.5
24	MP1B	Mx	-.006	5.5
25	MP1C	X	17.178	.5
26	MP1C	Z	29.753	.5
27	MP1C	Mx	.017	.5
28	MP1C	X	17.178	5.5
29	MP1C	Z	29.753	5.5
30	MP1C	Mx	.017	5.5
31	MP4A	X	15.186	.5
32	MP4A	Z	26.303	.5
33	MP4A	Mx	-.013	.5
34	MP4A	X	15.186	5.5
35	MP4A	Z	26.303	5.5
36	MP4A	Mx	-.013	5.5
37	MP4B	X	11.203	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP4B	Z	19.405	.5
39	MP4B	Mx	-.006	.5
40	MP4B	X	11.203	5.5
41	MP4B	Z	19.405	5.5
42	MP4B	Mx	-.006	5.5
43	MP4C	X	17.178	.5
44	MP4C	Z	29.753	.5
45	MP4C	Mx	.017	.5
46	MP4C	X	17.178	5.5
47	MP4C	Z	29.753	5.5
48	MP4C	Mx	.017	5.5
49	MP2A	X	12.574	.5
50	MP2A	Z	21.779	.5
51	MP2A	Mx	-.004	.5
52	MP2A	X	12.574	5.5
53	MP2A	Z	21.779	5.5
54	MP2A	Mx	-.004	5.5
55	MP2B	X	15.115	.5
56	MP2B	Z	26.18	.5
57	MP2B	Mx	-.023	.5
58	MP2B	X	15.115	5.5
59	MP2B	Z	26.18	5.5
60	MP2B	Mx	-.023	5.5
61	MP2C	X	11.303	.5
62	MP2C	Z	19.578	.5
63	MP2C	Mx	.011	.5
64	MP2C	X	11.303	5.5
65	MP2C	Z	19.578	5.5
66	MP2C	Mx	.011	5.5
67	MP2A	X	12.574	.5
68	MP2A	Z	21.779	.5
69	MP2A	Mx	-.018	.5
70	MP2A	X	12.574	5.5
71	MP2A	Z	21.779	5.5
72	MP2A	Mx	-.018	5.5
73	MP2B	X	15.115	.5
74	MP2B	Z	26.18	.5
75	MP2B	Mx	.008	.5
76	MP2B	X	15.115	5.5
77	MP2B	Z	26.18	5.5
78	MP2B	Mx	.008	5.5
79	MP2C	X	11.303	.5
80	MP2C	Z	19.578	.5
81	MP2C	Mx	.011	.5
82	MP2C	X	11.303	5.5
83	MP2C	Z	19.578	5.5
84	MP2C	Mx	.011	5.5
85	MP3A	X	5.482	2
86	MP3A	Z	9.494	2
87	MP3A	Mx	-.005	2
88	MP3A	X	5.482	4
89	MP3A	Z	9.494	4
90	MP3A	Mx	-.005	4
91	MP3B	X	8.243	2
92	MP3B	Z	14.277	2
93	MP3B	Mx	-.004	2
94	MP3B	X	8.243	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
95	MP3B	Z	14.277	4
96	MP3B	Mx	-.004	4
97	MP3C	X	4.101	2
98	MP3C	Z	7.103	2
99	MP3C	Mx	.004	2
100	MP3C	X	4.101	4
101	MP3C	Z	7.103	4
102	MP3C	Mx	.004	4
103	MP3A	X	5.558	1
104	MP3A	Z	9.627	1
105	MP3A	Mx	.005	1
106	MP3B	X	7.261	1
107	MP3B	Z	12.577	1
108	MP3B	Mx	.004	1
109	MP3C	X	4.706	1
110	MP3C	Z	8.152	1
111	MP3C	Mx	-.005	1
112	MP2A	X	6.262	1
113	MP2A	Z	10.845	1
114	MP2A	Mx	.005	1
115	MP2B	X	7.496	1
116	MP2B	Z	12.983	1
117	MP2B	Mx	.004	1
118	MP2C	X	5.644	1
119	MP2C	Z	9.776	1
120	MP2C	Mx	-.006	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	4.5
2	MP2A	Z	2.377	4.5
3	MP2A	Mx	.002	4.5
4	MP2A	X	0	5.5
5	MP2A	Z	2.377	5.5
6	MP2A	Mx	.002	5.5
7	MP2A	X	0	4.5
8	MP2A	Z	2.377	4.5
9	MP2A	Mx	.000502	4.5
10	MP2A	X	0	5.5
11	MP2A	Z	2.377	5.5
12	MP2A	Mx	.000502	5.5
13	MP1A	X	0	.5
14	MP1A	Z	22.407	.5
15	MP1A	Mx	-.006	.5
16	MP1A	X	0	5.5
17	MP1A	Z	22.407	5.5
18	MP1A	Mx	-.006	5.5
19	MP1B	X	0	.5
20	MP1B	Z	30.373	.5
21	MP1B	Mx	-.013	.5
22	MP1B	X	0	5.5
23	MP1B	Z	30.373	5.5
24	MP1B	Mx	-.013	5.5
25	MP1C	X	0	.5
26	MP1C	Z	30.373	.5
27	MP1C	Mx	.013	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1C	X	0	5.5
29	MP1C	Z	30.373	5.5
30	MP1C	Mx	.013	5.5
31	MP4A	X	0	.5
32	MP4A	Z	22.407	.5
33	MP4A	Mx	-.006	.5
34	MP4A	X	0	5.5
35	MP4A	Z	22.407	5.5
36	MP4A	Mx	-.006	5.5
37	MP4B	X	0	.5
38	MP4B	Z	30.373	.5
39	MP4B	Mx	-.013	.5
40	MP4B	X	0	5.5
41	MP4B	Z	30.373	5.5
42	MP4B	Mx	-.013	5.5
43	MP4C	X	0	.5
44	MP4C	Z	30.373	.5
45	MP4C	Mx	.013	.5
46	MP4C	X	0	5.5
47	MP4C	Z	30.373	5.5
48	MP4C	Mx	.013	5.5
49	MP2A	X	0	.5
50	MP2A	Z	30.231	.5
51	MP2A	Mx	.008	.5
52	MP2A	X	0	5.5
53	MP2A	Z	30.231	5.5
54	MP2A	Mx	.008	5.5
55	MP2B	X	0	.5
56	MP2B	Z	25.148	.5
57	MP2B	Mx	-.018	.5
58	MP2B	X	0	5.5
59	MP2B	Z	25.148	5.5
60	MP2B	Mx	-.018	5.5
61	MP2C	X	0	.5
62	MP2C	Z	25.148	.5
63	MP2C	Mx	.004	.5
64	MP2C	X	0	5.5
65	MP2C	Z	25.148	5.5
66	MP2C	Mx	.004	5.5
67	MP2A	X	0	.5
68	MP2A	Z	30.231	.5
69	MP2A	Mx	-.023	.5
70	MP2A	X	0	5.5
71	MP2A	Z	30.231	5.5
72	MP2A	Mx	-.023	5.5
73	MP2B	X	0	.5
74	MP2B	Z	25.148	.5
75	MP2B	Mx	-.004	.5
76	MP2B	X	0	5.5
77	MP2B	Z	25.148	5.5
78	MP2B	Mx	-.004	5.5
79	MP2C	X	0	.5
80	MP2C	Z	25.148	.5
81	MP2C	Mx	.018	.5
82	MP2C	X	0	5.5
83	MP2C	Z	25.148	5.5
84	MP2C	Mx	.018	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
85	MP3A	X	0	2
86	MP3A	Z	16.486	2
87	MP3A	Mx	-.004	2
88	MP3A	X	0	4
89	MP3A	Z	16.486	4
90	MP3A	Mx	-.004	4
91	MP3B	X	0	2
92	MP3B	Z	10.963	2
93	MP3B	Mx	-.005	2
94	MP3B	X	0	4
95	MP3B	Z	10.963	4
96	MP3B	Mx	-.005	4
97	MP3C	X	0	2
98	MP3C	Z	10.963	2
99	MP3C	Mx	.005	2
100	MP3C	X	0	4
101	MP3C	Z	10.963	4
102	MP3C	Mx	.005	4
103	MP3A	X	0	1
104	MP3A	Z	14.523	1
105	MP3A	Mx	.004	1
106	MP3B	X	0	1
107	MP3B	Z	11.116	1
108	MP3B	Mx	.005	1
109	MP3C	X	0	1
110	MP3C	Z	11.116	1
111	MP3C	Mx	-.005	1
112	MP2A	X	0	1
113	MP2A	Z	14.992	1
114	MP2A	Mx	.004	1
115	MP2B	X	0	1
116	MP2B	Z	12.523	1
117	MP2B	Mx	.005	1
118	MP2C	X	0	1
119	MP2C	Z	12.523	1
120	MP2C	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	-.841	4.5
2	MP2A	Z	1.457	4.5
3	MP2A	Mx	.000561	4.5
4	MP2A	X	-.841	5.5
5	MP2A	Z	1.457	5.5
6	MP2A	Mx	.000561	5.5
7	MP2A	X	-.841	4.5
8	MP2A	Z	1.457	4.5
9	MP2A	Mx	-.000561	4.5
10	MP2A	X	-.841	5.5
11	MP2A	Z	1.457	5.5
12	MP2A	Mx	-.000561	5.5
13	MP1A	X	-9.212	.5
14	MP1A	Z	15.956	.5
15	MP1A	Mx	0	.5
16	MP1A	X	-9.212	5.5
17	MP1A	Z	15.956	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP1A	Mx	0	5.5
19	MP1B	X	-17.178	.5
20	MP1B	Z	29.753	.5
21	MP1B	Mx	-.017	.5
22	MP1B	X	-17.178	5.5
23	MP1B	Z	29.753	5.5
24	MP1B	Mx	-.017	5.5
25	MP1C	X	-11.203	.5
26	MP1C	Z	19.405	.5
27	MP1C	Mx	.006	.5
28	MP1C	X	-11.203	5.5
29	MP1C	Z	19.405	5.5
30	MP1C	Mx	.006	5.5
31	MP4A	X	-9.212	.5
32	MP4A	Z	15.956	.5
33	MP4A	Mx	0	.5
34	MP4A	X	-9.212	5.5
35	MP4A	Z	15.956	5.5
36	MP4A	Mx	0	5.5
37	MP4B	X	-17.178	.5
38	MP4B	Z	29.753	.5
39	MP4B	Mx	-.017	.5
40	MP4B	X	-17.178	5.5
41	MP4B	Z	29.753	5.5
42	MP4B	Mx	-.017	5.5
43	MP4C	X	-11.203	.5
44	MP4C	Z	19.405	.5
45	MP4C	Mx	.006	.5
46	MP4C	X	-11.203	5.5
47	MP4C	Z	19.405	5.5
48	MP4C	Mx	.006	5.5
49	MP2A	X	-16.386	.5
50	MP2A	Z	28.381	.5
51	MP2A	Mx	.019	.5
52	MP2A	X	-16.386	5.5
53	MP2A	Z	28.381	5.5
54	MP2A	Mx	.019	5.5
55	MP2B	X	-11.303	.5
56	MP2B	Z	19.578	.5
57	MP2B	Mx	-.011	.5
58	MP2B	X	-11.303	5.5
59	MP2B	Z	19.578	5.5
60	MP2B	Mx	-.011	5.5
61	MP2C	X	-15.115	.5
62	MP2C	Z	26.18	.5
63	MP2C	Mx	-.008	.5
64	MP2C	X	-15.115	5.5
65	MP2C	Z	26.18	5.5
66	MP2C	Mx	-.008	5.5
67	MP2A	X	-16.386	.5
68	MP2A	Z	28.381	.5
69	MP2A	Mx	-.019	.5
70	MP2A	X	-16.386	5.5
71	MP2A	Z	28.381	5.5
72	MP2A	Mx	-.019	5.5
73	MP2B	X	-11.303	.5
74	MP2B	Z	19.578	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
75	MP2B	Mx	-.011	.5
76	MP2B	X	-11.303	5.5
77	MP2B	Z	19.578	5.5
78	MP2B	Mx	-.011	5.5
79	MP2C	X	-15.115	.5
80	MP2C	Z	26.18	.5
81	MP2C	Mx	.023	.5
82	MP2C	X	-15.115	5.5
83	MP2C	Z	26.18	5.5
84	MP2C	Mx	.023	5.5
85	MP3A	X	-9.624	2
86	MP3A	Z	16.669	2
87	MP3A	Mx	0	2
88	MP3A	X	-9.624	4
89	MP3A	Z	16.669	4
90	MP3A	Mx	0	4
91	MP3B	X	-4.101	2
92	MP3B	Z	7.103	2
93	MP3B	Mx	-.004	2
94	MP3B	X	-4.101	4
95	MP3B	Z	7.103	4
96	MP3B	Mx	-.004	4
97	MP3C	X	-8.243	2
98	MP3C	Z	14.277	2
99	MP3C	Mx	.004	2
100	MP3C	X	-8.243	4
101	MP3C	Z	14.277	4
102	MP3C	Mx	.004	4
103	MP3A	X	-8.113	1
104	MP3A	Z	14.052	1
105	MP3A	Mx	0	1
106	MP3B	X	-4.706	1
107	MP3B	Z	8.152	1
108	MP3B	Mx	.005	1
109	MP3C	X	-7.261	1
110	MP3C	Z	12.577	1
111	MP3C	Mx	-.004	1
112	MP2A	X	-8.113	1
113	MP2A	Z	14.052	1
114	MP2A	Mx	0	1
115	MP2B	X	-5.644	1
116	MP2B	Z	9.776	1
117	MP2B	Mx	.006	1
118	MP2C	X	-7.496	1
119	MP2C	Z	12.983	1
120	MP2C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-2.059	4.5
2	MP2A	Z	1.188	4.5
3	MP2A	Mx	-.000503	4.5
4	MP2A	X	-2.059	5.5
5	MP2A	Z	1.188	5.5
6	MP2A	Mx	-.000503	5.5
7	MP2A	X	-2.059	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2A	Z	1.188	4.5
9	MP2A	Mx	-.002	4.5
10	MP2A	X	-2.059	5.5
11	MP2A	Z	1.188	5.5
12	MP2A	Mx	-.002	5.5
13	MP1A	X	-19.405	.5
14	MP1A	Z	11.203	.5
15	MP1A	Mx	.006	.5
16	MP1A	X	-19.405	5.5
17	MP1A	Z	11.203	5.5
18	MP1A	Mx	.006	5.5
19	MP1B	X	-26.303	.5
20	MP1B	Z	15.186	.5
21	MP1B	Mx	-.013	.5
22	MP1B	X	-26.303	5.5
23	MP1B	Z	15.186	5.5
24	MP1B	Mx	-.013	5.5
25	MP1C	X	-15.956	.5
26	MP1C	Z	9.212	.5
27	MP1C	Mx	0	.5
28	MP1C	X	-15.956	5.5
29	MP1C	Z	9.212	5.5
30	MP1C	Mx	0	5.5
31	MP4A	X	-19.405	.5
32	MP4A	Z	11.203	.5
33	MP4A	Mx	.006	.5
34	MP4A	X	-19.405	5.5
35	MP4A	Z	11.203	5.5
36	MP4A	Mx	.006	5.5
37	MP4B	X	-26.303	.5
38	MP4B	Z	15.186	.5
39	MP4B	Mx	-.013	.5
40	MP4B	X	-26.303	5.5
41	MP4B	Z	15.186	5.5
42	MP4B	Mx	-.013	5.5
43	MP4C	X	-15.956	.5
44	MP4C	Z	9.212	.5
45	MP4C	Mx	0	.5
46	MP4C	X	-15.956	5.5
47	MP4C	Z	9.212	5.5
48	MP4C	Mx	0	5.5
49	MP2A	X	-26.18	.5
50	MP2A	Z	15.115	.5
51	MP2A	Mx	.023	.5
52	MP2A	X	-26.18	5.5
53	MP2A	Z	15.115	5.5
54	MP2A	Mx	.023	5.5
55	MP2B	X	-21.779	.5
56	MP2B	Z	12.574	.5
57	MP2B	Mx	-.004	.5
58	MP2B	X	-21.779	5.5
59	MP2B	Z	12.574	5.5
60	MP2B	Mx	-.004	5.5
61	MP2C	X	-28.381	.5
62	MP2C	Z	16.386	.5
63	MP2C	Mx	-.019	.5
64	MP2C	X	-28.381	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2C	Z	16.386	5.5
66	MP2C	Mx	-.019	5.5
67	MP2A	X	-26.18	.5
68	MP2A	Z	15.115	.5
69	MP2A	Mx	-.008	.5
70	MP2A	X	-26.18	5.5
71	MP2A	Z	15.115	5.5
72	MP2A	Mx	-.008	5.5
73	MP2B	X	-21.779	.5
74	MP2B	Z	12.574	.5
75	MP2B	Mx	-.018	.5
76	MP2B	X	-21.779	5.5
77	MP2B	Z	12.574	5.5
78	MP2B	Mx	-.018	5.5
79	MP2C	X	-28.381	.5
80	MP2C	Z	16.386	.5
81	MP2C	Mx	.019	.5
82	MP2C	X	-28.381	5.5
83	MP2C	Z	16.386	5.5
84	MP2C	Mx	.019	5.5
85	MP3A	X	-14.277	2
86	MP3A	Z	8.243	2
87	MP3A	Mx	.004	2
88	MP3A	X	-14.277	4
89	MP3A	Z	8.243	4
90	MP3A	Mx	.004	4
91	MP3B	X	-9.494	2
92	MP3B	Z	5.482	2
93	MP3B	Mx	-.005	2
94	MP3B	X	-9.494	4
95	MP3B	Z	5.482	4
96	MP3B	Mx	-.005	4
97	MP3C	X	-16.669	2
98	MP3C	Z	9.624	2
99	MP3C	Mx	0	2
100	MP3C	X	-16.669	4
101	MP3C	Z	9.624	4
102	MP3C	Mx	0	4
103	MP3A	X	-12.577	1
104	MP3A	Z	7.261	1
105	MP3A	Mx	-.004	1
106	MP3B	X	-9.627	1
107	MP3B	Z	5.558	1
108	MP3B	Mx	.005	1
109	MP3C	X	-14.052	1
110	MP3C	Z	8.113	1
111	MP3C	Mx	0	1
112	MP2A	X	-12.983	1
113	MP2A	Z	7.496	1
114	MP2A	Mx	-.004	1
115	MP2B	X	-10.845	1
116	MP2B	Z	6.262	1
117	MP2B	Mx	.005	1
118	MP2C	X	-14.052	1
119	MP2C	Z	8.113	1
120	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	-3.766	4.5
2	MP2A	Z	0	4.5
3	MP2A	Mx	-.003	4.5
4	MP2A	X	-3.766	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.003	5.5
7	MP2A	X	-3.766	4.5
8	MP2A	Z	0	4.5
9	MP2A	Mx	-.004	4.5
10	MP2A	X	-3.766	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.004	5.5
13	MP1A	X	-30.373	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	.013	.5
16	MP1A	X	-30.373	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	.013	5.5
19	MP1B	X	-22.407	.5
20	MP1B	Z	0	.5
21	MP1B	Mx	-.006	.5
22	MP1B	X	-22.407	5.5
23	MP1B	Z	0	5.5
24	MP1B	Mx	-.006	5.5
25	MP1C	X	-22.407	.5
26	MP1C	Z	0	.5
27	MP1C	Mx	-.006	.5
28	MP1C	X	-22.407	5.5
29	MP1C	Z	0	5.5
30	MP1C	Mx	-.006	5.5
31	MP4A	X	-30.373	.5
32	MP4A	Z	0	.5
33	MP4A	Mx	.013	.5
34	MP4A	X	-30.373	5.5
35	MP4A	Z	0	5.5
36	MP4A	Mx	.013	5.5
37	MP4B	X	-22.407	.5
38	MP4B	Z	0	.5
39	MP4B	Mx	-.006	.5
40	MP4B	X	-22.407	5.5
41	MP4B	Z	0	5.5
42	MP4B	Mx	-.006	5.5
43	MP4C	X	-22.407	.5
44	MP4C	Z	0	.5
45	MP4C	Mx	-.006	.5
46	MP4C	X	-22.407	5.5
47	MP4C	Z	0	5.5
48	MP4C	Mx	-.006	5.5
49	MP2A	X	-25.148	.5
50	MP2A	Z	0	.5
51	MP2A	Mx	.018	.5
52	MP2A	X	-25.148	5.5
53	MP2A	Z	0	5.5
54	MP2A	Mx	.018	5.5
55	MP2B	X	-30.231	.5
56	MP2B	Z	0	.5
57	MP2B	Mx	.008	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-30.231	5.5
59	MP2B	Z	0	5.5
60	MP2B	Mx	.008	5.5
61	MP2C	X	-30.231	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	-.023	.5
64	MP2C	X	-30.231	5.5
65	MP2C	Z	0	5.5
66	MP2C	Mx	-.023	5.5
67	MP2A	X	-25.148	.5
68	MP2A	Z	0	.5
69	MP2A	Mx	.004	.5
70	MP2A	X	-25.148	5.5
71	MP2A	Z	0	5.5
72	MP2A	Mx	.004	5.5
73	MP2B	X	-30.231	.5
74	MP2B	Z	0	.5
75	MP2B	Mx	-.023	.5
76	MP2B	X	-30.231	5.5
77	MP2B	Z	0	5.5
78	MP2B	Mx	-.023	5.5
79	MP2C	X	-30.231	.5
80	MP2C	Z	0	.5
81	MP2C	Mx	.008	.5
82	MP2C	X	-30.231	5.5
83	MP2C	Z	0	5.5
84	MP2C	Mx	.008	5.5
85	MP3A	X	-10.963	2
86	MP3A	Z	0	2
87	MP3A	Mx	.005	2
88	MP3A	X	-10.963	4
89	MP3A	Z	0	4
90	MP3A	Mx	.005	4
91	MP3B	X	-16.486	2
92	MP3B	Z	0	2
93	MP3B	Mx	-.004	2
94	MP3B	X	-16.486	4
95	MP3B	Z	0	4
96	MP3B	Mx	-.004	4
97	MP3C	X	-16.486	2
98	MP3C	Z	0	2
99	MP3C	Mx	-.004	2
100	MP3C	X	-16.486	4
101	MP3C	Z	0	4
102	MP3C	Mx	-.004	4
103	MP3A	X	-11.116	1
104	MP3A	Z	0	1
105	MP3A	Mx	-.005	1
106	MP3B	X	-14.523	1
107	MP3B	Z	0	1
108	MP3B	Mx	.004	1
109	MP3C	X	-14.523	1
110	MP3C	Z	0	1
111	MP3C	Mx	.004	1
112	MP2A	X	-12.523	1
113	MP2A	Z	0	1
114	MP2A	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
115	MP2B	X	-14.992	1
116	MP2B	Z	0	1
117	MP2B	Mx	.004	1
118	MP2C	X	-14.992	1
119	MP2C	Z	0	1
120	MP2C	Mx	.004	1

