



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

September 26, 2023

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

RE: **Notice of Exempt Modification for Verizon
Crown #826217_Crown_VZW
240 Kensington Road, Berlin, CT 06037
Latitude: 41° 37' 34.298" / Longitude: -72° 46' 32.329"**

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 240 Kensington Road, Berlin, CT 06037. The property is owned by the Town of Berlin and the tower is owned by Crown Castle. Verizon now intends to add one (1) interference mitigation filter to be installed at the 160-foot level of the tower of the 190-foot monopole. This modification may include B2, B5, B17, B14, B29, B30, B66 & n77 hardware that is 4G(LTE) and/or 5GNR capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:

Installed New:

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

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

The facility was approved by the Town of Berlin Planning & Zoning Commission on December 10, 1998. 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 Town Manager Arosha Jayawickrema, as both the municipality and property owner, Town Planner Maureen Giusti, and Crown Castle is the tower owner. The proposed modifications will not result in an increase in the height of the existing tower.

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

The Foundation for a Wireless World.

CrownCastle.com

Melanie A. Bachman

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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:

Town Manager Arosha Jayawickrema
Berlin Town Hall
240 Kensington Road
Berlin, CT 06037
860-828-7003

Maureen Giusti, Town Planner/ZEO
Berlin Town Hall
240 Kensington Road
Berlin, CT 06037
860-828-7060

Crown Castle, Tower Owner

From: TrackingUpdates@fedex.com
To: [Tatasciore, Domenica](#)
Subject: FedEx Shipment 773394576380: Your package has been delivered
Date: Tuesday, September 26, 2023 9:49:07 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.



Hi. Your package was
delivered Tue, 09/26/2023 at
9:39am.



Delivered to 240 KENSINGTON RD, BERLIN, CT 06037

[OBTAIN PROOF OF DELIVERY](#)

How was your delivery ?



TRACKING NUMBER	773394576380
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Berlin Town Hall Town Manager Arosha Jayawickrema 240 Kensington Road BERLIN, CT, US, 06037
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 9/25/2023 05:35 PM
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	BERLIN, CT, US, 06037
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

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Enter your tracking number to see your [estimated delivery time](#) within a 4-hour window.

[TRACK A PACKAGE](#)

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To: [Tatasciore, Domenica](#)
Subject: FedEx Shipment 773394594450: Your package has been delivered
Date: Tuesday, September 26, 2023 9:48:36 AM

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Delivered to 240 KENSINGTON RD, BERLIN, CT 06037

[OBTAIN PROOF OF DELIVERY](#)

How was your delivery ?



TRACKING NUMBER	773394594450
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Berlin Town Hall Maureen Giusti, Town Planner/ZEO 240 Kensington Road BERLIN, CT, US, 06037
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 9/25/2023 05:35 PM
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	BERLIN, CT, US, 06037
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

Wondering when a package will arrive?

Enter your tracking number to see your estimated delivery time within a 4-hour window.

[TRACK A PACKAGE](#)

Town of Berlin

Department of Development Services

December 31, 1998

NOTICE OF DECISION

BERLIN PLANNING AND ZONING COMMISSION

Application: Special Permit
 Applicant: Omnipoint Communications, Inc.
 Location: Lot 29, Block 54, 240 Kensington Road

000047

At its Regular Meeting of December 10, 1998, the Berlin Planning and Zoning Commission voted four to two, with one abstention to approve the Special Permit of Omnipoint Communications for a 190' telecommunications tower at Lot 29, Block 54, 240 Kensington Road.

Town of Berlin
Owner of Record

RECEIVED
 AT 9 HR 15 MIN 11 AM
 JANUARY 7, 1999
 AND RECORDED IN
 BERLIN LAND RECORDS

Brian J. Miller
 Brian J. Miller, AICP
 Director of Development Services

VOL 415 PAGE 924
James D. Vail
 TOWN CLERK

Visit Our Web Site: <http://www.edc.ci.berlin.ct.us>

Town of Berlin, Connecticut • Planning and Zoning Commission
240 Kensington Road • Berlin, CT 06037 • (860) 828-7060 • Fax (860) 828-7180



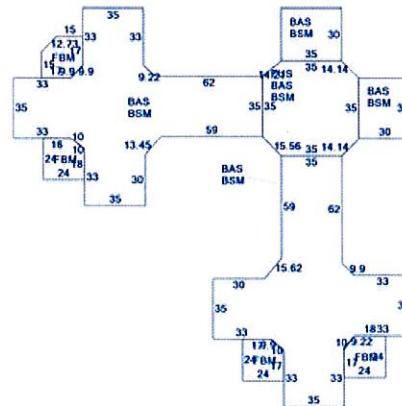
Property Information

Property Location	240 KENSINGTON RD
Owner	BERLIN TOWN OF
Co-Owner	TOWN HALL COMPLEX
Mailing Address	240 KENSINGTON ROAD KENSINGTON CT 06037
Land Use	9031 Municipal MDL-96
Land Class	E
Zoning Code	R-15
Census Tract	4003

Photo



Sketch



District	1
Acreage	25.1
Utilities	All Public
Book / Page	0165/0370

Primary Construction Details

Year Built	1975
Building Desc.	Municipal MDL-94
Building Style	Other Municip
Stories	1
Occupancy	1.00
Exterior Walls	Brick Veneer
Exterior Walls 2	
Roof Style	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Walls	Drywall/Plaste
Interior Walls 2	
Interior Floors 1	Carpet
Interior Floors 2	

Heating Fuel	Oil/Gas
Heating Type	Hot Water
AC Type	Central
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	
Bath Style	
Kitchen Style	
Fin BSMT Area	
Fin BSMT Quality	
Fin BSMT Area 2	
Fin BSMT Qual 2	

BSMT Garages	0
Fireplaces	0
Whirlpool Tub	0
Building Use	Comm/Ind
Building Condition	G
Industrial / Commercial Details (*Residential Not Applicable)	
Heat / AC	HEAT/AC PKGS
Frame Type	MASONRY
Baths / Plumbing	AVERAGE
Ceiling / Wall	SUS-CEIL & WL
Rooms / Prtns	AVERAGE
Wall Height	10
First Floor Use	9031