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

	Member Label	Direction	Magnitude[<u>lb,k-ft</u>]	Location[<u>ft, %</u>]
1	MP2A	X	-3.863	4.5
2	MP2A	Z	-2.231	4.5
3	MP2A	Mx	-.004	4.5
4	MP2A	X	-3.863	5.5
5	MP2A	Z	-2.231	5.5
6	MP2A	Mx	-.004	5.5
7	MP2A	X	-3.863	4.5
8	MP2A	Z	-2.231	4.5
9	MP2A	Mx	-.004	4.5
10	MP2A	X	-3.863	5.5
11	MP2A	Z	-2.231	5.5
12	MP2A	Mx	-.004	5.5
13	MP1A	X	-29.753	.5
14	MP1A	Z	-17.178	.5
15	MP1A	Mx	.017	.5
16	MP1A	X	-29.753	5.5
17	MP1A	Z	-17.178	5.5
18	MP1A	Mx	.017	5.5
19	MP1B	X	-15.956	.5
20	MP1B	Z	-9.212	.5
21	MP1B	Mx	0	.5
22	MP1B	X	-15.956	5.5
23	MP1B	Z	-9.212	5.5
24	MP1B	Mx	0	5.5
25	MP1C	X	-26.303	.5
26	MP1C	Z	-15.186	.5
27	MP1C	Mx	-.013	.5
28	MP1C	X	-26.303	5.5
29	MP1C	Z	-15.186	5.5
30	MP1C	Mx	-.013	5.5
31	MP4A	X	-29.753	.5
32	MP4A	Z	-17.178	.5
33	MP4A	Mx	.017	.5
34	MP4A	X	-29.753	5.5
35	MP4A	Z	-17.178	5.5
36	MP4A	Mx	.017	5.5
37	MP4B	X	-15.956	.5
38	MP4B	Z	-9.212	.5
39	MP4B	Mx	0	.5
40	MP4B	X	-15.956	5.5
41	MP4B	Z	-9.212	5.5
42	MP4B	Mx	0	5.5
43	MP4C	X	-26.303	.5
44	MP4C	Z	-15.186	.5
45	MP4C	Mx	-.013	.5
46	MP4C	X	-26.303	5.5
47	MP4C	Z	-15.186	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP4C	Mx	-.013	5.5
49	MP2A	X	-19.578	.5
50	MP2A	Z	-11.303	.5
51	MP2A	Mx	.011	.5
52	MP2A	X	-19.578	5.5
53	MP2A	Z	-11.303	5.5
54	MP2A	Mx	.011	5.5
55	MP2B	X	-28.381	.5
56	MP2B	Z	-16.386	.5
57	MP2B	Mx	.019	.5
58	MP2B	X	-28.381	5.5
59	MP2B	Z	-16.386	5.5
60	MP2B	Mx	.019	5.5
61	MP2C	X	-21.779	.5
62	MP2C	Z	-12.574	.5
63	MP2C	Mx	-.018	.5
64	MP2C	X	-21.779	5.5
65	MP2C	Z	-12.574	5.5
66	MP2C	Mx	-.018	5.5
67	MP2A	X	-19.578	.5
68	MP2A	Z	-11.303	.5
69	MP2A	Mx	.011	.5
70	MP2A	X	-19.578	5.5
71	MP2A	Z	-11.303	5.5
72	MP2A	Mx	.011	5.5
73	MP2B	X	-28.381	.5
74	MP2B	Z	-16.386	.5
75	MP2B	Mx	-.019	.5
76	MP2B	X	-28.381	5.5
77	MP2B	Z	-16.386	5.5
78	MP2B	Mx	-.019	5.5
79	MP2C	X	-21.779	.5
80	MP2C	Z	-12.574	.5
81	MP2C	Mx	-.004	.5
82	MP2C	X	-21.779	5.5
83	MP2C	Z	-12.574	5.5
84	MP2C	Mx	-.004	5.5
85	MP3A	X	-7.103	2
86	MP3A	Z	-4.101	2
87	MP3A	Mx	.004	2
88	MP3A	X	-7.103	4
89	MP3A	Z	-4.101	4
90	MP3A	Mx	.004	4
91	MP3B	X	-16.669	2
92	MP3B	Z	-9.624	2
93	MP3B	Mx	0	2
94	MP3B	X	-16.669	4
95	MP3B	Z	-9.624	4
96	MP3B	Mx	0	4
97	MP3C	X	-9.494	2
98	MP3C	Z	-5.482	2
99	MP3C	Mx	-.005	2
100	MP3C	X	-9.494	4
101	MP3C	Z	-5.482	4
102	MP3C	Mx	-.005	4
103	MP3A	X	-8.152	1
104	MP3A	Z	-4.706	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP3A	Mx	-.005	1
106	MP3B	X	-14.052	1
107	MP3B	Z	-8.113	1
108	MP3B	Mx	0	1
109	MP3C	X	-9.627	1
110	MP3C	Z	-5.558	1
111	MP3C	Mx	.005	1
112	MP2A	X	-9.776	1
113	MP2A	Z	-5.644	1
114	MP2A	Mx	-.006	1
115	MP2B	X	-14.052	1
116	MP2B	Z	-8.113	1
117	MP2B	Mx	0	1
118	MP2C	X	-10.845	1
119	MP2C	Z	-6.262	1
120	MP2C	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.883	4.5
2	MP2A	Z	-3.262	4.5
3	MP2A	Mx	-.004	4.5
4	MP2A	X	-1.883	5.5
5	MP2A	Z	-3.262	5.5
6	MP2A	Mx	-.004	5.5
7	MP2A	X	-1.883	4.5
8	MP2A	Z	-3.262	4.5
9	MP2A	Mx	-.003	4.5
10	MP2A	X	-1.883	5.5
11	MP2A	Z	-3.262	5.5
12	MP2A	Mx	-.003	5.5
13	MP1A	X	-15.186	.5
14	MP1A	Z	-26.303	.5
15	MP1A	Mx	.013	.5
16	MP1A	X	-15.186	5.5
17	MP1A	Z	-26.303	5.5
18	MP1A	Mx	.013	5.5
19	MP1B	X	-11.203	.5
20	MP1B	Z	-19.405	.5
21	MP1B	Mx	.006	.5
22	MP1B	X	-11.203	5.5
23	MP1B	Z	-19.405	5.5
24	MP1B	Mx	.006	5.5
25	MP1C	X	-17.178	.5
26	MP1C	Z	-29.753	.5
27	MP1C	Mx	-.017	.5
28	MP1C	X	-17.178	5.5
29	MP1C	Z	-29.753	5.5
30	MP1C	Mx	-.017	5.5
31	MP4A	X	-15.186	.5
32	MP4A	Z	-26.303	.5
33	MP4A	Mx	.013	.5
34	MP4A	X	-15.186	5.5
35	MP4A	Z	-26.303	5.5
36	MP4A	Mx	.013	5.5
37	MP4B	X	-11.203	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP4B	Z	-19.405	.5
39	MP4B	Mx	.006	.5
40	MP4B	X	-11.203	5.5
41	MP4B	Z	-19.405	5.5
42	MP4B	Mx	.006	5.5
43	MP4C	X	-17.178	.5
44	MP4C	Z	-29.753	.5
45	MP4C	Mx	-.017	.5
46	MP4C	X	-17.178	5.5
47	MP4C	Z	-29.753	5.5
48	MP4C	Mx	-.017	5.5
49	MP2A	X	-12.574	.5
50	MP2A	Z	-21.779	.5
51	MP2A	Mx	.004	.5
52	MP2A	X	-12.574	5.5
53	MP2A	Z	-21.779	5.5
54	MP2A	Mx	.004	5.5
55	MP2B	X	-15.115	.5
56	MP2B	Z	-26.18	.5
57	MP2B	Mx	.023	.5
58	MP2B	X	-15.115	5.5
59	MP2B	Z	-26.18	5.5
60	MP2B	Mx	.023	5.5
61	MP2C	X	-11.303	.5
62	MP2C	Z	-19.578	.5
63	MP2C	Mx	-.011	.5
64	MP2C	X	-11.303	5.5
65	MP2C	Z	-19.578	5.5
66	MP2C	Mx	-.011	5.5
67	MP2A	X	-12.574	.5
68	MP2A	Z	-21.779	.5
69	MP2A	Mx	.018	.5
70	MP2A	X	-12.574	5.5
71	MP2A	Z	-21.779	5.5
72	MP2A	Mx	.018	5.5
73	MP2B	X	-15.115	.5
74	MP2B	Z	-26.18	.5
75	MP2B	Mx	-.008	.5
76	MP2B	X	-15.115	5.5
77	MP2B	Z	-26.18	5.5
78	MP2B	Mx	-.008	5.5
79	MP2C	X	-11.303	.5
80	MP2C	Z	-19.578	.5
81	MP2C	Mx	-.011	.5
82	MP2C	X	-11.303	5.5
83	MP2C	Z	-19.578	5.5
84	MP2C	Mx	-.011	5.5
85	MP3A	X	-5.482	2
86	MP3A	Z	-9.494	2
87	MP3A	Mx	.005	2
88	MP3A	X	-5.482	4
89	MP3A	Z	-9.494	4
90	MP3A	Mx	.005	4
91	MP3B	X	-8.243	2
92	MP3B	Z	-14.277	2
93	MP3B	Mx	.004	2
94	MP3B	X	-8.243	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
95	MP3B	Z	-14.277	4
96	MP3B	Mx	.004	4
97	MP3C	X	-4.101	2
98	MP3C	Z	-7.103	2
99	MP3C	Mx	-.004	2
100	MP3C	X	-4.101	4
101	MP3C	Z	-7.103	4
102	MP3C	Mx	-.004	4
103	MP3A	X	-5.558	1
104	MP3A	Z	-9.627	1
105	MP3A	Mx	-.005	1
106	MP3B	X	-7.261	1
107	MP3B	Z	-12.577	1
108	MP3B	Mx	-.004	1
109	MP3C	X	-4.706	1
110	MP3C	Z	-8.152	1
111	MP3C	Mx	.005	1
112	MP2A	X	-6.262	1
113	MP2A	Z	-10.845	1
114	MP2A	Mx	-.005	1
115	MP2B	X	-7.496	1
116	MP2B	Z	-12.983	1
117	MP2B	Mx	-.004	1
118	MP2C	X	-5.644	1
119	MP2C	Z	-9.776	1
120	MP2C	Mx	.006	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	0	4.5
2	MP2A	Z	-1.253	4.5
3	MP2A	Mx	-.000988	4.5
4	MP2A	X	0	5.5
5	MP2A	Z	-1.253	5.5
6	MP2A	Mx	-.000988	5.5
7	MP2A	X	0	4.5
8	MP2A	Z	-1.253	4.5
9	MP2A	Mx	-.000265	4.5
10	MP2A	X	0	5.5
11	MP2A	Z	-1.253	5.5
12	MP2A	Mx	-.000265	5.5
13	MP1A	X	0	.5
14	MP1A	Z	-7.049	.5
15	MP1A	Mx	.002	.5
16	MP1A	X	0	5.5
17	MP1A	Z	-7.049	5.5
18	MP1A	Mx	.002	5.5
19	MP1B	X	0	.5
20	MP1B	Z	-9.853	.5
21	MP1B	Mx	.004	.5
22	MP1B	X	0	5.5
23	MP1B	Z	-9.853	5.5
24	MP1B	Mx	.004	5.5
25	MP1C	X	0	.5
26	MP1C	Z	-9.853	.5
27	MP1C	Mx	-.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1C	X	0	5.5
29	MP1C	Z	-9.853	5.5
30	MP1C	Mx	-.004	5.5
31	MP4A	X	0	.5
32	MP4A	Z	-7.049	.5
33	MP4A	Mx	.002	.5
34	MP4A	X	0	5.5
35	MP4A	Z	-7.049	5.5
36	MP4A	Mx	.002	5.5
37	MP4B	X	0	.5
38	MP4B	Z	-9.853	.5
39	MP4B	Mx	.004	.5
40	MP4B	X	0	5.5
41	MP4B	Z	-9.853	5.5
42	MP4B	Mx	.004	5.5
43	MP4C	X	0	.5
44	MP4C	Z	-9.853	.5
45	MP4C	Mx	-.004	.5
46	MP4C	X	0	5.5
47	MP4C	Z	-9.853	5.5
48	MP4C	Mx	-.004	5.5
49	MP2A	X	0	.5
50	MP2A	Z	-6.163	.5
51	MP2A	Mx	-.002	.5
52	MP2A	X	0	5.5
53	MP2A	Z	-6.163	5.5
54	MP2A	Mx	-.002	5.5
55	MP2B	X	0	.5
56	MP2B	Z	-4.115	.5
57	MP2B	Mx	.003	.5
58	MP2B	X	0	5.5
59	MP2B	Z	-4.115	5.5
60	MP2B	Mx	.003	5.5
61	MP2C	X	0	.5
62	MP2C	Z	-4.115	.5
63	MP2C	Mx	-.000582	.5
64	MP2C	X	0	5.5
65	MP2C	Z	-4.115	5.5
66	MP2C	Mx	-.000582	5.5
67	MP2A	X	0	.5
68	MP2A	Z	-6.163	.5
69	MP2A	Mx	.005	.5
70	MP2A	X	0	5.5
71	MP2A	Z	-6.163	5.5
72	MP2A	Mx	.005	5.5
73	MP2B	X	0	.5
74	MP2B	Z	-4.115	.5
75	MP2B	Mx	.000582	.5
76	MP2B	X	0	5.5
77	MP2B	Z	-4.115	5.5
78	MP2B	Mx	.000582	5.5
79	MP2C	X	0	.5
80	MP2C	Z	-4.115	.5
81	MP2C	Mx	-.003	.5
82	MP2C	X	0	5.5
83	MP2C	Z	-4.115	5.5
84	MP2C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
85	MP3A	X	0	2
86	MP3A	Z	-4.275	2
87	MP3A	Mx	.001	2
88	MP3A	X	0	4
89	MP3A	Z	-4.275	4
90	MP3A	Mx	.001	4
91	MP3B	X	0	2
92	MP3B	Z	-2.599	2
93	MP3B	Mx	.001	2
94	MP3B	X	0	4
95	MP3B	Z	-2.599	4
96	MP3B	Mx	.001	4
97	MP3C	X	0	2
98	MP3C	Z	-2.599	2
99	MP3C	Mx	-.001	2
100	MP3C	X	0	4
101	MP3C	Z	-2.599	4
102	MP3C	Mx	-.001	4
103	MP3A	X	0	1
104	MP3A	Z	-3.587	1
105	MP3A	Mx	-.000897	1
106	MP3B	X	0	1
107	MP3B	Z	-2.674	1
108	MP3B	Mx	-.001	1
109	MP3C	X	0	1
110	MP3C	Z	-2.674	1
111	MP3C	Mx	.001	1
112	MP2A	X	0	1
113	MP2A	Z	-3.711	1
114	MP2A	Mx	-.000928	1
115	MP2B	X	0	1
116	MP2B	Z	-3.046	1
117	MP2B	Mx	-.001	1
118	MP2C	X	0	1
119	MP2C	Z	-3.046	1
120	MP2C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	.626	4.5
2	MP2A	Z	-1.084	4.5
3	MP2A	Mx	-.000417	4.5
4	MP2A	X	.626	5.5
5	MP2A	Z	-1.084	5.5
6	MP2A	Mx	-.000417	5.5
7	MP2A	X	.626	4.5
8	MP2A	Z	-1.084	4.5
9	MP2A	Mx	.000417	4.5
10	MP2A	X	.626	5.5
11	MP2A	Z	-1.084	5.5
12	MP2A	Mx	.000417	5.5
13	MP1A	X	2.824	.5
14	MP1A	Z	-4.891	.5
15	MP1A	Mx	0	.5
16	MP1A	X	2.824	5.5
17	MP1A	Z	-4.891	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP1A	Mx	0	5.5
19	MP1B	X	5.627	.5
20	MP1B	Z	-9.746	.5
21	MP1B	Mx	.006	.5
22	MP1B	X	5.627	5.5
23	MP1B	Z	-9.746	5.5
24	MP1B	Mx	.006	5.5
25	MP1C	X	3.525	.5
26	MP1C	Z	-6.105	.5
27	MP1C	Mx	-.002	.5
28	MP1C	X	3.525	5.5
29	MP1C	Z	-6.105	5.5
30	MP1C	Mx	-.002	5.5
31	MP4A	X	2.824	.5
32	MP4A	Z	-4.891	.5
33	MP4A	Mx	0	.5
34	MP4A	X	2.824	5.5
35	MP4A	Z	-4.891	5.5
36	MP4A	Mx	0	5.5
37	MP4B	X	5.627	.5
38	MP4B	Z	-9.746	.5
39	MP4B	Mx	.006	.5
40	MP4B	X	5.627	5.5
41	MP4B	Z	-9.746	5.5
42	MP4B	Mx	.006	5.5
43	MP4C	X	3.525	.5
44	MP4C	Z	-6.105	.5
45	MP4C	Mx	-.002	.5
46	MP4C	X	3.525	5.5
47	MP4C	Z	-6.105	5.5
48	MP4C	Mx	-.002	5.5
49	MP2A	X	3.593	.5
50	MP2A	Z	-6.224	.5
51	MP2A	Mx	-.004	.5
52	MP2A	X	3.593	5.5
53	MP2A	Z	-6.224	5.5
54	MP2A	Mx	-.004	5.5
55	MP2B	X	1.546	.5
56	MP2B	Z	-2.677	.5
57	MP2B	Mx	.002	.5
58	MP2B	X	1.546	5.5
59	MP2B	Z	-2.677	5.5
60	MP2B	Mx	.002	5.5
61	MP2C	X	3.081	.5
62	MP2C	Z	-5.337	.5
63	MP2C	Mx	.002	.5
64	MP2C	X	3.081	5.5
65	MP2C	Z	-5.337	5.5
66	MP2C	Mx	.002	5.5
67	MP2A	X	3.593	.5
68	MP2A	Z	-6.224	.5
69	MP2A	Mx	.004	.5
70	MP2A	X	3.593	5.5
71	MP2A	Z	-6.224	5.5
72	MP2A	Mx	.004	5.5
73	MP2B	X	1.546	.5
74	MP2B	Z	-2.677	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2B	Mx	.002	.5
76	MP2B	X	1.546	5.5
77	MP2B	Z	-2.677	5.5
78	MP2B	Mx	.002	5.5
79	MP2C	X	3.081	.5
80	MP2C	Z	-5.337	.5
81	MP2C	Mx	-.005	.5
82	MP2C	X	3.081	5.5
83	MP2C	Z	-5.337	5.5
84	MP2C	Mx	-.005	5.5
85	MP3A	X	2.557	2
86	MP3A	Z	-4.428	2
87	MP3A	Mx	0	2
88	MP3A	X	2.557	4
89	MP3A	Z	-4.428	4
90	MP3A	Mx	0	4
91	MP3B	X	.88	2
92	MP3B	Z	-1.525	2
93	MP3B	Mx	.00088	2
94	MP3B	X	.88	4
95	MP3B	Z	-1.525	4
96	MP3B	Mx	.00088	4
97	MP3C	X	2.137	2
98	MP3C	Z	-3.702	2
99	MP3C	Mx	-.001	2
100	MP3C	X	2.137	4
101	MP3C	Z	-3.702	4
102	MP3C	Mx	-.001	4
103	MP3A	X	2.022	1
104	MP3A	Z	-3.502	1
105	MP3A	Mx	0	1
106	MP3B	X	1.109	1
107	MP3B	Z	-1.92	1
108	MP3B	Mx	-.001	1
109	MP3C	X	1.793	1
110	MP3C	Z	-3.106	1
111	MP3C	Mx	.000897	1
112	MP2A	X	2.022	1
113	MP2A	Z	-3.502	1
114	MP2A	Mx	0	1
115	MP2B	X	1.357	1
116	MP2B	Z	-2.35	1
117	MP2B	Mx	-.001	1
118	MP2C	X	1.855	1
119	MP2C	Z	-3.214	1
120	MP2C	Mx	.000928	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.085	4.5
2	MP2A	Z	-.627	4.5
3	MP2A	Mx	.000264	4.5
4	MP2A	X	1.085	5.5
5	MP2A	Z	-.627	5.5
6	MP2A	Mx	.000264	5.5
7	MP2A	X	1.085	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2A	Z	- .627	4.5
9	MP2A	Mx	.000988	4.5
10	MP2A	X	1.085	5.5
11	MP2A	Z	- .627	5.5
12	MP2A	Mx	.000988	5.5
13	MP1A	X	6.105	.5
14	MP1A	Z	-3.525	.5
15	MP1A	Mx	-.002	.5
16	MP1A	X	6.105	5.5
17	MP1A	Z	-3.525	5.5
18	MP1A	Mx	-.002	5.5
19	MP1B	X	8.533	.5
20	MP1B	Z	-4.926	.5
21	MP1B	Mx	.004	.5
22	MP1B	X	8.533	5.5
23	MP1B	Z	-4.926	5.5
24	MP1B	Mx	.004	5.5
25	MP1C	X	4.891	.5
26	MP1C	Z	-2.824	.5
27	MP1C	Mx	0	.5
28	MP1C	X	4.891	5.5
29	MP1C	Z	-2.824	5.5
30	MP1C	Mx	0	5.5
31	MP4A	X	6.105	.5
32	MP4A	Z	-3.525	.5
33	MP4A	Mx	-.002	.5
34	MP4A	X	6.105	5.5
35	MP4A	Z	-3.525	5.5
36	MP4A	Mx	-.002	5.5
37	MP4B	X	8.533	.5
38	MP4B	Z	-4.926	.5
39	MP4B	Mx	.004	.5
40	MP4B	X	8.533	5.5
41	MP4B	Z	-4.926	5.5
42	MP4B	Mx	.004	5.5
43	MP4C	X	4.891	.5
44	MP4C	Z	-2.824	.5
45	MP4C	Mx	0	.5
46	MP4C	X	4.891	5.5
47	MP4C	Z	-2.824	5.5
48	MP4C	Mx	0	5.5
49	MP2A	X	5.337	.5
50	MP2A	Z	-3.081	.5
51	MP2A	Mx	-.005	.5
52	MP2A	X	5.337	5.5
53	MP2A	Z	-3.081	5.5
54	MP2A	Mx	-.005	5.5
55	MP2B	X	3.564	.5
56	MP2B	Z	-2.058	.5
57	MP2B	Mx	.000582	.5
58	MP2B	X	3.564	5.5
59	MP2B	Z	-2.058	5.5
60	MP2B	Mx	.000582	5.5
61	MP2C	X	6.224	.5
62	MP2C	Z	-3.593	.5
63	MP2C	Mx	.004	.5
64	MP2C	X	6.224	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2C	Z	-3.593	5.5
66	MP2C	Mx	.004	5.5
67	MP2A	X	5.337	.5
68	MP2A	Z	-3.081	.5
69	MP2A	Mx	.002	.5
70	MP2A	X	5.337	5.5
71	MP2A	Z	-3.081	5.5
72	MP2A	Mx	.002	5.5
73	MP2B	X	3.564	.5
74	MP2B	Z	-2.058	.5
75	MP2B	Mx	.003	.5
76	MP2B	X	3.564	5.5
77	MP2B	Z	-2.058	5.5
78	MP2B	Mx	.003	5.5
79	MP2C	X	6.224	.5
80	MP2C	Z	-3.593	.5
81	MP2C	Mx	-.004	.5
82	MP2C	X	6.224	5.5
83	MP2C	Z	-3.593	5.5
84	MP2C	Mx	-.004	5.5
85	MP3A	X	3.702	2
86	MP3A	Z	-2.137	2
87	MP3A	Mx	-.001	2
88	MP3A	X	3.702	4
89	MP3A	Z	-2.137	4
90	MP3A	Mx	-.001	4
91	MP3B	X	2.251	2
92	MP3B	Z	-1.299	2
93	MP3B	Mx	.001	2
94	MP3B	X	2.251	4
95	MP3B	Z	-1.299	4
96	MP3B	Mx	.001	4
97	MP3C	X	4.428	2
98	MP3C	Z	-2.557	2
99	MP3C	Mx	0	2
100	MP3C	X	4.428	4
101	MP3C	Z	-2.557	4
102	MP3C	Mx	0	4
103	MP3A	X	3.106	1
104	MP3A	Z	-1.793	1
105	MP3A	Mx	.000897	1
106	MP3B	X	2.316	1
107	MP3B	Z	-1.337	1
108	MP3B	Mx	-.001	1
109	MP3C	X	3.502	1
110	MP3C	Z	-2.022	1
111	MP3C	Mx	0	1
112	MP2A	X	3.214	1
113	MP2A	Z	-1.855	1
114	MP2A	Mx	.000928	1
115	MP2B	X	2.638	1
116	MP2B	Z	-1.523	1
117	MP2B	Mx	-.001	1
118	MP2C	X	3.502	1
119	MP2C	Z	-2.022	1
120	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	1.255	4.5
2	MP2A	Z	0	4.5
3	MP2A	Mx	.000878	4.5
4	MP2A	X	1.255	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.000878	5.5
7	MP2A	X	1.255	4.5
8	MP2A	Z	0	4.5
9	MP2A	Mx	.001	4.5
10	MP2A	X	1.255	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.001	5.5
13	MP1A	X	9.853	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	-.004	.5
16	MP1A	X	9.853	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	-.004	5.5
19	MP1B	X	7.049	.5
20	MP1B	Z	0	.5
21	MP1B	Mx	.002	.5
22	MP1B	X	7.049	5.5
23	MP1B	Z	0	5.5
24	MP1B	Mx	.002	5.5
25	MP1C	X	7.049	.5
26	MP1C	Z	0	.5
27	MP1C	Mx	.002	.5
28	MP1C	X	7.049	5.5
29	MP1C	Z	0	5.5
30	MP1C	Mx	.002	5.5
31	MP4A	X	9.853	.5
32	MP4A	Z	0	.5
33	MP4A	Mx	-.004	.5
34	MP4A	X	9.853	5.5
35	MP4A	Z	0	5.5
36	MP4A	Mx	-.004	5.5
37	MP4B	X	7.049	.5
38	MP4B	Z	0	.5
39	MP4B	Mx	.002	.5
40	MP4B	X	7.049	5.5
41	MP4B	Z	0	5.5
42	MP4B	Mx	.002	5.5
43	MP4C	X	7.049	.5
44	MP4C	Z	0	.5
45	MP4C	Mx	.002	.5
46	MP4C	X	7.049	5.5
47	MP4C	Z	0	5.5
48	MP4C	Mx	.002	5.5
49	MP2A	X	4.115	.5
50	MP2A	Z	0	.5
51	MP2A	Mx	-.003	.5
52	MP2A	X	4.115	5.5
53	MP2A	Z	0	5.5
54	MP2A	Mx	-.003	5.5
55	MP2B	X	6.163	.5
56	MP2B	Z	0	.5
57	MP2B	Mx	-.002	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	6.163	5.5
59	MP2B	Z	0	5.5
60	MP2B	Mx	-.002	5.5
61	MP2C	X	6.163	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.005	.5
64	MP2C	X	6.163	5.5
65	MP2C	Z	0	5.5
66	MP2C	Mx	.005	5.5
67	MP2A	X	4.115	.5
68	MP2A	Z	0	.5
69	MP2A	Mx	-.000582	.5
70	MP2A	X	4.115	5.5
71	MP2A	Z	0	5.5
72	MP2A	Mx	-.000582	5.5
73	MP2B	X	6.163	.5
74	MP2B	Z	0	.5
75	MP2B	Mx	.005	.5
76	MP2B	X	6.163	5.5
77	MP2B	Z	0	5.5
78	MP2B	Mx	.005	5.5
79	MP2C	X	6.163	.5
80	MP2C	Z	0	.5
81	MP2C	Mx	-.002	.5
82	MP2C	X	6.163	5.5
83	MP2C	Z	0	5.5
84	MP2C	Mx	-.002	5.5
85	MP3A	X	2.599	2
86	MP3A	Z	0	2
87	MP3A	Mx	-.001	2
88	MP3A	X	2.599	4
89	MP3A	Z	0	4
90	MP3A	Mx	-.001	4
91	MP3B	X	4.275	2
92	MP3B	Z	0	2
93	MP3B	Mx	.001	2
94	MP3B	X	4.275	4
95	MP3B	Z	0	4
96	MP3B	Mx	.001	4
97	MP3C	X	4.275	2
98	MP3C	Z	0	2
99	MP3C	Mx	.001	2
100	MP3C	X	4.275	4
101	MP3C	Z	0	4
102	MP3C	Mx	.001	4
103	MP3A	X	2.674	1
104	MP3A	Z	0	1
105	MP3A	Mx	.001	1
106	MP3B	X	3.587	1
107	MP3B	Z	0	1
108	MP3B	Mx	-.000897	1
109	MP3C	X	3.587	1
110	MP3C	Z	0	1
111	MP3C	Mx	-.000897	1
112	MP2A	X	3.046	1
113	MP2A	Z	0	1
114	MP2A	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
115	MP2B	X	3.711	1
116	MP2B	Z	0	1
117	MP2B	Mx	-.000928	1
118	MP2C	X	3.711	1
119	MP2C	Z	0	1
120	MP2C	Mx	-.000928	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	1.088	4.5
2	MP2A	Z	.628	4.5
3	MP2A	Mx	.001	4.5
4	MP2A	X	1.088	5.5
5	MP2A	Z	.628	5.5
6	MP2A	Mx	.001	5.5
7	MP2A	X	1.088	4.5
8	MP2A	Z	.628	4.5
9	MP2A	Mx	.001	4.5
10	MP2A	X	1.088	5.5
11	MP2A	Z	.628	5.5
12	MP2A	Mx	.001	5.5
13	MP1A	X	9.746	.5
14	MP1A	Z	5.627	.5
15	MP1A	Mx	-.006	.5
16	MP1A	X	9.746	5.5
17	MP1A	Z	5.627	5.5
18	MP1A	Mx	-.006	5.5
19	MP1B	X	4.891	.5
20	MP1B	Z	2.824	.5
21	MP1B	Mx	0	.5
22	MP1B	X	4.891	5.5
23	MP1B	Z	2.824	5.5
24	MP1B	Mx	0	5.5
25	MP1C	X	8.533	.5
26	MP1C	Z	4.926	.5
27	MP1C	Mx	.004	.5
28	MP1C	X	8.533	5.5
29	MP1C	Z	4.926	5.5
30	MP1C	Mx	.004	5.5
31	MP4A	X	9.746	.5
32	MP4A	Z	5.627	.5
33	MP4A	Mx	-.006	.5
34	MP4A	X	9.746	5.5
35	MP4A	Z	5.627	5.5
36	MP4A	Mx	-.006	5.5
37	MP4B	X	4.891	.5
38	MP4B	Z	2.824	.5
39	MP4B	Mx	0	.5
40	MP4B	X	4.891	5.5
41	MP4B	Z	2.824	5.5
42	MP4B	Mx	0	5.5
43	MP4C	X	8.533	.5
44	MP4C	Z	4.926	.5
45	MP4C	Mx	.004	.5
46	MP4C	X	8.533	5.5
47	MP4C	Z	4.926	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP4C	Mx	.004	5.5
49	MP2A	X	2.677	.5
50	MP2A	Z	1.546	.5
51	MP2A	Mx	-.002	.5
52	MP2A	X	2.677	5.5
53	MP2A	Z	1.546	5.5
54	MP2A	Mx	-.002	5.5
55	MP2B	X	6.224	.5
56	MP2B	Z	3.593	.5
57	MP2B	Mx	-.004	.5
58	MP2B	X	6.224	5.5
59	MP2B	Z	3.593	5.5
60	MP2B	Mx	-.004	5.5
61	MP2C	X	3.564	.5
62	MP2C	Z	2.058	.5
63	MP2C	Mx	.003	.5
64	MP2C	X	3.564	5.5
65	MP2C	Z	2.058	5.5
66	MP2C	Mx	.003	5.5
67	MP2A	X	2.677	.5
68	MP2A	Z	1.546	.5
69	MP2A	Mx	-.002	.5
70	MP2A	X	2.677	5.5
71	MP2A	Z	1.546	5.5
72	MP2A	Mx	-.002	5.5
73	MP2B	X	6.224	.5
74	MP2B	Z	3.593	.5
75	MP2B	Mx	.004	.5
76	MP2B	X	6.224	5.5
77	MP2B	Z	3.593	5.5
78	MP2B	Mx	.004	5.5
79	MP2C	X	3.564	.5
80	MP2C	Z	2.058	.5
81	MP2C	Mx	.000582	.5
82	MP2C	X	3.564	5.5
83	MP2C	Z	2.058	5.5
84	MP2C	Mx	.000582	5.5
85	MP3A	X	1.525	2
86	MP3A	Z	.88	2
87	MP3A	Mx	-.00088	2
88	MP3A	X	1.525	4
89	MP3A	Z	.88	4
90	MP3A	Mx	-.00088	4
91	MP3B	X	4.428	2
92	MP3B	Z	2.557	2
93	MP3B	Mx	0	2
94	MP3B	X	4.428	4
95	MP3B	Z	2.557	4
96	MP3B	Mx	0	4
97	MP3C	X	2.251	2
98	MP3C	Z	1.299	2
99	MP3C	Mx	.001	2
100	MP3C	X	2.251	4
101	MP3C	Z	1.299	4
102	MP3C	Mx	.001	4
103	MP3A	X	1.92	1
104	MP3A	Z	1.109	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
105	MP3A	Mx	.001	1
106	MP3B	X	3.502	1
107	MP3B	Z	2.022	1
108	MP3B	Mx	0	1
109	MP3C	X	2.316	1
110	MP3C	Z	1.337	1
111	MP3C	Mx	-.001	1
112	MP2A	X	2.35	1
113	MP2A	Z	1.357	1
114	MP2A	Mx	.001	1
115	MP2B	X	3.502	1
116	MP2B	Z	2.022	1
117	MP2B	Mx	0	1
118	MP2C	X	2.638	1
119	MP2C	Z	1.523	1
120	MP2C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	.627	4.5
2	MP2A	Z	1.087	4.5
3	MP2A	Mx	.001	4.5
4	MP2A	X	.627	5.5
5	MP2A	Z	1.087	5.5
6	MP2A	Mx	.001	5.5
7	MP2A	X	.627	4.5
8	MP2A	Z	1.087	4.5
9	MP2A	Mx	.000877	4.5
10	MP2A	X	.627	5.5
11	MP2A	Z	1.087	5.5
12	MP2A	Mx	.000877	5.5
13	MP1A	X	4.926	.5
14	MP1A	Z	8.533	.5
15	MP1A	Mx	-.004	.5
16	MP1A	X	4.926	5.5
17	MP1A	Z	8.533	5.5
18	MP1A	Mx	-.004	5.5
19	MP1B	X	3.525	.5
20	MP1B	Z	6.105	.5
21	MP1B	Mx	-.002	.5
22	MP1B	X	3.525	5.5
23	MP1B	Z	6.105	5.5
24	MP1B	Mx	-.002	5.5
25	MP1C	X	5.627	.5
26	MP1C	Z	9.746	.5
27	MP1C	Mx	.006	.5
28	MP1C	X	5.627	5.5
29	MP1C	Z	9.746	5.5
30	MP1C	Mx	.006	5.5
31	MP4A	X	4.926	.5
32	MP4A	Z	8.533	.5
33	MP4A	Mx	-.004	.5
34	MP4A	X	4.926	5.5
35	MP4A	Z	8.533	5.5
36	MP4A	Mx	-.004	5.5
37	MP4B	X	3.525	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP4B	Z	6.105	.5
39	MP4B	Mx	-.002	.5
40	MP4B	X	3.525	5.5
41	MP4B	Z	6.105	5.5
42	MP4B	Mx	-.002	5.5
43	MP4C	X	5.627	.5
44	MP4C	Z	9.746	.5
45	MP4C	Mx	.006	.5
46	MP4C	X	5.627	5.5
47	MP4C	Z	9.746	5.5
48	MP4C	Mx	.006	5.5
49	MP2A	X	2.058	.5
50	MP2A	Z	3.564	.5
51	MP2A	Mx	-.000582	.5
52	MP2A	X	2.058	5.5
53	MP2A	Z	3.564	5.5
54	MP2A	Mx	-.000582	5.5
55	MP2B	X	3.081	.5
56	MP2B	Z	5.337	.5
57	MP2B	Mx	-.005	.5
58	MP2B	X	3.081	5.5
59	MP2B	Z	5.337	5.5
60	MP2B	Mx	-.005	5.5
61	MP2C	X	1.546	.5
62	MP2C	Z	2.677	.5
63	MP2C	Mx	.002	.5
64	MP2C	X	1.546	5.5
65	MP2C	Z	2.677	5.5
66	MP2C	Mx	.002	5.5
67	MP2A	X	2.058	.5
68	MP2A	Z	3.564	.5
69	MP2A	Mx	-.003	.5
70	MP2A	X	2.058	5.5
71	MP2A	Z	3.564	5.5
72	MP2A	Mx	-.003	5.5
73	MP2B	X	3.081	.5
74	MP2B	Z	5.337	.5
75	MP2B	Mx	.002	.5
76	MP2B	X	3.081	5.5
77	MP2B	Z	5.337	5.5
78	MP2B	Mx	.002	5.5
79	MP2C	X	1.546	.5
80	MP2C	Z	2.677	.5
81	MP2C	Mx	.002	.5
82	MP2C	X	1.546	5.5
83	MP2C	Z	2.677	5.5
84	MP2C	Mx	.002	5.5
85	MP3A	X	1.299	2
86	MP3A	Z	2.251	2
87	MP3A	Mx	-.001	2
88	MP3A	X	1.299	4
89	MP3A	Z	2.251	4
90	MP3A	Mx	-.001	4
91	MP3B	X	2.137	2
92	MP3B	Z	3.702	2
93	MP3B	Mx	-.001	2
94	MP3B	X	2.137	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
95	MP3B	Z	3.702	4
96	MP3B	Mx	-.001	4
97	MP3C	X	.88	2
98	MP3C	Z	1.525	2
99	MP3C	Mx	.00088	2
100	MP3C	X	.88	4
101	MP3C	Z	1.525	4
102	MP3C	Mx	.00088	4
103	MP3A	X	1.337	1
104	MP3A	Z	2.316	1
105	MP3A	Mx	.001	1
106	MP3B	X	1.793	1
107	MP3B	Z	3.106	1
108	MP3B	Mx	.000897	1
109	MP3C	X	1.109	1
110	MP3C	Z	1.92	1
111	MP3C	Mx	-.001	1
112	MP2A	X	1.523	1
113	MP2A	Z	2.638	1
114	MP2A	Mx	.001	1
115	MP2B	X	1.855	1
116	MP2B	Z	3.214	1
117	MP2B	Mx	.000928	1
118	MP2C	X	1.357	1
119	MP2C	Z	2.35	1
120	MP2C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	0	4.5
2	MP2A	Z	1.253	4.5
3	MP2A	Mx	.000988	4.5
4	MP2A	X	0	5.5
5	MP2A	Z	1.253	5.5
6	MP2A	Mx	.000988	5.5
7	MP2A	X	0	4.5
8	MP2A	Z	1.253	4.5
9	MP2A	Mx	.000265	4.5
10	MP2A	X	0	5.5
11	MP2A	Z	1.253	5.5
12	MP2A	Mx	.000265	5.5
13	MP1A	X	0	.5
14	MP1A	Z	7.049	.5
15	MP1A	Mx	-.002	.5
16	MP1A	X	0	5.5
17	MP1A	Z	7.049	5.5
18	MP1A	Mx	-.002	5.5
19	MP1B	X	0	.5
20	MP1B	Z	9.853	.5
21	MP1B	Mx	-.004	.5
22	MP1B	X	0	5.5
23	MP1B	Z	9.853	5.5
24	MP1B	Mx	-.004	5.5
25	MP1C	X	0	.5
26	MP1C	Z	9.853	.5
27	MP1C	Mx	.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1C	X	0	5.5
29	MP1C	Z	9.853	5.5
30	MP1C	Mx	.004	5.5
31	MP4A	X	0	.5
32	MP4A	Z	7.049	.5
33	MP4A	Mx	-.002	.5
34	MP4A	X	0	5.5
35	MP4A	Z	7.049	5.5
36	MP4A	Mx	-.002	5.5
37	MP4B	X	0	.5
38	MP4B	Z	9.853	.5
39	MP4B	Mx	-.004	.5
40	MP4B	X	0	5.5
41	MP4B	Z	9.853	5.5
42	MP4B	Mx	-.004	5.5
43	MP4C	X	0	.5
44	MP4C	Z	9.853	.5
45	MP4C	Mx	.004	.5
46	MP4C	X	0	5.5
47	MP4C	Z	9.853	5.5
48	MP4C	Mx	.004	5.5
49	MP2A	X	0	.5
50	MP2A	Z	6.163	.5
51	MP2A	Mx	.002	.5
52	MP2A	X	0	5.5
53	MP2A	Z	6.163	5.5
54	MP2A	Mx	.002	5.5
55	MP2B	X	0	.5
56	MP2B	Z	4.115	.5
57	MP2B	Mx	-.003	.5
58	MP2B	X	0	5.5
59	MP2B	Z	4.115	5.5
60	MP2B	Mx	-.003	5.5
61	MP2C	X	0	.5
62	MP2C	Z	4.115	.5
63	MP2C	Mx	.000582	.5
64	MP2C	X	0	5.5
65	MP2C	Z	4.115	5.5
66	MP2C	Mx	.000582	5.5
67	MP2A	X	0	.5
68	MP2A	Z	6.163	.5
69	MP2A	Mx	-.005	.5
70	MP2A	X	0	5.5
71	MP2A	Z	6.163	5.5
72	MP2A	Mx	-.005	5.5
73	MP2B	X	0	.5
74	MP2B	Z	4.115	.5
75	MP2B	Mx	-.000582	.5
76	MP2B	X	0	5.5
77	MP2B	Z	4.115	5.5
78	MP2B	Mx	-.000582	5.5
79	MP2C	X	0	.5
80	MP2C	Z	4.115	.5
81	MP2C	Mx	.003	.5
82	MP2C	X	0	5.5
83	MP2C	Z	4.115	5.5
84	MP2C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
85	MP3A	X	0	2
86	MP3A	Z	4.275	2
87	MP3A	Mx	-.001	2
88	MP3A	X	0	4
89	MP3A	Z	4.275	4
90	MP3A	Mx	-.001	4
91	MP3B	X	0	2
92	MP3B	Z	2.599	2
93	MP3B	Mx	-.001	2
94	MP3B	X	0	4
95	MP3B	Z	2.599	4
96	MP3B	Mx	-.001	4
97	MP3C	X	0	2
98	MP3C	Z	2.599	2
99	MP3C	Mx	.001	2
100	MP3C	X	0	4
101	MP3C	Z	2.599	4
102	MP3C	Mx	.001	4
103	MP3A	X	0	1
104	MP3A	Z	3.587	1
105	MP3A	Mx	.000897	1
106	MP3B	X	0	1
107	MP3B	Z	2.674	1
108	MP3B	Mx	.001	1
109	MP3C	X	0	1
110	MP3C	Z	2.674	1
111	MP3C	Mx	-.001	1
112	MP2A	X	0	1
113	MP2A	Z	3.711	1
114	MP2A	Mx	.000928	1
115	MP2B	X	0	1
116	MP2B	Z	3.046	1
117	MP2B	Mx	.001	1
118	MP2C	X	0	1
119	MP2C	Z	3.046	1
120	MP2C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	-.626	4.5
2	MP2A	Z	1.084	4.5
3	MP2A	Mx	.000417	4.5
4	MP2A	X	-.626	5.5
5	MP2A	Z	1.084	5.5
6	MP2A	Mx	.000417	5.5
7	MP2A	X	-.626	4.5
8	MP2A	Z	1.084	4.5
9	MP2A	Mx	-.000417	4.5
10	MP2A	X	-.626	5.5
11	MP2A	Z	1.084	5.5
12	MP2A	Mx	-.000417	5.5
13	MP1A	X	-2.824	.5
14	MP1A	Z	4.891	.5
15	MP1A	Mx	0	.5
16	MP1A	X	-2.824	5.5
17	MP1A	Z	4.891	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP1A	Mx	0	5.5
19	MP1B	X	-5.627	.5
20	MP1B	Z	9.746	.5
21	MP1B	Mx	-.006	.5
22	MP1B	X	-5.627	5.5
23	MP1B	Z	9.746	5.5
24	MP1B	Mx	-.006	5.5
25	MP1C	X	-3.525	.5
26	MP1C	Z	6.105	.5
27	MP1C	Mx	.002	.5
28	MP1C	X	-3.525	5.5
29	MP1C	Z	6.105	5.5
30	MP1C	Mx	.002	5.5
31	MP4A	X	-2.824	.5
32	MP4A	Z	4.891	.5
33	MP4A	Mx	0	.5
34	MP4A	X	-2.824	5.5
35	MP4A	Z	4.891	5.5
36	MP4A	Mx	0	5.5
37	MP4B	X	-5.627	.5
38	MP4B	Z	9.746	.5
39	MP4B	Mx	-.006	.5
40	MP4B	X	-5.627	5.5
41	MP4B	Z	9.746	5.5
42	MP4B	Mx	-.006	5.5
43	MP4C	X	-3.525	.5
44	MP4C	Z	6.105	.5
45	MP4C	Mx	.002	.5
46	MP4C	X	-3.525	5.5
47	MP4C	Z	6.105	5.5
48	MP4C	Mx	.002	5.5
49	MP2A	X	-3.593	.5
50	MP2A	Z	6.224	.5
51	MP2A	Mx	.004	.5
52	MP2A	X	-3.593	5.5
53	MP2A	Z	6.224	5.5
54	MP2A	Mx	.004	5.5
55	MP2B	X	-1.546	.5
56	MP2B	Z	2.677	.5
57	MP2B	Mx	-.002	.5
58	MP2B	X	-1.546	5.5
59	MP2B	Z	2.677	5.5
60	MP2B	Mx	-.002	5.5
61	MP2C	X	-3.081	.5
62	MP2C	Z	5.337	.5
63	MP2C	Mx	-.002	.5
64	MP2C	X	-3.081	5.5
65	MP2C	Z	5.337	5.5
66	MP2C	Mx	-.002	5.5
67	MP2A	X	-3.593	.5
68	MP2A	Z	6.224	.5
69	MP2A	Mx	-.004	.5
70	MP2A	X	-3.593	5.5
71	MP2A	Z	6.224	5.5
72	MP2A	Mx	-.004	5.5
73	MP2B	X	-1.546	.5
74	MP2B	Z	2.677	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
75	MP2B	Mx	-.002	.5
76	MP2B	X	-1.546	5.5
77	MP2B	Z	2.677	5.5
78	MP2B	Mx	-.002	5.5
79	MP2C	X	-3.081	.5
80	MP2C	Z	5.337	.5
81	MP2C	Mx	.005	.5
82	MP2C	X	-3.081	5.5
83	MP2C	Z	5.337	5.5
84	MP2C	Mx	.005	5.5
85	MP3A	X	-2.557	2
86	MP3A	Z	4.428	2
87	MP3A	Mx	0	2
88	MP3A	X	-2.557	4
89	MP3A	Z	4.428	4
90	MP3A	Mx	0	4
91	MP3B	X	-.88	2
92	MP3B	Z	1.525	2
93	MP3B	Mx	-.00088	2
94	MP3B	X	-.88	4
95	MP3B	Z	1.525	4
96	MP3B	Mx	-.00088	4
97	MP3C	X	-2.137	2
98	MP3C	Z	3.702	2
99	MP3C	Mx	.001	2
100	MP3C	X	-2.137	4
101	MP3C	Z	3.702	4
102	MP3C	Mx	.001	4
103	MP3A	X	-2.022	1
104	MP3A	Z	3.502	1
105	MP3A	Mx	0	1
106	MP3B	X	-1.109	1
107	MP3B	Z	1.92	1
108	MP3B	Mx	.001	1
109	MP3C	X	-1.793	1
110	MP3C	Z	3.106	1
111	MP3C	Mx	-.000897	1
112	MP2A	X	-2.022	1
113	MP2A	Z	3.502	1
114	MP2A	Mx	0	1
115	MP2B	X	-1.357	1
116	MP2B	Z	2.35	1
117	MP2B	Mx	.001	1
118	MP2C	X	-1.855	1
119	MP2C	Z	3.214	1
120	MP2C	Mx	-.000928	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-1.085	4.5
2	MP2A	Z	.627	4.5
3	MP2A	Mx	-.000264	4.5
4	MP2A	X	-1.085	5.5
5	MP2A	Z	.627	5.5
6	MP2A	Mx	-.000264	5.5
7	MP2A	X	-1.085	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
8	MP2A	Z	.627	4.5
9	MP2A	Mx	-.000988	4.5
10	MP2A	X	-1.085	5.5
11	MP2A	Z	.627	5.5
12	MP2A	Mx	-.000988	5.5
13	MP1A	X	-6.105	.5
14	MP1A	Z	3.525	.5
15	MP1A	Mx	.002	.5
16	MP1A	X	-6.105	5.5
17	MP1A	Z	3.525	5.5
18	MP1A	Mx	.002	5.5
19	MP1B	X	-8.533	.5
20	MP1B	Z	4.926	.5
21	MP1B	Mx	-.004	.5
22	MP1B	X	-8.533	5.5
23	MP1B	Z	4.926	5.5
24	MP1B	Mx	-.004	5.5
25	MP1C	X	-4.891	.5
26	MP1C	Z	2.824	.5
27	MP1C	Mx	0	.5
28	MP1C	X	-4.891	5.5
29	MP1C	Z	2.824	5.5
30	MP1C	Mx	0	5.5
31	MP4A	X	-6.105	.5
32	MP4A	Z	3.525	.5
33	MP4A	Mx	.002	.5
34	MP4A	X	-6.105	5.5
35	MP4A	Z	3.525	5.5
36	MP4A	Mx	.002	5.5
37	MP4B	X	-8.533	.5
38	MP4B	Z	4.926	.5
39	MP4B	Mx	-.004	.5
40	MP4B	X	-8.533	5.5
41	MP4B	Z	4.926	5.5
42	MP4B	Mx	-.004	5.5
43	MP4C	X	-4.891	.5
44	MP4C	Z	2.824	.5
45	MP4C	Mx	0	.5
46	MP4C	X	-4.891	5.5
47	MP4C	Z	2.824	5.5
48	MP4C	Mx	0	5.5
49	MP2A	X	-5.337	.5
50	MP2A	Z	3.081	.5
51	MP2A	Mx	.005	.5
52	MP2A	X	-5.337	5.5
53	MP2A	Z	3.081	5.5
54	MP2A	Mx	.005	5.5
55	MP2B	X	-3.564	.5
56	MP2B	Z	2.058	.5
57	MP2B	Mx	-.000582	.5
58	MP2B	X	-3.564	5.5
59	MP2B	Z	2.058	5.5
60	MP2B	Mx	-.000582	5.5
61	MP2C	X	-6.224	.5
62	MP2C	Z	3.593	.5
63	MP2C	Mx	-.004	.5
64	MP2C	X	-6.224	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2C	Z	3.593	5.5
66	MP2C	Mx	-.004	5.5
67	MP2A	X	-5.337	.5
68	MP2A	Z	3.081	.5
69	MP2A	Mx	-.002	.5
70	MP2A	X	-5.337	5.5
71	MP2A	Z	3.081	5.5
72	MP2A	Mx	-.002	5.5
73	MP2B	X	-3.564	.5
74	MP2B	Z	2.058	.5
75	MP2B	Mx	-.003	.5
76	MP2B	X	-3.564	5.5
77	MP2B	Z	2.058	5.5
78	MP2B	Mx	-.003	5.5
79	MP2C	X	-6.224	.5
80	MP2C	Z	3.593	.5
81	MP2C	Mx	.004	.5
82	MP2C	X	-6.224	5.5
83	MP2C	Z	3.593	5.5
84	MP2C	Mx	.004	5.5
85	MP3A	X	-3.702	2
86	MP3A	Z	2.137	2
87	MP3A	Mx	.001	2
88	MP3A	X	-3.702	4
89	MP3A	Z	2.137	4
90	MP3A	Mx	.001	4
91	MP3B	X	-2.251	2
92	MP3B	Z	1.299	2
93	MP3B	Mx	-.001	2
94	MP3B	X	-2.251	4
95	MP3B	Z	1.299	4
96	MP3B	Mx	-.001	4
97	MP3C	X	-4.428	2
98	MP3C	Z	2.557	2
99	MP3C	Mx	0	2
100	MP3C	X	-4.428	4
101	MP3C	Z	2.557	4
102	MP3C	Mx	0	4
103	MP3A	X	-3.106	1
104	MP3A	Z	1.793	1
105	MP3A	Mx	-.000897	1
106	MP3B	X	-2.316	1
107	MP3B	Z	1.337	1
108	MP3B	Mx	.001	1
109	MP3C	X	-3.502	1
110	MP3C	Z	2.022	1
111	MP3C	Mx	0	1
112	MP2A	X	-3.214	1
113	MP2A	Z	1.855	1
114	MP2A	Mx	-.000928	1
115	MP2B	X	-2.638	1
116	MP2B	Z	1.523	1
117	MP2B	Mx	.001	1
118	MP2C	X	-3.502	1
119	MP2C	Z	2.022	1
120	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	-1.255	4.5
2	MP2A	Z	0	4.5
3	MP2A	Mx	-.000878	4.5
4	MP2A	X	-1.255	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.000878	5.5
7	MP2A	X	-1.255	4.5
8	MP2A	Z	0	4.5
9	MP2A	Mx	-.001	4.5
10	MP2A	X	-1.255	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.001	5.5
13	MP1A	X	-9.853	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	.004	.5
16	MP1A	X	-9.853	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	.004	5.5
19	MP1B	X	-7.049	.5
20	MP1B	Z	0	.5
21	MP1B	Mx	-.002	.5
22	MP1B	X	-7.049	5.5
23	MP1B	Z	0	5.5
24	MP1B	Mx	-.002	5.5
25	MP1C	X	-7.049	.5
26	MP1C	Z	0	.5
27	MP1C	Mx	-.002	.5
28	MP1C	X	-7.049	5.5
29	MP1C	Z	0	5.5
30	MP1C	Mx	-.002	5.5
31	MP4A	X	-9.853	.5
32	MP4A	Z	0	.5
33	MP4A	Mx	.004	.5
34	MP4A	X	-9.853	5.5
35	MP4A	Z	0	5.5
36	MP4A	Mx	.004	5.5
37	MP4B	X	-7.049	.5
38	MP4B	Z	0	.5
39	MP4B	Mx	-.002	.5
40	MP4B	X	-7.049	5.5
41	MP4B	Z	0	5.5
42	MP4B	Mx	-.002	5.5
43	MP4C	X	-7.049	.5
44	MP4C	Z	0	.5
45	MP4C	Mx	-.002	.5
46	MP4C	X	-7.049	5.5
47	MP4C	Z	0	5.5
48	MP4C	Mx	-.002	5.5
49	MP2A	X	-4.115	.5
50	MP2A	Z	0	.5
51	MP2A	Mx	.003	.5
52	MP2A	X	-4.115	5.5
53	MP2A	Z	0	5.5
54	MP2A	Mx	.003	5.5
55	MP2B	X	-6.163	.5
56	MP2B	Z	0	.5
57	MP2B	Mx	.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-6.163	5.5
59	MP2B	Z	0	5.5
60	MP2B	Mx	.002	5.5
61	MP2C	X	-6.163	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	-.005	.5
64	MP2C	X	-6.163	5.5
65	MP2C	Z	0	5.5
66	MP2C	Mx	-.005	5.5
67	MP2A	X	-4.115	.5
68	MP2A	Z	0	.5
69	MP2A	Mx	.000582	.5
70	MP2A	X	-4.115	5.5
71	MP2A	Z	0	5.5
72	MP2A	Mx	.000582	5.5
73	MP2B	X	-6.163	.5
74	MP2B	Z	0	.5
75	MP2B	Mx	-.005	.5
76	MP2B	X	-6.163	5.5
77	MP2B	Z	0	5.5
78	MP2B	Mx	-.005	5.5
79	MP2C	X	-6.163	.5
80	MP2C	Z	0	.5
81	MP2C	Mx	.002	.5
82	MP2C	X	-6.163	5.5
83	MP2C	Z	0	5.5
84	MP2C	Mx	.002	5.5
85	MP3A	X	-2.599	2
86	MP3A	Z	0	2
87	MP3A	Mx	.001	2
88	MP3A	X	-2.599	4
89	MP3A	Z	0	4
90	MP3A	Mx	.001	4
91	MP3B	X	-4.275	2
92	MP3B	Z	0	2
93	MP3B	Mx	-.001	2
94	MP3B	X	-4.275	4
95	MP3B	Z	0	4
96	MP3B	Mx	-.001	4
97	MP3C	X	-4.275	2
98	MP3C	Z	0	2
99	MP3C	Mx	-.001	2
100	MP3C	X	-4.275	4
101	MP3C	Z	0	4
102	MP3C	Mx	-.001	4
103	MP3A	X	-2.674	1
104	MP3A	Z	0	1
105	MP3A	Mx	-.001	1
106	MP3B	X	-3.587	1
107	MP3B	Z	0	1
108	MP3B	Mx	.000897	1
109	MP3C	X	-3.587	1
110	MP3C	Z	0	1
111	MP3C	Mx	.000897	1
112	MP2A	X	-3.046	1
113	MP2A	Z	0	1
114	MP2A	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
115	MP2B	X	-3.711	1
116	MP2B	Z	0	1
117	MP2B	Mx	.000928	1
118	MP2C	X	-3.711	1
119	MP2C	Z	0	1
120	MP2C	Mx	.000928	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-1.088	4.5
2	MP2A	Z	-.628	4.5
3	MP2A	Mx	-.001	4.5
4	MP2A	X	-1.088	5.5
5	MP2A	Z	-.628	5.5
6	MP2A	Mx	-.001	5.5
7	MP2A	X	-1.088	4.5
8	MP2A	Z	-.628	4.5
9	MP2A	Mx	-.001	4.5
10	MP2A	X	-1.088	5.5
11	MP2A	Z	-.628	5.5
12	MP2A	Mx	-.001	5.5
13	MP1A	X	-9.746	.5
14	MP1A	Z	-5.627	.5
15	MP1A	Mx	.006	.5
16	MP1A	X	-9.746	5.5
17	MP1A	Z	-5.627	5.5
18	MP1A	Mx	.006	5.5
19	MP1B	X	-4.891	.5
20	MP1B	Z	-2.824	.5
21	MP1B	Mx	0	.5
22	MP1B	X	-4.891	5.5
23	MP1B	Z	-2.824	5.5
24	MP1B	Mx	0	5.5
25	MP1C	X	-8.533	.5
26	MP1C	Z	-4.926	.5
27	MP1C	Mx	-.004	.5
28	MP1C	X	-8.533	5.5
29	MP1C	Z	-4.926	5.5
30	MP1C	Mx	-.004	5.5
31	MP4A	X	-9.746	.5
32	MP4A	Z	-5.627	.5
33	MP4A	Mx	.006	.5
34	MP4A	X	-9.746	5.5
35	MP4A	Z	-5.627	5.5
36	MP4A	Mx	.006	5.5
37	MP4B	X	-4.891	.5
38	MP4B	Z	-2.824	.5
39	MP4B	Mx	0	.5
40	MP4B	X	-4.891	5.5
41	MP4B	Z	-2.824	5.5
42	MP4B	Mx	0	5.5
43	MP4C	X	-8.533	.5
44	MP4C	Z	-4.926	.5
45	MP4C	Mx	-.004	.5
46	MP4C	X	-8.533	5.5
47	MP4C	Z	-4.926	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP4C	Mx	-.004	5.5
49	MP2A	X	-2.677	.5
50	MP2A	Z	-1.546	.5
51	MP2A	Mx	.002	.5
52	MP2A	X	-2.677	5.5
53	MP2A	Z	-1.546	5.5
54	MP2A	Mx	.002	5.5
55	MP2B	X	-6.224	.5
56	MP2B	Z	-3.593	.5
57	MP2B	Mx	.004	.5
58	MP2B	X	-6.224	5.5
59	MP2B	Z	-3.593	5.5
60	MP2B	Mx	.004	5.5
61	MP2C	X	-3.564	.5
62	MP2C	Z	-2.058	.5
63	MP2C	Mx	-.003	.5
64	MP2C	X	-3.564	5.5
65	MP2C	Z	-2.058	5.5
66	MP2C	Mx	-.003	5.5
67	MP2A	X	-2.677	.5
68	MP2A	Z	-1.546	.5
69	MP2A	Mx	.002	.5
70	MP2A	X	-2.677	5.5
71	MP2A	Z	-1.546	5.5
72	MP2A	Mx	.002	5.5
73	MP2B	X	-6.224	.5
74	MP2B	Z	-3.593	.5
75	MP2B	Mx	-.004	.5
76	MP2B	X	-6.224	5.5
77	MP2B	Z	-3.593	5.5
78	MP2B	Mx	-.004	5.5
79	MP2C	X	-3.564	.5
80	MP2C	Z	-2.058	.5
81	MP2C	Mx	-.000582	.5
82	MP2C	X	-3.564	5.5
83	MP2C	Z	-2.058	5.5
84	MP2C	Mx	-.000582	5.5
85	MP3A	X	-1.525	2
86	MP3A	Z	-.88	2
87	MP3A	Mx	.00088	2
88	MP3A	X	-1.525	4
89	MP3A	Z	-.88	4
90	MP3A	Mx	.00088	4
91	MP3B	X	-4.428	2
92	MP3B	Z	-2.557	2
93	MP3B	Mx	0	2
94	MP3B	X	-4.428	4
95	MP3B	Z	-2.557	4
96	MP3B	Mx	0	4
97	MP3C	X	-2.251	2
98	MP3C	Z	-1.299	2
99	MP3C	Mx	-.001	2
100	MP3C	X	-2.251	4
101	MP3C	Z	-1.299	4
102	MP3C	Mx	-.001	4
103	MP3A	X	-1.92	1
104	MP3A	Z	-1.109	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
105	MP3A	Mx	-.001	1
106	MP3B	X	-3.502	1
107	MP3B	Z	-2.022	1
108	MP3B	Mx	0	1
109	MP3C	X	-2.316	1
110	MP3C	Z	-1.337	1
111	MP3C	Mx	.001	1
112	MP2A	X	-2.35	1
113	MP2A	Z	-1.357	1
114	MP2A	Mx	-.001	1
115	MP2B	X	-3.502	1
116	MP2B	Z	-2.022	1
117	MP2B	Mx	0	1
118	MP2C	X	-2.638	1
119	MP2C	Z	-1.523	1
120	MP2C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-.627	4.5
2	MP2A	Z	-1.087	4.5
3	MP2A	Mx	-.001	4.5
4	MP2A	X	-.627	5.5
5	MP2A	Z	-1.087	5.5
6	MP2A	Mx	-.001	5.5
7	MP2A	X	-.627	4.5
8	MP2A	Z	-1.087	4.5
9	MP2A	Mx	-.000877	4.5
10	MP2A	X	-.627	5.5
11	MP2A	Z	-1.087	5.5
12	MP2A	Mx	-.000877	5.5
13	MP1A	X	-4.926	.5
14	MP1A	Z	-8.533	.5
15	MP1A	Mx	.004	.5
16	MP1A	X	-4.926	5.5
17	MP1A	Z	-8.533	5.5
18	MP1A	Mx	.004	5.5
19	MP1B	X	-3.525	.5
20	MP1B	Z	-6.105	.5
21	MP1B	Mx	.002	.5
22	MP1B	X	-3.525	5.5
23	MP1B	Z	-6.105	5.5
24	MP1B	Mx	.002	5.5
25	MP1C	X	-5.627	.5
26	MP1C	Z	-9.746	.5
27	MP1C	Mx	-.006	.5
28	MP1C	X	-5.627	5.5
29	MP1C	Z	-9.746	5.5
30	MP1C	Mx	-.006	5.5
31	MP4A	X	-4.926	.5
32	MP4A	Z	-8.533	.5
33	MP4A	Mx	.004	.5
34	MP4A	X	-4.926	5.5
35	MP4A	Z	-8.533	5.5
36	MP4A	Mx	.004	5.5
37	MP4B	X	-3.525	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP4B	Z	-6.105	.5
39	MP4B	Mx	.002	.5
40	MP4B	X	-3.525	5.5
41	MP4B	Z	-6.105	5.5
42	MP4B	Mx	.002	5.5
43	MP4C	X	-5.627	.5
44	MP4C	Z	-9.746	.5
45	MP4C	Mx	-.006	.5
46	MP4C	X	-5.627	5.5
47	MP4C	Z	-9.746	5.5
48	MP4C	Mx	-.006	5.5
49	MP2A	X	-2.058	.5
50	MP2A	Z	-3.564	.5
51	MP2A	Mx	.000582	.5
52	MP2A	X	-2.058	5.5
53	MP2A	Z	-3.564	5.5
54	MP2A	Mx	.000582	5.5
55	MP2B	X	-3.081	.5
56	MP2B	Z	-5.337	.5
57	MP2B	Mx	.005	.5
58	MP2B	X	-3.081	5.5
59	MP2B	Z	-5.337	5.5
60	MP2B	Mx	.005	5.5
61	MP2C	X	-1.546	.5
62	MP2C	Z	-2.677	.5
63	MP2C	Mx	-.002	.5
64	MP2C	X	-1.546	5.5
65	MP2C	Z	-2.677	5.5
66	MP2C	Mx	-.002	5.5
67	MP2A	X	-2.058	.5
68	MP2A	Z	-3.564	.5
69	MP2A	Mx	.003	.5
70	MP2A	X	-2.058	5.5
71	MP2A	Z	-3.564	5.5
72	MP2A	Mx	.003	5.5
73	MP2B	X	-3.081	.5
74	MP2B	Z	-5.337	.5
75	MP2B	Mx	-.002	.5
76	MP2B	X	-3.081	5.5
77	MP2B	Z	-5.337	5.5
78	MP2B	Mx	-.002	5.5
79	MP2C	X	-1.546	.5
80	MP2C	Z	-2.677	.5
81	MP2C	Mx	-.002	.5
82	MP2C	X	-1.546	5.5
83	MP2C	Z	-2.677	5.5
84	MP2C	Mx	-.002	5.5
85	MP3A	X	-1.299	2
86	MP3A	Z	-2.251	2
87	MP3A	Mx	.001	2
88	MP3A	X	-1.299	4
89	MP3A	Z	-2.251	4
90	MP3A	Mx	.001	4
91	MP3B	X	-2.137	2
92	MP3B	Z	-3.702	2
93	MP3B	Mx	.001	2
94	MP3B	X	-2.137	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
95	MP3B	Z	-3.702	4
96	MP3B	Mx	.001	4
97	MP3C	X	-.88	2
98	MP3C	Z	-1.525	2
99	MP3C	Mx	-.00088	2
100	MP3C	X	-.88	4
101	MP3C	Z	-1.525	4
102	MP3C	Mx	-.00088	4
103	MP3A	X	-1.337	1
104	MP3A	Z	-2.316	1
105	MP3A	Mx	-.001	1
106	MP3B	X	-1.793	1
107	MP3B	Z	-3.106	1
108	MP3B	Mx	-.000897	1
109	MP3C	X	-1.109	1
110	MP3C	Z	-1.92	1
111	MP3C	Mx	.001	1
112	MP2A	X	-1.523	1
113	MP2A	Z	-2.638	1
114	MP2A	Mx	-.001	1
115	MP2B	X	-1.855	1
116	MP2B	Z	-3.214	1
117	MP2B	Mx	-.000928	1
118	MP2C	X	-1.357	1
119	MP2C	Z	-2.35	1
120	MP2C	Mx	.001	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M54A	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M56A	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M5	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	Y	-.195	4.5
2	MP2A	My	.000137	4.5
3	MP2A	Mz	.000154	4.5
4	MP2A	Y	-.195	5.5
5	MP2A	My	.000137	5.5
6	MP2A	Mz	.000154	5.5
7	MP2A	Y	-.195	4.5
8	MP2A	My	.000202	4.5
9	MP2A	Mz	4.1e-5	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
10	MP2A	Y	-.195	5.5
11	MP2A	My	.000202	5.5
12	MP2A	Mz	4.1e-5	5.5
13	MP1A	Y	-.233	.5
14	MP1A	My	-.000101	.5
15	MP1A	Mz	-5.8e-5	.5
16	MP1A	Y	-.233	5.5
17	MP1A	My	-.000101	5.5
18	MP1A	Mz	-5.8e-5	5.5
19	MP1B	Y	-.233	.5
20	MP1B	My	5.8e-5	.5
21	MP1B	Mz	-.000101	.5
22	MP1B	Y	-.233	5.5
23	MP1B	My	5.8e-5	5.5
24	MP1B	Mz	-.000101	5.5
25	MP1C	Y	-.233	.5
26	MP1C	My	5.8e-5	.5
27	MP1C	Mz	.000101	.5
28	MP1C	Y	-.233	5.5
29	MP1C	My	5.8e-5	5.5
30	MP1C	Mz	.000101	5.5
31	MP4A	Y	-.233	.5
32	MP4A	My	-.000101	.5
33	MP4A	Mz	-5.8e-5	.5
34	MP4A	Y	-.233	5.5
35	MP4A	My	-.000101	5.5
36	MP4A	Mz	-5.8e-5	5.5
37	MP4B	Y	-.233	.5
38	MP4B	My	5.8e-5	.5
39	MP4B	Mz	-.000101	.5
40	MP4B	Y	-.233	5.5
41	MP4B	My	5.8e-5	5.5
42	MP4B	Mz	-.000101	5.5
43	MP4C	Y	-.233	.5
44	MP4C	My	5.8e-5	.5
45	MP4C	Mz	.000101	.5
46	MP4C	Y	-.233	5.5
47	MP4C	My	5.8e-5	5.5
48	MP4C	Mz	.000101	5.5
49	MP2A	Y	-.451	.5
50	MP2A	My	-.000327	.5
51	MP2A	Mz	.000115	.5
52	MP2A	Y	-.451	5.5
53	MP2A	My	-.000327	5.5
54	MP2A	Mz	.000115	5.5
55	MP2B	Y	-.451	.5
56	MP2B	My	-.000115	.5
57	MP2B	Mz	-.000327	.5
58	MP2B	Y	-.451	5.5
59	MP2B	My	-.000115	5.5
60	MP2B	Mz	-.000327	5.5
61	MP2C	Y	-.451	.5
62	MP2C	My	.00034	.5
63	MP2C	Mz	6.4e-5	.5
64	MP2C	Y	-.451	5.5
65	MP2C	My	.00034	5.5
66	MP2C	Mz	6.4e-5	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
67	MP2A	Y	-.451	.5
68	MP2A	My	-6.4e-5	.5
69	MP2A	Mz	-.00034	.5
70	MP2A	Y	-.451	5.5
71	MP2A	My	-6.4e-5	5.5
72	MP2A	Mz	-.00034	5.5
73	MP2B	Y	-.451	.5
74	MP2B	My	.00034	.5
75	MP2B	Mz	-6.4e-5	.5
76	MP2B	Y	-.451	5.5
77	MP2B	My	.00034	5.5
78	MP2B	Mz	-6.4e-5	5.5
79	MP2C	Y	-.451	.5
80	MP2C	My	-.000115	.5
81	MP2C	Mz	.000327	.5
82	MP2C	Y	-.451	5.5
83	MP2C	My	-.000115	5.5
84	MP2C	Mz	.000327	5.5
85	MP3A	Y	-.967	2
86	MP3A	My	-.000419	2
87	MP3A	Mz	-.000242	2
88	MP3A	Y	-.967	4
89	MP3A	My	-.000419	4
90	MP3A	Mz	-.000242	4
91	MP3B	Y	-.967	2
92	MP3B	My	.000242	2
93	MP3B	Mz	-.000419	2
94	MP3B	Y	-.967	4
95	MP3B	My	.000242	4
96	MP3B	Mz	-.000419	4
97	MP3C	Y	-.967	2
98	MP3C	My	.000242	2
99	MP3C	Mz	.000419	2
100	MP3C	Y	-.967	4
101	MP3C	My	.000242	4
102	MP3C	Mz	.000419	4
103	MP3A	Y	-1.561	1
104	MP3A	My	.000676	1
105	MP3A	Mz	.00039	1
106	MP3B	Y	-1.561	1
107	MP3B	My	-.00039	1
108	MP3B	Mz	.000676	1
109	MP3C	Y	-1.561	1
110	MP3C	My	-.00039	1
111	MP3C	Mz	-.000676	1
112	MP2A	Y	-1.874	1
113	MP2A	My	.000811	1
114	MP2A	Mz	.000468	1
115	MP2B	Y	-1.874	1
116	MP2B	My	-.000468	1
117	MP2B	Mz	.000811	1
118	MP2C	Y	-1.874	1
119	MP2C	My	-.000468	1
120	MP2C	Mz	-.000811	1