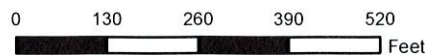
Town of Berlin, Connecticut - Assessment Parcel Map

Parcel: 9-3-54-29-8026

Address: 240 KENSINGTON RD



Approximate Scale: 1 inch = 274 feet



Map Produced: November 2022

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

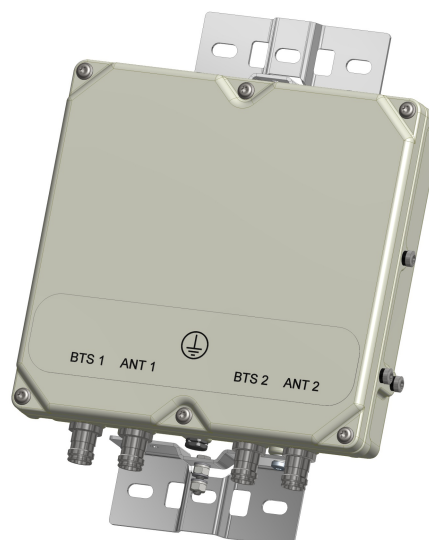
BSF0020F3V1-1

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

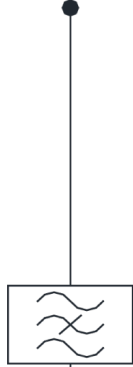
BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 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



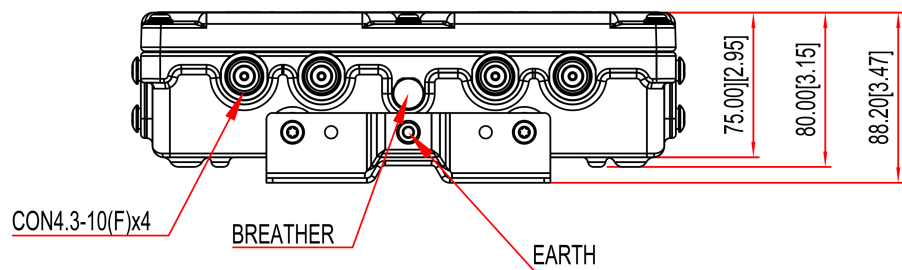
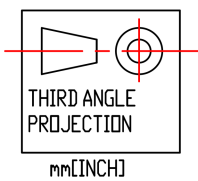
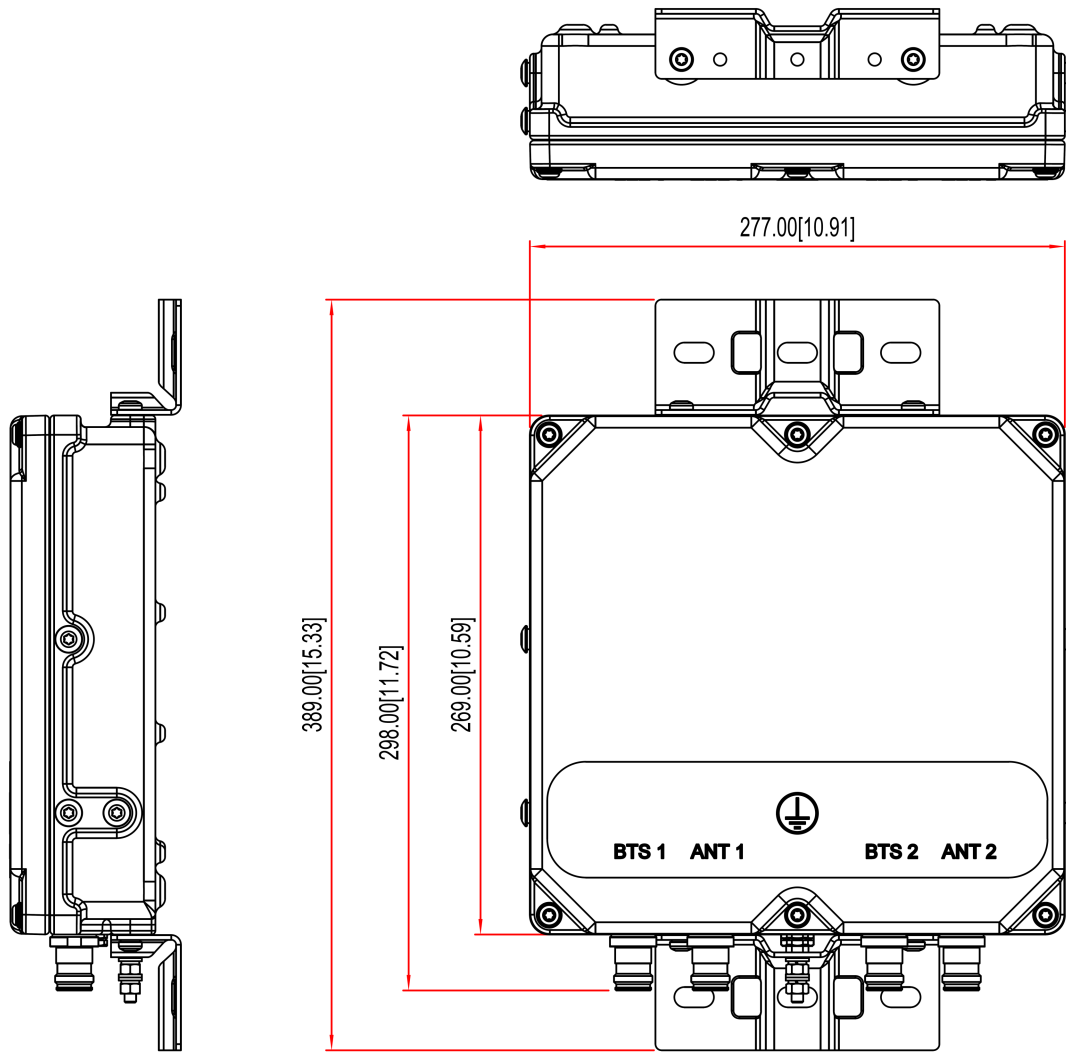
BTS1

ANT2



BTS2

MECHANICAL BLOCK DIAGRAM





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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10206410
Colliers Engineering & Design CT, PC Project #:23777057

July 10, 2023

Site Information

Site ID: 5000175325-VZW / BERLIN KENSINGTON CT
Site Name: BERLIN KENSINGTON CT
Carrier Name: Verizon Wireless
Address: 240 Kensington Road
Berlin, Connecticut 06037
Hartford County
Latitude: 41.626194°
Longitude: -72.775647°

Structure Information

Tower Type: 185-Ft Monopole
Mount Type: 13.00-Ft Platform

FUZE ID # 17123740

Analysis Results

Platform: 50.3% 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: Jared Adkins

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
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS, Site ID: 674839, dated August 26, 2021</i>
<i>Mount Mapping Report</i>	<i>Hudson Design Group, LLC, Site ID: 535818, dated June 16, 2021</i>
<i>Previous Mount Analysis Report</i>	<i>Maser Consulting Connecticut, Project #: 21781038, dated September 7, 2021</i>
<i>Final Loading Configuration</i>	<i>Filter Add Scope Provided by Verizon Wireless</i>

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: 1.50 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.995
Seismic Parameters:	S_s : 0.201 g S_1 : 0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
158.00	160.00	3	Samsung	MT6407-77A	Retained
		6	Commscope	NNHH-65B-R4	
		1	Andrew	HBXX-6517DS-A2M	
		2	Andrew	LNx-6514DS-A1M	
		2	Raycap	RRFDC-3315-PF-48	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	KAelus	BSF0020F3V1-1	Added

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o Bolts ASTM A325
8. It is assumed that the mount modifications listed under Sources of Information have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
<i>Standoff Horizontal</i>	18.7 %	Pass
<i>Corner Plate</i>	23.1 %	Pass
<i>Grating Support</i>	16.0 %	Pass
<i>Cross Arm Plate</i>	31.4 %	Pass
<i>Face Horizontal</i>	14.7 %	Pass
<i>Mount Pipe</i>	32.6 %	Pass
<i>Support Rail</i>	39.7 %	Pass
<i>Kicker</i>	14.8 %	Pass
<i>Mount Connection</i>	50.3 %	Pass

Structure Rating – (Controlling Utilization of all Components)	50.3%
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Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	29.1	29.1	43.9	43.9
0.5	37.7	37.7	58.8	58.8
1	45.4	45.4	72.7	72.7

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 to verify that all modifications and equipment are installed per previous mount modification analysis done by Maser Consulting Connecticut, 21781038, dated September 7, 2021

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 #: 5000175325

SMART Project #: 10206410

Fuze Project ID: 17123740

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 to verify that all modifications and equipment are installed per previous mount modification analysis done by Maser Consulting Connecticut, 21781038, dated September 7, 2021

Response:

Special Instruction Confirmation:

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

OR

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

Comments:

--

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

Yes No

Contractor certifies no new damage created during the current installation:

Yes No

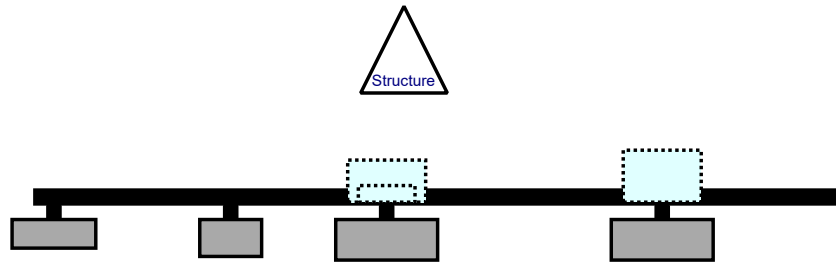
Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

Safety Climb in Good Condition Safety Climb Damaged

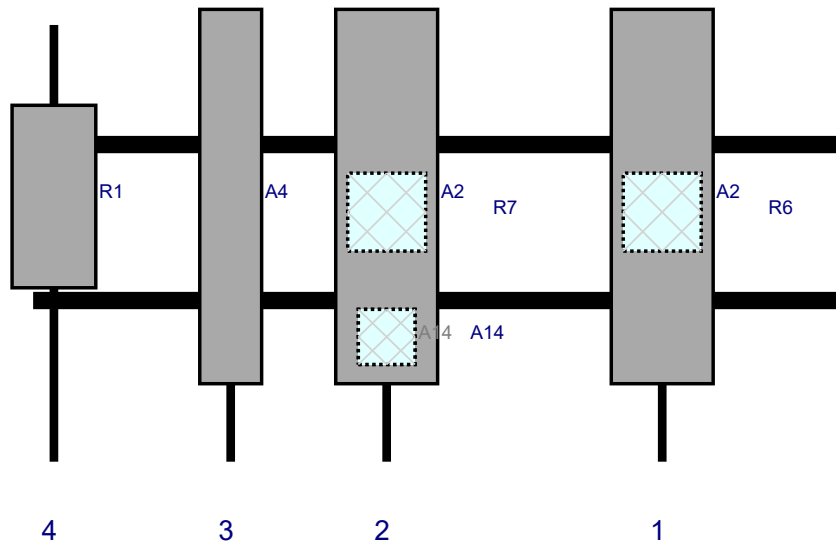
Certifying Individual:

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

Plan View

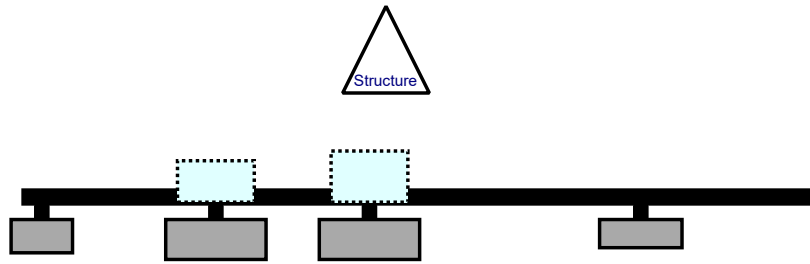


Front View - Looking at Structure

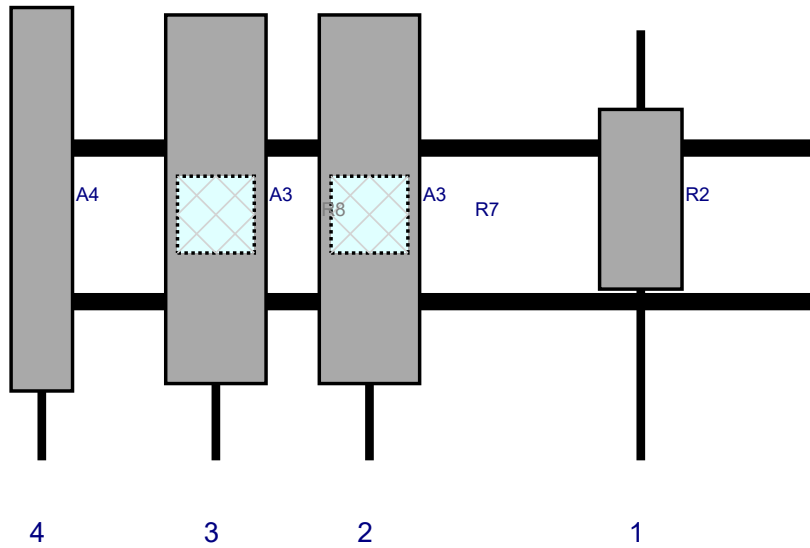


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	NNHH-65B-R4	72	19.6	121	1	a	Front	33	0	Retained	06/16/2021
R6	B2/B66A RRH-BR049	15	15	121	1	a	Behind	36	0	Retained	06/16/2021
A2	NNHH-65B-R4	72	19.6	68	2	a	Front	33	0	Retained	06/16/2021
R7	B5/B13 RRH-BR04C	15	15	68	2	a	Behind	36	0	Retained	06/16/2021
A14	BSF0020F3V1-1	10.6	10.9	68	2	a	Behind	60	0	Added	
A14	BSF0020F3V1-1	10.6	10.9	68	2	b	Behind	60	0	Added	
A4	LNx-6514DS-A1M	72	11.9	38	3	a	Front	33	0	Retained	06/16/2021
R1	MT6407-77A	35.1	16.1	4	4	a	Front	33	0	Retained	
M101	RRFDC-3315-PF-48	29.5	16.5			Member				Retained	06/16/2021
M103	RRFDC-3315-PF-48	29.5	16.5			Member				Retained	06/16/2021

Plan View

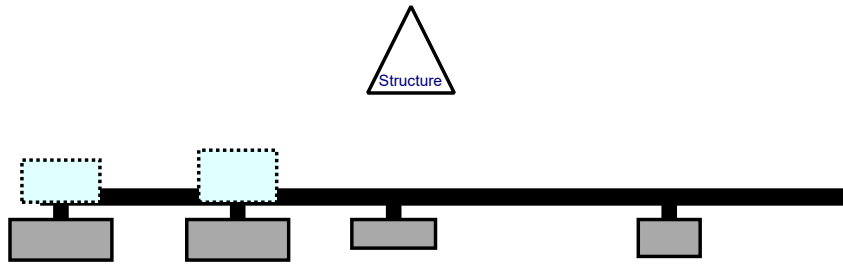


Front View - Looking at Structure

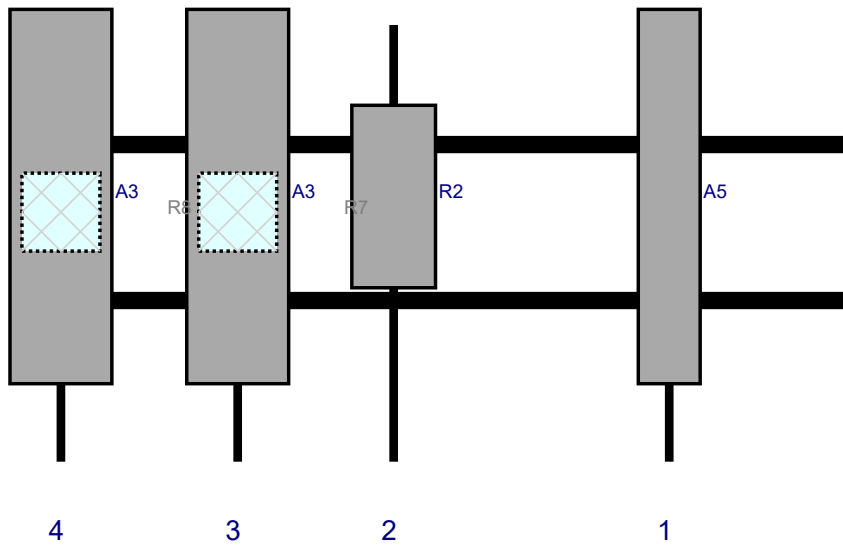


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	121	1	a	Front	33	0	Retained	
A3	NNHH-65B-R4	72	19.6	68	2	a	Front	33	0	Retained	06/16/2021
R7	B2/B66A RRH-BR049	15	15	68	2	a	Behind	36	0	Retained	06/16/2021
A3	NNHH-65B-R4	72	19.6	38	3	a	Front	33	0	Retained	06/16/2021
R8	B5/B13 RRH-BR04C	15	15	38	3	a	Behind	36	0	Retained	06/16/2021
A4	HBXX-6517DS-A2M	74.9	12	4	4	a	Front	33	0	Retained	06/16/2021