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

Member Label	Direction	Magnitude (b.k.fl)	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	MP2A	Z	- .488	4.5
2	MP2A	Mx	-.000385	4.5
3	MP2A	Z	- .488	5.5
4	MP2A	Mx	-.000385	5.5
5	MP2A	Z	- .488	4.5
6	MP2A	Mx	-.000103	4.5
7	MP2A	Z	- .488	5.5
8	MP2A	Mx	-.000103	5.5
9	MP1A	Z	- .583	.5
10	MP1A	Mx	.000146	.5
11	MP1A	Z	- .583	5.5
12	MP1A	Mx	.000146	5.5
13	MP1B	Z	- .583	.5
14	MP1B	Mx	.000252	.5
15	MP1B	Z	- .583	5.5
16	MP1B	Mx	.000252	5.5
17	MP1C	Z	- .583	.5
18	MP1C	Mx	-.000252	.5
19	MP1C	Z	- .583	5.5
20	MP1C	Mx	-.000252	5.5
21	MP4A	Z	- .583	.5
22	MP4A	Mx	.000146	.5
23	MP4A	Z	- .583	5.5
24	MP4A	Mx	.000146	5.5
25	MP4B	Z	- .583	.5
26	MP4B	Mx	.000252	.5
27	MP4B	Z	- .583	5.5
28	MP4B	Mx	.000252	5.5
29	MP4C	Z	- .583	.5
30	MP4C	Mx	-.000252	.5
31	MP4C	Z	- .583	5.5
32	MP4C	Mx	-.000252	5.5
33	MP2A	Z	-1.127	.5
34	MP2A	Mx	-.000288	.5
35	MP2A	Z	-1.127	5.5
36	MP2A	Mx	-.000288	5.5
37	MP2B	Z	-1.127	.5
38	MP2B	Mx	.000816	.5
39	MP2B	Z	-1.127	5.5
40	MP2B	Mx	.000816	5.5
41	MP2C	Z	-1.127	.5
42	MP2C	Mx	-.000159	.5
43	MP2C	Z	-1.127	5.5
44	MP2C	Mx	-.000159	5.5
45	MP2A	Z	-1.127	.5
46	MP2A	Mx	.000851	.5
47	MP2A	Z	-1.127	5.5
48	MP2A	Mx	.000851	5.5
49	MP2B	Z	-1.127	.5
50	MP2B	Mx	.000159	.5
51	MP2B	Z	-1.127	5.5
52	MP2B	Mx	.000159	5.5
53	MP2C	Z	-1.127	.5
54	MP2C	Mx	-.000816	.5
55	MP2C	Z	-1.127	5.5
56	MP2C	Mx	-.000816	5.5
57	MP3A	Z	-2.417	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	Mx	.000604	2
59	MP3A	Z	-2.417	4
60	MP3A	Mx	.000604	4
61	MP3B	Z	-2.417	2
62	MP3B	Mx	.001	2
63	MP3B	Z	-2.417	4
64	MP3B	Mx	.001	4
65	MP3C	Z	-2.417	2
66	MP3C	Mx	-.001	2
67	MP3C	Z	-2.417	4
68	MP3C	Mx	-.001	4
69	MP3A	Z	-3.902	1
70	MP3A	Mx	-.000975	1
71	MP3B	Z	-3.902	1
72	MP3B	Mx	-.002	1
73	MP3C	Z	-3.902	1
74	MP3C	Mx	.002	1
75	MP2A	Z	-4.684	1
76	MP2A	Mx	-.001	1
77	MP2B	Z	-4.684	1
78	MP2B	Mx	-.002	1
79	MP2C	Z	-4.684	1
80	MP2C	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.488	4.5
2	MP2A	Mx	.000342	4.5
3	MP2A	X	.488	5.5
4	MP2A	Mx	.000342	5.5
5	MP2A	X	.488	4.5
6	MP2A	Mx	.000504	4.5
7	MP2A	X	.488	5.5
8	MP2A	Mx	.000504	5.5
9	MP1A	X	.583	.5
10	MP1A	Mx	-.000252	.5
11	MP1A	X	.583	5.5
12	MP1A	Mx	-.000252	5.5
13	MP1B	X	.583	.5
14	MP1B	Mx	.000146	.5
15	MP1B	X	.583	5.5
16	MP1B	Mx	.000146	5.5
17	MP1C	X	.583	.5
18	MP1C	Mx	.000146	.5
19	MP1C	X	.583	5.5
20	MP1C	Mx	.000146	5.5
21	MP4A	X	.583	.5
22	MP4A	Mx	-.000252	.5
23	MP4A	X	.583	5.5
24	MP4A	Mx	-.000252	5.5
25	MP4B	X	.583	.5
26	MP4B	Mx	.000146	.5
27	MP4B	X	.583	5.5
28	MP4B	Mx	.000146	5.5
29	MP4C	X	.583	.5
30	MP4C	Mx	.000146	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
31	MP4C	X	.583	5.5
32	MP4C	Mx	.000146	5.5
33	MP2A	X	1.127	.5
34	MP2A	Mx	-.000816	.5
35	MP2A	X	1.127	5.5
36	MP2A	Mx	-.000816	5.5
37	MP2B	X	1.127	.5
38	MP2B	Mx	-.000288	.5
39	MP2B	X	1.127	5.5
40	MP2B	Mx	-.000288	5.5
41	MP2C	X	1.127	.5
42	MP2C	Mx	.000851	.5
43	MP2C	X	1.127	5.5
44	MP2C	Mx	.000851	5.5
45	MP2A	X	1.127	.5
46	MP2A	Mx	-.000159	.5
47	MP2A	X	1.127	5.5
48	MP2A	Mx	-.000159	5.5
49	MP2B	X	1.127	.5
50	MP2B	Mx	.000851	.5
51	MP2B	X	1.127	5.5
52	MP2B	Mx	.000851	5.5
53	MP2C	X	1.127	.5
54	MP2C	Mx	-.000288	.5
55	MP2C	X	1.127	5.5
56	MP2C	Mx	-.000288	5.5
57	MP3A	X	2.417	2
58	MP3A	Mx	-.001	2
59	MP3A	X	2.417	4
60	MP3A	Mx	-.001	4
61	MP3B	X	2.417	2
62	MP3B	Mx	.000604	2
63	MP3B	X	2.417	4
64	MP3B	Mx	.000604	4
65	MP3C	X	2.417	2
66	MP3C	Mx	.000604	2
67	MP3C	X	2.417	4
68	MP3C	Mx	.000604	4
69	MP3A	X	3.902	1
70	MP3A	Mx	.002	1
71	MP3B	X	3.902	1
72	MP3B	Mx	-.000975	1
73	MP3C	X	3.902	1
74	MP3C	Mx	-.000975	1
75	MP2A	X	4.684	1
76	MP2A	Mx	.002	1
77	MP2B	X	4.684	1
78	MP2B	Mx	-.001	1
79	MP2C	X	4.684	1
80	MP2C	Mx	-.001	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	M1	Y	-6.598	-6.598	0	%100
2	M3	Y	-6.598	-6.598	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, %]
3	M5	Y	-6.598	-6.598	0	%100
4	M13	Y	-6.598	-6.598	0	%100
5	M15	Y	-6.598	-6.598	0	%100
6	M17	Y	-6.598	-6.598	0	%100
7	M25	Y	-6.598	-6.598	0	%100
8	M27	Y	-6.598	-6.598	0	%100
9	M29	Y	-6.598	-6.598	0	%100
10	M37	Y	-10.184	-10.184	0	%100
11	M38	Y	-10.184	-10.184	0	%100
12	M39	Y	-10.184	-10.184	0	%100
13	M40	Y	-7.65	-7.65	0	%100
14	M41	Y	-7.65	-7.65	0	%100
15	M42	Y	-7.65	-7.65	0	%100
16	M43	Y	-7.65	-7.65	0	%100
17	M47	Y	-7.65	-7.65	0	%100
18	M51	Y	-7.65	-7.65	0	%100
19	M55	Y	-6.648	-6.648	0	%100
20	M56	Y	-6.648	-6.648	0	%100
21	M66	Y	-6.648	-6.648	0	%100
22	M67	Y	-6.648	-6.648	0	%100
23	M72	Y	-6.648	-6.648	0	%100
24	M73	Y	-6.648	-6.648	0	%100
25	M78	Y	-6.648	-6.648	0	%100
26	M79	Y	-6.648	-6.648	0	%100
27	M77C	Y	-6.648	-6.648	0	%100
28	M78B	Y	-6.648	-6.648	0	%100
29	M79A	Y	-6.648	-6.648	0	%100
30	M80B	Y	-6.648	-6.648	0	%100
31	MP1A	Y	-5.005	-5.005	0	%100
32	MP2A	Y	-5.005	-5.005	0	%100
33	MP3A	Y	-5.005	-5.005	0	%100
34	MP4A	Y	-5.005	-5.005	0	%100
35	MP1C	Y	-5.005	-5.005	0	%100
36	MP2C	Y	-5.005	-5.005	0	%100
37	MP3C	Y	-5.005	-5.005	0	%100
38	MP4C	Y	-5.005	-5.005	0	%100
39	MP1B	Y	-5.005	-5.005	0	%100
40	MP2B	Y	-5.005	-5.005	0	%100
41	MP3B	Y	-5.005	-5.005	0	%100
42	MP4B	Y	-5.005	-5.005	0	%100
43	M76A	Y	-6.648	-6.648	0	%100
44	M77	Y	-6.648	-6.648	0	%100
45	M78A	Y	-6.648	-6.648	0	%100
46	M79B	Y	-6.648	-6.648	0	%100
47	M80	Y	-6.648	-6.648	0	%100
48	M81	Y	-6.648	-6.648	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-11.843	-11.843	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	-11.843	-11.843	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	-11.663	-11.663	0	%100
7	M13	X	0	0	0	%100



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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3A	X	0	0	0	%100
66	MP3A	Z	-9.913	-9.913	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	-9.913	-9.913	0	%100
69	MP1C	X	0	0	0	%100
70	MP1C	Z	-9.913	-9.913	0	%100
71	MP2C	X	0	0	0	%100
72	MP2C	Z	-9.913	-9.913	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-9.913	-9.913	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	-9.913	-9.913	0	%100
77	MP1B	X	0	0	0	%100
78	MP1B	Z	-9.913	-9.913	0	%100
79	MP2B	X	0	0	0	%100
80	MP2B	Z	-9.913	-9.913	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-9.913	-9.913	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	-9.913	-9.913	0	%100
85	M76A	X	0	0	0	%100
86	M76A	Z	-12.957	-12.957	0	%100
87	M77	X	0	0	0	%100
88	M77	Z	-12.957	-12.957	0	%100
89	M78A	X	0	0	0	%100
90	M78A	Z	-16.567	-16.567	0	%100
91	M79B	X	0	0	0	%100
92	M79B	Z	-8.31	-8.31	0	%100
93	M80	X	0	0	0	%100
94	M80	Z	-8.31	-8.31	0	%100
95	M81	X	0	0	0	%100
96	M81	Z	-16.567	-16.567	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	4.441	4.441	0	%100
2	M1	Z	-7.692	-7.692	0	%100
3	M3	X	4.441	4.441	0	%100
4	M3	Z	-7.692	-7.692	0	%100
5	M5	X	4.374	4.374	0	%100
6	M5	Z	-7.575	-7.575	0	%100
7	M13	X	4.441	4.441	0	%100
8	M13	Z	-7.692	-7.692	0	%100
9	M15	X	4.441	4.441	0	%100
10	M15	Z	-7.692	-7.692	0	%100
11	M17	X	4.374	4.374	0	%100
12	M17	Z	-7.575	-7.575	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	.978	.978	0	%100
20	M37	Z	-1.694	-1.694	0	%100
21	M38	X	0	0	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,%]
22	M38	Z	0	0	0	%100
23	M39	X	.978	.978	0	%100
24	M39	Z	-1.694	-1.694	0	%100
25	M40	X	1.525	1.525	0	%100
26	M40	Z	-2.641	-2.641	0	%100
27	M41	X	1.525	1.525	0	%100
28	M41	Z	-2.641	-2.641	0	%100
29	M42	X	6.099	6.099	0	%100
30	M42	Z	-10.564	-10.564	0	%100
31	M43	X	1.389	1.389	0	%100
32	M43	Z	-2.407	-2.407	0	%100
33	M47	X	1.389	1.389	0	%100
34	M47	Z	-2.407	-2.407	0	%100
35	M51	X	5.558	5.558	0	%100
36	M51	Z	-9.627	-9.627	0	%100
37	M55	X	1.767	1.767	0	%100
38	M55	Z	-3.061	-3.061	0	%100
39	M56	X	1.767	1.767	0	%100
40	M56	Z	-3.061	-3.061	0	%100
41	M66	X	1.746	1.746	0	%100
42	M66	Z	-3.025	-3.025	0	%100
43	M67	X	1.746	1.746	0	%100
44	M67	Z	-3.025	-3.025	0	%100
45	M72	X	1.746	1.746	0	%100
46	M72	Z	-3.025	-3.025	0	%100
47	M73	X	1.746	1.746	0	%100
48	M73	Z	-3.025	-3.025	0	%100
49	M78	X	6.985	6.985	0	%100
50	M78	Z	-12.099	-12.099	0	%100
51	M79	X	6.985	6.985	0	%100
52	M79	Z	-12.099	-12.099	0	%100
53	M77C	X	1.767	1.767	0	%100
54	M77C	Z	-3.061	-3.061	0	%100
55	M78B	X	1.767	1.767	0	%100
56	M78B	Z	-3.061	-3.061	0	%100
57	M79A	X	7.068	7.068	0	%100
58	M79A	Z	-12.243	-12.243	0	%100
59	M80B	X	7.068	7.068	0	%100
60	M80B	Z	-12.243	-12.243	0	%100
61	MP1A	X	4.956	4.956	0	%100
62	MP1A	Z	-8.585	-8.585	0	%100
63	MP2A	X	4.956	4.956	0	%100
64	MP2A	Z	-8.585	-8.585	0	%100
65	MP3A	X	4.956	4.956	0	%100
66	MP3A	Z	-8.585	-8.585	0	%100
67	MP4A	X	4.956	4.956	0	%100
68	MP4A	Z	-8.585	-8.585	0	%100
69	MP1C	X	4.956	4.956	0	%100
70	MP1C	Z	-8.585	-8.585	0	%100
71	MP2C	X	4.956	4.956	0	%100
72	MP2C	Z	-8.585	-8.585	0	%100
73	MP3C	X	4.956	4.956	0	%100
74	MP3C	Z	-8.585	-8.585	0	%100
75	MP4C	X	4.956	4.956	0	%100
76	MP4C	Z	-8.585	-8.585	0	%100
77	MP1B	X	4.956	4.956	0	%100
78	MP1B	Z	-8.585	-8.585	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, %]
79	MP2B	X	4.956	4.956	0	%100
80	MP2B	Z	-8.585	-8.585	0	%100
81	MP3B	X	4.956	4.956	0	%100
82	MP3B	Z	-8.585	-8.585	0	%100
83	MP4B	X	4.956	4.956	0	%100
84	MP4B	Z	-8.585	-8.585	0	%100
85	M76A	X	4.328	4.328	0	%100
86	M76A	Z	-7.495	-7.495	0	%100
87	M77	X	8.456	8.456	0	%100
88	M77	Z	-14.647	-14.647	0	%100
89	M78A	X	8.456	8.456	0	%100
90	M78A	Z	-14.647	-14.647	0	%100
91	M79B	X	4.328	4.328	0	%100
92	M79B	Z	-7.495	-7.495	0	%100
93	M80	X	6.133	6.133	0	%100
94	M80	Z	-10.622	-10.622	0	%100
95	M81	X	6.133	6.133	0	%100
96	M81	Z	-10.622	-10.622	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	2.564	2.564	0	%100
2	M1	Z	-1.48	-1.48	0	%100
3	M3	X	2.564	2.564	0	%100
4	M3	Z	-1.48	-1.48	0	%100
5	M5	X	2.525	2.525	0	%100
6	M5	Z	-1.458	-1.458	0	%100
7	M13	X	10.256	10.256	0	%100
8	M13	Z	-5.921	-5.921	0	%100
9	M15	X	10.256	10.256	0	%100
10	M15	Z	-5.921	-5.921	0	%100
11	M17	X	10.1	10.1	0	%100
12	M17	Z	-5.831	-5.831	0	%100
13	M25	X	2.564	2.564	0	%100
14	M25	Z	-1.48	-1.48	0	%100
15	M27	X	2.564	2.564	0	%100
16	M27	Z	-1.48	-1.48	0	%100
17	M29	X	2.525	2.525	0	%100
18	M29	Z	-1.458	-1.458	0	%100
19	M37	X	2.259	2.259	0	%100
20	M37	Z	-1.304	-1.304	0	%100
21	M38	X	.565	.565	0	%100
22	M38	Z	-.326	-.326	0	%100
23	M39	X	.565	.565	0	%100
24	M39	Z	-.326	-.326	0	%100
25	M40	X	7.923	7.923	0	%100
26	M40	Z	-4.574	-4.574	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	7.923	7.923	0	%100
30	M42	Z	-4.574	-4.574	0	%100
31	M43	X	7.22	7.22	0	%100
32	M43	Z	-4.168	-4.168	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	7.22	7.22	0	%100



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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
36	M51	Z	-4.168	-4.168	0	%100
37	M55	X	9.182	9.182	0	%100
38	M55	Z	-5.301	-5.301	0	%100
39	M56	X	9.182	9.182	0	%100
40	M56	Z	-5.301	-5.301	0	%100
41	M66	X	9.074	9.074	0	%100
42	M66	Z	-5.239	-5.239	0	%100
43	M67	X	9.074	9.074	0	%100
44	M67	Z	-5.239	-5.239	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	0	0	0	%100
49	M78	X	9.074	9.074	0	%100
50	M78	Z	-5.239	-5.239	0	%100
51	M79	X	9.074	9.074	0	%100
52	M79	Z	-5.239	-5.239	0	%100
53	M77C	X	0	0	0	%100
54	M77C	Z	0	0	0	%100
55	M78B	X	0	0	0	%100
56	M78B	Z	0	0	0	%100
57	M79A	X	9.182	9.182	0	%100
58	M79A	Z	-5.301	-5.301	0	%100
59	M80B	X	9.182	9.182	0	%100
60	M80B	Z	-5.301	-5.301	0	%100
61	MP1A	X	8.585	8.585	0	%100
62	MP1A	Z	-4.956	-4.956	0	%100
63	MP2A	X	8.585	8.585	0	%100
64	MP2A	Z	-4.956	-4.956	0	%100
65	MP3A	X	8.585	8.585	0	%100
66	MP3A	Z	-4.956	-4.956	0	%100
67	MP4A	X	8.585	8.585	0	%100
68	MP4A	Z	-4.956	-4.956	0	%100
69	MP1C	X	8.585	8.585	0	%100
70	MP1C	Z	-4.956	-4.956	0	%100
71	MP2C	X	8.585	8.585	0	%100
72	MP2C	Z	-4.956	-4.956	0	%100
73	MP3C	X	8.585	8.585	0	%100
74	MP3C	Z	-4.956	-4.956	0	%100
75	MP4C	X	8.585	8.585	0	%100
76	MP4C	Z	-4.956	-4.956	0	%100
77	MP1B	X	8.585	8.585	0	%100
78	MP1B	Z	-4.956	-4.956	0	%100
79	MP2B	X	8.585	8.585	0	%100
80	MP2B	Z	-4.956	-4.956	0	%100
81	MP3B	X	8.585	8.585	0	%100
82	MP3B	Z	-4.956	-4.956	0	%100
83	MP4B	X	8.585	8.585	0	%100
84	MP4B	Z	-4.956	-4.956	0	%100
85	M76A	X	7.196	7.196	0	%100
86	M76A	Z	-4.155	-4.155	0	%100
87	M77	X	14.348	14.348	0	%100
88	M77	Z	-8.284	-8.284	0	%100
89	M78A	X	11.221	11.221	0	%100
90	M78A	Z	-6.478	-6.478	0	%100
91	M79B	X	11.221	11.221	0	%100
92	M79B	Z	-6.478	-6.478	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.%]
93	M80	X	14.348	14.348	0	%100
94	M80	Z	-8.284	-8.284	0	%100
95	M81	X	7.196	7.196	0	%100
96	M81	Z	-4.155	-4.155	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	8.882	8.882	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	8.882	8.882	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	8.747	8.747	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	8.882	8.882	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	8.882	8.882	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	8.747	8.747	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	1.957	1.957	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	1.957	1.957	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	0	0	0	%100
25	M40	X	12.198	12.198	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	3.049	3.049	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	3.049	3.049	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	11.116	11.116	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	2.779	2.779	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	2.779	2.779	0	%100
36	M51	Z	0	0	0	%100
37	M55	X	14.137	14.137	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	14.137	14.137	0	%100
40	M56	Z	0	0	0	%100
41	M66	X	13.971	13.971	0	%100
42	M66	Z	0	0	0	%100
43	M67	X	13.971	13.971	0	%100
44	M67	Z	0	0	0	%100
45	M72	X	3.493	3.493	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	3.493	3.493	0	%100
48	M73	Z	0	0	0	%100
49	M78	X	3.493	3.493	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,%]
50	M78	Z	0	0	0	%100
51	M79	X	3.493	3.493	0	%100
52	M79	Z	0	0	0	%100
53	M77C	X	3.534	3.534	0	%100
54	M77C	Z	0	0	0	%100
55	M78B	X	3.534	3.534	0	%100
56	M78B	Z	0	0	0	%100
57	M79A	X	3.534	3.534	0	%100
58	M79A	Z	0	0	0	%100
59	M80B	X	3.534	3.534	0	%100
60	M80B	Z	0	0	0	%100
61	MP1A	X	9.913	9.913	0	%100
62	MP1A	Z	0	0	0	%100
63	MP2A	X	9.913	9.913	0	%100
64	MP2A	Z	0	0	0	%100
65	MP3A	X	9.913	9.913	0	%100
66	MP3A	Z	0	0	0	%100
67	MP4A	X	9.913	9.913	0	%100
68	MP4A	Z	0	0	0	%100
69	MP1C	X	9.913	9.913	0	%100
70	MP1C	Z	0	0	0	%100
71	MP2C	X	9.913	9.913	0	%100
72	MP2C	Z	0	0	0	%100
73	MP3C	X	9.913	9.913	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	9.913	9.913	0	%100
76	MP4C	Z	0	0	0	%100
77	MP1B	X	9.913	9.913	0	%100
78	MP1B	Z	0	0	0	%100
79	MP2B	X	9.913	9.913	0	%100
80	MP2B	Z	0	0	0	%100
81	MP3B	X	9.913	9.913	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	9.913	9.913	0	%100
84	MP4B	Z	0	0	0	%100
85	M76A	X	12.266	12.266	0	%100
86	M76A	Z	0	0	0	%100
87	M77	X	12.266	12.266	0	%100
88	M77	Z	0	0	0	%100
89	M78A	X	8.655	8.655	0	%100
90	M78A	Z	0	0	0	%100
91	M79B	X	16.913	16.913	0	%100
92	M79B	Z	0	0	0	%100
93	M80	X	16.913	16.913	0	%100
94	M80	Z	0	0	0	%100
95	M81	X	8.655	8.655	0	%100
96	M81	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	2.564	2.564	0	%100
2	M1	Z	1.48	1.48	0	%100
3	M3	X	2.564	2.564	0	%100
4	M3	Z	1.48	1.48	0	%100
5	M5	X	2.525	2.525	0	%100
6	M5	Z	1.458	1.458	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, %]
7	M13	X	2.564	2.564	0	%100
8	M13	Z	1.48	1.48	0	%100
9	M15	X	2.564	2.564	0	%100
10	M15	Z	1.48	1.48	0	%100
11	M17	X	2.525	2.525	0	%100
12	M17	Z	1.458	1.458	0	%100
13	M25	X	10.256	10.256	0	%100
14	M25	Z	5.921	5.921	0	%100
15	M27	X	10.256	10.256	0	%100
16	M27	Z	5.921	5.921	0	%100
17	M29	X	10.1	10.1	0	%100
18	M29	Z	5.831	5.831	0	%100
19	M37	X	.565	.565	0	%100
20	M37	Z	.326	.326	0	%100
21	M38	X	2.259	2.259	0	%100
22	M38	Z	1.304	1.304	0	%100
23	M39	X	.565	.565	0	%100
24	M39	Z	.326	.326	0	%100
25	M40	X	7.923	7.923	0	%100
26	M40	Z	4.574	4.574	0	%100
27	M41	X	7.923	7.923	0	%100
28	M41	Z	4.574	4.574	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	7.22	7.22	0	%100
32	M43	Z	4.168	4.168	0	%100
33	M47	X	7.22	7.22	0	%100
34	M47	Z	4.168	4.168	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	0	0	0	%100
37	M55	X	9.182	9.182	0	%100
38	M55	Z	5.301	5.301	0	%100
39	M56	X	9.182	9.182	0	%100
40	M56	Z	5.301	5.301	0	%100
41	M66	X	9.074	9.074	0	%100
42	M66	Z	5.239	5.239	0	%100
43	M67	X	9.074	9.074	0	%100
44	M67	Z	5.239	5.239	0	%100
45	M72	X	9.074	9.074	0	%100
46	M72	Z	5.239	5.239	0	%100
47	M73	X	9.074	9.074	0	%100
48	M73	Z	5.239	5.239	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	0	0	0	%100
53	M77C	X	9.182	9.182	0	%100
54	M77C	Z	5.301	5.301	0	%100
55	M78B	X	9.182	9.182	0	%100
56	M78B	Z	5.301	5.301	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M80B	X	0	0	0	%100
60	M80B	Z	0	0	0	%100
61	MP1A	X	8.585	8.585	0	%100
62	MP1A	Z	4.956	4.956	0	%100
63	MP2A	X	8.585	8.585	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,%]
64	MP2A	Z	4.956	4.956	0	%100
65	MP3A	X	8.585	8.585	0	%100
66	MP3A	Z	4.956	4.956	0	%100
67	MP4A	X	8.585	8.585	0	%100
68	MP4A	Z	4.956	4.956	0	%100
69	MP1C	X	8.585	8.585	0	%100
70	MP1C	Z	4.956	4.956	0	%100
71	MP2C	X	8.585	8.585	0	%100
72	MP2C	Z	4.956	4.956	0	%100
73	MP3C	X	8.585	8.585	0	%100
74	MP3C	Z	4.956	4.956	0	%100
75	MP4C	X	8.585	8.585	0	%100
76	MP4C	Z	4.956	4.956	0	%100
77	MP1B	X	8.585	8.585	0	%100
78	MP1B	Z	4.956	4.956	0	%100
79	MP2B	X	8.585	8.585	0	%100
80	MP2B	Z	4.956	4.956	0	%100
81	MP3B	X	8.585	8.585	0	%100
82	MP3B	Z	4.956	4.956	0	%100
83	MP4B	X	8.585	8.585	0	%100
84	MP4B	Z	4.956	4.956	0	%100
85	M76A	X	14.348	14.348	0	%100
86	M76A	Z	8.284	8.284	0	%100
87	M77	X	7.196	7.196	0	%100
88	M77	Z	4.155	4.155	0	%100
89	M78A	X	7.196	7.196	0	%100
90	M78A	Z	4.155	4.155	0	%100
91	M79B	X	14.348	14.348	0	%100
92	M79B	Z	8.284	8.284	0	%100
93	M80	X	11.221	11.221	0	%100
94	M80	Z	6.478	6.478	0	%100
95	M81	X	11.221	11.221	0	%100
96	M81	Z	6.478	6.478	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft.F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.441	4.441	0	%100
2	M1	Z	7.692	7.692	0	%100
3	M3	X	4.441	4.441	0	%100
4	M3	Z	7.692	7.692	0	%100
5	M5	X	4.374	4.374	0	%100
6	M5	Z	7.575	7.575	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	4.441	4.441	0	%100
14	M25	Z	7.692	7.692	0	%100
15	M27	X	4.441	4.441	0	%100
16	M27	Z	7.692	7.692	0	%100
17	M29	X	4.374	4.374	0	%100
18	M29	Z	7.575	7.575	0	%100
19	M37	X	0	0	0	%100
20	M37	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,%]
21	M38	X	.978	.978	0	%100
22	M38	Z	1.694	1.694	0	%100
23	M39	X	.978	.978	0	%100
24	M39	Z	1.694	1.694	0	%100
25	M40	X	1.525	1.525	0	%100
26	M40	Z	2.641	2.641	0	%100
27	M41	X	6.099	6.099	0	%100
28	M41	Z	10.564	10.564	0	%100
29	M42	X	1.525	1.525	0	%100
30	M42	Z	2.641	2.641	0	%100
31	M43	X	1.389	1.389	0	%100
32	M43	Z	2.407	2.407	0	%100
33	M47	X	5.558	5.558	0	%100
34	M47	Z	9.627	9.627	0	%100
35	M51	X	1.389	1.389	0	%100
36	M51	Z	2.407	2.407	0	%100
37	M55	X	1.767	1.767	0	%100
38	M55	Z	3.061	3.061	0	%100
39	M56	X	1.767	1.767	0	%100
40	M56	Z	3.061	3.061	0	%100
41	M66	X	1.746	1.746	0	%100
42	M66	Z	3.025	3.025	0	%100
43	M67	X	1.746	1.746	0	%100
44	M67	Z	3.025	3.025	0	%100
45	M72	X	6.985	6.985	0	%100
46	M72	Z	12.099	12.099	0	%100
47	M73	X	6.985	6.985	0	%100
48	M73	Z	12.099	12.099	0	%100
49	M78	X	1.746	1.746	0	%100
50	M78	Z	3.025	3.025	0	%100
51	M79	X	1.746	1.746	0	%100
52	M79	Z	3.025	3.025	0	%100
53	M77C	X	7.068	7.068	0	%100
54	M77C	Z	12.243	12.243	0	%100
55	M78B	X	7.068	7.068	0	%100
56	M78B	Z	12.243	12.243	0	%100
57	M79A	X	1.767	1.767	0	%100
58	M79A	Z	3.061	3.061	0	%100
59	M80B	X	1.767	1.767	0	%100
60	M80B	Z	3.061	3.061	0	%100
61	MP1A	X	4.956	4.956	0	%100
62	MP1A	Z	8.585	8.585	0	%100
63	MP2A	X	4.956	4.956	0	%100
64	MP2A	Z	8.585	8.585	0	%100
65	MP3A	X	4.956	4.956	0	%100
66	MP3A	Z	8.585	8.585	0	%100
67	MP4A	X	4.956	4.956	0	%100
68	MP4A	Z	8.585	8.585	0	%100
69	MP1C	X	4.956	4.956	0	%100
70	MP1C	Z	8.585	8.585	0	%100
71	MP2C	X	4.956	4.956	0	%100
72	MP2C	Z	8.585	8.585	0	%100
73	MP3C	X	4.956	4.956	0	%100
74	MP3C	Z	8.585	8.585	0	%100
75	MP4C	X	4.956	4.956	0	%100
76	MP4C	Z	8.585	8.585	0	%100
77	MP1B	X	4.956	4.956	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.%]
78	MP1B	Z	8.585	8.585	0	%100
79	MP2B	X	4.956	4.956	0	%100
80	MP2B	Z	8.585	8.585	0	%100
81	MP3B	X	4.956	4.956	0	%100
82	MP3B	Z	8.585	8.585	0	%100
83	MP4B	X	4.956	4.956	0	%100
84	MP4B	Z	8.585	8.585	0	%100
85	M76A	X	8.456	8.456	0	%100
86	M76A	Z	14.647	14.647	0	%100
87	M77	X	4.328	4.328	0	%100
88	M77	Z	7.495	7.495	0	%100
89	M78A	X	6.133	6.133	0	%100
90	M78A	Z	10.622	10.622	0	%100
91	M79B	X	6.133	6.133	0	%100
92	M79B	Z	10.622	10.622	0	%100
93	M80	X	4.328	4.328	0	%100
94	M80	Z	7.495	7.495	0	%100
95	M81	X	8.456	8.456	0	%100
96	M81	Z	14.647	14.647	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	11.843	11.843	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	11.843	11.843	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	11.663	11.663	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	2.961	2.961	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	2.961	2.961	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	2.916	2.916	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	2.961	2.961	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	2.961	2.961	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	2.916	2.916	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	.652	.652	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	.652	.652	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	2.609	2.609	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	9.148	9.148	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	9.148	9.148	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	8.337	8.337	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, %]
35	M51	X	0	0	0	%100
36	M51	Z	8.337	8.337	0	%100
37	M55	X	0	0	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	0	0	0	%100
43	M67	X	0	0	0	%100
44	M67	Z	0	0	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	10.478	10.478	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	10.478	10.478	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	10.478	10.478	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	10.478	10.478	0	%100
53	M77C	X	0	0	0	%100
54	M77C	Z	10.603	10.603	0	%100
55	M78B	X	0	0	0	%100
56	M78B	Z	10.603	10.603	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	10.603	10.603	0	%100
59	M80B	X	0	0	0	%100
60	M80B	Z	10.603	10.603	0	%100
61	MP1A	X	0	0	0	%100
62	MP1A	Z	9.913	9.913	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	9.913	9.913	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	9.913	9.913	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	9.913	9.913	0	%100
69	MP1C	X	0	0	0	%100
70	MP1C	Z	9.913	9.913	0	%100
71	MP2C	X	0	0	0	%100
72	MP2C	Z	9.913	9.913	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	9.913	9.913	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	9.913	9.913	0	%100
77	MP1B	X	0	0	0	%100
78	MP1B	Z	9.913	9.913	0	%100
79	MP2B	X	0	0	0	%100
80	MP2B	Z	9.913	9.913	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	9.913	9.913	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	9.913	9.913	0	%100
85	M76A	X	0	0	0	%100
86	M76A	Z	12.957	12.957	0	%100
87	M77	X	0	0	0	%100
88	M77	Z	12.957	12.957	0	%100
89	M78A	X	0	0	0	%100
90	M78A	Z	16.567	16.567	0	%100
91	M79B	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.%]
92	M79B	Z	8.31	8.31	0	%100
93	M80	X	0	0	0	%100
94	M80	Z	8.31	8.31	0	%100
95	M81	X	0	0	0	%100
96	M81	Z	16.567	16.567	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.441	-4.441	0	%100
2	M1	Z	7.692	7.692	0	%100
3	M3	X	-4.441	-4.441	0	%100
4	M3	Z	7.692	7.692	0	%100
5	M5	X	-4.374	-4.374	0	%100
6	M5	Z	7.575	7.575	0	%100
7	M13	X	-4.441	-4.441	0	%100
8	M13	Z	7.692	7.692	0	%100
9	M15	X	-4.441	-4.441	0	%100
10	M15	Z	7.692	7.692	0	%100
11	M17	X	-4.374	-4.374	0	%100
12	M17	Z	7.575	7.575	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	-0.978	-0.978	0	%100
20	M37	Z	1.694	1.694	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	-0.978	-0.978	0	%100
24	M39	Z	1.694	1.694	0	%100
25	M40	X	-1.525	-1.525	0	%100
26	M40	Z	2.641	2.641	0	%100
27	M41	X	-1.525	-1.525	0	%100
28	M41	Z	2.641	2.641	0	%100
29	M42	X	-6.099	-6.099	0	%100
30	M42	Z	10.564	10.564	0	%100
31	M43	X	-1.389	-1.389	0	%100
32	M43	Z	2.407	2.407	0	%100
33	M47	X	-1.389	-1.389	0	%100
34	M47	Z	2.407	2.407	0	%100
35	M51	X	-5.558	-5.558	0	%100
36	M51	Z	9.627	9.627	0	%100
37	M55	X	-1.767	-1.767	0	%100
38	M55	Z	3.061	3.061	0	%100
39	M56	X	-1.767	-1.767	0	%100
40	M56	Z	3.061	3.061	0	%100
41	M66	X	-1.746	-1.746	0	%100
42	M66	Z	3.025	3.025	0	%100
43	M67	X	-1.746	-1.746	0	%100
44	M67	Z	3.025	3.025	0	%100
45	M72	X	-1.746	-1.746	0	%100
46	M72	Z	3.025	3.025	0	%100
47	M73	X	-1.746	-1.746	0	%100
48	M73	Z	3.025	3.025	0	%100

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

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

	Member Label	Direction	Start Magnitude[magnitude]	End Magnitude[magnitude]	Start Location[deg]	End Location[deg]
1	M1	X	-2.564	-2.564	0	%100
2	M1	Z	1.48	1.48	0	%100
3	M3	X	-2.564	-2.564	0	%100
4	M3	Z	1.48	1.48	0	%100
5	M5	X	-2.525	-2.525	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,%]
63	MP2A	X	-8.585	-8.585	0	%100
64	MP2A	Z	4.956	4.956	0	%100
65	MP3A	X	-8.585	-8.585	0	%100
66	MP3A	Z	4.956	4.956	0	%100
67	MP4A	X	-8.585	-8.585	0	%100
68	MP4A	Z	4.956	4.956	0	%100
69	MP1C	X	-8.585	-8.585	0	%100
70	MP1C	Z	4.956	4.956	0	%100
71	MP2C	X	-8.585	-8.585	0	%100
72	MP2C	Z	4.956	4.956	0	%100
73	MP3C	X	-8.585	-8.585	0	%100
74	MP3C	Z	4.956	4.956	0	%100
75	MP4C	X	-8.585	-8.585	0	%100
76	MP4C	Z	4.956	4.956	0	%100
77	MP1B	X	-8.585	-8.585	0	%100
78	MP1B	Z	4.956	4.956	0	%100
79	MP2B	X	-8.585	-8.585	0	%100
80	MP2B	Z	4.956	4.956	0	%100
81	MP3B	X	-8.585	-8.585	0	%100
82	MP3B	Z	4.956	4.956	0	%100
83	MP4B	X	-8.585	-8.585	0	%100
84	MP4B	Z	4.956	4.956	0	%100
85	M76A	X	-7.196	-7.196	0	%100
86	M76A	Z	4.155	4.155	0	%100
87	M77	X	-14.348	-14.348	0	%100
88	M77	Z	8.284	8.284	0	%100
89	M78A	X	-11.221	-11.221	0	%100
90	M78A	Z	6.478	6.478	0	%100
91	M79B	X	-11.221	-11.221	0	%100
92	M79B	Z	6.478	6.478	0	%100
93	M80	X	-14.348	-14.348	0	%100
94	M80	Z	8.284	8.284	0	%100
95	M81	X	-7.196	-7.196	0	%100
96	M81	Z	4.155	4.155	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	-8.882	-8.882	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	-8.882	-8.882	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	-8.747	-8.747	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-8.882	-8.882	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	-8.882	-8.882	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	-8.747	-8.747	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	-1.957	-1.957	0	%100

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

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, %]
77	MP1B	X	-9.913	-9.913	0	%100
78	MP1B	Z	0	0	0	%100
79	MP2B	X	-9.913	-9.913	0	%100
80	MP2B	Z	0	0	0	%100
81	MP3B	X	-9.913	-9.913	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	-9.913	-9.913	0	%100
84	MP4B	Z	0	0	0	%100
85	M76A	X	-12.266	-12.266	0	%100
86	M76A	Z	0	0	0	%100
87	M77	X	-12.266	-12.266	0	%100
88	M77	Z	0	0	0	%100
89	M78A	X	-8.655	-8.655	0	%100
90	M78A	Z	0	0	0	%100
91	M79B	X	-16.913	-16.913	0	%100
92	M79B	Z	0	0	0	%100
93	M80	X	-16.913	-16.913	0	%100
94	M80	Z	0	0	0	%100
95	M81	X	-8.655	-8.655	0	%100
96	M81	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-2.564	-2.564	0	%100
2	M1	Z	-1.48	-1.48	0	%100
3	M3	X	-2.564	-2.564	0	%100
4	M3	Z	-1.48	-1.48	0	%100
5	M5	X	-2.525	-2.525	0	%100
6	M5	Z	-1.458	-1.458	0	%100
7	M13	X	-2.564	-2.564	0	%100
8	M13	Z	-1.48	-1.48	0	%100
9	M15	X	-2.564	-2.564	0	%100
10	M15	Z	-1.48	-1.48	0	%100
11	M17	X	-2.525	-2.525	0	%100
12	M17	Z	-1.458	-1.458	0	%100
13	M25	X	-10.256	-10.256	0	%100
14	M25	Z	-5.921	-5.921	0	%100
15	M27	X	-10.256	-10.256	0	%100
16	M27	Z	-5.921	-5.921	0	%100
17	M29	X	-10.1	-10.1	0	%100
18	M29	Z	-5.831	-5.831	0	%100
19	M37	X	-.565	-.565	0	%100
20	M37	Z	-.326	-.326	0	%100
21	M38	X	-2.259	-2.259	0	%100
22	M38	Z	-1.304	-1.304	0	%100
23	M39	X	-.565	-.565	0	%100
24	M39	Z	-.326	-.326	0	%100
25	M40	X	-7.923	-7.923	0	%100
26	M40	Z	-4.574	-4.574	0	%100
27	M41	X	-7.923	-7.923	0	%100
28	M41	Z	-4.574	-4.574	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	-7.22	-7.22	0	%100
32	M43	Z	-4.168	-4.168	0	%100
33	M47	X	-7.22	-7.22	0	%100

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

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.%]
91	M79B	X	-14.348	-14.348	0	%100
92	M79B	Z	-8.284	-8.284	0	%100
93	M80	X	-11.221	-11.221	0	%100
94	M80	Z	-6.478	-6.478	0	%100
95	M81	X	-11.221	-11.221	0	%100
96	M81	Z	-6.478	-6.478	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-4.441	-4.441	0	%100
2	M1	Z	-7.692	-7.692	0	%100
3	M3	X	-4.441	-4.441	0	%100
4	M3	Z	-7.692	-7.692	0	%100
5	M5	X	-4.374	-4.374	0	%100
6	M5	Z	-7.575	-7.575	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-4.441	-4.441	0	%100
14	M25	Z	-7.692	-7.692	0	%100
15	M27	X	-4.441	-4.441	0	%100
16	M27	Z	-7.692	-7.692	0	%100
17	M29	X	-4.374	-4.374	0	%100
18	M29	Z	-7.575	-7.575	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	-0.978	-0.978	0	%100
22	M38	Z	-1.694	-1.694	0	%100
23	M39	X	-0.978	-0.978	0	%100
24	M39	Z	-1.694	-1.694	0	%100
25	M40	X	-1.525	-1.525	0	%100
26	M40	Z	-2.641	-2.641	0	%100
27	M41	X	-6.099	-6.099	0	%100
28	M41	Z	-10.564	-10.564	0	%100
29	M42	X	-1.525	-1.525	0	%100
30	M42	Z	-2.641	-2.641	0	%100
31	M43	X	-1.389	-1.389	0	%100
32	M43	Z	-2.407	-2.407	0	%100
33	M47	X	-5.558	-5.558	0	%100
34	M47	Z	-9.627	-9.627	0	%100
35	M51	X	-1.389	-1.389	0	%100
36	M51	Z	-2.407	-2.407	0	%100
37	M55	X	-1.767	-1.767	0	%100
38	M55	Z	-3.061	-3.061	0	%100
39	M56	X	-1.767	-1.767	0	%100
40	M56	Z	-3.061	-3.061	0	%100
41	M66	X	-1.746	-1.746	0	%100
42	M66	Z	-3.025	-3.025	0	%100
43	M67	X	-1.746	-1.746	0	%100
44	M67	Z	-3.025	-3.025	0	%100
45	M72	X	-6.985	-6.985	0	%100
46	M72	Z	-12.099	-12.099	0	%100
47	M73	X	-6.985	-6.985	0	%100

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

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.754	-3.754	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	-3.754	-3.754	0	%100

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

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,%]
62	MP1A	Z	-3.401	-3.401	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	-3.401	-3.401	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	-3.401	-3.401	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	-3.401	-3.401	0	%100
69	MP1C	X	0	0	0	%100
70	MP1C	Z	-3.401	-3.401	0	%100
71	MP2C	X	0	0	0	%100
72	MP2C	Z	-3.401	-3.401	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-3.401	-3.401	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	-3.401	-3.401	0	%100
77	MP1B	X	0	0	0	%100
78	MP1B	Z	-3.401	-3.401	0	%100
79	MP2B	X	0	0	0	%100
80	MP2B	Z	-3.401	-3.401	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-3.401	-3.401	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	-3.401	-3.401	0	%100
85	M76A	X	0	0	0	%100
86	M76A	Z	-3.501	-3.501	0	%100
87	M77	X	0	0	0	%100
88	M77	Z	-3.501	-3.501	0	%100
89	M78A	X	0	0	0	%100
90	M78A	Z	-4.477	-4.477	0	%100
91	M79B	X	0	0	0	%100
92	M79B	Z	-2.245	-2.245	0	%100
93	M80	X	0	0	0	%100
94	M80	Z	-2.245	-2.245	0	%100
95	M81	X	0	0	0	%100
96	M81	Z	-4.477	-4.477	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.408	1.408	0	%100
2	M1	Z	-2.438	-2.438	0	%100
3	M3	X	1.408	1.408	0	%100
4	M3	Z	-2.438	-2.438	0	%100
5	M5	X	1.382	1.382	0	%100
6	M5	Z	-2.395	-2.395	0	%100
7	M13	X	1.408	1.408	0	%100
8	M13	Z	-2.438	-2.438	0	%100
9	M15	X	1.408	1.408	0	%100
10	M15	Z	-2.438	-2.438	0	%100
11	M17	X	1.382	1.382	0	%100
12	M17	Z	-2.395	-2.395	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	0	0	0	%100

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

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,%]
76	MP4C	Z	-2.945	-2.945	0	%100
77	MP1B	X	1.7	1.7	0	%100
78	MP1B	Z	-2.945	-2.945	0	%100
79	MP2B	X	1.7	1.7	0	%100
80	MP2B	Z	-2.945	-2.945	0	%100
81	MP3B	X	1.7	1.7	0	%100
82	MP3B	Z	-2.945	-2.945	0	%100
83	MP4B	X	1.7	1.7	0	%100
84	MP4B	Z	-2.945	-2.945	0	%100
85	M76A	X	1.169	1.169	0	%100
86	M76A	Z	-2.025	-2.025	0	%100
87	M77	X	2.285	2.285	0	%100
88	M77	Z	-3.958	-3.958	0	%100
89	M78A	X	2.285	2.285	0	%100
90	M78A	Z	-3.958	-3.958	0	%100
91	M79B	X	1.169	1.169	0	%100
92	M79B	Z	-2.025	-2.025	0	%100
93	M80	X	1.657	1.657	0	%100
94	M80	Z	-2.87	-2.87	0	%100
95	M81	X	1.657	1.657	0	%100
96	M81	Z	-2.87	-2.87	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.813	.813	0	%100
2	M1	Z	-.469	-.469	0	%100
3	M3	X	.813	.813	0	%100
4	M3	Z	-.469	-.469	0	%100
5	M5	X	.798	.798	0	%100
6	M5	Z	-.461	-.461	0	%100
7	M13	X	3.251	3.251	0	%100
8	M13	Z	-1.877	-1.877	0	%100
9	M15	X	3.251	3.251	0	%100
10	M15	Z	-1.877	-1.877	0	%100
11	M17	X	3.193	3.193	0	%100
12	M17	Z	-1.843	-1.843	0	%100
13	M25	X	.813	.813	0	%100
14	M25	Z	-.469	-.469	0	%100
15	M27	X	.813	.813	0	%100
16	M27	Z	-.469	-.469	0	%100
17	M29	X	.798	.798	0	%100
18	M29	Z	-.461	-.461	0	%100
19	M37	X	1.292	1.292	0	%100
20	M37	Z	-.746	-.746	0	%100
21	M38	X	.323	.323	0	%100
22	M38	Z	-.187	-.187	0	%100
23	M39	X	.323	.323	0	%100
24	M39	Z	-.187	-.187	0	%100
25	M40	X	2.467	2.467	0	%100
26	M40	Z	-1.424	-1.424	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	2.467	2.467	0	%100
30	M42	Z	-1.424	-1.424	0	%100
31	M43	X	2.245	2.245	0	%100
32	M43	Z	-1.296	-1.296	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
90	M78A	Z	-1.75	-1.75	0	%100
91	M79B	X	3.032	3.032	0	%100
92	M79B	Z	-1.75	-1.75	0	%100
93	M80	X	3.877	3.877	0	%100
94	M80	Z	-2.238	-2.238	0	%100
95	M81	X	1.944	1.944	0	%100
96	M81	Z	-1.123	-1.123	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	2.815	2.815	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	2.815	2.815	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	2.765	2.765	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	2.815	2.815	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	2.815	2.815	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	2.765	2.765	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	1.119	1.119	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	1.119	1.119	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	0	0	0	%100
25	M40	X	3.798	3.798	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	.949	.949	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	.949	.949	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	3.456	3.456	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	.864	.864	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	.864	.864	0	%100
36	M51	Z	0	0	0	%100
37	M55	X	3.818	3.818	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	3.818	3.818	0	%100
40	M56	Z	0	0	0	%100
41	M66	X	3.771	3.771	0	%100
42	M66	Z	0	0	0	%100
43	M67	X	3.771	3.771	0	%100
44	M67	Z	0	0	0	%100
45	M72	X	.943	.943	0	%100
46	M72	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
47	M73	X	.943	.943	0	%100
48	M73	Z	0	0	0	%100
49	M78	X	.943	.943	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	.943	.943	0	%100
52	M79	Z	0	0	0	%100
53	M77C	X	.955	.955	0	%100
54	M77C	Z	0	0	0	%100
55	M78B	X	.955	.955	0	%100
56	M78B	Z	0	0	0	%100
57	M79A	X	.955	.955	0	%100
58	M79A	Z	0	0	0	%100
59	M80B	X	.955	.955	0	%100
60	M80B	Z	0	0	0	%100
61	MP1A	X	3.401	3.401	0	%100
62	MP1A	Z	0	0	0	%100
63	MP2A	X	3.401	3.401	0	%100
64	MP2A	Z	0	0	0	%100
65	MP3A	X	3.401	3.401	0	%100
66	MP3A	Z	0	0	0	%100
67	MP4A	X	3.401	3.401	0	%100
68	MP4A	Z	0	0	0	%100
69	MP1C	X	3.401	3.401	0	%100
70	MP1C	Z	0	0	0	%100
71	MP2C	X	3.401	3.401	0	%100
72	MP2C	Z	0	0	0	%100
73	MP3C	X	3.401	3.401	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	3.401	3.401	0	%100
76	MP4C	Z	0	0	0	%100
77	MP1B	X	3.401	3.401	0	%100
78	MP1B	Z	0	0	0	%100
79	MP2B	X	3.401	3.401	0	%100
80	MP2B	Z	0	0	0	%100
81	MP3B	X	3.401	3.401	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	3.401	3.401	0	%100
84	MP4B	Z	0	0	0	%100
85	M76A	X	3.314	3.314	0	%100
86	M76A	Z	0	0	0	%100
87	M77	X	3.314	3.314	0	%100
88	M77	Z	0	0	0	%100
89	M78A	X	2.339	2.339	0	%100
90	M78A	Z	0	0	0	%100
91	M79B	X	4.57	4.57	0	%100
92	M79B	Z	0	0	0	%100
93	M80	X	4.57	4.57	0	%100
94	M80	Z	0	0	0	%100
95	M81	X	2.339	2.339	0	%100
96	M81	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.813	.813	0	%100
2	M1	Z	.469	.469	0	%100
3	M3	X	.813	.813	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
4	M3	Z	.469	.469	0	%100
5	M5	X	.798	.798	0	%100
6	M5	Z	.461	.461	0	%100
7	M13	X	.813	.813	0	%100
8	M13	Z	.469	.469	0	%100
9	M15	X	.813	.813	0	%100
10	M15	Z	.469	.469	0	%100
11	M17	X	.798	.798	0	%100
12	M17	Z	.461	.461	0	%100
13	M25	X	3.251	3.251	0	%100
14	M25	Z	1.877	1.877	0	%100
15	M27	X	3.251	3.251	0	%100
16	M27	Z	1.877	1.877	0	%100
17	M29	X	3.193	3.193	0	%100
18	M29	Z	1.843	1.843	0	%100
19	M37	X	.323	.323	0	%100
20	M37	Z	.187	.187	0	%100
21	M38	X	1.292	1.292	0	%100
22	M38	Z	.746	.746	0	%100
23	M39	X	.323	.323	0	%100
24	M39	Z	.187	.187	0	%100
25	M40	X	2.467	2.467	0	%100
26	M40	Z	1.424	1.424	0	%100
27	M41	X	2.467	2.467	0	%100
28	M41	Z	1.424	1.424	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	2.245	2.245	0	%100
32	M43	Z	1.296	1.296	0	%100
33	M47	X	2.245	2.245	0	%100
34	M47	Z	1.296	1.296	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	0	0	0	%100
37	M55	X	2.48	2.48	0	%100
38	M55	Z	1.432	1.432	0	%100
39	M56	X	2.48	2.48	0	%100
40	M56	Z	1.432	1.432	0	%100
41	M66	X	2.449	2.449	0	%100
42	M66	Z	1.414	1.414	0	%100
43	M67	X	2.449	2.449	0	%100
44	M67	Z	1.414	1.414	0	%100
45	M72	X	2.449	2.449	0	%100
46	M72	Z	1.414	1.414	0	%100
47	M73	X	2.449	2.449	0	%100
48	M73	Z	1.414	1.414	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	0	0	0	%100
53	M77C	X	2.48	2.48	0	%100
54	M77C	Z	1.432	1.432	0	%100
55	M78B	X	2.48	2.48	0	%100
56	M78B	Z	1.432	1.432	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M80B	X	0	0	0	%100
60	M80B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	MP1A	X	2.945	2.945	0	%100
62	MP1A	Z	1.7	1.7	0	%100
63	MP2A	X	2.945	2.945	0	%100
64	MP2A	Z	1.7	1.7	0	%100
65	MP3A	X	2.945	2.945	0	%100
66	MP3A	Z	1.7	1.7	0	%100
67	MP4A	X	2.945	2.945	0	%100
68	MP4A	Z	1.7	1.7	0	%100
69	MP1C	X	2.945	2.945	0	%100
70	MP1C	Z	1.7	1.7	0	%100
71	MP2C	X	2.945	2.945	0	%100
72	MP2C	Z	1.7	1.7	0	%100
73	MP3C	X	2.945	2.945	0	%100
74	MP3C	Z	1.7	1.7	0	%100
75	MP4C	X	2.945	2.945	0	%100
76	MP4C	Z	1.7	1.7	0	%100
77	MP1B	X	2.945	2.945	0	%100
78	MP1B	Z	1.7	1.7	0	%100
79	MP2B	X	2.945	2.945	0	%100
80	MP2B	Z	1.7	1.7	0	%100
81	MP3B	X	2.945	2.945	0	%100
82	MP3B	Z	1.7	1.7	0	%100
83	MP4B	X	2.945	2.945	0	%100
84	MP4B	Z	1.7	1.7	0	%100
85	M76A	X	3.877	3.877	0	%100
86	M76A	Z	2.238	2.238	0	%100
87	M77	X	1.944	1.944	0	%100
88	M77	Z	1.123	1.123	0	%100
89	M78A	X	1.944	1.944	0	%100
90	M78A	Z	1.123	1.123	0	%100
91	M79B	X	3.877	3.877	0	%100
92	M79B	Z	2.238	2.238	0	%100
93	M80	X	3.032	3.032	0	%100
94	M80	Z	1.75	1.75	0	%100
95	M81	X	3.032	3.032	0	%100
96	M81	Z	1.75	1.75	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.408	1.408	0	%100
2	M1	Z	2.438	2.438	0	%100
3	M3	X	1.408	1.408	0	%100
4	M3	Z	2.438	2.438	0	%100
5	M5	X	1.382	1.382	0	%100
6	M5	Z	2.395	2.395	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	1.408	1.408	0	%100
14	M25	Z	2.438	2.438	0	%100
15	M27	X	1.408	1.408	0	%100
16	M27	Z	2.438	2.438	0	%100
17	M29	X	1.382	1.382	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
18	M29	Z	2.395	2.395	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	.56	.56	0	%100
22	M38	Z	.969	.969	0	%100
23	M39	X	.56	.56	0	%100
24	M39	Z	.969	.969	0	%100
25	M40	X	.475	.475	0	%100
26	M40	Z	.822	.822	0	%100
27	M41	X	1.899	1.899	0	%100
28	M41	Z	3.289	3.289	0	%100
29	M42	X	.475	.475	0	%100
30	M42	Z	.822	.822	0	%100
31	M43	X	.432	.432	0	%100
32	M43	Z	.748	.748	0	%100
33	M47	X	1.728	1.728	0	%100
34	M47	Z	2.993	2.993	0	%100
35	M51	X	.432	.432	0	%100
36	M51	Z	.748	.748	0	%100
37	M55	X	.477	.477	0	%100
38	M55	Z	.827	.827	0	%100
39	M56	X	.477	.477	0	%100
40	M56	Z	.827	.827	0	%100
41	M66	X	.471	.471	0	%100
42	M66	Z	.816	.816	0	%100
43	M67	X	.471	.471	0	%100
44	M67	Z	.816	.816	0	%100
45	M72	X	1.885	1.885	0	%100
46	M72	Z	3.265	3.265	0	%100
47	M73	X	1.885	1.885	0	%100
48	M73	Z	3.265	3.265	0	%100
49	M78	X	.471	.471	0	%100
50	M78	Z	.816	.816	0	%100
51	M79	X	.471	.471	0	%100
52	M79	Z	.816	.816	0	%100
53	M77C	X	1.909	1.909	0	%100
54	M77C	Z	3.307	3.307	0	%100
55	M78B	X	1.909	1.909	0	%100
56	M78B	Z	3.307	3.307	0	%100
57	M79A	X	.477	.477	0	%100
58	M79A	Z	.827	.827	0	%100
59	M80B	X	.477	.477	0	%100
60	M80B	Z	.827	.827	0	%100
61	MP1A	X	1.7	1.7	0	%100
62	MP1A	Z	2.945	2.945	0	%100
63	MP2A	X	1.7	1.7	0	%100
64	MP2A	Z	2.945	2.945	0	%100
65	MP3A	X	1.7	1.7	0	%100
66	MP3A	Z	2.945	2.945	0	%100
67	MP4A	X	1.7	1.7	0	%100
68	MP4A	Z	2.945	2.945	0	%100
69	MP1C	X	1.7	1.7	0	%100
70	MP1C	Z	2.945	2.945	0	%100
71	MP2C	X	1.7	1.7	0	%100
72	MP2C	Z	2.945	2.945	0	%100
73	MP3C	X	1.7	1.7	0	%100
74	MP3C	Z	2.945	2.945	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
75	MP4C	X	1.7	1.7	0	%100
76	MP4C	Z	2.945	2.945	0	%100
77	MP1B	X	1.7	1.7	0	%100
78	MP1B	Z	2.945	2.945	0	%100
79	MP2B	X	1.7	1.7	0	%100
80	MP2B	Z	2.945	2.945	0	%100
81	MP3B	X	1.7	1.7	0	%100
82	MP3B	Z	2.945	2.945	0	%100
83	MP4B	X	1.7	1.7	0	%100
84	MP4B	Z	2.945	2.945	0	%100
85	M76A	X	2.285	2.285	0	%100
86	M76A	Z	3.958	3.958	0	%100
87	M77	X	1.169	1.169	0	%100
88	M77	Z	2.025	2.025	0	%100
89	M78A	X	1.657	1.657	0	%100
90	M78A	Z	2.87	2.87	0	%100
91	M79B	X	1.657	1.657	0	%100
92	M79B	Z	2.87	2.87	0	%100
93	M80	X	1.169	1.169	0	%100
94	M80	Z	2.025	2.025	0	%100
95	M81	X	2.285	2.285	0	%100
96	M81	Z	3.958	3.958	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	3.754	3.754	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	3.754	3.754	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	3.687	3.687	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	.938	.938	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	.938	.938	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	.922	.922	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	.938	.938	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	.938	.938	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	.922	.922	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	.373	.373	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	.373	.373	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	1.492	1.492	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	2.848	2.848	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	2.848	2.848	0	%100
31	M43	X	0	0	0	%100



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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, %]
89	M78A	X	0	0	0	%100
90	M78A	Z	4.477	4.477	0	%100
91	M79B	X	0	0	0	%100
92	M79B	Z	2.245	2.245	0	%100
93	M80	X	0	0	0	%100
94	M80	Z	2.245	2.245	0	%100
95	M81	X	0	0	0	%100
96	M81	Z	4.477	4.477	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.408	-1.408	0	%100
2	M1	Z	2.438	2.438	0	%100
3	M3	X	-1.408	-1.408	0	%100
4	M3	Z	2.438	2.438	0	%100
5	M5	X	-1.382	-1.382	0	%100
6	M5	Z	2.395	2.395	0	%100
7	M13	X	-1.408	-1.408	0	%100
8	M13	Z	2.438	2.438	0	%100
9	M15	X	-1.408	-1.408	0	%100
10	M15	Z	2.438	2.438	0	%100
11	M17	X	-1.382	-1.382	0	%100
12	M17	Z	2.395	2.395	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	-.56	-.56	0	%100
20	M37	Z	.969	.969	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	-.56	-.56	0	%100
24	M39	Z	.969	.969	0	%100
25	M40	X	-.475	-.475	0	%100
26	M40	Z	.822	.822	0	%100
27	M41	X	-.475	-.475	0	%100
28	M41	Z	.822	.822	0	%100
29	M42	X	-1.899	-1.899	0	%100
30	M42	Z	3.289	3.289	0	%100
31	M43	X	-.432	-.432	0	%100
32	M43	Z	.748	.748	0	%100
33	M47	X	-.432	-.432	0	%100
34	M47	Z	.748	.748	0	%100
35	M51	X	-1.728	-1.728	0	%100
36	M51	Z	2.993	2.993	0	%100
37	M55	X	-.477	-.477	0	%100
38	M55	Z	.827	.827	0	%100
39	M56	X	-.477	-.477	0	%100
40	M56	Z	.827	.827	0	%100
41	M66	X	-.471	-.471	0	%100
42	M66	Z	.816	.816	0	%100
43	M67	X	-.471	-.471	0	%100
44	M67	Z	.816	.816	0	%100
45	M72	X	-.471	-.471	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft,%]	End Location[ft,%]
46	M72	Z	.816	.816	0	%100
47	M73	X	-.471	-.471	0	%100
48	M73	Z	.816	.816	0	%100
49	M78	X	-1.885	-1.885	0	%100
50	M78	Z	3.265	3.265	0	%100
51	M79	X	-1.885	-1.885	0	%100
52	M79	Z	3.265	3.265	0	%100
53	M77C	X	-.477	-.477	0	%100
54	M77C	Z	.827	.827	0	%100
55	M78B	X	-.477	-.477	0	%100
56	M78B	Z	.827	.827	0	%100
57	M79A	X	-1.909	-1.909	0	%100
58	M79A	Z	3.307	3.307	0	%100
59	M80B	X	-1.909	-1.909	0	%100
60	M80B	Z	3.307	3.307	0	%100
61	MP1A	X	-1.7	-1.7	0	%100
62	MP1A	Z	2.945	2.945	0	%100
63	MP2A	X	-1.7	-1.7	0	%100
64	MP2A	Z	2.945	2.945	0	%100
65	MP3A	X	-1.7	-1.7	0	%100
66	MP3A	Z	2.945	2.945	0	%100
67	MP4A	X	-1.7	-1.7	0	%100
68	MP4A	Z	2.945	2.945	0	%100
69	MP1C	X	-1.7	-1.7	0	%100
70	MP1C	Z	2.945	2.945	0	%100
71	MP2C	X	-1.7	-1.7	0	%100
72	MP2C	Z	2.945	2.945	0	%100
73	MP3C	X	-1.7	-1.7	0	%100
74	MP3C	Z	2.945	2.945	0	%100
75	MP4C	X	-1.7	-1.7	0	%100
76	MP4C	Z	2.945	2.945	0	%100
77	MP1B	X	-1.7	-1.7	0	%100
78	MP1B	Z	2.945	2.945	0	%100
79	MP2B	X	-1.7	-1.7	0	%100
80	MP2B	Z	2.945	2.945	0	%100
81	MP3B	X	-1.7	-1.7	0	%100
82	MP3B	Z	2.945	2.945	0	%100
83	MP4B	X	-1.7	-1.7	0	%100
84	MP4B	Z	2.945	2.945	0	%100
85	M76A	X	-1.169	-1.169	0	%100
86	M76A	Z	2.025	2.025	0	%100
87	M77	X	-2.285	-2.285	0	%100
88	M77	Z	3.958	3.958	0	%100
89	M78A	X	-2.285	-2.285	0	%100
90	M78A	Z	3.958	3.958	0	%100
91	M79B	X	-1.169	-1.169	0	%100
92	M79B	Z	2.025	2.025	0	%100
93	M80	X	-1.657	-1.657	0	%100
94	M80	Z	2.87	2.87	0	%100
95	M81	X	-1.657	-1.657	0	%100
96	M81	Z	2.87	2.87	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-813	-813	0	%100
2	M1	Z	469	469	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
3	M3	X	-.813	-.813	0	%100
4	M3	Z	.469	.469	0	%100
5	M5	X	-.798	-.798	0	%100
6	M5	Z	.461	.461	0	%100
7	M13	X	-3.251	-3.251	0	%100
8	M13	Z	1.877	1.877	0	%100
9	M15	X	-3.251	-3.251	0	%100
10	M15	Z	1.877	1.877	0	%100
11	M17	X	-3.193	-3.193	0	%100
12	M17	Z	1.843	1.843	0	%100
13	M25	X	-.813	-.813	0	%100
14	M25	Z	.469	.469	0	%100
15	M27	X	-.813	-.813	0	%100
16	M27	Z	.469	.469	0	%100
17	M29	X	-.798	-.798	0	%100
18	M29	Z	.461	.461	0	%100
19	M37	X	-1.292	-1.292	0	%100
20	M37	Z	.746	.746	0	%100
21	M38	X	-.323	-.323	0	%100
22	M38	Z	.187	.187	0	%100
23	M39	X	-.323	-.323	0	%100
24	M39	Z	.187	.187	0	%100
25	M40	X	-2.467	-2.467	0	%100
26	M40	Z	1.424	1.424	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-2.467	-2.467	0	%100
30	M42	Z	1.424	1.424	0	%100
31	M43	X	-2.245	-2.245	0	%100
32	M43	Z	1.296	1.296	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	-2.245	-2.245	0	%100
36	M51	Z	1.296	1.296	0	%100
37	M55	X	-2.48	-2.48	0	%100
38	M55	Z	1.432	1.432	0	%100
39	M56	X	-2.48	-2.48	0	%100
40	M56	Z	1.432	1.432	0	%100
41	M66	X	-2.449	-2.449	0	%100
42	M66	Z	1.414	1.414	0	%100
43	M67	X	-2.449	-2.449	0	%100
44	M67	Z	1.414	1.414	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	0	0	0	%100
49	M78	X	-2.449	-2.449	0	%100
50	M78	Z	1.414	1.414	0	%100
51	M79	X	-2.449	-2.449	0	%100
52	M79	Z	1.414	1.414	0	%100
53	M77C	X	0	0	0	%100
54	M77C	Z	0	0	0	%100
55	M78B	X	0	0	0	%100
56	M78B	Z	0	0	0	%100
57	M79A	X	-2.48	-2.48	0	%100
58	M79A	Z	1.432	1.432	0	%100
59	M80B	X	-2.48	-2.48	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,F...]	Start Location[ft,%]	End Location[ft,%]
60	M80B	Z	1.432	1.432	0	%100
61	MP1A	X	-2.945	-2.945	0	%100
62	MP1A	Z	1.7	1.7	0	%100
63	MP2A	X	-2.945	-2.945	0	%100
64	MP2A	Z	1.7	1.7	0	%100
65	MP3A	X	-2.945	-2.945	0	%100
66	MP3A	Z	1.7	1.7	0	%100
67	MP4A	X	-2.945	-2.945	0	%100
68	MP4A	Z	1.7	1.7	0	%100
69	MP1C	X	-2.945	-2.945	0	%100
70	MP1C	Z	1.7	1.7	0	%100
71	MP2C	X	-2.945	-2.945	0	%100
72	MP2C	Z	1.7	1.7	0	%100
73	MP3C	X	-2.945	-2.945	0	%100
74	MP3C	Z	1.7	1.7	0	%100
75	MP4C	X	-2.945	-2.945	0	%100
76	MP4C	Z	1.7	1.7	0	%100
77	MP1B	X	-2.945	-2.945	0	%100
78	MP1B	Z	1.7	1.7	0	%100
79	MP2B	X	-2.945	-2.945	0	%100
80	MP2B	Z	1.7	1.7	0	%100
81	MP3B	X	-2.945	-2.945	0	%100
82	MP3B	Z	1.7	1.7	0	%100
83	MP4B	X	-2.945	-2.945	0	%100
84	MP4B	Z	1.7	1.7	0	%100
85	M76A	X	-1.944	-1.944	0	%100
86	M76A	Z	1.123	1.123	0	%100
87	M77	X	-3.877	-3.877	0	%100
88	M77	Z	2.238	2.238	0	%100
89	M78A	X	-3.032	-3.032	0	%100
90	M78A	Z	1.75	1.75	0	%100
91	M79B	X	-3.032	-3.032	0	%100
92	M79B	Z	1.75	1.75	0	%100
93	M80	X	-3.877	-3.877	0	%100
94	M80	Z	2.238	2.238	0	%100
95	M81	X	-1.944	-1.944	0	%100
96	M81	Z	1.123	1.123	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	-2.815	-2.815	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	-2.815	-2.815	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	-2.765	-2.765	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-2.815	-2.815	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	-2.815	-2.815	0	%100
16	M27	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M29	X	-2.765	-2.765	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	-1.119	-1.119	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	-1.119	-1.119	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	0	0	0	%100
25	M40	X	-3.798	-3.798	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	-.949	-.949	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-.949	-.949	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	-3.456	-3.456	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	-.864	-.864	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	-.864	-.864	0	%100
36	M51	Z	0	0	0	%100
37	M55	X	-3.818	-3.818	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	-3.818	-3.818	0	%100
40	M56	Z	0	0	0	%100
41	M66	X	-3.771	-3.771	0	%100
42	M66	Z	0	0	0	%100
43	M67	X	-3.771	-3.771	0	%100
44	M67	Z	0	0	0	%100
45	M72	X	-.943	-.943	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	-.943	-.943	0	%100
48	M73	Z	0	0	0	%100
49	M78	X	-.943	-.943	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	-.943	-.943	0	%100
52	M79	Z	0	0	0	%100
53	M77C	X	-.955	-.955	0	%100
54	M77C	Z	0	0	0	%100
55	M78B	X	-.955	-.955	0	%100
56	M78B	Z	0	0	0	%100
57	M79A	X	-.955	-.955	0	%100
58	M79A	Z	0	0	0	%100
59	M80B	X	-.955	-.955	0	%100
60	M80B	Z	0	0	0	%100
61	MP1A	X	-3.401	-3.401	0	%100
62	MP1A	Z	0	0	0	%100
63	MP2A	X	-3.401	-3.401	0	%100
64	MP2A	Z	0	0	0	%100
65	MP3A	X	-3.401	-3.401	0	%100
66	MP3A	Z	0	0	0	%100
67	MP4A	X	-3.401	-3.401	0	%100
68	MP4A	Z	0	0	0	%100
69	MP1C	X	-3.401	-3.401	0	%100
70	MP1C	Z	0	0	0	%100
71	MP2C	X	-3.401	-3.401	0	%100
72	MP2C	Z	0	0	0	%100
73	MP3C	X	-3.401	-3.401	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
74	MP3C	Z	0	0	0	%100
75	MP4C	X	-3.401	-3.401	0	%100
76	MP4C	Z	0	0	0	%100
77	MP1B	X	-3.401	-3.401	0	%100
78	MP1B	Z	0	0	0	%100
79	MP2B	X	-3.401	-3.401	0	%100
80	MP2B	Z	0	0	0	%100
81	MP3B	X	-3.401	-3.401	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	-3.401	-3.401	0	%100
84	MP4B	Z	0	0	0	%100
85	M76A	X	-3.314	-3.314	0	%100
86	M76A	Z	0	0	0	%100
87	M77	X	-3.314	-3.314	0	%100
88	M77	Z	0	0	0	%100
89	M78A	X	-2.339	-2.339	0	%100
90	M78A	Z	0	0	0	%100
91	M79B	X	-4.57	-4.57	0	%100
92	M79B	Z	0	0	0	%100
93	M80	X	-4.57	-4.57	0	%100
94	M80	Z	0	0	0	%100
95	M81	X	-2.339	-2.339	0	%100
96	M81	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-813	-813	0	%100
2	M1	Z	-469	-469	0	%100
3	M3	X	-813	-813	0	%100
4	M3	Z	-469	-469	0	%100
5	M5	X	-798	-798	0	%100
6	M5	Z	-461	-461	0	%100
7	M13	X	-813	-813	0	%100
8	M13	Z	-469	-469	0	%100
9	M15	X	-813	-813	0	%100
10	M15	Z	-469	-469	0	%100
11	M17	X	-798	-798	0	%100
12	M17	Z	-461	-461	0	%100
13	M25	X	-3.251	-3.251	0	%100
14	M25	Z	-1.877	-1.877	0	%100
15	M27	X	-3.251	-3.251	0	%100
16	M27	Z	-1.877	-1.877	0	%100
17	M29	X	-3.193	-3.193	0	%100
18	M29	Z	-1.843	-1.843	0	%100
19	M37	X	-323	-323	0	%100
20	M37	Z	-187	-187	0	%100
21	M38	X	-1.292	-1.292	0	%100
22	M38	Z	-746	-746	0	%100
23	M39	X	-323	-323	0	%100
24	M39	Z	-187	-187	0	%100
25	M40	X	-2.467	-2.467	0	%100
26	M40	Z	-1.424	-1.424	0	%100
27	M41	X	-2.467	-2.467	0	%100
28	M41	Z	-1.424	-1.424	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100