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	LNx-6514DS-A1M	72	11.9	121	1	a	Front	33	0	Retained	06/16/2021
R2	MT6407-77A	35.1	16.1	68	2	a	Front	33	0	Retained	
A3	NNHH-65B-R4	72	19.6	38	3	a	Front	33	0	Retained	06/16/2021
R7	B2/B66A RRH-BR049	15	15	38	3	a	Behind	36	0	Retained	06/16/2021
A3	NNHH-65B-R4	72	19.6	4	4	a	Front	33	0	Retained	06/16/2021
R8	B5/B13 RRH-BR04C	15	15	4	4	a	Behind	36	0	Retained	06/16/2021





Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Crown	Mapping Date:	6/16/2021
Site Name:	BERLIN KENSINGTON CT	Tower Type:	Monopole
Site Number or ID:	535818	Tower Height (Ft.):	185
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	161.2

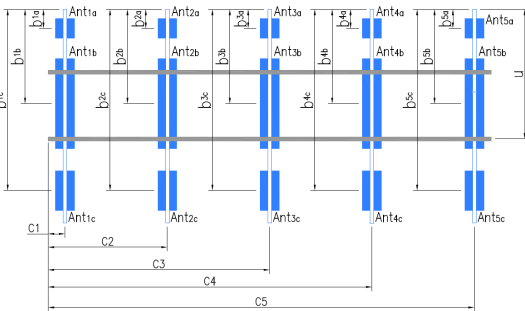
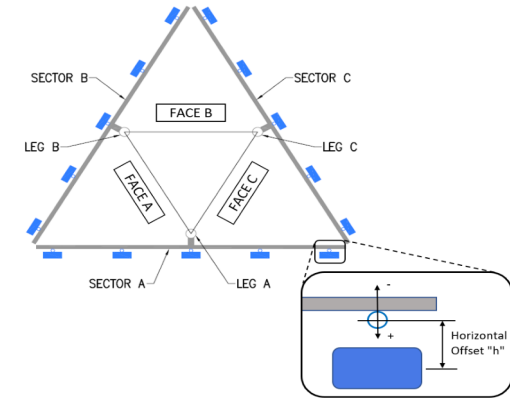
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Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 72" LONG	44.00	35.00	C1	2" STD. PIPE X 72" LONG	44.00	35.00
A2	2" STD. PIPE X 84" LONG	53.00	88.00	C2	2" STD. PIPE X 84" LONG	53.00	88.00
A3	2" STD. PIPE X 84" LONG	53.00	118.00	C3	2" STD. PIPE X 84" LONG	53.00	118.00
A4	2" STD. PIPE X 72" LONG	36.00	152.00	C4	2" STD. PIPE X 72" LONG	36.00	152.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	44.00	35.00	D1			
B2	2" STD. PIPE X 84" LONG	53.00	88.00	D2			
B3	2" STD. PIPE X 84" LONG	53.00	118.00	D3			
B4	2" STD. PIPE X 72" LONG	36.00	152.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details.:	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.):	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.):	2.5
Please enter additional information or comments below.	
Tower Face Width at Mount Elev. (ft.):	24.8
Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	0.375
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.	

Ants. Items	Enter antenna model. If not labeled, enter "Unknown".					Mounting Locations [Units are inches and degrees]			Photos of antennas	
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b} ,..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)		Antenna Azimuth (Degrees)
Sector A										
Ant _{1a}	RFV01U-D1A	16.00	12.00	16.00		162.117	33.00	-10.00		127,132
Ant _{1b}	NNHH-65B-R4-V1	20.00	8.00	72.00		161.617	39.00	9.50	100.00	32,130
Ant _{1c}										
Ant _{2a}	RFV01U-D2A	16.00	10.00	16.00		162.867	33.00	-9.00		127,133
Ant _{2b}	NNHH-65B-R4-V1	20.00	8.00	72.00		162.367	39.00	9.50	100.00	33,131
Ant _{2c}										
Ant _{3a}										
Ant _{3b}	LNX-8513DS-A1M	12.00	8.00	72.00		163.2	29.00	8.00	100.00	34,138
Ant _{3c}										
Ant _{4a}										
Ant _{4b}	HBX-6517-DS-VTM	7.00	3.50	74.00		162.283	23.00	6.00	100.00	34,124
Ant _{4c}										
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										



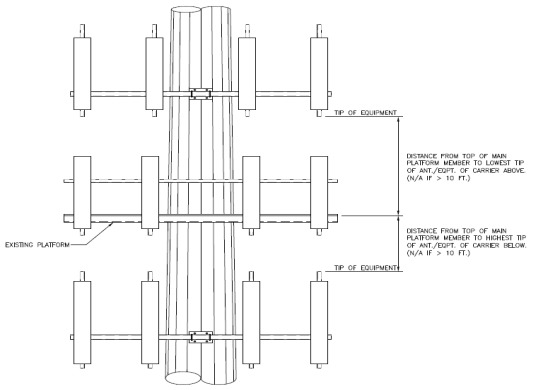
Antenna Layout (Looking Out From Tower)

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector			Sector B									
Sector A:	100.00	Deg	Leg A:		Deg	Ant _{1a}									
Sector B:	220.00	Deg	Leg B:		Deg	Ant _{1b}	LNX-8513DS-A1M	12.00	8.00	72.00	162.45	29.00	8.00	220.00	41,138
Sector C:	340.00	Deg	Leg C:		Deg	Ant _{1c}									
Sector D:		Deg	Leg D:		Deg	Ant _{2a}	RFV01U-D1A	16.00	12.00	16.00	162.867	33.00	-10.00		129,132
						Ant _{2b}	NNHH-65B-R4-V1	20.00	8.00	72.00	162.367	39.00	9.50	220.00	42,130
						Ant _{2c}									

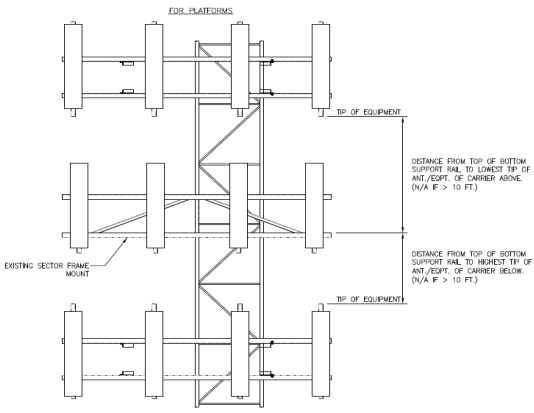
Climbing Facility Information			
Location:	180.00	Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.	
	Access:	Climbing path was unobstructed.	
	Condition:	Good condition.	