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

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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,%]
88	M77	Z	-1.123	-1.123	0	%100
89	M78A	X	-1.944	-1.944	0	%100
90	M78A	Z	-1.123	-1.123	0	%100
91	M79B	X	-3.877	-3.877	0	%100
92	M79B	Z	-2.238	-2.238	0	%100
93	M80	X	-3.032	-3.032	0	%100
94	M80	Z	-1.75	-1.75	0	%100
95	M81	X	-3.032	-3.032	0	%100
96	M81	Z	-1.75	-1.75	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.408	-1.408	0	%100
2	M1	Z	-2.438	-2.438	0	%100
3	M3	X	-1.408	-1.408	0	%100
4	M3	Z	-2.438	-2.438	0	%100
5	M5	X	-1.382	-1.382	0	%100
6	M5	Z	-2.395	-2.395	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-1.408	-1.408	0	%100
14	M25	Z	-2.438	-2.438	0	%100
15	M27	X	-1.408	-1.408	0	%100
16	M27	Z	-2.438	-2.438	0	%100
17	M29	X	-1.382	-1.382	0	%100
18	M29	Z	-2.395	-2.395	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	-.56	-.56	0	%100
22	M38	Z	-.969	-.969	0	%100
23	M39	X	-.56	-.56	0	%100
24	M39	Z	-.969	-.969	0	%100
25	M40	X	-.475	-.475	0	%100
26	M40	Z	-.822	-.822	0	%100
27	M41	X	-1.899	-1.899	0	%100
28	M41	Z	-3.289	-3.289	0	%100
29	M42	X	-.475	-.475	0	%100
30	M42	Z	-.822	-.822	0	%100
31	M43	X	-.432	-.432	0	%100
32	M43	Z	-.748	-.748	0	%100
33	M47	X	-1.728	-1.728	0	%100
34	M47	Z	-2.993	-2.993	0	%100
35	M51	X	-.432	-.432	0	%100
36	M51	Z	-.748	-.748	0	%100
37	M55	X	-.477	-.477	0	%100
38	M55	Z	-.827	-.827	0	%100
39	M56	X	-.477	-.477	0	%100
40	M56	Z	-.827	-.827	0	%100
41	M66	X	-.471	-.471	0	%100
42	M66	Z	-.816	-.816	0	%100
43	M67	X	-.471	-.471	0	%100
44	M67	Z	-.816	-.816	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
45	M72	X	-1.885	-1.885	0	%100
46	M72	Z	-3.265	-3.265	0	%100
47	M73	X	-1.885	-1.885	0	%100
48	M73	Z	-3.265	-3.265	0	%100
49	M78	X	-.471	-.471	0	%100
50	M78	Z	-.816	-.816	0	%100
51	M79	X	-.471	-.471	0	%100
52	M79	Z	-.816	-.816	0	%100
53	M77C	X	-1.909	-1.909	0	%100
54	M77C	Z	-3.307	-3.307	0	%100
55	M78B	X	-1.909	-1.909	0	%100
56	M78B	Z	-3.307	-3.307	0	%100
57	M79A	X	-.477	-.477	0	%100
58	M79A	Z	-.827	-.827	0	%100
59	M80B	X	-.477	-.477	0	%100
60	M80B	Z	-.827	-.827	0	%100
61	MP1A	X	-1.7	-1.7	0	%100
62	MP1A	Z	-2.945	-2.945	0	%100
63	MP2A	X	-1.7	-1.7	0	%100
64	MP2A	Z	-2.945	-2.945	0	%100
65	MP3A	X	-1.7	-1.7	0	%100
66	MP3A	Z	-2.945	-2.945	0	%100
67	MP4A	X	-1.7	-1.7	0	%100
68	MP4A	Z	-2.945	-2.945	0	%100
69	MP1C	X	-1.7	-1.7	0	%100
70	MP1C	Z	-2.945	-2.945	0	%100
71	MP2C	X	-1.7	-1.7	0	%100
72	MP2C	Z	-2.945	-2.945	0	%100
73	MP3C	X	-1.7	-1.7	0	%100
74	MP3C	Z	-2.945	-2.945	0	%100
75	MP4C	X	-1.7	-1.7	0	%100
76	MP4C	Z	-2.945	-2.945	0	%100
77	MP1B	X	-1.7	-1.7	0	%100
78	MP1B	Z	-2.945	-2.945	0	%100
79	MP2B	X	-1.7	-1.7	0	%100
80	MP2B	Z	-2.945	-2.945	0	%100
81	MP3B	X	-1.7	-1.7	0	%100
82	MP3B	Z	-2.945	-2.945	0	%100
83	MP4B	X	-1.7	-1.7	0	%100
84	MP4B	Z	-2.945	-2.945	0	%100
85	M76A	X	-2.285	-2.285	0	%100
86	M76A	Z	-3.958	-3.958	0	%100
87	M77	X	-1.169	-1.169	0	%100
88	M77	Z	-2.025	-2.025	0	%100
89	M78A	X	-1.657	-1.657	0	%100
90	M78A	Z	-2.87	-2.87	0	%100
91	M79B	X	-1.657	-1.657	0	%100
92	M79B	Z	-2.87	-2.87	0	%100
93	M80	X	-1.169	-1.169	0	%100
94	M80	Z	-2.025	-2.025	0	%100
95	M81	X	-2.285	-2.285	0	%100
96	M81	Z	-3.958	-3.958	0	%100

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

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



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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
2	M1	Z	-.74	-.74	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	-.74	-.74	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	-.729	-.729	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	-.185	-.185	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	-.185	-.185	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-.182	-.182	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	-.185	-.185	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	-.185	-.185	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	-.182	-.182	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	-.041	-.041	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	-.041	-.041	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	-.163	-.163	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	-.572	-.572	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	-.572	-.572	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	-.521	-.521	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	-.521	-.521	0	%100
37	M55	X	0	0	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	0	0	0	%100
43	M67	X	0	0	0	%100
44	M67	Z	0	0	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	-.655	-.655	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	-.655	-.655	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	-.655	-.655	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	-.655	-.655	0	%100
53	M77C	X	0	0	0	%100
54	M77C	Z	-.663	-.663	0	%100
55	M78B	X	0	0	0	%100
56	M78B	Z	-.663	-.663	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	-.663	-.663	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
59	M80B	X	0	0	0	%100
60	M80B	Z	-.663	-.663	0	%100
61	MP1A	X	0	0	0	%100
62	MP1A	Z	-.62	-.62	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	-.62	-.62	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	-.62	-.62	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	-.62	-.62	0	%100
69	MP1C	X	0	0	0	%100
70	MP1C	Z	-.62	-.62	0	%100
71	MP2C	X	0	0	0	%100
72	MP2C	Z	-.62	-.62	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-.62	-.62	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	-.62	-.62	0	%100
77	MP1B	X	0	0	0	%100
78	MP1B	Z	-.62	-.62	0	%100
79	MP2B	X	0	0	0	%100
80	MP2B	Z	-.62	-.62	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-.62	-.62	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	-.62	-.62	0	%100
85	M76A	X	0	0	0	%100
86	M76A	Z	-.81	-.81	0	%100
87	M77	X	0	0	0	%100
88	M77	Z	-.81	-.81	0	%100
89	M78A	X	0	0	0	%100
90	M78A	Z	-1.035	-1.035	0	%100
91	M79B	X	0	0	0	%100
92	M79B	Z	-.519	-.519	0	%100
93	M80	X	0	0	0	%100
94	M80	Z	-.519	-.519	0	%100
95	M81	X	0	0	0	%100
96	M81	Z	-1.035	-1.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.278	.278	0	%100
2	M1	Z	-.481	-.481	0	%100
3	M3	X	.278	.278	0	%100
4	M3	Z	-.481	-.481	0	%100
5	M5	X	.273	.273	0	%100
6	M5	Z	-.473	-.473	0	%100
7	M13	X	.278	.278	0	%100
8	M13	Z	-.481	-.481	0	%100
9	M15	X	.278	.278	0	%100
10	M15	Z	-.481	-.481	0	%100
11	M17	X	.273	.273	0	%100
12	M17	Z	-.473	-.473	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100



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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	.061	.061	0	%100
20	M37	Z	-.106	-.106	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	.061	.061	0	%100
24	M39	Z	-.106	-.106	0	%100
25	M40	X	.095	.095	0	%100
26	M40	Z	-.165	-.165	0	%100
27	M41	X	.095	.095	0	%100
28	M41	Z	-.165	-.165	0	%100
29	M42	X	.381	.381	0	%100
30	M42	Z	-.66	-.66	0	%100
31	M43	X	.087	.087	0	%100
32	M43	Z	-.15	-.15	0	%100
33	M47	X	.087	.087	0	%100
34	M47	Z	-.15	-.15	0	%100
35	M51	X	.347	.347	0	%100
36	M51	Z	-.602	-.602	0	%100
37	M55	X	.11	.11	0	%100
38	M55	Z	-.191	-.191	0	%100
39	M56	X	.11	.11	0	%100
40	M56	Z	-.191	-.191	0	%100
41	M66	X	.109	.109	0	%100
42	M66	Z	-.189	-.189	0	%100
43	M67	X	.109	.109	0	%100
44	M67	Z	-.189	-.189	0	%100
45	M72	X	.109	.109	0	%100
46	M72	Z	-.189	-.189	0	%100
47	M73	X	.109	.109	0	%100
48	M73	Z	-.189	-.189	0	%100
49	M78	X	.437	.437	0	%100
50	M78	Z	-.756	-.756	0	%100
51	M79	X	.437	.437	0	%100
52	M79	Z	-.756	-.756	0	%100
53	M77C	X	.11	.11	0	%100
54	M77C	Z	-.191	-.191	0	%100
55	M78B	X	.11	.11	0	%100
56	M78B	Z	-.191	-.191	0	%100
57	M79A	X	.442	.442	0	%100
58	M79A	Z	-.765	-.765	0	%100
59	M80B	X	.442	.442	0	%100
60	M80B	Z	-.765	-.765	0	%100
61	MP1A	X	.31	.31	0	%100
62	MP1A	Z	-.537	-.537	0	%100
63	MP2A	X	.31	.31	0	%100
64	MP2A	Z	-.537	-.537	0	%100
65	MP3A	X	.31	.31	0	%100
66	MP3A	Z	-.537	-.537	0	%100
67	MP4A	X	.31	.31	0	%100
68	MP4A	Z	-.537	-.537	0	%100
69	MP1C	X	.31	.31	0	%100
70	MP1C	Z	-.537	-.537	0	%100
71	MP2C	X	.31	.31	0	%100
72	MP2C	Z	-.537	-.537	0	%100

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

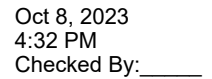
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
73	MP3C	X	.31	.31	0	%100
74	MP3C	Z	-.537	-.537	0	%100
75	MP4C	X	.31	.31	0	%100
76	MP4C	Z	-.537	-.537	0	%100
77	MP1B	X	.31	.31	0	%100
78	MP1B	Z	-.537	-.537	0	%100
79	MP2B	X	.31	.31	0	%100
80	MP2B	Z	-.537	-.537	0	%100
81	MP3B	X	.31	.31	0	%100
82	MP3B	Z	-.537	-.537	0	%100
83	MP4B	X	.31	.31	0	%100
84	MP4B	Z	-.537	-.537	0	%100
85	M76A	X	.27	.27	0	%100
86	M76A	Z	-.468	-.468	0	%100
87	M77	X	.529	.529	0	%100
88	M77	Z	-.915	-.915	0	%100
89	M78A	X	.529	.529	0	%100
90	M78A	Z	-.915	-.915	0	%100
91	M79B	X	.27	.27	0	%100
92	M79B	Z	-.468	-.468	0	%100
93	M80	X	.383	.383	0	%100
94	M80	Z	-.664	-.664	0	%100
95	M81	X	.383	.383	0	%100
96	M81	Z	-.664	-.664	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.16	.16	0	%100
2	M1	Z	-.093	-.093	0	%100
3	M3	X	.16	.16	0	%100
4	M3	Z	-.093	-.093	0	%100
5	M5	X	.158	.158	0	%100
6	M5	Z	-.091	-.091	0	%100
7	M13	X	.641	.641	0	%100
8	M13	Z	-.37	-.37	0	%100
9	M15	X	.641	.641	0	%100
10	M15	Z	-.37	-.37	0	%100
11	M17	X	.631	.631	0	%100
12	M17	Z	-.364	-.364	0	%100
13	M25	X	.16	.16	0	%100
14	M25	Z	-.093	-.093	0	%100
15	M27	X	.16	.16	0	%100
16	M27	Z	-.093	-.093	0	%100
17	M29	X	.158	.158	0	%100
18	M29	Z	-.091	-.091	0	%100
19	M37	X	.141	.141	0	%100
20	M37	Z	-.082	-.082	0	%100
21	M38	X	.035	.035	0	%100
22	M38	Z	-.02	-.02	0	%100
23	M39	X	.035	.035	0	%100
24	M39	Z	-.02	-.02	0	%100
25	M40	X	.495	.495	0	%100
26	M40	Z	-.286	-.286	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	.495	.495	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
30	M42	Z	-.286	-.286	0	%100
31	M43	X	.451	.451	0	%100
32	M43	Z	-.261	-.261	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	.451	.451	0	%100
36	M51	Z	-.261	-.261	0	%100
37	M55	X	.574	.574	0	%100
38	M55	Z	-.331	-.331	0	%100
39	M56	X	.574	.574	0	%100
40	M56	Z	-.331	-.331	0	%100
41	M66	X	.567	.567	0	%100
42	M66	Z	-.327	-.327	0	%100
43	M67	X	.567	.567	0	%100
44	M67	Z	-.327	-.327	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	0	0	0	%100
49	M78	X	.567	.567	0	%100
50	M78	Z	-.327	-.327	0	%100
51	M79	X	.567	.567	0	%100
52	M79	Z	-.327	-.327	0	%100
53	M77C	X	0	0	0	%100
54	M77C	Z	0	0	0	%100
55	M78B	X	0	0	0	%100
56	M78B	Z	0	0	0	%100
57	M79A	X	.574	.574	0	%100
58	M79A	Z	-.331	-.331	0	%100
59	M80B	X	.574	.574	0	%100
60	M80B	Z	-.331	-.331	0	%100
61	MP1A	X	.537	.537	0	%100
62	MP1A	Z	-.31	-.31	0	%100
63	MP2A	X	.537	.537	0	%100
64	MP2A	Z	-.31	-.31	0	%100
65	MP3A	X	.537	.537	0	%100
66	MP3A	Z	-.31	-.31	0	%100
67	MP4A	X	.537	.537	0	%100
68	MP4A	Z	-.31	-.31	0	%100
69	MP1C	X	.537	.537	0	%100
70	MP1C	Z	-.31	-.31	0	%100
71	MP2C	X	.537	.537	0	%100
72	MP2C	Z	-.31	-.31	0	%100
73	MP3C	X	.537	.537	0	%100
74	MP3C	Z	-.31	-.31	0	%100
75	MP4C	X	.537	.537	0	%100
76	MP4C	Z	-.31	-.31	0	%100
77	MP1B	X	.537	.537	0	%100
78	MP1B	Z	-.31	-.31	0	%100
79	MP2B	X	.537	.537	0	%100
80	MP2B	Z	-.31	-.31	0	%100
81	MP3B	X	.537	.537	0	%100
82	MP3B	Z	-.31	-.31	0	%100
83	MP4B	X	.537	.537	0	%100
84	MP4B	Z	-.31	-.31	0	%100
85	M76A	X	.45	.45	0	%100
86	M76A	Z	-.26	-.26	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	M77	X	.897	.897	0	%100
88	M77	Z	-.518	-.518	0	%100
89	M78A	X	.701	.701	0	%100
90	M78A	Z	-.405	-.405	0	%100
91	M79B	X	.701	.701	0	%100
92	M79B	Z	-.405	-.405	0	%100
93	M80	X	.897	.897	0	%100
94	M80	Z	-.518	-.518	0	%100
95	M81	X	.45	.45	0	%100
96	M81	Z	-.26	-.26	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	.555	.555	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	.555	.555	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	.547	.547	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	.555	.555	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	.555	.555	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	.547	.547	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	.122	.122	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	.122	.122	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	0	0	0	%100
25	M40	X	.762	.762	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	.191	.191	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	.191	.191	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	.695	.695	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	.174	.174	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	.174	.174	0	%100
36	M51	Z	0	0	0	%100
37	M55	X	.884	.884	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	.884	.884	0	%100
40	M56	Z	0	0	0	%100
41	M66	X	.873	.873	0	%100
42	M66	Z	0	0	0	%100
43	M67	X	.873	.873	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
44	M67	Z	0	0	0	%100
45	M72	X	.218	.218	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	.218	.218	0	%100
48	M73	Z	0	0	0	%100
49	M78	X	.218	.218	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	.218	.218	0	%100
52	M79	Z	0	0	0	%100
53	M77C	X	.221	.221	0	%100
54	M77C	Z	0	0	0	%100
55	M78B	X	.221	.221	0	%100
56	M78B	Z	0	0	0	%100
57	M79A	X	.221	.221	0	%100
58	M79A	Z	0	0	0	%100
59	M80B	X	.221	.221	0	%100
60	M80B	Z	0	0	0	%100
61	MP1A	X	.62	.62	0	%100
62	MP1A	Z	0	0	0	%100
63	MP2A	X	.62	.62	0	%100
64	MP2A	Z	0	0	0	%100
65	MP3A	X	.62	.62	0	%100
66	MP3A	Z	0	0	0	%100
67	MP4A	X	.62	.62	0	%100
68	MP4A	Z	0	0	0	%100
69	MP1C	X	.62	.62	0	%100
70	MP1C	Z	0	0	0	%100
71	MP2C	X	.62	.62	0	%100
72	MP2C	Z	0	0	0	%100
73	MP3C	X	.62	.62	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	.62	.62	0	%100
76	MP4C	Z	0	0	0	%100
77	MP1B	X	.62	.62	0	%100
78	MP1B	Z	0	0	0	%100
79	MP2B	X	.62	.62	0	%100
80	MP2B	Z	0	0	0	%100
81	MP3B	X	.62	.62	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	.62	.62	0	%100
84	MP4B	Z	0	0	0	%100
85	M76A	X	.767	.767	0	%100
86	M76A	Z	0	0	0	%100
87	M77	X	.767	.767	0	%100
88	M77	Z	0	0	0	%100
89	M78A	X	.541	.541	0	%100
90	M78A	Z	0	0	0	%100
91	M79B	X	1.057	1.057	0	%100
92	M79B	Z	0	0	0	%100
93	M80	X	1.057	1.057	0	%100
94	M80	Z	0	0	0	%100
95	M81	X	.541	.541	0	%100
96	M81	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
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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, %]
1	M1	X	.16	.16	0	%100
2	M1	Z	.093	.093	0	%100
3	M3	X	.16	.16	0	%100
4	M3	Z	.093	.093	0	%100
5	M5	X	.158	.158	0	%100
6	M5	Z	.091	.091	0	%100
7	M13	X	.16	.16	0	%100
8	M13	Z	.093	.093	0	%100
9	M15	X	.16	.16	0	%100
10	M15	Z	.093	.093	0	%100
11	M17	X	.158	.158	0	%100
12	M17	Z	.091	.091	0	%100
13	M25	X	.641	.641	0	%100
14	M25	Z	.37	.37	0	%100
15	M27	X	.641	.641	0	%100
16	M27	Z	.37	.37	0	%100
17	M29	X	.631	.631	0	%100
18	M29	Z	.364	.364	0	%100
19	M37	X	.035	.035	0	%100
20	M37	Z	.02	.02	0	%100
21	M38	X	.141	.141	0	%100
22	M38	Z	.082	.082	0	%100
23	M39	X	.035	.035	0	%100
24	M39	Z	.02	.02	0	%100
25	M40	X	.495	.495	0	%100
26	M40	Z	.286	.286	0	%100
27	M41	X	.495	.495	0	%100
28	M41	Z	.286	.286	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	.451	.451	0	%100
32	M43	Z	.261	.261	0	%100
33	M47	X	.451	.451	0	%100
34	M47	Z	.261	.261	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	0	0	0	%100
37	M55	X	.574	.574	0	%100
38	M55	Z	.331	.331	0	%100
39	M56	X	.574	.574	0	%100
40	M56	Z	.331	.331	0	%100
41	M66	X	.567	.567	0	%100
42	M66	Z	.327	.327	0	%100
43	M67	X	.567	.567	0	%100
44	M67	Z	.327	.327	0	%100
45	M72	X	.567	.567	0	%100
46	M72	Z	.327	.327	0	%100
47	M73	X	.567	.567	0	%100
48	M73	Z	.327	.327	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	0	0	0	%100
53	M77C	X	.574	.574	0	%100
54	M77C	Z	.331	.331	0	%100
55	M78B	X	.574	.574	0	%100
56	M78B	Z	.331	.331	0	%100
57	M79A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	M79A	Z	0	0	0	%100
59	M80B	X	0	0	0	%100
60	M80B	Z	0	0	0	%100
61	MP1A	X	.537	.537	0	%100
62	MP1A	Z	.31	.31	0	%100
63	MP2A	X	.537	.537	0	%100
64	MP2A	Z	.31	.31	0	%100
65	MP3A	X	.537	.537	0	%100
66	MP3A	Z	.31	.31	0	%100
67	MP4A	X	.537	.537	0	%100
68	MP4A	Z	.31	.31	0	%100
69	MP1C	X	.537	.537	0	%100
70	MP1C	Z	.31	.31	0	%100
71	MP2C	X	.537	.537	0	%100
72	MP2C	Z	.31	.31	0	%100
73	MP3C	X	.537	.537	0	%100
74	MP3C	Z	.31	.31	0	%100
75	MP4C	X	.537	.537	0	%100
76	MP4C	Z	.31	.31	0	%100
77	MP1B	X	.537	.537	0	%100
78	MP1B	Z	.31	.31	0	%100
79	MP2B	X	.537	.537	0	%100
80	MP2B	Z	.31	.31	0	%100
81	MP3B	X	.537	.537	0	%100
82	MP3B	Z	.31	.31	0	%100
83	MP4B	X	.537	.537	0	%100
84	MP4B	Z	.31	.31	0	%100
85	M76A	X	.897	.897	0	%100
86	M76A	Z	.518	.518	0	%100
87	M77	X	.45	.45	0	%100
88	M77	Z	.26	.26	0	%100
89	M78A	X	.45	.45	0	%100
90	M78A	Z	.26	.26	0	%100
91	M79B	X	.897	.897	0	%100
92	M79B	Z	.518	.518	0	%100
93	M80	X	.701	.701	0	%100
94	M80	Z	.405	.405	0	%100
95	M81	X	.701	.701	0	%100
96	M81	Z	.405	.405	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.278	.278	0	%100
2	M1	Z	.481	.481	0	%100
3	M3	X	.278	.278	0	%100
4	M3	Z	.481	.481	0	%100
5	M5	X	.273	.273	0	%100
6	M5	Z	.473	.473	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	.278	.278	0	%100
14	M25	Z	.481	.481	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, %]
15	M27	X	.278	.278	0	%100
16	M27	Z	.481	.481	0	%100
17	M29	X	.273	.273	0	%100
18	M29	Z	.473	.473	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	.061	.061	0	%100
22	M38	Z	.106	.106	0	%100
23	M39	X	.061	.061	0	%100
24	M39	Z	.106	.106	0	%100
25	M40	X	.095	.095	0	%100
26	M40	Z	.165	.165	0	%100
27	M41	X	.381	.381	0	%100
28	M41	Z	.66	.66	0	%100
29	M42	X	.095	.095	0	%100
30	M42	Z	.165	.165	0	%100
31	M43	X	.087	.087	0	%100
32	M43	Z	.15	.15	0	%100
33	M47	X	.347	.347	0	%100
34	M47	Z	.602	.602	0	%100
35	M51	X	.087	.087	0	%100
36	M51	Z	.15	.15	0	%100
37	M55	X	.11	.11	0	%100
38	M55	Z	.191	.191	0	%100
39	M56	X	.11	.11	0	%100
40	M56	Z	.191	.191	0	%100
41	M66	X	.109	.109	0	%100
42	M66	Z	.189	.189	0	%100
43	M67	X	.109	.109	0	%100
44	M67	Z	.189	.189	0	%100
45	M72	X	.437	.437	0	%100
46	M72	Z	.756	.756	0	%100
47	M73	X	.437	.437	0	%100
48	M73	Z	.756	.756	0	%100
49	M78	X	.109	.109	0	%100
50	M78	Z	.189	.189	0	%100
51	M79	X	.109	.109	0	%100
52	M79	Z	.189	.189	0	%100
53	M77C	X	.442	.442	0	%100
54	M77C	Z	.765	.765	0	%100
55	M78B	X	.442	.442	0	%100
56	M78B	Z	.765	.765	0	%100
57	M79A	X	.11	.11	0	%100
58	M79A	Z	.191	.191	0	%100
59	M80B	X	.11	.11	0	%100
60	M80B	Z	.191	.191	0	%100
61	MP1A	X	.31	.31	0	%100
62	MP1A	Z	.537	.537	0	%100
63	MP2A	X	.31	.31	0	%100
64	MP2A	Z	.537	.537	0	%100
65	MP3A	X	.31	.31	0	%100
66	MP3A	Z	.537	.537	0	%100
67	MP4A	X	.31	.31	0	%100
68	MP4A	Z	.537	.537	0	%100
69	MP1C	X	.31	.31	0	%100
70	MP1C	Z	.537	.537	0	%100
71	MP2C	X	.31	.31	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,%]
72	MP2C	Z	.537	.537	0	%100
73	MP3C	X	.31	.31	0	%100
74	MP3C	Z	.537	.537	0	%100
75	MP4C	X	.31	.31	0	%100
76	MP4C	Z	.537	.537	0	%100
77	MP1B	X	.31	.31	0	%100
78	MP1B	Z	.537	.537	0	%100
79	MP2B	X	.31	.31	0	%100
80	MP2B	Z	.537	.537	0	%100
81	MP3B	X	.31	.31	0	%100
82	MP3B	Z	.537	.537	0	%100
83	MP4B	X	.31	.31	0	%100
84	MP4B	Z	.537	.537	0	%100
85	M76A	X	.529	.529	0	%100
86	M76A	Z	.915	.915	0	%100
87	M77	X	.27	.27	0	%100
88	M77	Z	.468	.468	0	%100
89	M78A	X	.383	.383	0	%100
90	M78A	Z	.664	.664	0	%100
91	M79B	X	.383	.383	0	%100
92	M79B	Z	.664	.664	0	%100
93	M80	X	.27	.27	0	%100
94	M80	Z	.468	.468	0	%100
95	M81	X	.529	.529	0	%100
96	M81	Z	.915	.915	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	.74	.74	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	.74	.74	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	.729	.729	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	.185	.185	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	.185	.185	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	.182	.182	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	.185	.185	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	.185	.185	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	.182	.182	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	.041	.041	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	.041	.041	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	.163	.163	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	.572	.572	0	%100



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	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft.F...	Start Location[ft. %]	End Location[ft. %]
29	M42	X	0	0	0	%100
30	M42	Z	.572	.572	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	.521	.521	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	.521	.521	0	%100
37	M55	X	0	0	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	0	0	0	%100
43	M67	X	0	0	0	%100
44	M67	Z	0	0	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	.655	.655	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	.655	.655	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	.655	.655	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	.655	.655	0	%100
53	M77C	X	0	0	0	%100
54	M77C	Z	.663	.663	0	%100
55	M78B	X	0	0	0	%100
56	M78B	Z	.663	.663	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	.663	.663	0	%100
59	M80B	X	0	0	0	%100
60	M80B	Z	.663	.663	0	%100
61	MP1A	X	0	0	0	%100
62	MP1A	Z	.62	.62	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	.62	.62	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	.62	.62	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	.62	.62	0	%100
69	MP1C	X	0	0	0	%100
70	MP1C	Z	.62	.62	0	%100
71	MP2C	X	0	0	0	%100
72	MP2C	Z	.62	.62	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	.62	.62	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	.62	.62	0	%100
77	MP1B	X	0	0	0	%100
78	MP1B	Z	.62	.62	0	%100
79	MP2B	X	0	0	0	%100
80	MP2B	Z	.62	.62	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	.62	.62	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	.62	.62	0	%100
85	M76A	X	0	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.%,]
86	M76A	Z	.81	.81	0	%100
87	M77	X	0	0	0	%100
88	M77	Z	.81	.81	0	%100
89	M78A	X	0	0	0	%100
90	M78A	Z	1.035	1.035	0	%100
91	M79B	X	0	0	0	%100
92	M79B	Z	.519	.519	0	%100
93	M80	X	0	0	0	%100
94	M80	Z	.519	.519	0	%100
95	M81	X	0	0	0	%100
96	M81	Z	1.035	1.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-.278	-.278	0	%100
2	M1	Z	.481	.481	0	%100
3	M3	X	-.278	-.278	0	%100
4	M3	Z	.481	.481	0	%100
5	M5	X	-.273	-.273	0	%100
6	M5	Z	.473	.473	0	%100
7	M13	X	-.278	-.278	0	%100
8	M13	Z	.481	.481	0	%100
9	M15	X	-.278	-.278	0	%100
10	M15	Z	.481	.481	0	%100
11	M17	X	-.273	-.273	0	%100
12	M17	Z	.473	.473	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	-.061	-.061	0	%100
20	M37	Z	.106	.106	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	-.061	-.061	0	%100
24	M39	Z	.106	.106	0	%100
25	M40	X	-.095	-.095	0	%100
26	M40	Z	.165	.165	0	%100
27	M41	X	-.095	-.095	0	%100
28	M41	Z	.165	.165	0	%100
29	M42	X	-.381	-.381	0	%100
30	M42	Z	.66	.66	0	%100
31	M43	X	-.087	-.087	0	%100
32	M43	Z	.15	.15	0	%100
33	M47	X	-.087	-.087	0	%100
34	M47	Z	.15	.15	0	%100
35	M51	X	-.347	-.347	0	%100
36	M51	Z	.602	.602	0	%100
37	M55	X	-.11	-.11	0	%100
38	M55	Z	.191	.191	0	%100
39	M56	X	-.11	-.11	0	%100
40	M56	Z	.191	.191	0	%100
41	M66	X	-.109	-.109	0	%100
42	M66	Z	.189	.189	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,%]
43	M67	X	-.109	-.109	0	%100
44	M67	Z	.189	.189	0	%100
45	M72	X	-.109	-.109	0	%100
46	M72	Z	.189	.189	0	%100
47	M73	X	-.109	-.109	0	%100
48	M73	Z	.189	.189	0	%100
49	M78	X	-.437	-.437	0	%100
50	M78	Z	.756	.756	0	%100
51	M79	X	-.437	-.437	0	%100
52	M79	Z	.756	.756	0	%100
53	M77C	X	-.11	-.11	0	%100
54	M77C	Z	.191	.191	0	%100
55	M78B	X	-.11	-.11	0	%100
56	M78B	Z	.191	.191	0	%100
57	M79A	X	-.442	-.442	0	%100
58	M79A	Z	.765	.765	0	%100
59	M80B	X	-.442	-.442	0	%100
60	M80B	Z	.765	.765	0	%100
61	MP1A	X	-.31	-.31	0	%100
62	MP1A	Z	.537	.537	0	%100
63	MP2A	X	-.31	-.31	0	%100
64	MP2A	Z	.537	.537	0	%100
65	MP3A	X	-.31	-.31	0	%100
66	MP3A	Z	.537	.537	0	%100
67	MP4A	X	-.31	-.31	0	%100
68	MP4A	Z	.537	.537	0	%100
69	MP1C	X	-.31	-.31	0	%100
70	MP1C	Z	.537	.537	0	%100
71	MP2C	X	-.31	-.31	0	%100
72	MP2C	Z	.537	.537	0	%100
73	MP3C	X	-.31	-.31	0	%100
74	MP3C	Z	.537	.537	0	%100
75	MP4C	X	-.31	-.31	0	%100
76	MP4C	Z	.537	.537	0	%100
77	MP1B	X	-.31	-.31	0	%100
78	MP1B	Z	.537	.537	0	%100
79	MP2B	X	-.31	-.31	0	%100
80	MP2B	Z	.537	.537	0	%100
81	MP3B	X	-.31	-.31	0	%100
82	MP3B	Z	.537	.537	0	%100
83	MP4B	X	-.31	-.31	0	%100
84	MP4B	Z	.537	.537	0	%100
85	M76A	X	-.27	-.27	0	%100
86	M76A	Z	.468	.468	0	%100
87	M77	X	-.529	-.529	0	%100
88	M77	Z	.915	.915	0	%100
89	M78A	X	-.529	-.529	0	%100
90	M78A	Z	.915	.915	0	%100
91	M79B	X	-.27	-.27	0	%100
92	M79B	Z	.468	.468	0	%100
93	M80	X	-.383	-.383	0	%100
94	M80	Z	.664	.664	0	%100
95	M81	X	-.383	-.383	0	%100
96	M81	Z	.664	.664	0	%100

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

Member Label	Direction	Start Magnitude [lb/ft]	End Magnitude [lb/ft]	Start Location [ft %]	End Location [ft %]
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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.16	-.16	0	%100
2	M1	Z	.093	.093	0	%100
3	M3	X	-.16	-.16	0	%100
4	M3	Z	.093	.093	0	%100
5	M5	X	-.158	-.158	0	%100
6	M5	Z	.091	.091	0	%100
7	M13	X	-.641	-.641	0	%100
8	M13	Z	.37	.37	0	%100
9	M15	X	-.641	-.641	0	%100
10	M15	Z	.37	.37	0	%100
11	M17	X	-.631	-.631	0	%100
12	M17	Z	.364	.364	0	%100
13	M25	X	-.16	-.16	0	%100
14	M25	Z	.093	.093	0	%100
15	M27	X	-.16	-.16	0	%100
16	M27	Z	.093	.093	0	%100
17	M29	X	-.158	-.158	0	%100
18	M29	Z	.091	.091	0	%100
19	M37	X	-.141	-.141	0	%100
20	M37	Z	.082	.082	0	%100
21	M38	X	-.035	-.035	0	%100
22	M38	Z	.02	.02	0	%100
23	M39	X	-.035	-.035	0	%100
24	M39	Z	.02	.02	0	%100
25	M40	X	-.495	-.495	0	%100
26	M40	Z	.286	.286	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-.495	-.495	0	%100
30	M42	Z	.286	.286	0	%100
31	M43	X	-.451	-.451	0	%100
32	M43	Z	.261	.261	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	-.451	-.451	0	%100
36	M51	Z	.261	.261	0	%100
37	M55	X	-.574	-.574	0	%100
38	M55	Z	.331	.331	0	%100
39	M56	X	-.574	-.574	0	%100
40	M56	Z	.331	.331	0	%100
41	M66	X	-.567	-.567	0	%100
42	M66	Z	.327	.327	0	%100
43	M67	X	-.567	-.567	0	%100
44	M67	Z	.327	.327	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	0	0	0	%100
49	M78	X	-.567	-.567	0	%100
50	M78	Z	.327	.327	0	%100
51	M79	X	-.567	-.567	0	%100
52	M79	Z	.327	.327	0	%100
53	M77C	X	0	0	0	%100
54	M77C	Z	0	0	0	%100
55	M78B	X	0	0	0	%100
56	M78B	Z	0	0	0	%100
57	M79A	X	-.574	-.574	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft. %]	End Location[ft. %]
58	M79A	Z	.331	.331	0	%100
59	M80B	X	-.574	-.574	0	%100
60	M80B	Z	.331	.331	0	%100
61	MP1A	X	-.537	-.537	0	%100
62	MP1A	Z	.31	.31	0	%100
63	MP2A	X	-.537	-.537	0	%100
64	MP2A	Z	.31	.31	0	%100
65	MP3A	X	-.537	-.537	0	%100
66	MP3A	Z	.31	.31	0	%100
67	MP4A	X	-.537	-.537	0	%100
68	MP4A	Z	.31	.31	0	%100
69	MP1C	X	-.537	-.537	0	%100
70	MP1C	Z	.31	.31	0	%100
71	MP2C	X	-.537	-.537	0	%100
72	MP2C	Z	.31	.31	0	%100
73	MP3C	X	-.537	-.537	0	%100
74	MP3C	Z	.31	.31	0	%100
75	MP4C	X	-.537	-.537	0	%100
76	MP4C	Z	.31	.31	0	%100
77	MP1B	X	-.537	-.537	0	%100
78	MP1B	Z	.31	.31	0	%100
79	MP2B	X	-.537	-.537	0	%100
80	MP2B	Z	.31	.31	0	%100
81	MP3B	X	-.537	-.537	0	%100
82	MP3B	Z	.31	.31	0	%100
83	MP4B	X	-.537	-.537	0	%100
84	MP4B	Z	.31	.31	0	%100
85	M76A	X	-.45	-.45	0	%100
86	M76A	Z	.26	.26	0	%100
87	M77	X	-.897	-.897	0	%100
88	M77	Z	.518	.518	0	%100
89	M78A	X	-.701	-.701	0	%100
90	M78A	Z	.405	.405	0	%100
91	M79B	X	-.701	-.701	0	%100
92	M79B	Z	.405	.405	0	%100
93	M80	X	-.897	-.897	0	%100
94	M80	Z	.518	.518	0	%100
95	M81	X	-.45	-.45	0	%100
96	M81	Z	.26	.26	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft. %]	End Location[ft. %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	-.555	-.555	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	-.555	-.555	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	-.547	-.547	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-.555	-.555	0	%100
14	M25	Z	0	0	0	%100

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, %]
15	M27	X	-.555	-.555	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	-.547	-.547	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	-.122	-.122	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	-.122	-.122	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	0	0	0	%100
25	M40	X	-.762	-.762	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	-.191	-.191	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-.191	-.191	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	-.695	-.695	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	-.174	-.174	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	-.174	-.174	0	%100
36	M51	Z	0	0	0	%100
37	M55	X	-.884	-.884	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	-.884	-.884	0	%100
40	M56	Z	0	0	0	%100
41	M66	X	-.873	-.873	0	%100
42	M66	Z	0	0	0	%100
43	M67	X	-.873	-.873	0	%100
44	M67	Z	0	0	0	%100
45	M72	X	-.218	-.218	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	-.218	-.218	0	%100
48	M73	Z	0	0	0	%100
49	M78	X	-.218	-.218	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	-.218	-.218	0	%100
52	M79	Z	0	0	0	%100
53	M77C	X	-.221	-.221	0	%100
54	M77C	Z	0	0	0	%100
55	M78B	X	-.221	-.221	0	%100
56	M78B	Z	0	0	0	%100
57	M79A	X	-.221	-.221	0	%100
58	M79A	Z	0	0	0	%100
59	M80B	X	-.221	-.221	0	%100
60	M80B	Z	0	0	0	%100
61	MP1A	X	-.62	-.62	0	%100
62	MP1A	Z	0	0	0	%100
63	MP2A	X	-.62	-.62	0	%100
64	MP2A	Z	0	0	0	%100
65	MP3A	X	-.62	-.62	0	%100
66	MP3A	Z	0	0	0	%100
67	MP4A	X	-.62	-.62	0	%100
68	MP4A	Z	0	0	0	%100
69	MP1C	X	-.62	-.62	0	%100
70	MP1C	Z	0	0	0	%100
71	MP2C	X	-.62	-.62	0	%100

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,%]
72	MP2C	Z	0	0	0	%100
73	MP3C	X	-.62	-.62	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	-.62	-.62	0	%100
76	MP4C	Z	0	0	0	%100
77	MP1B	X	-.62	-.62	0	%100
78	MP1B	Z	0	0	0	%100
79	MP2B	X	-.62	-.62	0	%100
80	MP2B	Z	0	0	0	%100
81	MP3B	X	-.62	-.62	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	-.62	-.62	0	%100
84	MP4B	Z	0	0	0	%100
85	M76A	X	-.767	-.767	0	%100
86	M76A	Z	0	0	0	%100
87	M77	X	-.767	-.767	0	%100
88	M77	Z	0	0	0	%100
89	M78A	X	-.541	-.541	0	%100
90	M78A	Z	0	0	0	%100
91	M79B	X	-1.057	-1.057	0	%100
92	M79B	Z	0	0	0	%100
93	M80	X	-1.057	-1.057	0	%100
94	M80	Z	0	0	0	%100
95	M81	X	-.541	-.541	0	%100
96	M81	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.16	-.16	0	%100
2	M1	Z	-.093	-.093	0	%100
3	M3	X	-.16	-.16	0	%100
4	M3	Z	-.093	-.093	0	%100
5	M5	X	-.158	-.158	0	%100
6	M5	Z	-.091	-.091	0	%100
7	M13	X	-.16	-.16	0	%100
8	M13	Z	-.093	-.093	0	%100
9	M15	X	-.16	-.16	0	%100
10	M15	Z	-.093	-.093	0	%100
11	M17	X	-.158	-.158	0	%100
12	M17	Z	-.091	-.091	0	%100
13	M25	X	-.641	-.641	0	%100
14	M25	Z	-.37	-.37	0	%100
15	M27	X	-.641	-.641	0	%100
16	M27	Z	-.37	-.37	0	%100
17	M29	X	-.631	-.631	0	%100
18	M29	Z	-.364	-.364	0	%100
19	M37	X	-.035	-.035	0	%100
20	M37	Z	-.02	-.02	0	%100
21	M38	X	-.141	-.141	0	%100
22	M38	Z	-.082	-.082	0	%100
23	M39	X	-.035	-.035	0	%100
24	M39	Z	-.02	-.02	0	%100
25	M40	X	-.495	-.495	0	%100
26	M40	Z	-.286	-.286	0	%100
27	M41	X	-.495	-.495	0	%100
28	M41	Z	-.286	-.286	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	-451	-451	0	%100
32	M43	Z	-261	-261	0	%100
33	M47	X	-451	-451	0	%100
34	M47	Z	-261	-261	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	0	0	0	%100
37	M55	X	-574	-574	0	%100
38	M55	Z	-331	-331	0	%100
39	M56	X	-574	-574	0	%100
40	M56	Z	-331	-331	0	%100
41	M66	X	-567	-567	0	%100
42	M66	Z	-327	-327	0	%100
43	M67	X	-567	-567	0	%100
44	M67	Z	-327	-327	0	%100
45	M72	X	-567	-567	0	%100
46	M72	Z	-327	-327	0	%100
47	M73	X	-567	-567	0	%100
48	M73	Z	-327	-327	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	0	0	0	%100
53	M77C	X	-574	-574	0	%100
54	M77C	Z	-331	-331	0	%100
55	M78B	X	-574	-574	0	%100
56	M78B	Z	-331	-331	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M80B	X	0	0	0	%100
60	M80B	Z	0	0	0	%100
61	MP1A	X	-537	-537	0	%100
62	MP1A	Z	-.31	-.31	0	%100
63	MP2A	X	-537	-537	0	%100
64	MP2A	Z	-.31	-.31	0	%100
65	MP3A	X	-537	-537	0	%100
66	MP3A	Z	-.31	-.31	0	%100
67	MP4A	X	-537	-537	0	%100
68	MP4A	Z	-.31	-.31	0	%100
69	MP1C	X	-537	-537	0	%100
70	MP1C	Z	-.31	-.31	0	%100
71	MP2C	X	-537	-537	0	%100
72	MP2C	Z	-.31	-.31	0	%100
73	MP3C	X	-537	-537	0	%100
74	MP3C	Z	-.31	-.31	0	%100
75	MP4C	X	-537	-537	0	%100
76	MP4C	Z	-.31	-.31	0	%100
77	MP1B	X	-537	-537	0	%100
78	MP1B	Z	-.31	-.31	0	%100
79	MP2B	X	-537	-537	0	%100
80	MP2B	Z	-.31	-.31	0	%100
81	MP3B	X	-537	-537	0	%100
82	MP3B	Z	-.31	-.31	0	%100
83	MP4B	X	-537	-537	0	%100
84	MP4B	Z	-.31	-.31	0	%100
85	M76A	X	-897	-897	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
86	M76A	Z	-.518	-.518	0	%100
87	M77	X	-.45	-.45	0	%100
88	M77	Z	-.26	-.26	0	%100
89	M78A	X	-.45	-.45	0	%100
90	M78A	Z	-.26	-.26	0	%100
91	M79B	X	-.897	-.897	0	%100
92	M79B	Z	-.518	-.518	0	%100
93	M80	X	-.701	-.701	0	%100
94	M80	Z	-.405	-.405	0	%100
95	M81	X	-.701	-.701	0	%100
96	M81	Z	-.405	-.405	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-.278	-.278	0	%100
2	M1	Z	-.481	-.481	0	%100
3	M3	X	-.278	-.278	0	%100
4	M3	Z	-.481	-.481	0	%100
5	M5	X	-.273	-.273	0	%100
6	M5	Z	-.473	-.473	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-.278	-.278	0	%100
14	M25	Z	-.481	-.481	0	%100
15	M27	X	-.278	-.278	0	%100
16	M27	Z	-.481	-.481	0	%100
17	M29	X	-.273	-.273	0	%100
18	M29	Z	-.473	-.473	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	-.061	-.061	0	%100
22	M38	Z	-.106	-.106	0	%100
23	M39	X	-.061	-.061	0	%100
24	M39	Z	-.106	-.106	0	%100
25	M40	X	-.095	-.095	0	%100
26	M40	Z	-.165	-.165	0	%100
27	M41	X	-.381	-.381	0	%100
28	M41	Z	-.66	-.66	0	%100
29	M42	X	-.095	-.095	0	%100
30	M42	Z	-.165	-.165	0	%100
31	M43	X	-.087	-.087	0	%100
32	M43	Z	-.15	-.15	0	%100
33	M47	X	-.347	-.347	0	%100
34	M47	Z	-.602	-.602	0	%100
35	M51	X	-.087	-.087	0	%100
36	M51	Z	-.15	-.15	0	%100
37	M55	X	-.11	-.11	0	%100
38	M55	Z	-.191	-.191	0	%100
39	M56	X	-.11	-.11	0	%100
40	M56	Z	-.191	-.191	0	%100
41	M66	X	-.109	-.109	0	%100
42	M66	Z	-.189	-.189	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, %]
43	M67	X	-109	-109	0	%100
44	M67	Z	-189	-189	0	%100
45	M72	X	-437	-437	0	%100
46	M72	Z	-756	-756	0	%100
47	M73	X	-437	-437	0	%100
48	M73	Z	-756	-756	0	%100
49	M78	X	-109	-109	0	%100
50	M78	Z	-189	-189	0	%100
51	M79	X	-109	-109	0	%100
52	M79	Z	-189	-189	0	%100
53	M77C	X	-442	-442	0	%100
54	M77C	Z	-765	-765	0	%100
55	M78B	X	-442	-442	0	%100
56	M78B	Z	-765	-765	0	%100
57	M79A	X	-11	-11	0	%100
58	M79A	Z	-191	-191	0	%100
59	M80B	X	-11	-11	0	%100
60	M80B	Z	-191	-191	0	%100
61	MP1A	X	-31	-31	0	%100
62	MP1A	Z	-537	-537	0	%100
63	MP2A	X	-31	-31	0	%100
64	MP2A	Z	-537	-537	0	%100
65	MP3A	X	-31	-31	0	%100
66	MP3A	Z	-537	-537	0	%100
67	MP4A	X	-31	-31	0	%100
68	MP4A	Z	-537	-537	0	%100
69	MP1C	X	-31	-31	0	%100
70	MP1C	Z	-537	-537	0	%100
71	MP2C	X	-31	-31	0	%100
72	MP2C	Z	-537	-537	0	%100
73	MP3C	X	-31	-31	0	%100
74	MP3C	Z	-537	-537	0	%100
75	MP4C	X	-31	-31	0	%100
76	MP4C	Z	-537	-537	0	%100
77	MP1B	X	-31	-31	0	%100
78	MP1B	Z	-537	-537	0	%100
79	MP2B	X	-31	-31	0	%100
80	MP2B	Z	-537	-537	0	%100
81	MP3B	X	-31	-31	0	%100
82	MP3B	Z	-537	-537	0	%100
83	MP4B	X	-31	-31	0	%100
84	MP4B	Z	-537	-537	0	%100
85	M76A	X	-529	-529	0	%100
86	M76A	Z	-915	-915	0	%100
87	M77	X	-27	-27	0	%100
88	M77	Z	-468	-468	0	%100
89	M78A	X	-383	-383	0	%100
90	M78A	Z	-664	-664	0	%100
91	M79B	X	-383	-383	0	%100
92	M79B	Z	-664	-664	0	%100
93	M80	X	-27	-27	0	%100
94	M80	Z	-468	-468	0	%100
95	M81	X	-529	-529	0	%100
96	M81	Z	-915	-915	0	%100

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

Member Label	Direction	Start Magnitude[ft./ft.]	End Magnitude[ft./ft.]	Start Location[ft./ft.]	End Location[ft./ft.]
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Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M55	Y	211.605	-694.207	.702	.721
2	M55	Y	-694.207	-572.747	.721	.74
3	M55	Y	-572.747	1.619	.74	.759
4	M55	Y	1.619	1.619	.759	.778
5	M55	Y	1.619	1.619	.778	.797
6	M55	Y	1.619	1.619	.797	.816
7	M55	Y	1.619	1.619	.816	.835
8	M55	Y	1.619	1.619	.835	.854
9	M55	Y	1.619	1.619	.854	.873
10	M55	Y	1.619	1.619	.873	.893
11	M55	Y	1.619	1.619	.893	.912
12	M55	Y	1.619	1.619	.912	.931
13	M55	Y	1.619	1.619	.931	.95
14	M55	Y	1.619	1.619	.95	.969
15	M55	Y	1.619	1.619	.969	.988
16	M55	Y	1.619	1.619	.988	1.007
17	M55	Y	1.619	1.619	1.007	1.026
18	M55	Y	1.619	1.619	1.026	1.045
19	M55	Y	1.619	1.619	1.045	1.064
20	M55	Y	1.619	1.619	1.064	1.083
21	M55	Y	1.619	1.619	1.083	1.102
22	M55	Y	1.619	1.619	1.102	1.121
23	M55	Y	1.619	1.619	1.121	1.14
24	M55	Y	1.619	1.619	1.14	1.16
25	M55	Y	1.619	1.619	1.16	1.179
26	M55	Y	1.619	1.619	1.179	1.198
27	M55	Y	1.619	1.619	1.198	1.217
28	M55	Y	1.619	1.619	1.217	1.236
29	M55	Y	1.619	1.619	1.236	1.255
30	M55	Y	1.619	1.619	1.255	1.274
31	M55	Y	1.619	1.619	1.274	1.293
32	M55	Y	1.619	1.619	1.293	1.312
33	M55	Y	1.619	1.619	1.312	1.331
34	M55	Y	1.619	1.619	1.331	1.35
35	M55	Y	1.619	1.619	1.35	1.369
36	M55	Y	1.619	1.619	1.369	1.388
37	M55	Y	1.619	-574.334	1.388	1.407
38	M55	Y	-574.334	-1726.24	1.407	1.427
39	M56	Y	-66.936	-66.936	1.443	2.167
40	M73	Y	-4.972	-5.947	0	.917
41	M73	Y	-5.947	-8.147	.917	1.833
42	M73	Y	-8.147	-11.572	1.833	2.75
43	M78	Y	-4.972	-5.947	0	.917
44	M78	Y	-5.947	-8.147	.917	1.833
45	M78	Y	-8.147	-11.572	1.833	2.75
46	M66	Y	-4.972	-5.947	0	.917
47	M66	Y	-5.947	-8.147	.917	1.833
48	M66	Y	-8.147	-11.572	1.833	2.75
49	M79	Y	-4.972	-5.947	0	.917
50	M79	Y	-5.947	-8.147	.917	1.833
51	M79	Y	-8.147	-11.572	1.833	2.75
52	M77C	Y	211.605	-694.207	.702	.721
53	M77C	Y	-694.207	-572.747	.721	.74
54	M77C	Y	-572.747	1.619	.74	.759
55	M77C	Y	1.619	1.619	.759	.778
56	M77C	Y	1.619	1.619	.778	.797
57	M77C	Y	1.619	1.619	.797	.816

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
58	M77C	Y	1.619	1.619	.816	.835
59	M77C	Y	1.619	1.619	.835	.854
60	M77C	Y	1.619	1.619	.854	.873
61	M77C	Y	1.619	1.619	.873	.893
62	M77C	Y	1.619	1.619	.893	.912
63	M77C	Y	1.619	1.619	.912	.931
64	M77C	Y	1.619	1.619	.931	.95
65	M77C	Y	1.619	1.619	.95	.969
66	M77C	Y	1.619	1.619	.969	.988
67	M77C	Y	1.619	1.619	.988	1.007
68	M77C	Y	1.619	1.619	1.007	1.026
69	M77C	Y	1.619	1.619	1.026	1.045
70	M77C	Y	1.619	1.619	1.045	1.064
71	M77C	Y	1.619	1.619	1.064	1.083
72	M77C	Y	1.619	1.619	1.083	1.102
73	M77C	Y	1.619	1.619	1.102	1.121
74	M77C	Y	1.619	1.619	1.121	1.14
75	M77C	Y	1.619	1.619	1.14	1.16
76	M77C	Y	1.619	1.619	1.16	1.179
77	M77C	Y	1.619	1.619	1.179	1.198
78	M77C	Y	1.619	1.619	1.198	1.217
79	M77C	Y	1.619	1.619	1.217	1.236
80	M77C	Y	1.619	1.619	1.236	1.255
81	M77C	Y	1.619	1.619	1.255	1.274
82	M77C	Y	1.619	1.619	1.274	1.293
83	M77C	Y	1.619	1.619	1.293	1.312
84	M77C	Y	1.619	1.619	1.312	1.331
85	M77C	Y	1.619	1.619	1.331	1.35
86	M77C	Y	1.619	1.619	1.35	1.369
87	M77C	Y	1.619	1.619	1.369	1.388
88	M77C	Y	1.619	-574.334	1.388	1.407
89	M77C	Y	-574.334	-1726.24	1.407	1.427
90	M78B	Y	-66.936	-66.936	1.443	2.167
91	M67	Y	-4.972	-5.947	0	.917
92	M67	Y	-5.947	-8.147	.917	1.833
93	M67	Y	-8.147	-11.572	1.833	2.75
94	M72	Y	-4.972	-5.947	0	.917
95	M72	Y	-5.947	-8.147	.917	1.833
96	M72	Y	-8.147	-11.572	1.833	2.75
97	M79A	Y	211.605	-694.207	.702	.721
98	M79A	Y	-694.207	-572.747	.721	.74
99	M79A	Y	-572.747	1.619	.74	.759
100	M79A	Y	1.619	1.619	.759	.778
101	M79A	Y	1.619	1.619	.778	.797
102	M79A	Y	1.619	1.619	.797	.816
103	M79A	Y	1.619	1.619	.816	.835
104	M79A	Y	1.619	1.619	.835	.854
105	M79A	Y	1.619	1.619	.854	.873
106	M79A	Y	1.619	1.619	.873	.893
107	M79A	Y	1.619	1.619	.893	.912
108	M79A	Y	1.619	1.619	.912	.931
109	M79A	Y	1.619	1.619	.931	.95
110	M79A	Y	1.619	1.619	.95	.969
111	M79A	Y	1.619	1.619	.969	.988
112	M79A	Y	1.619	1.619	.988	1.007
113	M79A	Y	1.619	1.619	1.007	1.026
114	M79A	Y	1.619	1.619	1.026	1.045

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M79A	Y	1.619	1.619	1.045	1.064
116	M79A	Y	1.619	1.619	1.064	1.083
117	M79A	Y	1.619	1.619	1.083	1.102
118	M79A	Y	1.619	1.619	1.102	1.121
119	M79A	Y	1.619	1.619	1.121	1.14
120	M79A	Y	1.619	1.619	1.14	1.16
121	M79A	Y	1.619	1.619	1.16	1.179
122	M79A	Y	1.619	1.619	1.179	1.198
123	M79A	Y	1.619	1.619	1.198	1.217
124	M79A	Y	1.619	1.619	1.217	1.236
125	M79A	Y	1.619	1.619	1.236	1.255
126	M79A	Y	1.619	1.619	1.255	1.274
127	M79A	Y	1.619	1.619	1.274	1.293
128	M79A	Y	1.619	1.619	1.293	1.312
129	M79A	Y	1.619	1.619	1.312	1.331
130	M79A	Y	1.619	1.619	1.331	1.35
131	M79A	Y	1.619	1.619	1.35	1.369
132	M79A	Y	1.619	1.619	1.369	1.388
133	M79A	Y	1.619	-574.334	1.388	1.407
134	M79A	Y	-574.334	-1726.239	1.407	1.427
135	M80B	Y	-66.936	-66.936	1.443	2.167

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	M55	Y	253.926	-833.048	.702	.721
2	M55	Y	-833.048	-687.296	.721	.74
3	M55	Y	-687.296	1.943	.74	.759
4	M55	Y	1.943	1.943	.759	.778
5	M55	Y	1.943	1.943	.778	.797
6	M55	Y	1.943	1.943	.797	.816
7	M55	Y	1.943	1.943	.816	.835
8	M55	Y	1.943	1.943	.835	.854
9	M55	Y	1.943	1.943	.854	.873
10	M55	Y	1.943	1.943	.873	.893
11	M55	Y	1.943	1.943	.893	.912
12	M55	Y	1.943	1.943	.912	.931
13	M55	Y	1.943	1.943	.931	.95
14	M55	Y	1.943	1.943	.95	.969
15	M55	Y	1.943	1.943	.969	.988
16	M55	Y	1.943	1.943	.988	1.007
17	M55	Y	1.943	1.943	1.007	1.026
18	M55	Y	1.943	1.943	1.026	1.045
19	M55	Y	1.943	1.943	1.045	1.064
20	M55	Y	1.943	1.943	1.064	1.083
21	M55	Y	1.943	1.943	1.083	1.102
22	M55	Y	1.943	1.943	1.102	1.121
23	M55	Y	1.943	1.943	1.121	1.14
24	M55	Y	1.943	1.943	1.14	1.16
25	M55	Y	1.943	1.943	1.16	1.179
26	M55	Y	1.943	1.943	1.179	1.198
27	M55	Y	1.943	1.943	1.198	1.217
28	M55	Y	1.943	1.943	1.217	1.236
29	M55	Y	1.943	1.943	1.236	1.255
30	M55	Y	1.943	1.943	1.255	1.274
31	M55	Y	1.943	1.943	1.274	1.293
32	M55	Y	1.943	1.943	1.293	1.312

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, %]
33	M55	Y	1.943	1.943	1.312	1.331
34	M55	Y	1.943	1.943	1.331	1.35
35	M55	Y	1.943	1.943	1.35	1.369
36	M55	Y	1.943	1.943	1.369	1.388
37	M55	Y	1.943	-689.201	1.388	1.407
38	M55	Y	-689.201	-2071.488	1.407	1.427
39	M56	Y	-80.323	-80.323	1.443	2.167
40	M73	Y	-5.966	-7.137	0	.917
41	M73	Y	-7.137	-9.777	.917	1.833
42	M73	Y	-9.777	-13.887	1.833	2.75
43	M78	Y	-5.966	-7.137	0	.917
44	M78	Y	-7.137	-9.777	.917	1.833
45	M78	Y	-9.777	-13.887	1.833	2.75
46	M66	Y	-5.966	-7.137	0	.917
47	M66	Y	-7.137	-9.777	.917	1.833
48	M66	Y	-9.777	-13.887	1.833	2.75
49	M79	Y	-5.966	-7.137	0	.917
50	M79	Y	-7.137	-9.777	.917	1.833
51	M79	Y	-9.777	-13.887	1.833	2.75
52	M77C	Y	253.926	-833.048	.702	.721
53	M77C	Y	-833.048	-687.296	.721	.74
54	M77C	Y	-687.296	1.943	.74	.759
55	M77C	Y	1.943	1.943	.759	.778
56	M77C	Y	1.943	1.943	.778	.797
57	M77C	Y	1.943	1.943	.797	.816
58	M77C	Y	1.943	1.943	.816	.835
59	M77C	Y	1.943	1.943	.835	.854
60	M77C	Y	1.943	1.943	.854	.873
61	M77C	Y	1.943	1.943	.873	.893
62	M77C	Y	1.943	1.943	.893	.912
63	M77C	Y	1.943	1.943	.912	.931
64	M77C	Y	1.943	1.943	.931	.95
65	M77C	Y	1.943	1.943	.95	.969
66	M77C	Y	1.943	1.943	.969	.988
67	M77C	Y	1.943	1.943	.988	1.007
68	M77C	Y	1.943	1.943	1.007	1.026
69	M77C	Y	1.943	1.943	1.026	1.045
70	M77C	Y	1.943	1.943	1.045	1.064
71	M77C	Y	1.943	1.943	1.064	1.083
72	M77C	Y	1.943	1.943	1.083	1.102
73	M77C	Y	1.943	1.943	1.102	1.121
74	M77C	Y	1.943	1.943	1.121	1.14
75	M77C	Y	1.943	1.943	1.14	1.16
76	M77C	Y	1.943	1.943	1.16	1.179
77	M77C	Y	1.943	1.943	1.179	1.198
78	M77C	Y	1.943	1.943	1.198	1.217
79	M77C	Y	1.943	1.943	1.217	1.236
80	M77C	Y	1.943	1.943	1.236	1.255
81	M77C	Y	1.943	1.943	1.255	1.274
82	M77C	Y	1.943	1.943	1.274	1.293
83	M77C	Y	1.943	1.943	1.293	1.312
84	M77C	Y	1.943	1.943	1.312	1.331
85	M77C	Y	1.943	1.943	1.331	1.35
86	M77C	Y	1.943	1.943	1.35	1.369
87	M77C	Y	1.943	1.943	1.369	1.388
88	M77C	Y	1.943	-689.201	1.388	1.407
89	M77C	Y	-689.201	-2071.488	1.407	1.427

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, %]
90	M78B	Y	-80.323	-80.323	1.443	2.167
91	M67	Y	-5.966	-7.137	0	.917
92	M67	Y	-7.137	-9.777	.917	1.833
93	M67	Y	-9.777	-13.887	1.833	2.75
94	M72	Y	-5.966	-7.137	0	.917
95	M72	Y	-7.137	-9.777	.917	1.833
96	M72	Y	-9.777	-13.887	1.833	2.75
97	M79A	Y	253.926	-833.048	.702	.721
98	M79A	Y	-833.048	-687.296	.721	.74
99	M79A	Y	-687.296	1.943	.74	.759
100	M79A	Y	1.943	1.943	.759	.778
101	M79A	Y	1.943	1.943	.778	.797
102	M79A	Y	1.943	1.943	.797	.816
103	M79A	Y	1.943	1.943	.816	.835
104	M79A	Y	1.943	1.943	.835	.854
105	M79A	Y	1.943	1.943	.854	.873
106	M79A	Y	1.943	1.943	.873	.893
107	M79A	Y	1.943	1.943	.893	.912
108	M79A	Y	1.943	1.943	.912	.931
109	M79A	Y	1.943	1.943	.931	.95
110	M79A	Y	1.943	1.943	.95	.969
111	M79A	Y	1.943	1.943	.969	.988
112	M79A	Y	1.943	1.943	.988	1.007
113	M79A	Y	1.943	1.943	1.007	1.026
114	M79A	Y	1.943	1.943	1.026	1.045
115	M79A	Y	1.943	1.943	1.045	1.064
116	M79A	Y	1.943	1.943	1.064	1.083
117	M79A	Y	1.943	1.943	1.083	1.102
118	M79A	Y	1.943	1.943	1.102	1.121
119	M79A	Y	1.943	1.943	1.121	1.14
120	M79A	Y	1.943	1.943	1.14	1.16
121	M79A	Y	1.943	1.943	1.16	1.179
122	M79A	Y	1.943	1.943	1.179	1.198
123	M79A	Y	1.943	1.943	1.198	1.217
124	M79A	Y	1.943	1.943	1.217	1.236
125	M79A	Y	1.943	1.943	1.236	1.255
126	M79A	Y	1.943	1.943	1.255	1.274
127	M79A	Y	1.943	1.943	1.274	1.293
128	M79A	Y	1.943	1.943	1.293	1.312
129	M79A	Y	1.943	1.943	1.312	1.331
130	M79A	Y	1.943	1.943	1.331	1.35
131	M79A	Y	1.943	1.943	1.35	1.369
132	M79A	Y	1.943	1.943	1.369	1.388
133	M79A	Y	1.943	-689.201	1.388	1.407
134	M79A	Y	-689.201	-2071.487	1.407	1.427
135	M80B	Y	-80.323	-80.323	1.443	2.167

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
1	M1	Y	-.07	-.07	1.82	3.248
2	M3	Y	-.07	-.07	1.82	3.248
3	M5	Y	-.046	-.125	.171	.85
4	M5	Y	-.125	-.165	.85	1.529
5	M5	Y	-.165	-.165	1.529	2.208
6	M5	Y	-.165	-.165	2.208	2.887
7	M5	Y	-.165	-.125	2.887	3.567

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,F...]	Start Location[ft,%]	End Location[ft,%]
8	M5	Y	-.125	-.046	3.567	4.246
9	M55	Y	-.212	-.212	.384	1.759
10	M56	Y	-.212	-.212	1.107	2.486
11	M70	Y	-.531	-.531	0	.125
12	M73	Y	-.044	-.073	0	.917
13	M73	Y	-.073	-.065	.917	1.833
14	M73	Y	-.065	-.018	1.833	2.75
15	M77A	Y	-.531	-.531	0	.125
16	M78	Y	-.044	-.073	0	.917
17	M78	Y	-.073	-.065	.917	1.833
18	M78	Y	-.065	-.018	1.833	2.75
19	M13	Y	-.07	-.07	1.82	3.248
20	M15	Y	-.07	-.07	1.82	3.248
21	M17	Y	-.046	-.125	.171	.85
22	M17	Y	-.125	-.165	.85	1.529
23	M17	Y	-.165	-.165	1.529	2.208
24	M17	Y	-.165	-.165	2.208	2.887
25	M17	Y	-.165	-.125	2.887	3.567
26	M17	Y	-.125	-.046	3.567	4.246
27	M65	Y	-.531	-.531	0	.125
28	M66	Y	-.044	-.073	0	.917
29	M66	Y	-.073	-.065	.917	1.833
30	M66	Y	-.065	-.018	1.833	2.75
31	M76	Y	-.531	-.531	0	.125
32	M79	Y	-.044	-.073	0	.917
33	M79	Y	-.073	-.065	.917	1.833
34	M79	Y	-.065	-.018	1.833	2.75
35	M77C	Y	-.212	-.212	.384	1.759
36	M78B	Y	-.212	-.212	1.107	2.486
37	M25	Y	-.07	-.07	1.82	3.248
38	M27	Y	-.07	-.07	1.82	3.248
39	M29	Y	-.046	-.125	.171	.85
40	M29	Y	-.125	-.165	.85	1.529
41	M29	Y	-.165	-.165	1.529	2.208
42	M29	Y	-.165	-.165	2.208	2.887
43	M29	Y	-.165	-.125	2.887	3.567
44	M29	Y	-.125	-.046	3.567	4.246
45	M64	Y	-.531	-.531	0	.125
46	M67	Y	-.044	-.073	0	.917
47	M67	Y	-.073	-.065	.917	1.833
48	M67	Y	-.065	-.018	1.833	2.75
49	M71	Y	-.531	-.531	0	.125
50	M72	Y	-.044	-.073	0	.917
51	M72	Y	-.073	-.065	.917	1.833
52	M72	Y	-.065	-.018	1.833	2.75
53	M79A	Y	-.212	-.212	.383	1.762
54	M80B	Y	-.212	-.212	1.11	2.485

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	M1	Z	-.176	-.176	1.82	3.248
2	M3	Z	-.176	-.176	1.82	3.248
3	M5	Z	-.116	-.315	.171	.85
4	M5	Z	-.315	-.414	.85	1.529
5	M5	Z	-.414	-.414	1.529	2.208
6	M5	Z	-.414	-.414	2.208	2.887



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	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft. %]	End Location[ft. %]
7	M5	Z	-.414	-.315	2.887	3.567
8	M5	Z	-.315	-.116	3.567	4.246
9	M55	Z	-.534	-.534	.384	1.759
10	M56	Z	-.532	-.532	1.107	2.486
11	M70	Z	-1.334	-1.334	0	.125
12	M73	Z	-.111	-.184	0	.917
13	M73	Z	-.184	-.162	.917	1.833
14	M73	Z	-.162	-.045	1.833	2.75
15	M77A	Z	-1.334	-1.334	0	.125
16	M78	Z	-.111	-.184	0	.917
17	M78	Z	-.184	-.162	.917	1.833
18	M78	Z	-.162	-.045	1.833	2.75
19	M13	Z	-.176	-.176	1.82	3.248
20	M15	Z	-.176	-.176	1.82	3.248
21	M17	Z	-.116	-.315	.171	.85
22	M17	Z	-.315	-.414	.85	1.529
23	M17	Z	-.414	-.414	1.529	2.208
24	M17	Z	-.414	-.414	2.208	2.887
25	M17	Z	-.414	-.315	2.887	3.567
26	M17	Z	-.315	-.116	3.567	4.246
27	M65	Z	-1.334	-1.334	0	.125
28	M66	Z	-.111	-.184	0	.917
29	M66	Z	-.184	-.162	.917	1.833
30	M66	Z	-.162	-.045	1.833	2.75
31	M76	Z	-1.334	-1.334	0	.125
32	M79	Z	-.111	-.184	0	.917
33	M79	Z	-.184	-.162	.917	1.833
34	M79	Z	-.162	-.045	1.833	2.75
35	M77C	Z	-.534	-.534	.384	1.759
36	M78B	Z	-.532	-.532	1.107	2.486
37	M25	Z	-.176	-.176	1.82	3.248
38	M27	Z	-.176	-.176	1.82	3.248
39	M29	Z	-.116	-.315	.171	.85
40	M29	Z	-.315	-.414	.85	1.529
41	M29	Z	-.414	-.414	1.529	2.208
42	M29	Z	-.414	-.414	2.208	2.887
43	M29	Z	-.414	-.315	2.887	3.567
44	M29	Z	-.315	-.116	3.567	4.246
45	M64	Z	-1.334	-1.334	0	.125
46	M67	Z	-.111	-.184	0	.917
47	M67	Z	-.184	-.162	.917	1.833
48	M67	Z	-.162	-.045	1.833	2.75
49	M71	Z	-1.334	-1.334	0	.125
50	M72	Z	-.111	-.184	0	.917
51	M72	Z	-.184	-.162	.917	1.833
52	M72	Z	-.162	-.045	1.833	2.75
53	M79A	Z	-.532	-.532	.383	1.762
54	M80B	Z	-.534	-.534	1.11	2.485

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.176	.176	1.82	3.248
2	M3	X	.176	.176	1.82	3.248
3	M5	X	.116	.315	.171	.85
4	M5	X	.315	.414	.85	1.529
5	M5	X	.414	.414	1.529	2.208

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M5	X	.414	.414	2.208	2.887
7	M5	X	.414	.315	2.887	3.567
8	M5	X	.315	.116	3.567	4.246
9	M55	X	.534	.534	.384	1.759
10	M56	X	.532	.532	1.107	2.486
11	M70	X	1.334	1.334	0	.125
12	M73	X	.111	.184	0	.917
13	M73	X	.184	.162	.917	1.833
14	M73	X	.162	.045	1.833	2.75
15	M77A	X	1.334	1.334	0	.125
16	M78	X	.111	.184	0	.917
17	M78	X	.184	.162	.917	1.833
18	M78	X	.162	.045	1.833	2.75
19	M13	X	.176	.176	1.82	3.248
20	M15	X	.176	.176	1.82	3.248
21	M17	X	.116	.315	.171	.85
22	M17	X	.315	.414	.85	1.529
23	M17	X	.414	.414	1.529	2.208
24	M17	X	.414	.414	2.208	2.887
25	M17	X	.414	.315	2.887	3.567
26	M17	X	.315	.116	3.567	4.246
27	M65	X	1.334	1.334	0	.125
28	M66	X	.111	.184	0	.917
29	M66	X	.184	.162	.917	1.833
30	M66	X	.162	.045	1.833	2.75
31	M76	X	1.334	1.334	0	.125
32	M79	X	.111	.184	0	.917
33	M79	X	.184	.162	.917	1.833
34	M79	X	.162	.045	1.833	2.75
35	M77C	X	.534	.534	.384	1.759
36	M78B	X	.532	.532	1.107	2.486
37	M25	X	.176	.176	1.82	3.248
38	M27	X	.176	.176	1.82	3.248
39	M29	X	.116	.315	.171	.85
40	M29	X	.315	.414	.85	1.529
41	M29	X	.414	.414	1.529	2.208
42	M29	X	.414	.414	2.208	2.887
43	M29	X	.414	.315	2.887	3.567
44	M29	X	.315	.116	3.567	4.246
45	M64	X	1.334	1.334	0	.125
46	M67	X	.111	.184	0	.917
47	M67	X	.184	.162	.917	1.833
48	M67	X	.162	.045	1.833	2.75
49	M71	X	1.334	1.334	0	.125
50	M72	X	.111	.184	0	.917
51	M72	X	.184	.162	.917	1.833
52	M72	X	.162	.045	1.833	2.75
53	M79A	X	.532	.532	.383	1.762
54	M80B	X	.534	.534	1.11	2.485

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N121A	N127A	N130A	N124A	Y	A-B	-.009
2	N128A	N113	N116A	N131A	Y	A-B	-.009
3	N120	N114	N117A	N123A	Y	A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N121A	N127A	N130A	N124A	Y	A-B	-.011
2	N128A	N113	N116A	N131A	Y	A-B	-.011
3	N120	N114	N117A	N123A	Y	A-B	-.011

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N121A	N127A	N130A	N124A	Y	Two Way	-.000115
2	N128A	N113	N116A	N131A	Y	Two Way	-.000115
3	N120	N114	N117A	N123A	Y	Two Way	-.000115

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N121A	N127A	N130A	N124A	Z	Two Way	-.000289
2	N128A	N113	N116A	N131A	Z	Two Way	-.000289
3	N120	N114	N117A	N123A	Z	Two Way	-.000289

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N121A	N127A	N130A	N124A	X	Two Way	.000289
2	N128A	N113	N116A	N131A	X	Two Way	.000289
3	N120	N114	N117A	N123A	X	Two Way	.000289

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	N45	max	996.546	10	373.027	7	1903.86	1	1.018	13	1.081	4	.233	4
2		min	-976.135	4	-79.289	1	-3954.057	7	.189	7	-1.121	10	-.238	10
3	N53	max	1639.139	9	374.561	3	1928.528	2	0	12	1.104	12	-.16	4
4		min	-3440.67	3	-74.46	9	-896.922	8	-.559	18	-1.133	6	-.903	22
5	N61	max	3339.287	11	361.493	11	2101.165	12	.013	1	1.233	8	.899	15
6		min	-1634.915	5	-57.379	5	-1134.454	6	-.549	19	-1.239	2	.189	11
7	N128B	max	-347.672	5	2210.608	23	-121.505	49	0	11	0	8	0	5
8		min	-1431.554	23	476.675	5	-748.623	14	0	5	0	2	0	11
9	N129B	max	590.235	28	2243.259	19	1627.613	19	0	1	0	4	0	4
10		min	-529.306	46	559.474	1	476.459	1	0	7	0	10	0	10
11	N130	max	1345.961	15	2203.911	15	-158.325	7	0	3	0	12	0	3
12		min	374.248	9	488.267	9	-880.454	24	0	9	0	6	0	9
13	Totals:	max	5235.172	10	6998.017	20	5204.539	1						
14		min	-5235.171	4	2331.911	65	-5204.542	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	M1	PIPE 3.0		.189	3.902	22	.105	4.095		7	58150.23	65205	5.749	5.749	1...	H1-1b
2	M3	PIPE 3.0		.162	3.902	16	.129	3.902		19	58150.23	65205	5.749	5.749	2...	H1-1b
3	M5	PIPE 3.0		.167	4.417	22	.016	4.417		21	58739.5...	65205	5.749	5.749	1...	H1-1b
4	M13	PIPE 3.0		.187	3.902	18	.107	4.095		3	58150.23	65205	5.749	5.749	1...	H1-1b
5	M15	PIPE 3.0		.165	3.902	24	.148	4.095		3	58150.23	65205	5.749	5.749	2...	H1-1b
6	M17	PIPE 3.0		.164	4.417	18	.019	4.417		17	58739.5...	65205	5.749	5.749	1...	H1-1b
7	M25	PIPE 3.0		.186	3.902	14	.107	4.095		11	58150.23	65205	5.749	5.749	1...	H1-1b
8	M27	PIPE 3.0		.167	3.902	20	.149	4.095		11	58150.23	65205	5.749	5.749	2...	H1-1b
9	M29	PIPE 3.0		.164	4.417	14	.019	4.417		13	58739.5...	65205	5.749	5.749	1...	H1-1b
10	M37	PL5/8X6		.122	.426	5	.177	.426	y	11	102576....	121500	1.582	15.188	1...	H1-1b
11	M38	PL5/8X6		.112	.426	12	.162	.426	y	3	102576....	121500	1.582	15.188	1...	H1-1b