Ant _{3a}	RFV01U-D2A	16.00	10.00	16.00	162.867	33.00	-9.00		129,133
Ant _{3b}	NNHH-65B-R4-V1	20.00	8.00	72.00	162.367	39.00	9.50	220.00	43,131
Ant _{3c}									
Ant _{4a}									
Ant _{4b}	HBX-6517-DS-VTM	7.00	3.50	74.00	162.283	23.00	6.00	220.00	43,124
Ant _{4c}									
Ant _{5a}									
Ant _{5b}									
Ant _{5c}									
Ant on Standoff									
Ant on Standoff									
Ant on Tower									
Ant on Tower									

Please insert a photo of the mount centerline measurement here.

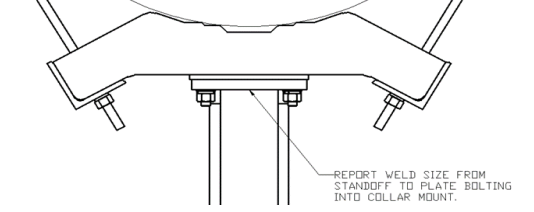


Sector C										
Ant _{1a}										
Ant _{1b}	LNX-8513DS-A1M	12.00	8.00	72.00	162.45	29.00	8.00	340.00	21,138	
Ant _{1c}										
Ant _{2a}										
Ant _{2b}	HBX-6517-DS-VTM	7.00	3.50	74.00	163.7	23.00	6.00	340.00	21,124	
Ant _{2c}										
Ant _{3a}	RFV01U-D1A	16.00	12.00	16.00	162.867	33.00	-10.00		129,132	
Ant _{3b}	NNHH-65B-R4-V1	20.00	8.00	72.00	162.367	39.00	9.50	340.00	21,130	
Ant _{3c}										
Ant _{4a}	RFV01U-D2A	16.00	10.00	16.00	161.45	33.00	-9.00		129,133	
Ant _{4b}	NNHH-65B-R4-V1	20.00	8.00	72.00	160.95	39.00	9.50	340.00	21,131	
Ant _{4c}										
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										



Sector D										
Ant _{1a}										
Ant _{1b}										
Ant _{1c}										
Ant _{2a}										
Ant _{2b}										
Ant _{2c}										
Ant _{3a}										
Ant _{3b}										
Ant _{3c}										
Ant _{4a}										
Ant _{4b}										
Ant _{4c}										
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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



Observed Safety and Structural Issues During the Mount Mapping

Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System

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

Mapping Notes

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

Standard Conditions

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



Antenna Mount Mapping Form (PATENT PENDING)

FCC #

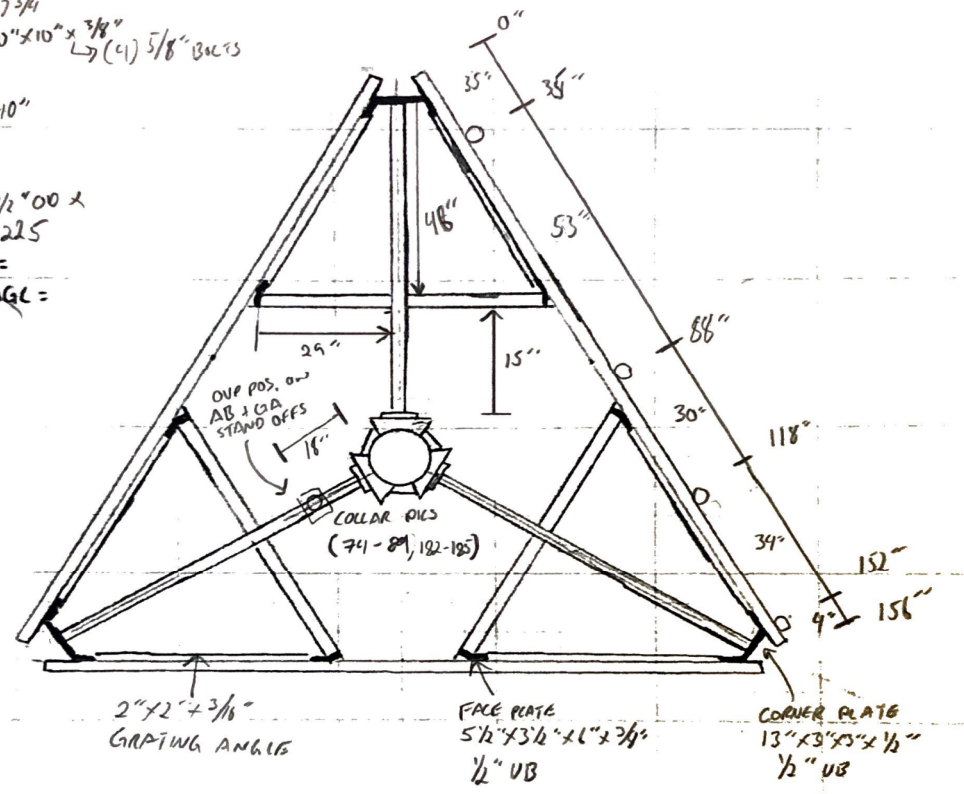
Tower Owner:	Crown	Mapping Date:	6/16/2021
Site Name:	BERLIN KENSINGTON CT	Tower Type:	Monopole
Site Number or ID:	535818	Tower Height (FT.):	185
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (FT.):	161.2

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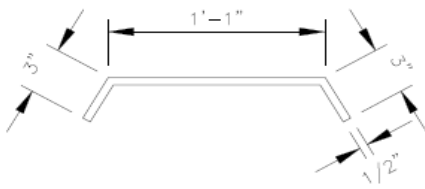
Please Insert Sketches of the Antenna Mount

TOT = 190-185
 MOUNT CL = 161'2"
 TOWER D = 25"
 ↳ WALL = .402"
 COLLAR = 10" x
 - T ROD = (27 3/4)"
 - PLATE = 10" x 10" x 3/8" ↳ (C1) 5/8" BOLTS
 HSS = 4" x 4"
 ↳ WALL = .210"
 T-F = 37"
 T-A = 69"
 FACE PIPE = 3 1/2" O.D. x
 ↳ WALL = .225"
 ANT MASTS =
 TOP OF MAST AGL =

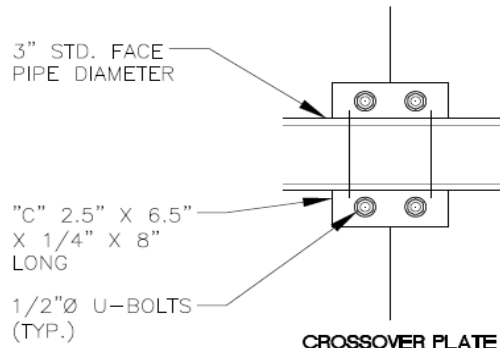
BERLIN KENSINGTON CT
 0616 2021
 TD



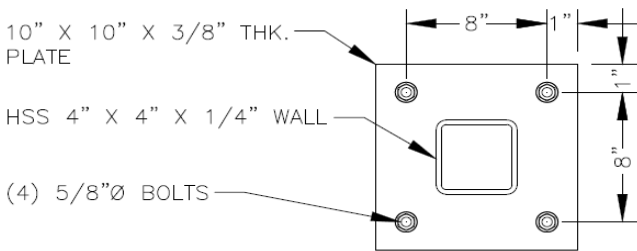
CROSS PLATES
 P 1, 3, 4 PICS (103-106)
 6'6" x 2 1/2" x 8" x 1/4"
 1/2" UB
 P2 PICS (152-154)
 5" x 10" x 3/8"
 1/2" UB
 157B