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

Member	Shape	Code Check	Loc[ft]	LC Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y ...	phi*Mn z ...	Cb	Eqn
12	M39	PL5/8X6	.121	.426 9	.174	.426 y	3	102576...	121500	1.582	15.188	1...	H1-1b
13	M40	HSS3X3X5	.129	3.798 17	.057	3.852 y	16	97297.0...	121716	10.005	10.005	1...	H1-1b
14	M41	HSS3X3X5	.130	3.798 24	.058	3.852 y	24	97297.0...	121716	10.005	10.005	1...	H1-1b
15	M42	HSS3X3X5	.128	3.798 21	.055	3.852 y	13	97297.0...	121716	10.005	10.005	1...	H1-1b
16	M43	HSS3X3X5	.164	3.875 10	.065	1.736 y	19	107526...	121716	10.005	10.005	2...	H1-1b
17	M47	HSS3X3X5	.168	3.875 6	.065	1.736 y	15	107526...	121716	10.005	10.005	2...	H1-1b
18	M51	HSS3X3X5	.174	3.875 2	.066	3.875 z	8	107526...	121716	10.005	10.005	2...	H1-1b
19	M55	L2.5X1.5X.25	.355	0 19	.042	0 z	20	25314.0...	30375	1.531	1.054	2...	H2-1
20	M56	L2.5X1.5X.25	.325	2.869 19	.046	2.869 z	19	25314.0...	30375	1.531	1.054	2...	H2-1
21	M66	L2.5x2.5x4	.116	0 21	.007	0 y	16	30124.6...	38556	1.114	2.537	1...	H2-1
22	M67	L2.5x2.5x4	.121	0 17	.006	0 z	16	30124.6...	38556	1.114	2.537	1...	H2-1
23	M72	L2.5x2.5x4	.116	0 17	.007	0 y	24	30124.6...	38556	1.114	2.537	1...	H2-1
24	M73	L2.5x2.5x4	.122	0 13	.006	0 z	24	30124.6...	38556	1.114	2.537	1...	H2-1
25	M78	L2.5x2.5x4	.113	0 13	.006	0 y	20	30124.6...	38556	1.114	2.537	1...	H2-1
26	M79	L2.5x2.5x4	.120	0 21	.006	0 z	14	30124.6...	38556	1.114	2.537	1...	H2-1
27	M77C	L2.5X1.5X.25	.375	0 15	.043	0 z	15	25314.0...	30375	1.531	1.054	2...	H2-1
28	M78B	L2.5X1.5X.25	.379	2.869 3	.049	2.869 z	15	25314.0...	30375	1.531	1.054	2...	H2-1
29	M79A	L2.5X1.5X.25	.375	0 23	.044	0 z	23	25314.0...	30375	1.531	1.054	2...	H2-1
30	M80B	L2.5X1.5X.25	.387	2.869 11	.049	2.869 z	23	25314.0...	30375	1.531	1.054	2...	H2-1
31	MP1A	PIPE 2.0	.331	3.573 5	.077	3.573	5	17855.0...	32130	1.872	1.872	1...	H1-1b
32	MP2A	PIPE 2.0	.521	3.573 2	.051	.948	1	17855.0...	32130	1.872	1.872	1...	H1-1b
33	MP3A	PIPE 2.0	.205	3.573 2	.021	3.646	7	17855.0...	32130	1.872	1.872	1...	H1-1b
34	MP4A	PIPE 2.0	.331	3.573 11	.077	3.573	11	17855.0...	32130	1.872	1.872	1...	H1-1b
35	MP1C	PIPE 2.0	.331	3.573 12	.077	3.573	12	17855.0...	32130	1.872	1.872	1...	H1-1b
36	MP2C	PIPE 2.0	.521	3.573 9	.054	3.646	2	17855.0...	32130	1.872	1.872	1...	H1-1b
37	MP3C	PIPE 2.0	.205	3.573 9	.021	3.646	4	17855.0...	32130	1.872	1.872	1...	H1-1b
38	MP4C	PIPE 2.0	.331	3.573 6	.077	3.573	6	17855.0...	32130	1.872	1.872	1...	H1-1b
39	MP1B	PIPE 2.0	.331	3.573 8	.077	3.573	8	17855.0...	32130	1.872	1.872	1...	H1-1b
40	MP2B	PIPE 2.0	.521	3.573 5	.054	3.646	10	17855.0...	32130	1.872	1.872	1...	H1-1b
41	MP3B	PIPE 2.0	.205	3.573 5	.021	3.646	12	17855.0...	32130	1.872	1.872	1...	H1-1b
42	MP4B	PIPE 2.0	.331	3.573 2	.077	3.573	2	17855.0...	32130	1.872	1.872	1...	H1-1b
43	M76A	L2.5x2.5x3	.184	2.789 22	.007	0 z	12	10998.8...	29192.4	.873	1.576	1...	H2-1
44	M77	L2.5x2.5x3	.205	2.675 16	.008	0 z	2	10998.8...	29192.4	.873	1.576	1...	H2-1
45	M78A	L2.5x2.5x3	.186	2.789 18	.008	0 z	8	10998.8...	29192.4	.873	1.576	1...	H2-1
46	M79B	L2.5x2.5x3	.197	2.675 24	.008	5.464 z	10	10998.8...	29192.4	.873	1.576	1...	H2-1
47	M80	L2.5x2.5x3	.185	2.789 14	.008	5.464 z	4	10998.8...	29192.4	.873	1.576	1...	H2-1
48	M81	L2.5x2.5x3	.198	2.675 20	.008	5.464 z	6	10998.8...	29192.4	.873	1.576	1...	H2-1

I. Mount-to-Tower Connection Check

Custom Orientation Required

No

Tower Connection Bolt Checks

Yes

Bolt Orientation

Parallel

Bolt Quantity per Reaction:

4

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

4

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

4

Bolt Type:

A325N

Bolt Diameter (in):

0.625

Required Tensile Strength / bolt (kips):

2.4

Required Shear Strength / bolt (kips):

0.4

Tensile Capacity / bolt (kips):

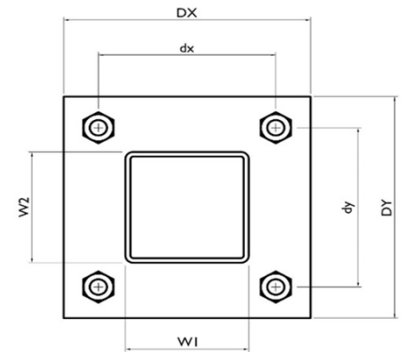
20.7

Shear Capacity / bolt (kips):

12.4

Bolt Overall Utilization:

11.7%



Tower Connection Baseplate Checks

Yes

Connecting Standoff Member Shape:

Rect Tube

Weld Stiffener Configuration:

No Stiffeners

Plate Width, D_x (in):

6

Plate Height, D_y (in):

6

W_1 (in):

3

W_2 (in):

3

Member Thickness (in):

0.3125

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):

0.75

Length of Yield Line, L_y (in):

4.14

Bolt Eccentricity, e (in):

1.00

M_u (kip-in):

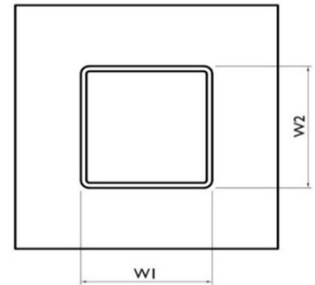
2.41

$\Phi * M_n$ (kip-in):

18.87

Plate Bending Utilization:

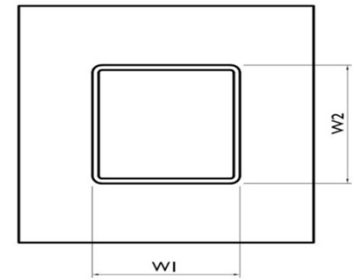
12.8%



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_x (in³/in):
 Z_y (in³/in):
 J_p (in⁴/in):
 c_x (in):
 c_y (in):
Required combined strength (kip/in):
Weld Capacity (kip/in):
Weld Utilization:

Yes
Rectangle
None
4
3
3
12.00
12.00
12.00
36.00
1.8125
1.8125
1.13
5.57
20.3%



Date: October 16, 2023



MORRISON HERSHFIELD

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: 5000232500
Site Name: Plymouth CT

Crown Castle Designation: BU Number: 826768
Site Name: Plymouth/RT 6
JDE Job Number: 2103341
Work Order Number: 2264246
Order Number: 658653 Rev. 0

Engineering Firm Designation: Morrison Hershfield Project Number: CN12-824 / 2300001

Site Data: 171 Town Hill Road, Plymouth, Litchfield County, CT 06786
Latitude 41° 40' 6.20", Longitude -73° 1' 11.84"
169 Foot – PiRod 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:

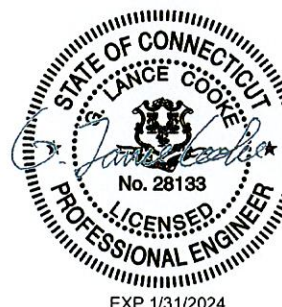
LC5: Proposed Equipment Configuration

Sufficient Capacity – 83.2%

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: 2023.10.17
07:46:10+05'30'

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1) INTRODUCTION

This tower is a 169 ft monopole tower designed by PiRod Manufactures, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	116 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	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)
143.0	148.0	2	rfs/celwave	DB-T1-6Z-8AB-0Z	8	1-5/8
		2	kaelus	BSF0020F3V1		
	146.0	3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
	144.0	6	antel	LPA-80080/6CF w/ Mount Pipe		
		6	commscope	SBNHH-1D65B		
	143.0	3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		1	-	Platform Mount [LP 403-1_KCKR]		

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)
167.0	182.0	1	rfi antennas	COL45-70 w/ Mount Pipe	7	7/8
	175.0	1	decibel	DB810T3E-XT		
		1	rfi antennas	COL45-70 w/ Mount Pipe		
	169.0	1	decibel	DB810T3E-XT		
		1	decibel	DB810T3E-XT w/ Mount Pipe		
	167.0	1	-	Side Arm Mount [SO 701-3]		
164.0	169.0	2	rfi antennas	COL45-70 w/ Mount Pipe	3 2	1-5/8 7/8
	168.0	3	ericsson	RRUS 4415 B25		
	167.0	3	ericsson	AIR6449 B41 w/ Mount Pipe		
	166.0	1	ericsson	AIR 32 B2A/B66AA w/ Mount Pipe		
		2	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
164.0	165.0	2	ericsson	AIR 32 B2A/B66AA w/ Mount Pipe	-	-
		1	rfs/celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
	164.0	1	-	Platform Mount [LP 404-1_KCKR]		
155.0	159.0	3	alcatel lucent	TD-RRH8X20-25	4	1-1/4
	158.0	3	rfs/celwave	APXVSP18-C-A20 w/ Mount Pipe		
	157.0	3	rfs/celwave	APXVTM14-C-120 w/ Mount Pipe		
		3	alcatel lucent	1900MHZ RRH		
	155.0	1	-	Platform Mount [LP 305-1]		
	153.0	3	alcatel lucent	800MHZ RRH		
132.0	132.0	2	jma wireless	MX08FRO665-21 w/ Mount Pipe	1	1-1/2
		3	fujitsu	TA08025-B604		
		3	fujitsu	TA08025-B605		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		
	131.0	1	jma wireless	MX08FRO665-21 w/ Mount Pipe		
120.0	120.0	1	-	Side Arm Mount [SO 701-1]	-	-
115.0	120.0	3	ericsson	RRUS 4426 B66	12 6 3 2	1-5/8 5/8 3/8 2C
	116.0	1	kathrein	80010965 w/ Mount Pipe		
		6	cci antennas	TPX-070821		
		2	kaelus	DBCT108F1V92-1		
		2	kathrein	80010965 w/ Mount Pipe		
	115.0	3	powerwave technologies	7770.00 w/ Mount Pipe		
		1	quintel technology	QS66512-2 w/ Mount Pipe		
		3	ericsson	RRUS 11		
		3	ericsson	RRUS 12 B2		
		3	ericsson	RRUS 4478 B14		
		3	ericsson	RRUS 4478 B5		
		4	kaelus	DBCT108F1V92-1		
		2	raycap	DC6-48-60-18-8F		
		1	-	Platform Mount [LP 303-1_HR-1]		
	114.0	3	kmw communications	AM-X-CD-16-65-00T-RET w/ Mount Pipe		
		2	quintel technology	QS66512-2 w/ Mount Pipe		
		3	cci antennas	DTMABP7819VG12A		
		3	ericsson	WCS RRUS-32-B30		
	110.0	1	raycap	DC6-48-60-18-8C		
104.0	104.0	3	rfs/celwave	APXV18-206517S-C w/ Mount Pipe	6	1-5/8

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
73.0	83.0	1	decibel	DB810T3E-XT w/ Mount Pipe	1	7/8
	73.0	1	-	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	3491991	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	3678682	CCISITES
4-TOWER MANUFACTURER DRAWINGS	3491992	CCISITES

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

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

This analysis may be affected if any assumptions are not valid or have been made in error. 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	P (K)	SF*P _{allow} (K)	% Capacity	Pass / Fail
L1	169 - 164.25	Pole	TP26x18x0.25	1	-0.74	1060.11	1.5	Pass
L2	164.25 - 129.75	Pole	TP34.0625x21.5x0.3125	2	-15.80	1976.75	23.8	Pass
L3	129.75 - 96.08	Pole	TP41.75x32.1327x0.375	3	-31.46	2937.41	40.3	Pass
L4	96.08 - 63.25	Pole	TP49.0625x39.8023x0.375	4	-41.43	3460.30	57.3	Pass
L5	63.25 - 31.25	Pole	TP56.125x46.9543x0.375	5	-52.85	3964.20	70.9	Pass
L6	31.25 - 0	Pole	TP62.9375x53.8466x0.375	6	-67.99	4574.01	83.2	Pass
							Summary	
						Pole (L6)	83.2	Pass
						Rating =	83.2	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	80.8	Pass
1,2	Base Plate		80.8	Pass
1	Base Foundation (Structure)	0	73.5	Pass
1	Base Foundation (Soil Interaction)		56.7	Pass

Structure Rating (max from all components) =	83.2%*
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Notes:

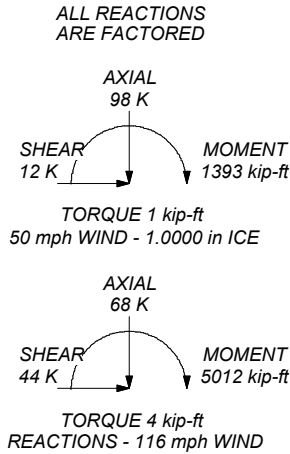
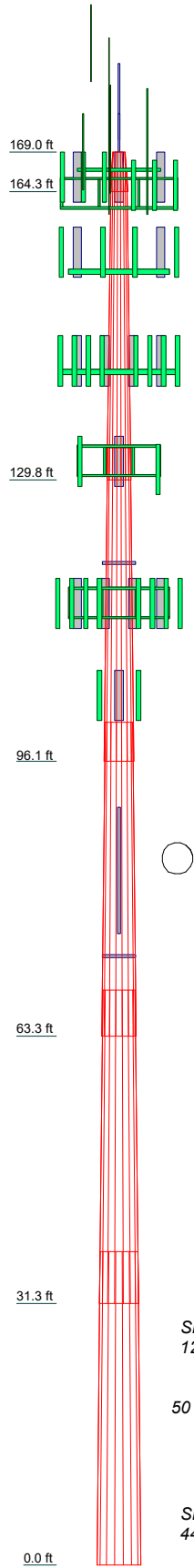
- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.
- 2) The base and flange plates have been considered to have the same capacity as their respective bolts.
- 3) *Rating per TIA-222-H, Section 15.5.

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	1	2	3	4	5	6	
Length (ft)	4.75	36.88	37.50	37.50	37.50	37.50	
Number of Sides	18	18	18	18	18	18	
Thickness (in)	0.2500	0.3125	0.3750	0.3750	0.3750	0.3750	
Socket Length (ft)	2.38	3.83	4.67	5.50	6.25	53.8466	
Top Dia (in)	18.0000	21.5000	32.1327	39.8023	46.9543	62.9375	
Bot Dia (in)	26.0000	34.0625	41.7500	49.0625	56.1250		
Grade	A572-65						
Weight (K)	0.3	3.4	5.6	6.7	7.8	8.8	32.5



MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Litchfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 116 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 83.2%

Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower is located in Litchfield County, Connecticut.

Tower base elevation above sea level: 890.00 ft.

Basic wind speed of 116 mph.

Risk Category II.

Exposure Category C.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.00 ft.

Nominal ice thickness of 1.0000 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

A wind speed of 50 mph is used in combination with ice.

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60 mph.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

Tower analysis based on target reliabilities in accordance with Annex S.

Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.

Maximum demand-capacity ratio is: 1.05.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs	Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules
Consider Moments - Horizontals	Assume Legs Pinned	Calculate Redundant Bracing Forces
Consider Moments - Diagonals	✓ Assume Rigid Index Plate	Ignore Redundant Members in FEA
Use Moment Magnification	✓ Use Clear Spans For Wind Area	SR Leg Bolts Resist Compression
✓ Use Code Stress Ratios	Use Clear Spans For KL/r	All Leg Panels Have Same Allowable
✓ Use Code Safety Factors - Guys	Retention Guys To Initial Tension	Offset Girt At Foundation
Escalate Ice	✓ Bypass Mast Stability Checks	✓ Consider Feed Line Torque
Always Use Max Kz	✓ Use Azimuth Dish Coefficients	Include Angle Block Shear Check
Use Special Wind Profile	✓ Project Wind Area of Appurt.	Use TIA-222-H Bracing Resist.
Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Exemption
Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Use TIA-222-H Tension Splice
Secondary Horizontal Braces Leg	Sort Capacity Reports By Component	Exemption
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	

Poles

✓ Include Shear-Torsion Interaction
Always Use Sub-Critical Flow
Use Top Mounted Sockets
Pole Without Linear Attachments
Pole With Shroud Or No
Appurtenances
Outside and Inside Corner Radii Are Known

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	169.00-164.25	4.75	2.38	18	18.0000	26.0000	0.2500	1.0000	A572-65 (65 ksi)
L2	164.25-129.75	36.88	3.83	18	21.5000	34.0625	0.3125	1.2500	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L3	129.75-96.08	37.50	4.67	18	32.1327	41.7500	0.3750	1.5000	A572-65 (65 ksi)
L4	96.08-63.25	37.50	5.50	18	39.8023	49.0625	0.3750	1.5000	A572-65 (65 ksi)
L5	63.25-31.25	37.50	6.25	18	46.9543	56.1250	0.3750	1.5000	A572-65 (65 ksi)
L6	31.25-0.00	37.50		18	53.8466	62.9375	0.3750	1.5000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L1	18.2391 26.3625	14.0846 20.4326	560.6340 1711.6544	6.3012 9.1412	9.1440 13.2080	61.3117 129.5922	1122.0058 3425.5610	7.0437 10.2183	2.7280 4.1360	10.912 16.544
L2	22.6051 34.5398	21.0154 33.4758	1191.8828 4817.4335	7.5216 11.9812	10.9220 17.3038	109.1268 278.4040	2385.3338 9641.2058	10.5097 16.7411	3.2340 5.4450	10.349 17.424
L3	33.5680 42.3362	37.7996 49.2466	4816.4040 10650.982	11.2740 14.6881	16.3234 21.2090	295.0611 502.1916	9639.1455 21315.979	18.9034 24.6280	4.9954 6.6880	13.321 17.835
L4	41.5295 49.7615	46.9284 57.9503	9216.5336 17355.137	13.9967 17.2841	20.2196 24.9238	455.8222 696.3293	18445.194 34733.111	23.4686 28.9807	6.3452 7.9750	16.921 21.267
L5	48.9866 56.9330	55.4411 66.3564	15196.923 26056.150	16.5357 19.7913	23.8528 28.5115	637.1126 913.8821	30413.842 52146.586	27.7258 33.1845	7.6040 9.2180	20.277 24.581
L6	56.1579 63.8506	63.6445 74.4650	22990.273 36822.894	18.9824 22.2097	27.3541 31.9722	840.4705 1151.7142	46010.797 73694.241	31.8283 37.2396	8.8170 10.4170	23.512 27.779

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _r	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontal in	Double Angle Stitch Bolt Spacing Redundants in
L1 169.00- 164.25				1	1	1			
L2 164.25- 129.75				1	1	1			
L3 129.75- 96.08				1	1	1			
L4 96.08- 63.25				1	1	1			
L5 63.25- 31.25				1	1	1			
L6 31.25-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf

Safety Line 3/8"	C	No	Surface Ar (CaAa)	169.00 - 0.00	1	1	0.450 0.450	0.3750		0.22
Climbing Rungs	C	No	Surface Ar (CaAa)	169.00 - 0.00	1	1	0.400 0.500	0.7050		1.80

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
LDF7-50A(1-5/8)	A	No	Surface Ar (CaAa)	115.00 - 6.00	12	6	0.000 0.256	1.9800		0.82
WR-VG82ST-BRDA(5/8)	A	No	Surface Ar (CaAa)	115.00 - 6.00	2	1	0.270 0.270	0.6450		0.31
FB-L98B-034-XXX(3/8)	A	No	Surface Ar (CaAa)	115.00 - 6.00	1	1	0.270 0.270	0.3937		0.06
Conduit (2")	A	No	Surface Ar (CaAa)	115.00 - 6.00	2	1	0.290 0.290	2.0000		2.80

LDF7-50A(1-5/8)	B	No	Surface Ar (CaAa)	104.00 - 8.00	6	6	-0.256 0.000	1.9800		0.82

LDF5-50A(7/8)	A	No	Surface Ar (CaAa)	73.00 - 6.00	1	1	-0.200 -0.200	1.0900		0.33

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight plf

810921-701(7/8)	C	No	No	Inside Pole	167.00 - 3.00	7	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.34 0.34 0.34

HCS 6X12 4AWG(1-5/8)	C	No	No	Inside Pole	164.00 - 3.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	2.40 2.40 2.40
810921-701(7/8)	C	No	No	Inside Pole	164.00 - 3.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.34 0.34 0.34

HB114-21U3M12-XXXF(1-1/4)	B	No	No	Inside Pole	155.00 - 6.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.22 1.22 1.22
HB114-108U4-M6F(1-1/4)	B	No	No	Inside Pole	155.00 - 6.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.30 1.30 1.30

HB158-108U8-S8J18(1-5/8)	C	No	No	Inside Pole	143.00 - 6.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.30 1.30 1.30
LDF7-50A(1-5/8)	C	No	No	Inside Pole	143.00 - 6.00	6	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.82 0.82 0.82

CU12PSM9P6XXX (1-1/2)	B	No	No	Inside Pole	132.00 - 6.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	2.35 2.35 2.35
WR-VG82ST-BRDA(5/8)	A	No	No	Inside Pole	115.00 - 6.00	4	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.31 0.31 0.31
FB-L98B-034-XXX(3/8)	A	No	No	Inside Pole	115.00 - 6.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.06 0.06 0.06

Feed Line/Linear Appurtenances Section Areas

Tower Section n	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L1	169.00-164.25	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	0.513	0.000	0.02
L2	164.25-129.75	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.13
		C	0.000	0.000	3.726	0.000	0.52
L3	129.75-96.08	A	0.000	0.000	28.226	0.000	0.33
		B	0.000	0.000	9.409	0.000	0.29
		C	0.000	0.000	3.636	0.000	0.67
L4	96.08-63.25	A	0.000	0.000	50.041	0.000	0.58
		B	0.000	0.000	39.002	0.000	0.41
		C	0.000	0.000	3.546	0.000	0.65
L5	63.25-31.25	A	0.000	0.000	51.228	0.000	0.57
		B	0.000	0.000	38.016	0.000	0.40
		C	0.000	0.000	3.456	0.000	0.63
L6	31.25-0.00	A	0.000	0.000	40.422	0.000	0.45
		B	0.000	0.000	27.621	0.000	0.30
		C	0.000	0.000	3.375	0.000	0.54

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section n	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L1	169.00-164.25	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	2.412	0.000	0.03
L2	164.25-129.75	A	0.986	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.13
		C		0.000	0.000	17.517	0.000	0.65
L3	129.75-96.08	A	0.961	0.000	0.000	49.706	0.000	0.88
		B		0.000	0.000	13.714	0.000	0.39
		C		0.000	0.000	16.919	0.000	0.79
L4	96.08-63.25	A	0.928	0.000	0.000	88.477	0.000	1.53
		B		0.000	0.000	56.639	0.000	0.82
		C		0.000	0.000	16.163	0.000	0.77
L5	63.25-31.25	A	0.881	0.000	0.000	91.911	0.000	1.51
		B		0.000	0.000	54.944	0.000	0.78
		C		0.000	0.000	15.334	0.000	0.74
L6	31.25-0.00	A	0.789	0.000	0.000	71.275	0.000	1.15
		B		0.000	0.000	39.646	0.000	0.57
		C		0.000	0.000	14.386	0.000	0.64

Feed Line Center of Pressure

Section	Elevation ft	CP_x in	CP_z in	CP_x Ice in	CP_z Ice in
L1	169.00-164.25	-0.6738	0.4896	-1.5766	1.1455
L2	164.25-129.75	-0.6810	0.4947	-1.6568	1.2037
L3	129.75-96.08	-2.6029	-4.6863	-3.1136	-3.6833
L4	96.08-63.25	-1.2148	-8.1726	-2.0427	-6.6884
L5	63.25-31.25	-1.5845	-8.6305	-2.5814	-7.1120
L6	31.25-0.00	-1.8321	-7.6438	-2.7924	-6.3007

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"	164.25 - 169.00	1.0000	1.0000
L1	3	Climbing Rungs	164.25 - 169.00	1.0000	1.0000
L2	2	Safety Line 3/8"	129.75 - 164.25	1.0000	1.0000
L2	3	Climbing Rungs	129.75 - 164.25	1.0000	1.0000
L3	2	Safety Line 3/8"	96.08 - 129.75	1.0000	1.0000
L3	3	Climbing Rungs	96.08 - 129.75	1.0000	1.0000
L3	18	LDF7-50A(1-5/8)	96.08 - 115.00	1.0000	1.0000
L3	20	WR-VG82ST-BRDA(5/8)	96.08 - 115.00	1.0000	1.0000
L3	22	FB-L98B-034-XXX(3/8)	96.08 - 115.00	1.0000	1.0000
L3	23	Conduit (2")	96.08 - 115.00	1.0000	1.0000
L3	25	LDF7-50A(1-5/8)	96.08 - 104.00	1.0000	1.0000
L4	2	Safety Line 3/8"	63.25 - 96.08	1.0000	1.0000
L4	3	Climbing Rungs	63.25 - 96.08	1.0000	1.0000
L4	18	LDF7-50A(1-5/8)	63.25 - 96.08	1.0000	1.0000
L4	20	WR-VG82ST-BRDA(5/8)	63.25 - 96.08	1.0000	1.0000
L4	22	FB-L98B-034-XXX(3/8)	63.25 - 96.08	1.0000	1.0000
L4	23	Conduit (2")	63.25 - 96.08	1.0000	1.0000
L4	25	LDF7-50A(1-5/8)	63.25 - 96.08	1.0000	1.0000
L4	27	LDF5-50A(7/8)	63.25 - 73.00	1.0000	1.0000
L5	2	Safety Line 3/8"	31.25 - 63.25	1.0000	1.0000
L5	3	Climbing Rungs	31.25 - 63.25	1.0000	1.0000
L5	18	LDF7-50A(1-5/8)	31.25 - 63.25	1.0000	1.0000
L5	20	WR-VG82ST-BRDA(5/8)	31.25 - 63.25	1.0000	1.0000
L5	22	FB-L98B-034-XXX(3/8)	31.25 - 63.25	1.0000	1.0000
L5	23	Conduit (2")	31.25 - 63.25	1.0000	1.0000
L5	25	LDF7-50A(1-5/8)	31.25 - 63.25	1.0000	1.0000
L5	27	LDF5-50A(7/8)	31.25 - 63.25	1.0000	1.0000
L6	2	Safety Line 3/8"	0.00 - 31.25	1.0000	1.0000
L6	3	Climbing Rungs	0.00 - 31.25	1.0000	1.0000
L6	18	LDF7-50A(1-5/8)	6.00 - 31.25	1.0000	1.0000
L6	20	WR-VG82ST-BRDA(5/8)	6.00 - 31.25	1.0000	1.0000
L6	22	FB-L98B-034-XXX(3/8)	6.00 - 31.25	1.0000	1.0000
L6	23	Conduit (2")	6.00 - 31.25	1.0000	1.0000
L6	25	LDF7-50A(1-5/8)	8.00 - 31.25	1.0000	1.0000
L6	27	LDF5-50A(7/8)	6.00 - 31.25	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K

Lighting Rod 3/4" x 5'	C	From Leg	0.50 0.00 6.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	0.38 0.89 1.36	0.38 0.89 1.36	0.03 0.03 0.04
10' x 3" Pipe Mount	C	From Leg	0.50 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	3.00 4.03 5.03	3.00 4.03 5.03	0.08 0.10 0.13

DB810T3E-XT w/ Mount Pipe	B	From Leg	3.00 0.00 2.00	0.0000	167.00	No Ice 1/2" Ice 1" Ice	8.34 11.52 14.73	8.34 11.52 14.73	0.11 0.18 0.27
DB810T3E-XT	C	From Leg	0.50 0.00 2.00	0.0000	167.00	No Ice 1/2" Ice 1" Ice	4.53 6.07 7.63	4.53 6.07 7.63	0.05 0.08 0.12
DB810T3E-XT	C	From Leg	0.50 0.00 8.00	0.0000	167.00	No Ice 1/2" Ice 1" Ice	4.53 6.07 7.63	4.53 6.07 7.63	0.05 0.08 0.12
COL45-70 w/ Mount Pipe	A	From Leg	3.00 0.00 8.00	0.0000	167.00	No Ice 1/2" Ice 1" Ice	3.80 5.78 7.80	3.80 5.78 7.80	0.04 0.08 0.13
COL45-70 w/ Mount Pipe	C	From Leg	3.00 0.00 15.00	0.0000	167.00	No Ice 1/2" Ice 1" Ice	3.80 5.78 7.80	3.80 5.78 7.80	0.04 0.08 0.13
Side Arm Mount [SO 701- 3]	C	None		0.0000	167.00	No Ice 1/2" Ice 1" Ice	3.02 4.18 5.33	3.02 4.18 5.33	0.20 0.24 0.28

APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
AIR6449 B41 w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	5.18 5.59 6.01	2.72 3.05 3.39	0.12 0.16 0.22
AIR6449 B41 w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	5.18 5.59 6.01	2.72 3.05 3.39	0.12 0.16 0.22
AIR6449 B41 w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	5.18 5.59 6.01	2.72 3.05 3.39	0.12 0.16 0.22
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	3.76 4.12 4.48	3.15 3.49 3.84	0.19 0.25 0.32
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	3.76 4.12 4.48	3.15 3.49 3.84	0.19 0.25 0.32
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	3.76 4.12 4.48	3.15 3.49 3.84	0.19 0.25 0.32
RADIO 4449 B71 B85A_T- MOBILE	A	From Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.59 1.75 1.92	0.07 0.09 0.12
RADIO 4449 B71 B85A_T- MOBILE	B	From Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.59 1.75 1.92	0.07 0.09 0.12
RADIO 4449 B71 B85A_T- MOBILE	C	From Leg	4.00 0.00	0.0000	164.00	No Ice 1/2" Ice	1.97 2.15	1.59 1.75	0.07 0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
RRUS 4415 B25	A	From Leg	2.00 4.00 0.00 4.00	0.0000	164.00	1" Ice No Ice 1/2" Ice 1" Ice	2.33 1.64 1.80 1.97	1.92 0.68 0.79 0.91	0.12 0.04 0.06 0.07
RRUS 4415 B25	B	From Leg	4.00 0.00 4.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	1.64 1.80 1.97	0.68 0.79 0.91	0.04 0.06 0.07
RRUS 4415 B25	C	From Leg	4.00 0.00 4.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	1.64 1.80 1.97	0.68 0.79 0.91	0.04 0.06 0.07
4' x 2" Pipe Mount	B	From Leg	4.00 0.00 0.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	0.79 1.03 1.28	0.79 1.03 1.28	0.03 0.04 0.04
Platform Mount [LP 404- 1_KCKR]	C	None		0.0000	164.00	No Ice 1/2" Ice 1" Ice	35.82 45.85 55.76	35.82 45.85 55.76	2.32 3.02 3.89
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COL45-70 w/ Mount Pipe	A	From Leg	4.00 0.00 5.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	3.80 5.78 7.80	3.80 5.78 7.80	0.04 0.08 0.13
COL45-70 w/ Mount Pipe	C	From Leg	4.00 0.00 5.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	3.80 5.78 7.80	3.80 5.78 7.80	0.04 0.08 0.13

APXVTM14-C-120 w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
APXVTM14-C-120 w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
APXVTM14-C-120 w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
APXVSP18-C-A20 w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	4.60 5.05 5.50	4.01 4.45 4.89	0.10 0.16 0.23
APXVSP18-C-A20 w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	4.60 5.05 5.50	4.01 4.45 4.89	0.10 0.16 0.23
APXVSP18-C-A20 w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	4.60 5.05 5.50	4.01 4.45 4.89	0.10 0.16 0.23
TD-RRH8X20-25	A	From Leg	4.00 0.00 4.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
TD-RRH8X20-25	B	From Leg	4.00 0.00 4.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
TD-RRH8X20-25	C	From Leg	4.00 0.00 4.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
800MHZ RRH	A	From Leg	4.00 0.00 -2.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.13 2.32 2.51	1.77 1.95 2.13	0.05 0.07 0.10
800MHZ RRH	B	From Leg	4.00 0.00 -2.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.13 2.32 2.51	1.77 1.95 2.13	0.05 0.07 0.10
800MHZ RRH	C	From Leg	4.00 0.00 -2.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.13 2.32 2.51	1.77 1.95 2.13	0.05 0.07 0.10
1900MHZ RRH	A	From Leg	4.00 0.00 2.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.49 2.70 2.91	3.26 3.48 3.72	0.04 0.08 0.11
1900MHZ RRH	B	From Leg	4.00 0.00	0.0000	155.00	No Ice 1/2" Ice	2.49 2.70	3.26 3.48	0.04 0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
1900MHZ RRH	C	From Leg	2.00 4.00 0.00	0.0000	155.00	1" Ice No Ice 1/2" Ice	2.91 2.49 2.70	3.72 3.26 3.48	0.11 0.04 0.08
8' x 2" Mount Pipe	A	From Leg	2.00 4.00 0.00	0.0000	155.00	1" Ice No Ice 1/2" Ice	2.91 1.90 2.73	3.72 1.90 2.73	0.11 0.03 0.04
8' x 2" Mount Pipe	B	From Leg	0.00 4.00 0.00	0.0000	155.00	1" Ice No Ice 1/2" Ice	3.40 1.90 2.73	3.40 1.90 2.73	0.06 0.03 0.04
8' x 2" Mount Pipe	C	From Leg	0.00 4.00 0.00	0.0000	155.00	1" Ice No Ice 1/2" Ice	3.40 1.90 2.73	3.40 1.90 2.73	0.06 0.03 0.04
Platform Mount [LP 305-1]	C	None	0.00	0.0000	155.00	1" Ice No Ice 1/2" Ice	3.40 18.04 22.04	3.40 18.04 22.04	0.06 1.12 1.47
*****						1" Ice	26.06	26.06	1.88
(2) LPA-80080/6CF w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	3.02 3.57 4.14	7.80 8.42 9.06	0.06 0.12 0.19
(2) LPA-80080/6CF w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	3.02 3.57 4.14	7.80 8.42 9.06	0.06 0.12 0.19
(2) LPA-80080/6CF w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	3.02 3.57 4.14	7.80 8.42 9.06	0.06 0.12 0.19
(2) SBNHH-1D65B	A	From Leg	4.00 0.00 1.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	4.16 4.57 4.99	2.49 2.88 3.27	0.04 0.09 0.15
(2) SBNHH-1D65B	B	From Leg	4.00 0.00 1.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	4.16 4.57 4.99	2.49 2.88 3.27	0.04 0.09 0.15
(2) SBNHH-1D65B	C	From Leg	4.00 0.00 1.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	4.16 4.57 4.99	2.49 2.88 3.27	0.04 0.09 0.15
MT6407-77A w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	5.94 6.47 7.02	3.10 3.55 4.02	0.10 0.13 0.18
MT6407-77A w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	5.94 6.47 7.02	3.10 3.55 4.02	0.10 0.13 0.18
MT6407-77A w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	5.94 6.47 7.02	3.10 3.55 4.02	0.10 0.13 0.18
RFV01U-D2A	A	From Leg	0.00 4.00 3.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.01 1.14 1.28	0.07 0.09 0.11
RFV01U-D2A	B	From Leg	0.00 4.00 3.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.01 1.14 1.28	0.07 0.09 0.11
RFV01U-D2A	C	From Leg	0.00 4.00 3.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.01 1.14 1.28	0.07 0.09 0.11
RFV01U-D1A	A	From Leg	0.00 4.00 3.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.25 1.39 1.54	0.08 0.10 0.12
RFV01U-D1A	B	From Leg	0.00 4.00 3.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.25 1.39 1.54	0.08 0.10 0.12
RFV01U-D1A	C	From Leg	0.00 4.00 3.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.25 1.39 1.54	0.08 0.10 0.12
(2) DB-T1-6Z-8AB-0Z	A	From Leg	0.00 4.00 5.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	4.80 5.07 5.35	2.00 2.19 2.39	0.04 0.08 0.12

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
Dual Antenna Mounting Kit	A	From Leg	4.00 0.00 0.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
Dual Antenna Mounting Kit	B	From Leg	4.00 0.00 0.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
Dual Antenna Mounting Kit	C	From Leg	4.00 0.00 0.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
Platform Mount [LP 403- 1_KCKR]	C	None	4.00 0.00 0.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	30.16 37.53 45.13	30.16 37.53 45.13	1.77 2.32 2.97

BSF0020F3V1	A	From Leg	4.00 0.00 3.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	0.96 1.09 1.22	0.29 0.36 0.45	0.02 0.02 0.03
BSF0020F3V1	B	From Leg	4.00 0.00 3.00	0.0000	143.00	No Ice 1/2" Ice 1" Ice	0.96 1.09 1.22	0.29 0.36 0.45	0.02 0.02 0.03

MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00 0.00 -1.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
TA08025-B604	A	From Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	0.98 1.11 1.25	0.06 0.08 0.10
TA08025-B604	B	From Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	0.98 1.11 1.25	0.06 0.08 0.10
TA08025-B604	C	From Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	0.98 1.11 1.25	0.06 0.08 0.10
TA08025-B605	A	From Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.13 1.27 1.41	0.08 0.09 0.11
TA08025-B605	B	From Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.13 1.27 1.41	0.08 0.09 0.11
TA08025-B605	C	From Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.13 1.27 1.41	0.08 0.09 0.11
RDIDC-9181-PF-48	B	From Leg	1.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	2.01 2.19 2.37	1.17 1.31 1.46	0.02 0.04 0.06
6' x 2" Mount Pipe	B	From Leg	1.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
(2) 8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) 8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) 8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
Commscope MC-PK8-DSH	C	None	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	34.24 62.95 91.66	34.24 62.95 91.66	1.75 2.10 2.45

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K

4' x 2" Pipe Mount	A	From Leg	3.00 0.00 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice	0.79 1.03 1.28	0.79 1.03 1.28	0.03 0.04 0.04
Side Arm Mount [SO 102-3]	C	None		0.0000	120.00	No Ice 1/2" Ice 1" Ice	3.60 4.18 4.75	3.60 4.18 4.75	0.07 0.11 0.14
Side Arm Mount [SO 701-1]	A	From Leg	1.50 0.00 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice	0.85 1.14 1.43	1.67 2.34 3.01	0.07 0.08 0.09

7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
7770.00 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
AM-X-CD-16-65-00T-RET w/ Mount Pipe	A	From Leg	4.00 0.00 -1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	4.63 5.06 5.51	3.27 3.69 4.12	0.07 0.13 0.20
AM-X-CD-16-65-00T-RET w/ Mount Pipe	B	From Leg	4.00 0.00 -1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	4.63 5.06 5.51	3.27 3.69 4.12	0.07 0.13 0.20
AM-X-CD-16-65-00T-RET w/ Mount Pipe	C	From Leg	4.00 0.00 -1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	4.63 5.06 5.51	3.27 3.69 4.12	0.07 0.13 0.20
80010965 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	12.26 13.03 13.80	5.79 6.47 7.17	0.14 0.23 0.33
80010965 w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	12.26 13.03 13.80	5.79 6.47 7.17	0.14 0.23 0.33
80010965 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	12.26 13.03 13.80	5.79 6.47 7.17	0.14 0.23 0.33
QS66512-2 w/ Mount Pipe	A	From Leg	4.00 0.00 -1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	4.04 4.42 4.82	4.18 4.57 4.97	0.14 0.21 0.29
QS66512-2 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	4.04 4.42 4.82	4.18 4.57 4.97	0.14 0.21 0.29
QS66512-2 w/ Mount Pipe	C	From Leg	4.00 0.00 -1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	4.04 4.42 4.82	4.18 4.57 4.97	0.14 0.21 0.29
DTMABP7819VG12A	A	From Leg	4.00 0.00 -1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	0.98 1.10 1.23	0.34 0.42 0.51	0.02 0.03 0.04
DTMABP7819VG12A	B	From Leg	4.00 0.00 -1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	0.98 1.10 1.23	0.34 0.42 0.51	0.02 0.03 0.04
DTMABP7819VG12A	C	From Leg	4.00 0.00 -1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	0.98 1.10 1.23	0.34 0.42 0.51	0.02 0.03 0.04
RRUS 12 B2	A	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	3.14 3.36 3.59	1.28 1.43 1.60	0.05 0.07 0.10
RRUS 12 B2	B	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	3.14 3.36 3.59	1.28 1.43 1.60	0.05 0.07 0.10
RRUS 12 B2	C	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	3.14 3.36 3.59	1.28 1.43 1.60	0.05 0.07 0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
DC6-48-60-18-8F	A	From Leg	1.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	0.92 1.46 1.64	0.92 1.46 1.64	0.02 0.04 0.06
DC6-48-60-18-8F	B	From Leg	1.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	0.92 1.46 1.64	0.92 1.46 1.64	0.02 0.04 0.06
RRUS 11	A	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	2.78 2.99 3.21	1.19 1.33 1.49	0.05 0.07 0.09
RRUS 11	B	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	2.78 2.99 3.21	1.19 1.33 1.49	0.05 0.07 0.09
RRUS 11	C	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	2.78 2.99 3.21	1.19 1.33 1.49	0.05 0.07 0.09
(2) DBCT108F1V92-1	A	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	0.64 0.74 0.85	0.32 0.40 0.49	0.01 0.02 0.03
(2) DBCT108F1V92-1	B	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	0.64 0.74 0.85	0.32 0.40 0.49	0.01 0.02 0.03
(2) DBCT108F1V92-1	C	From Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	0.64 0.74 0.85	0.32 0.40 0.49	0.01 0.02 0.03
RRUS 4478 B5	A	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
RRUS 4478 B5	B	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
RRUS 4478 B5	C	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
RRUS 4478 B14	A	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
RRUS 4478 B14	B	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
RRUS 4478 B14	C	From Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
RRUS 4426 B66	A	From Leg	4.00 0.00 5.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	1.64 1.80 1.97	0.73 0.84 0.97	0.05 0.06 0.08
RRUS 4426 B66	B	From Leg	4.00 0.00 5.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	1.64 1.80 1.97	0.73 0.84 0.97	0.05 0.06 0.08
RRUS 4426 B66	C	From Leg	4.00 0.00 5.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	1.64 1.80 1.97	0.73 0.84 0.97	0.05 0.06 0.08
WCS RRUS-32-B30	A	From Leg	4.00 0.00 -1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	3.31 3.56 3.81	2.42 2.64 2.86	0.08 0.10 0.14
WCS RRUS-32-B30	B	From Leg	4.00 0.00 -1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	3.31 3.56 3.81	2.42 2.64 2.86	0.08 0.10 0.14
WCS RRUS-32-B30	C	From Leg	4.00 0.00 -1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	3.31 3.56 3.81	2.42 2.64 2.86	0.08 0.10 0.14
(2) TPX-070821	A	From Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	0.47 0.56 0.66	0.10 0.15 0.20	0.01 0.01 0.02
(2) TPX-070821	B	From Leg	4.00 0.00	0.0000	115.00	No Ice 1/2" Ice	0.47 0.56	0.10 0.15	0.01 0.01

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
(2) TPX-070821	C	From Leg	1.00 4.00 0.00	0.0000	115.00	1" Ice No Ice 1/2" Ice	0.66 0.47 0.56	0.20 0.10 0.15	0.02 0.01 0.01
DC6-48-60-18-8C	B	From Leg	1.00 1.00 0.00	0.0000	115.00	1" Ice No Ice 1/2" Ice	0.66 2.74 2.96	0.20 2.74 2.96	0.02 0.03 0.05
4' x 2" Pipe Mount	A	From Leg	-5.00 4.00 0.00	0.0000	115.00	1" Ice No Ice 1/2" Ice	3.20 0.79 1.03	3.20 0.79 1.03	0.08 0.03 0.04
4' x 2" Pipe Mount	B	From Leg	0.00 4.00 0.00	0.0000	115.00	1" Ice No Ice 1/2" Ice	1.28 0.79 1.03	1.28 0.79 1.03	0.04 0.03 0.04
4' x 2" Pipe Mount	C	From Leg	0.00 4.00 0.00	0.0000	115.00	1" Ice No Ice 1/2" Ice	1.28 0.79 1.03	1.28 0.79 1.03	0.04 0.03 0.04
Platform Mount [LP 303- 1_HR-1]	C	None	0.00	0.0000	115.00	1" Ice No Ice 1/2" Ice	1.28 17.09 21.47	1.28 17.09 21.47	0.04 1.50 1.88
*****						1" Ice	25.72	25.72	2.35
APXV18-206517S-C w/ Mount Pipe	A	From Leg	1.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice	3.79 4.38 4.99	3.16 3.75 4.35	0.05 0.09 0.15
APXV18-206517S-C w/ Mount Pipe	B	From Leg	1.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice	3.79 4.38 4.99	3.16 3.75 4.35	0.05 0.09 0.15
APXV18-206517S-C w/ Mount Pipe	C	From Leg	1.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice	3.79 4.38 4.99	3.16 3.75 4.35	0.05 0.09 0.15

DB810T3E-XT w/ Mount Pipe	A	From Leg	3.00 0.00 10.00	0.0000	73.00	No Ice 1/2" Ice 1" Ice	8.34 11.52 14.73	8.34 11.52 14.73	0.11 0.18 0.27
Side Arm Mount [SO 701- 1]	A	From Leg	1.50 0.00 0.00	0.0000	73.00	No Ice 1/2" Ice 1" Ice	0.85 1.14 1.43	1.67 2.34 3.01	0.07 0.08 0.09

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

Comb. No.	Description
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	169 - 164.25	Pole	Max Tension	2	0.00	-0.00	-0.00
			Max. Compression	26	-1.58	0.01	-0.62
			Max. Mx	20	-0.74	8.07	-0.27
			Max. My	14	-0.74	-0.00	-8.40
			Max. Vy	20	-1.62	8.07	-0.27
			Max. Vx	2	-1.62	-0.00	7.73
			Max. Torque	8			-0.72
			Max Tension	1	0.00	0.00	0.00
L2	164.25 - 129.75	Pole	Max. Compression	26	-28.05	0.26	0.87
			Max. Mx	8	-15.83	-371.76	0.17
			Max. My	2	-15.80	-0.07	375.30
			Max. Vy	20	-16.88	371.67	0.19
			Max. Vx	2	-17.10	-0.07	375.30
			Max. Torque	12			-0.72
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.12	0.85	1.95
L3	129.75 - 96.08	Pole	Max. Mx	20	-31.58	1155.98	1.60
			Max. My	2	-31.56	1.00	1166.20
			Max. Vy	20	-28.85	1155.98	1.60
			Max. Vx	2	-29.03	1.00	1166.20
			Max. Torque	18			-0.72
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.26	2.61	5.52
			Max. Mx	20	-41.69	2138.48	3.94
L4	96.08 - 63.25	Pole	Max. My	2	-41.67	2.57	2155.05
			Max. Vy	20	-32.54	2138.48	3.94
			Max. Vx	2	-32.69	2.57	2155.05
			Max. Torque	18			-3.77
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.26	2.61	5.52
			Max. Mx	20	-41.69	2138.48	3.94
			Max. My	2	-41.67	2.57	2155.05

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L5	63.25 - 31.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-79.56	4.58	7.55
			Max. M _x	20	-53.04	3205.12	5.51
			Max. M _y	2	-53.03	4.23	3226.03
			Max. V _y	20	-35.55	3205.12	5.51
			Max. V _x	2	-35.70	4.23	3226.03
			Max. Torque	18			-4.11
L6	31.25 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.63	6.78	9.58
			Max. M _x	20	-67.99	4597.47	7.21
			Max. M _y	2	-67.99	6.15	4623.31
			Max. V _y	20	-38.45	4597.47	7.21
			Max. V _x	2	-38.59	6.15	4623.31
			Max. Torque	18			-4.10

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	35	97.63	10.07	-5.82
	Max. H _x	20	68.01	38.42	0.02
	Max. H _z	2	68.01	0.02	38.55
	Max. M _x	2	4623.31	0.02	38.55
	Max. M _z	8	4591.77	-38.42	-0.02
	Max. Torsion	6	4.07	-37.98	21.98
	Min. Vert	11	51.01	-33.28	-19.30
	Min. H _x	8	68.01	-38.42	-0.02
	Min. H _z	14	68.01	-0.02	-38.55
	Min. M _x	14	-4615.46	-0.02	-38.55
	Min. M _z	20	-4597.47	38.42	0.02
	Min. Torsion	18	-4.10	37.98	-21.98

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	56.68	0.00	0.00	-3.11	2.28	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	68.01	-0.02	-38.55	-4623.31	6.15	-0.07
0.9 Dead+1.0 Wind 0 deg - No Ice	51.01	-0.02	-38.55	-4562.24	5.37	-0.07
1.2 Dead+1.0 Wind 30 deg - No Ice	68.01	19.19	-33.37	-4002.85	-2291.59	-1.25
0.9 Dead+1.0 Wind 30 deg - No Ice	51.01	19.19	-33.37	-3949.82	-2262.51	-1.24
1.2 Dead+1.0 Wind 60 deg - No Ice	68.01	37.98	-21.98	-2517.32	-4332.27	-4.07
0.9 Dead+1.0 Wind 60 deg - No Ice	51.01	37.98	-21.98	-2484.56	-4278.31	-4.07
1.2 Dead+1.0 Wind 90 deg - No Ice	68.01	38.42	0.02	-0.62	-4591.77	-2.41
0.9 Dead+1.0 Wind 90 deg - No Ice	51.01	38.42	0.02	0.35	-4532.81	-2.41
1.2 Dead+1.0 Wind 120 deg - No Ice	68.01	33.28	19.30	2308.68	-3977.83	-2.07
0.9 Dead+1.0 Wind 120 deg - No Ice	51.01	33.28	19.30	2279.62	-3926.85	-2.07
1.2 Dead+1.0 Wind 150 deg	68.01	19.23	33.40	3998.29	-2297.28	-1.16

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
- No Ice						
0.9 Dead+1.0 Wind 150 deg	51.01	19.23	33.40	3947.25	-2268.13	-1.16
- No Ice						
1.2 Dead+1.0 Wind 180 deg	68.01	0.02	38.55	4615.46	-0.44	0.07
- No Ice						
0.9 Dead+1.0 Wind 180 deg	51.01	0.02	38.55	4556.44	-1.14	0.07
- No Ice						
1.2 Dead+1.0 Wind 210 deg	68.01	-19.19	33.37	3995.00	2297.28	1.28
- No Ice						
0.9 Dead+1.0 Wind 210 deg	51.01	-19.19	33.37	3944.01	2266.74	1.28
- No Ice						
1.2 Dead+1.0 Wind 240 deg	68.01	-37.98	21.98	2509.51	4337.95	4.10
- No Ice						
0.9 Dead+1.0 Wind 240 deg	51.01	-37.98	21.98	2478.78	4282.52	4.10
- No Ice						
1.2 Dead+1.0 Wind 270 deg	68.01	-38.42	-0.02	-7.21	4597.47	2.41
- No Ice						
0.9 Dead+1.0 Wind 270 deg	51.01	-38.42	-0.02	-6.15	4537.04	2.41
- No Ice						
1.2 Dead+1.0 Wind 300 deg	68.01	-33.28	-19.30	-2316.51	3983.54	2.03
- No Ice						
0.9 Dead+1.0 Wind 300 deg	51.01	-33.28	-19.30	-2285.42	3931.08	2.03
- No Ice						
1.2 Dead+1.0 Wind 330 deg	68.01	-19.23	-33.40	-4006.13	2302.99	1.12
- No Ice						
0.9 Dead+1.0 Wind 330 deg	51.01	-19.23	-33.40	-3953.06	2272.37	1.13
- No Ice						
1.2 Dead+1.0 Ice+1.0 Temp	97.63	-0.00	-0.00	-9.58	6.78	-0.00
1.2 Dead+1.0 Wind 0	97.63	-0.00	-11.24	-1371.19	7.61	-0.13
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 30	97.63	5.61	-9.73	-1188.44	-671.19	-0.49
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 60	97.63	10.07	-5.82	-706.82	-1197.64	-1.13
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 90	97.63	11.23	0.00	-9.08	-1350.50	-0.75
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 120	97.63	9.73	5.63	671.53	-1168.99	-0.58
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 150	97.63	5.62	9.74	1169.58	-672.40	-0.26
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	97.63	0.00	11.24	1351.63	6.21	0.13
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	97.63	-5.61	9.73	1168.88	685.02	0.49
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	97.63	-10.07	5.82	687.26	1211.47	1.13
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	97.63	-11.23	-0.00	-10.48	1364.33	0.75
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	97.63	-9.73	-5.63	-691.09	1182.82	0.58
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	97.63	-5.62	-9.74	-1189.14	686.23	0.26
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	56.68	-0.01	-9.72	-1158.55	3.19	-0.02
Dead+Wind 30 deg - Service	56.68	4.84	-8.41	-1003.36	-571.47	-0.32
Dead+Wind 60 deg - Service	56.68	9.57	-5.54	-632.02	-1082.15	-1.03
Dead+Wind 90 deg - Service	56.68	9.68	0.01	-2.43	-1146.73	-0.61
Dead+Wind 120 deg - Service	56.68	8.39	4.86	575.12	-993.19	-0.52
Dead+Wind 150 deg - Service	56.68	4.85	8.42	997.69	-572.90	-0.29
Dead+Wind 180 deg - Service	56.68	0.01	9.72	1152.06	1.54	0.02
Dead+Wind 210 deg - Service	56.68	-4.84	8.41	996.86	576.19	0.32
Dead+Wind 240 deg - Service	56.68	-9.57	5.54	625.52	1086.87	1.04
Dead+Wind 270 deg - Service	56.68	-9.68	-0.01	-4.07	1151.45	0.61
Dead+Wind 300 deg -	56.68	-8.39	-4.86	-581.62	997.92	0.52

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Service Dead+Wind 330 deg - Service	56.68	-4.85	-8.42	-1004.18	577.62	0.29

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	-56.68	0.00	0.00	56.68	0.00	0.000%
2	-0.02	-68.01	-38.55	0.02	68.01	38.55	0.000%
3	-0.02	-51.01	-38.55	0.02	51.01	38.55	0.000%
4	19.19	-68.01	-33.37	-19.19	68.01	33.37	0.000%
5	19.19	-51.01	-33.37	-19.19	51.01	33.37	0.000%
6	37.98	-68.01	-21.98	-37.98	68.01	21.98	0.000%
7	37.98	-51.01	-21.98	-37.98	51.01	21.98	0.000%
8	38.42	-68.01	0.02	-38.42	68.01	-0.02	0.000%
9	38.42	-51.01	0.02	-38.42	51.01	-0.02	0.000%
10	33.28	-68.01	19.30	-33.28	68.01	-19.30	0.000%
11	33.28	-51.01	19.30	-33.28	51.01	-19.30	0.000%
12	19.23	-68.01	33.40	-19.23	68.01	-33.40	0.000%
13	19.23	-51.01	33.40	-19.23	51.01	-33.40	0.000%
14	0.02	-68.01	38.55	-0.02	68.01	-38.55	0.000%
15	0.02	-51.01	38.55	-0.02	51.01	-38.55	0.000%
16	-19.19	-68.01	33.37	19.19	68.01	-33.37	0.000%
17	-19.19	-51.01	33.37	19.19	51.01	-33.37	0.000%
18	-37.98	-68.01	21.98	37.98	68.01	-21.98	0.000%
19	-37.98	-51.01	21.98	37.98	51.01	-21.98	0.000%
20	-38.42	-68.01	-0.02	38.42	68.01	0.02	0.000%
21	-38.42	-51.01	-0.02	38.42	51.01	0.02	0.000%
22	-33.28	-68.01	-19.30	33.28	68.01	19.30	0.000%
23	-33.28	-51.01	-19.30	33.28	51.01	19.30	0.000%
24	-19.23	-68.01	-33.40	19.23	68.01	33.40	0.000%
25	-19.23	-51.01	-33.40	19.23	51.01	33.40	0.000%
26	0.00	-97.63	0.00	0.00	97.63	0.00	0.000%
27	-0.00	-97.63	-11.24	0.00	97.63	11.24	0.000%
28	5.61	-97.63	-9.73	-5.61	97.63	9.73	0.000%
29	10.07	-97.63	-5.82	-10.07	97.63	5.82	0.000%
30	11.23	-97.63	0.00	-11.23	97.63	-0.00	0.000%
31	9.73	-97.63	5.63	-9.73	97.63	-5.63	0.000%
32	5.62	-97.63	9.74	-5.62	97.63	-9.74	0.000%
33	0.00	-97.63	11.24	-0.00	97.63	-11.24	0.000%
34	-5.61	-97.63	9.73	5.61	97.63	-9.73	0.000%
35	-10.07	-97.63	5.82	10.07	97.63	-5.82	0.000%
36	-11.23	-97.63	-0.00	11.23	97.63	0.00	0.000%
37	-9.73	-97.63	-5.63	9.73	97.63	5.63	0.000%
38	-5.62	-97.63	-9.74	5.62	97.63	9.74	0.000%
39	-0.01	-56.68	-9.72	0.01	56.68	9.72	0.000%
40	4.84	-56.68	-8.41	-4.84	56.68	8.41	0.000%
41	9.57	-56.68	-5.54	-9.57	56.68	5.54	0.000%
42	9.68	-56.68	0.01	-9.68	56.68	-0.01	0.000%
43	8.39	-56.68	4.86	-8.39	56.68	-4.86	0.000%
44	4.85	-56.68	8.42	-4.85	56.68	-8.42	0.000%
45	0.01	-56.68	9.72	-0.01	56.68	-9.72	0.000%
46	-4.84	-56.68	8.41	4.84	56.68	-8.41	0.000%
47	-9.57	-56.68	5.54	9.57	56.68	-5.54	0.000%
48	-9.68	-56.68	-0.01	9.68	56.68	0.01	0.000%
49	-8.39	-56.68	-4.86	8.39	56.68	4.86	0.000%
50	-4.85	-56.68	-8.42	4.85	56.68	8.42	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	4	0.00000001	0.00095342
3	Yes	4	0.00000001	0.00044309
4	Yes	6	0.00000001	0.00014944
5	Yes	6	0.00000001	0.00005113
6	Yes	6	0.00000001	0.00017061
7	Yes	6	0.00000001	0.00005747
8	Yes	5	0.00000001	0.00009946
9	Yes	5	0.00000001	0.00004643
10	Yes	6	0.00000001	0.00014852
11	Yes	6	0.00000001	0.00005084
12	Yes	6	0.00000001	0.00015230
13	Yes	6	0.00000001	0.00005222
14	Yes	4	0.00000001	0.00092466
15	Yes	4	0.00000001	0.00042006
16	Yes	6	0.00000001	0.00015257
17	Yes	6	0.00000001	0.00005231
18	Yes	6	0.00000001	0.00016091
19	Yes	6	0.00000001	0.00005392
20	Yes	5	0.00000001	0.00010709
21	Yes	5	0.00000001	0.00005022
22	Yes	6	0.00000001	0.00015377
23	Yes	6	0.00000001	0.00005271
24	Yes	6	0.00000001	0.00015073
25	Yes	6	0.00000001	0.00005152
26	Yes	4	0.00000001	0.00006361
27	Yes	5	0.00000001	0.00068152
28	Yes	5	0.00000001	0.00084187
29	Yes	5	0.00000001	0.00086642
30	Yes	5	0.00000001	0.00067163
31	Yes	5	0.00000001	0.00082973
32	Yes	5	0.00000001	0.00083350
33	Yes	5	0.00000001	0.00067172
34	Yes	5	0.00000001	0.00084197
35	Yes	5	0.00000001	0.00085075
36	Yes	5	0.00000001	0.00067747
37	Yes	5	0.00000001	0.00085445
38	Yes	5	0.00000001	0.00085264
39	Yes	4	0.00000001	0.00016992
40	Yes	4	0.00000001	0.00079496
41	Yes	5	0.00000001	0.00005458
42	Yes	4	0.00000001	0.00019458
43	Yes	4	0.00000001	0.00078008
44	Yes	4	0.00000001	0.00082967
45	Yes	4	0.00000001	0.00016878
46	Yes	4	0.00000001	0.00083857
47	Yes	4	0.00000001	0.00086599
48	Yes	4	0.00000001	0.00019637
49	Yes	4	0.00000001	0.00085910
50	Yes	4	0.00000001	0.00080993

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	169 - 164.25	26.381	41	1.2703	0.0015
L2	166.625 - 129.75	25.750	41	1.2699	0.0015
L3	133.58 - 96.08	17.271	41	1.1482	0.0015
L4	100.75 - 63.25	10.068	47	0.9222	0.0013
L5	68.75 - 31.25	4.758	47	0.6396	0.0010
L6	37.5 - 0	1.453	47	0.3473	0.0004

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
169.00	Lighting Rod 3/4" x 5'	41	26.381	1.2703	0.0015	38272
167.00	DB810T3E-XT w/ Mount Pipe	41	25.849	1.2700	0.0015	38272
164.00	APXVAARR24_43-U-NA20 w/ Mount Pipe	41	25.053	1.2680	0.0015	38272
155.00	APXVTM14-C-120 w/ Mount Pipe	41	22.684	1.2491	0.0016	20636
143.00	(2) LPA-80080/6CF w/ Mount Pipe	41	19.600	1.1997	0.0016	12887
132.00	MX08FRO665-21 w/ Mount Pipe	41	16.890	1.1389	0.0015	9750
120.00	4' x 2" Pipe Mount	47	14.101	1.0633	0.0014	8421
115.00	7770.00 w/ Mount Pipe	47	12.999	1.0291	0.0014	7977
104.00	APXV18-206517S-C w/ Mount Pipe	47	10.707	0.9479	0.0013	7149
73.00	DB810T3E-XT w/ Mount Pipe	47	5.359	0.6790	0.0011	6713

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	169 - 164.25	105.548	6	5.0904	0.0061
L2	166.625 - 129.75	103.022	6	5.0891	0.0062
L3	133.58 - 96.08	69.110	6	4.6011	0.0061
L4	100.75 - 63.25	40.288	18	3.6950	0.0052
L5	68.75 - 31.25	19.034	18	2.5610	0.0040
L6	37.5 - 0	5.809	18	1.3897	0.0018

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
169.00	Lighting Rod 3/4" x 5'	6	105.548	5.0904	0.0061	9976
167.00	DB810T3E-XT w/ Mount Pipe	6	103.421	5.0895	0.0062	9976
164.00	APXVAARR24_43-U-NA20 w/ Mount Pipe	6	100.236	5.0816	0.0062	9976
155.00	APXVTM14-C-120 w/ Mount Pipe	6	90.760	5.0058	0.0064	5269
143.00	(2) LPA-80080/6CF w/ Mount Pipe	6	78.428	4.8076	0.0063	3260
132.00	MX08FRO665-21 w/ Mount Pipe	6	67.586	4.5638	0.0061	2461
120.00	4' x 2" Pipe Mount	18	56.430	4.2607	0.0058	2122
115.00	7770.00 w/ Mount Pipe	18	52.017	4.1236	0.0056	2009
104.00	APXV18-206517S-C w/ Mount Pipe	18	42.846	3.7979	0.0053	1798
73.00	DB810T3E-XT w/ Mount Pipe	18	21.439	2.7193	0.0042	1682

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	169 - 164.25 (1)	TP26x18x0.25	4.75	0.00	0.0	17.258 6	-0.74	1009.63	0.001
L2	164.25 - 129.75 (2)	TP34.0625x21.5x0.3125	36.88	0.00	0.0	32.181 6	-15.80	1882.62	0.008
L3	129.75 - 96.08 (3)	TP41.75x32.1327x0.375	37.50	0.00	0.0	47.821 1	-31.46	2797.53	0.011
L4	96.08 - 63.25 (4)	TP49.0625x39.8023x0.37 5	37.50	0.00	0.0	56.333 7	-41.43	3295.52	0.013
L5	63.25 - 31.25 (5)	TP56.125x46.9543x0.375	37.50	0.00	0.0	64.537 2	-52.85	3775.43	0.014
L6	31.25 - 0 (6)	TP62.9375x53.8466x0.37 5	37.50	0.00	0.0	74.465 0	-67.99	4356.20	0.016

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M _{uy} kip-ft	φM _{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	169 - 164.25 (1)	TP26x18x0.25	8.40	571.42	0.015	0.00	571.42	0.000
L2	164.25 - 129.75 (2)	TP34.0625x21.5x0.3125	375.30	1557.39	0.241	0.00	1557.39	0.000
L3	129.75 - 96.08 (3)	TP41.75x32.1327x0.375	1166.22	2842.24	0.410	0.00	2842.24	0.000
L4	96.08 - 63.25 (4)	TP49.0625x39.8023x0.37 5	2208.31	3754.93	0.588	0.00	3754.93	0.000
L5	63.25 - 31.25 (5)	TP56.125x46.9543x0.375	3419.10	4686.48	0.730	0.00	4686.48	0.000
L6	31.25 - 0 (6)	TP62.9375x53.8466x0.37 5	5011.53	5847.24	0.857	0.00	5847.24	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V _u K	φV _n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T _u kip-ft	φT _n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	169 - 164.25 (1)	TP26x18x0.25	1.62	302.89	0.005	0.18	576.93	0.000
L2	164.25 - 129.75 (2)	TP34.0625x21.5x0.3125	17.10	564.79	0.030	0.53	1604.78	0.000
L3	129.75 - 96.08 (3)	TP41.75x32.1327x0.375	29.32	839.26	0.035	0.47	2952.96	0.000
L4	96.08 - 63.25 (4)	TP49.0625x39.8023x0.37 5	36.29	988.66	0.037	3.73	4097.85	0.001
L5	63.25 - 31.25 (5)	TP56.125x46.9543x0.375	40.66	1132.63	0.036	4.11	5378.23	0.001
L6	31.25 - 0 (6)	TP62.9375x53.8466x0.37 5	43.93	1306.86	0.034	4.10	7160.17	0.001

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	169 - 164.25 (1)	0.001	0.015	0.000	0.005	0.000	0.015	1.050	4.8.2
L2	164.25 - 129.75 (2)	0.008	0.241	0.000	0.030	0.000	0.250	1.050	4.8.2
L3	129.75 - 96.08 (3)	0.011	0.410	0.000	0.035	0.000	0.423	1.050	4.8.2
L4	96.08 - 63.25 (4)	0.013	0.588	0.000	0.037	0.001	0.602	1.050	4.8.2
L5	63.25 - 31.25 (5)	0.014	0.730	0.000	0.036	0.001	0.745	1.050	4.8.2
L6	31.25 - 0 (6)	0.016	0.857	0.000	0.034	0.001	0.874	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	169 - 164.25	Pole	TP26x18x0.25	1	-0.74	1060.11	1.5	Pass
L2	164.25 - 129.75	Pole	TP34.0625x21.5x0.3125	2	-15.80	1976.75	23.8	Pass
L3	129.75 - 96.08	Pole	TP41.75x32.1327x0.375	3	-31.46	2937.41	40.3	Pass
L4	96.08 - 63.25	Pole	TP49.0625x39.8023x0.375	4	-41.43	3460.30	57.3	Pass
L5	63.25 - 31.25	Pole	TP56.125x46.9543x0.375	5	-52.85	3964.20	70.9	Pass
L6	31.25 - 0	Pole	TP62.9375x53.8466x0.375	6	-67.99	4574.01	83.2	Pass
							Summary	
							Pole (L6)	83.2 Pass
							RATING =	83.2 Pass

APPENDIX B
BASE LEVEL DRAWING



(OTHER CONSIDERED EQUIPMENT—IN (2) CONDUITS)
(3) 3/8" TO 115 FT LEVEL
(6) 5/8" TO 115 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(12) 1-5/8" TO 115 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 7/8" TO 73 FT LEVEL

CLIMBING RUNGS
W/ SAFETY CLIMB

(PROPOSED EQUIPMENT CONFIGURATION)
(8) 1-5/8" TO 143 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/2" TO 132 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(6) 1-5/8" TO 104 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(4) 1-1/4" TO 155 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(7) 7/8" TO 167 FT LEVEL
(PLYMOUTH CT, TOWN OF)

(OTHER CONSIDERED EQUIPMENT)
(3) 1-5/8" TO 164 FT LEVEL
(T-MOBILE)

(OTHER CONSIDERED EQUIPMENT)
(2) 7/8" TO 164 FT LEVEL

Q4 Q1
Q3 Q2

APPENDIX C
ADDITIONAL CALCULATIONS

Monopole Base Plate Connection

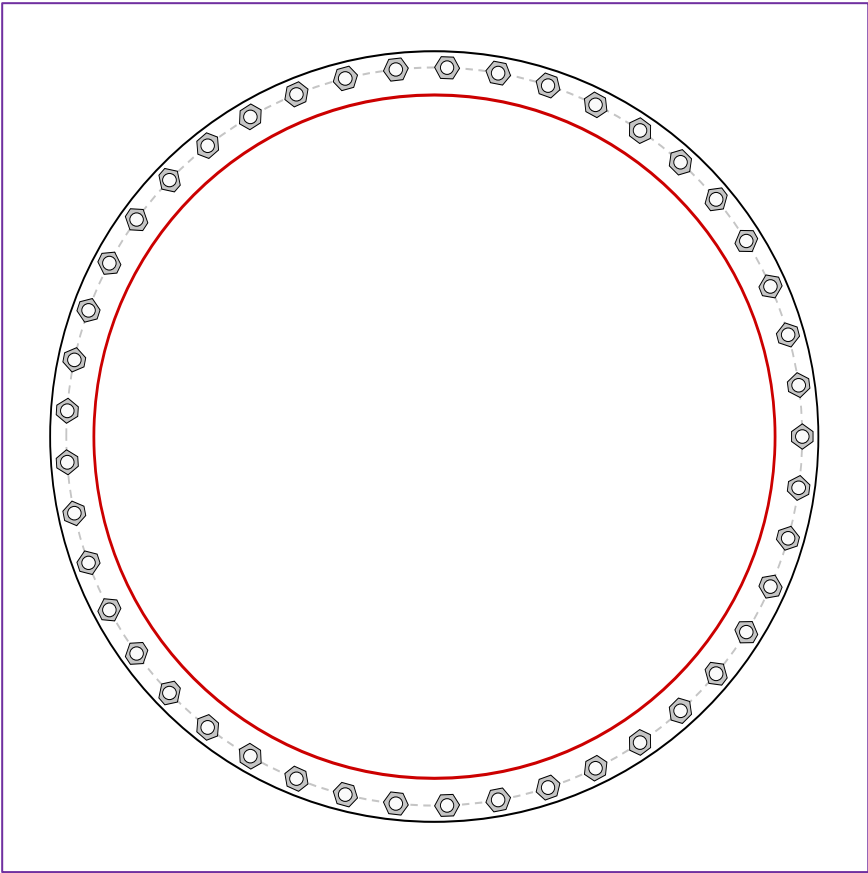


Site Info	
BU #	826768
Site Name	Plymouth/RT 6
Order #	658653 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l _{ar} (in)	1.5

Applied Loads	
Moment (kip-ft)	5011.53
Axial Force (kips)	67.99
Shear Force (kips)	43.93

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
(45) 1-1/4" $\varnothing$ bolts (A687 N; F _y =105 ksi, F _u =125 ksi) on 68" BC		Pu _t = 77.09	ϕ Pn _t = 90.84 Stress Rating
Base Plate Data		Vu = 0.98	ϕ Vn = 57.52 80.8%
71" OD x 2.5" Plate (A572-50; F _y =50 ksi, F _u =65 ksi)		Mu = 0.95	ϕ Mn = 30.76 Pass
Stiffener Data		Base Plate Summary	
N/A		Max Stress (ksi):	-
Pole Data		Allowable Stress (ksi):	-
62.9375" x 0.375" 18-sided pole (A572-65; F _y =65 ksi, F _u =80 ksi)		Stress Rating:	Pi rod OK

Pier and Pad Foundation



BU # : 826768
 Site Name: Plymouth/RT 6
 App. Number: 658653 Rev. 0

TIA-222 Revision: H
 Tower Type: Monopole

Top & Bot. Pad Rein. Different?: ☐
 Block Foundation?: ☐
 Rectangular Pad?: ☐

Superstructure Analysis Reactions		
Compression, P_{comp} :	68.01	kips
Base Shear, Vu_{comp} :	43.88	kips
Moment, M_u :	5011.53	ft-kips
Tower Height, H :	169	ft
BP Dist. Above Fdn, bp_{dist} :	2.75	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, $dpier$:	7.5	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, Sc :	9	
Pier Rebar Quantity, mc :	39	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	11	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

Pad Properties		
Depth, D :	8.5	ft
Pad Width, W_1 :	27	ft
Pad Thickness, T :	2.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	36	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	4	ksi
Dry Concrete Density, δ_c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	125	pcf
Ultimate Gross Bearing, Q_{ult} :	12.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	34	degrees
SPT Blow Count, N_{blows} :	104	
Base Friction, μ :	0.6	
Neglected Depth, N :	4.17	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	14	ft

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	544.58	43.88	7.7%	Pass
Bearing Pressure (ksf)	9.00	2.64	29.4%	Pass
Overturning (kip*ft)	9552.75	5416.51	56.7%	Pass
Pier Flexure (Comp.) (kip*ft)	6866.71	5296.75	73.5%	Pass
Pier Compression (kip)	28118.83	119.70	0.4%	Pass
Pad Flexure (kip*ft)	3941.07	1859.82	44.9%	Pass
Pad Shear - 1-way (kips)	777.90	281.82	34.5%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.190	0.067	33.6%	Pass
Flexural 2-way (Comp) (kip*ft)	4354.14	3178.05	69.5%	Pass

*Rating per TIA-222-H Section 15.5

Structural Rating*:	73.5%
Soil Rating*:	56.7%

<--Toggle between Gross and Net

ASCE 7 Hazards Report

Address:

No Address at This Location

Standard:

ASCE/SEI 7-16

Risk Category: II**Soil Class:**

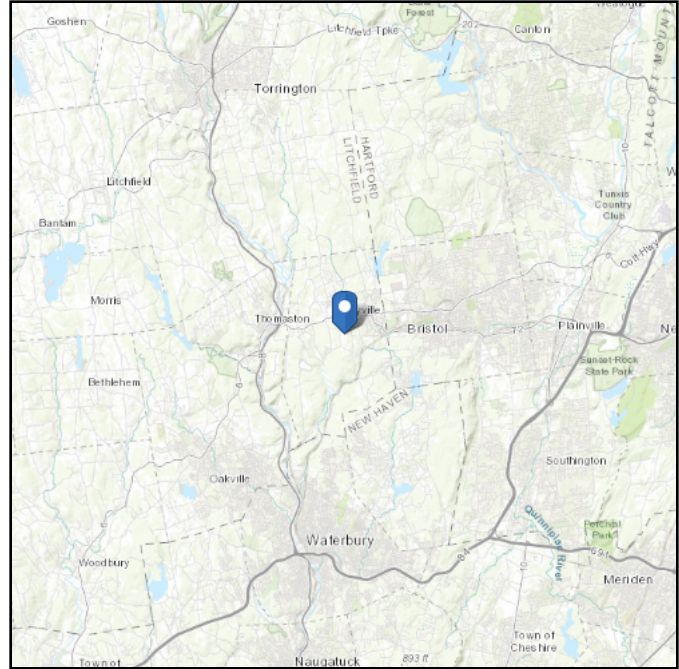
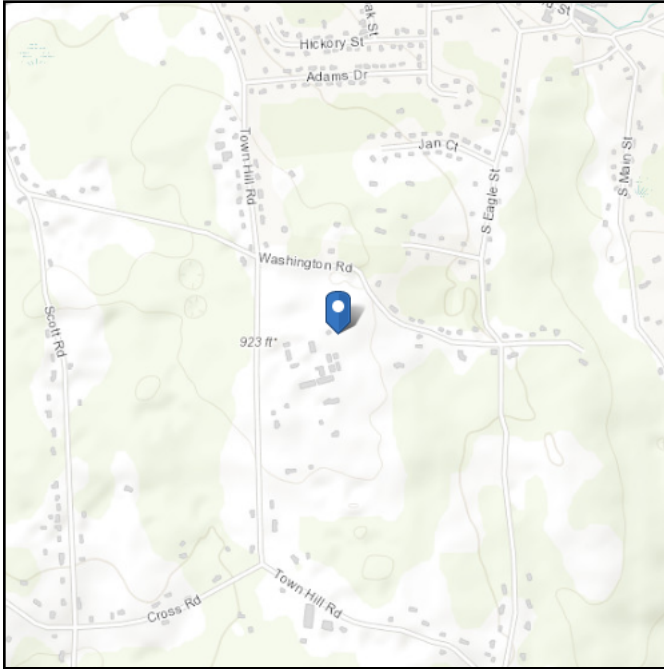
D - Default (see
Section 11.4.3)

Latitude:

41.668388

Longitude: -73.019956**Elevation:**

889.7415205550611 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:

Mon Oct 16 2023

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).

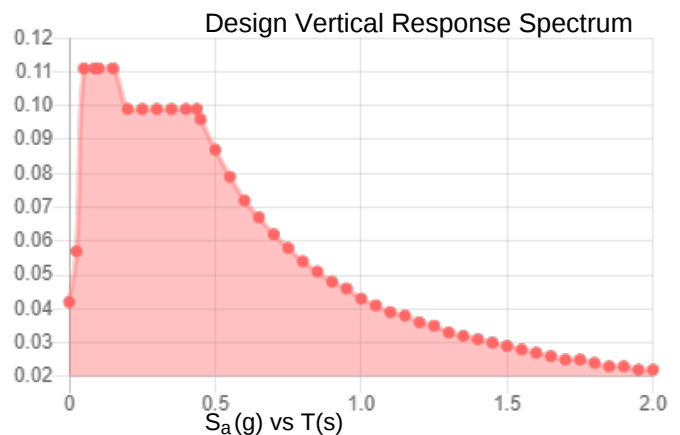
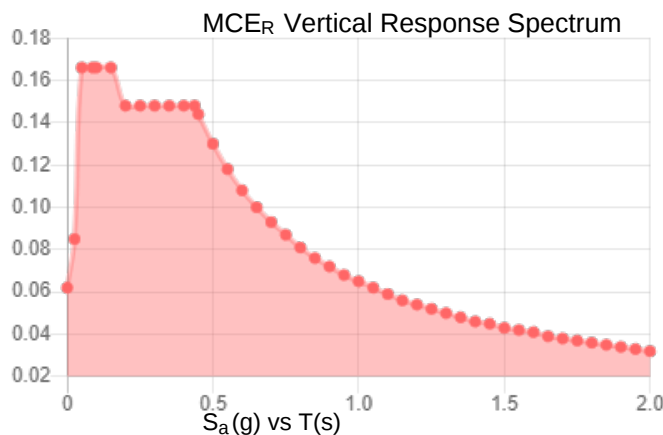
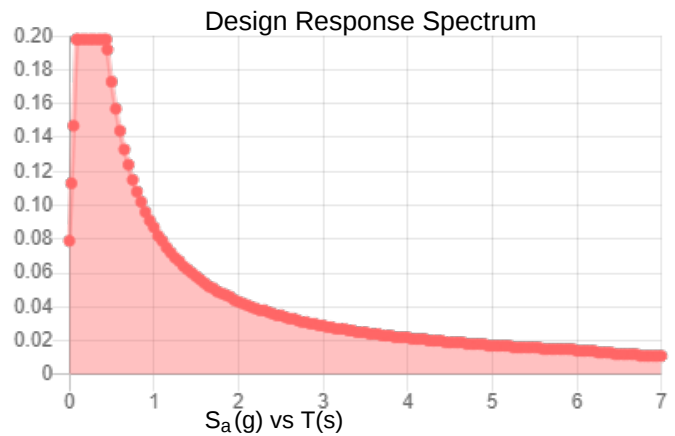
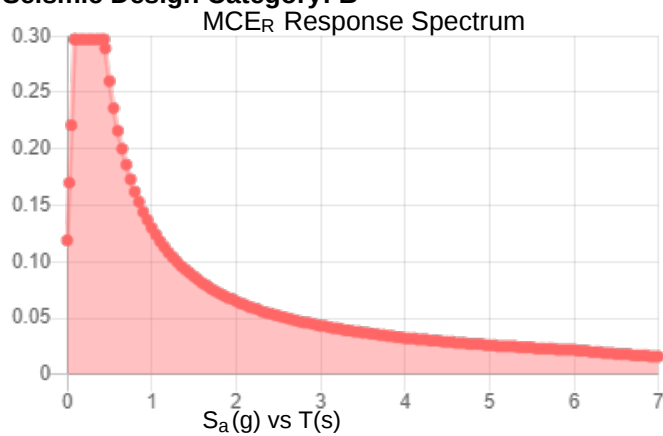
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class:

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 _M :	0.161
S_{MS} :	0.297	F_{PGA} :	1.599
S_{M1} :	0.13	I_e :	1
S_{DS} :	0.198	C_v :	0.7

Seismic Design Category: B



Data Accessed:

Mon Oct 16 2023

Date Source:

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

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: Mon Oct 16 2023

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

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

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