DETAIL J
APEX 'A' PLATE DETAIL

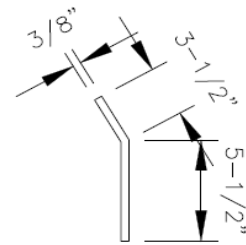


CROSSOVER PLATE DETAIL



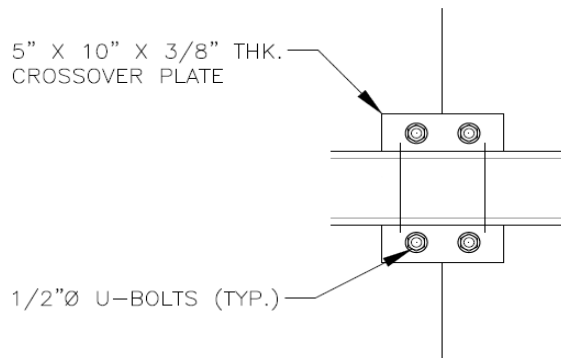
STANDOFF TO RING MOUNT CONNECTION

DETAIL M

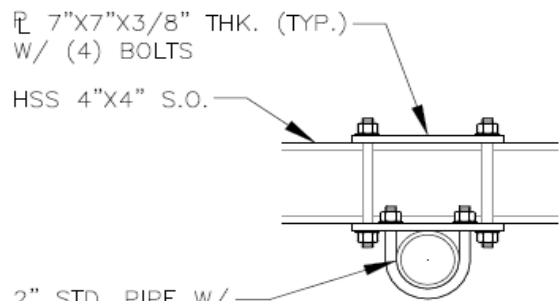


DETAIL K

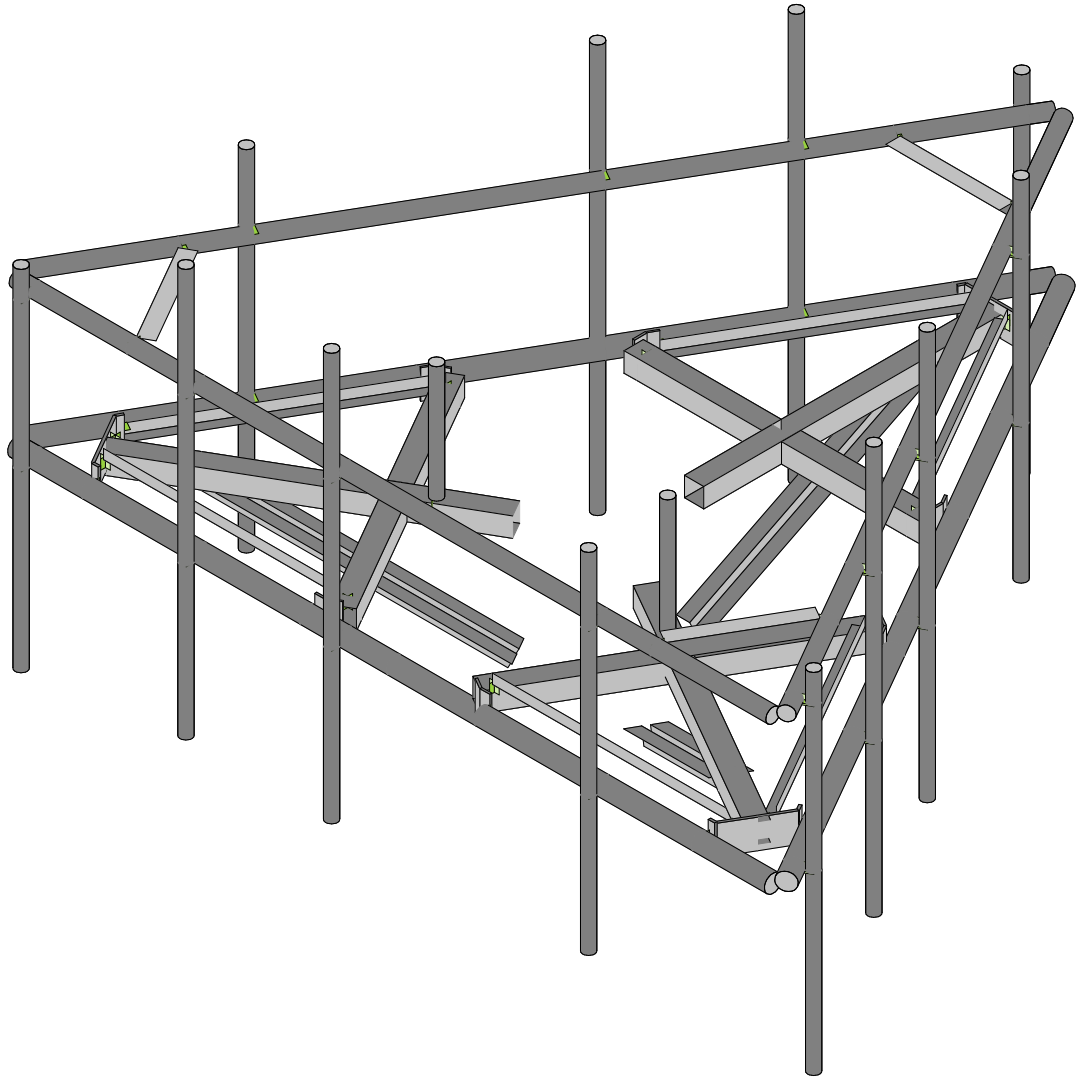
'B' PLATE DETAIL



CROSSOVER PLATE DETAIL



S.O. MOUNT DETAIL



Colliers Engineering & De...

5000175325-VZW_MT_LO_H

SK - 1

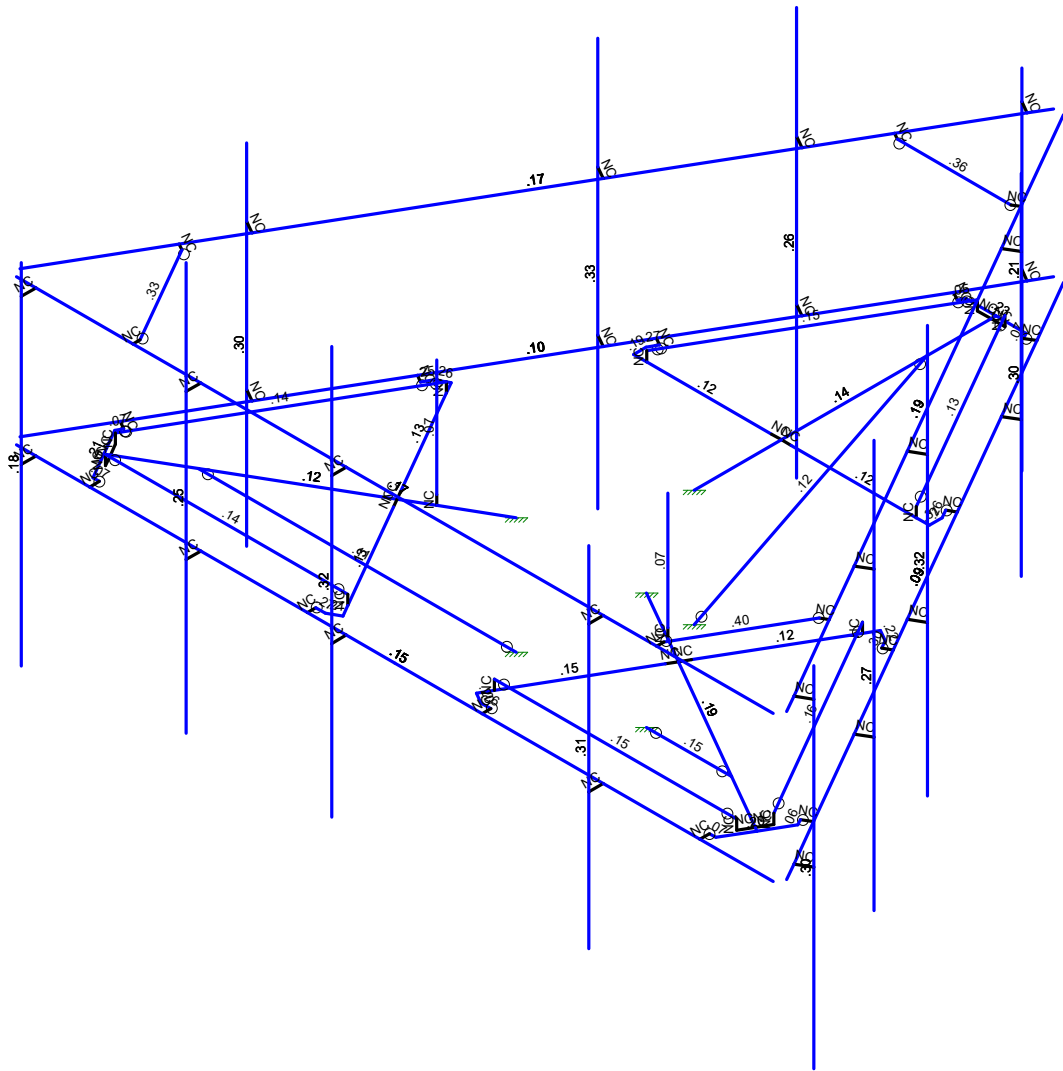
July 6, 2023 at 11:31 PM

5000175325-VZW_MT_LO_H.r3d



Code Check
(Env)

- No Calc
- > 1.0
- .90-1.0
- .75-.90
- .50-.75
- 0-.50



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

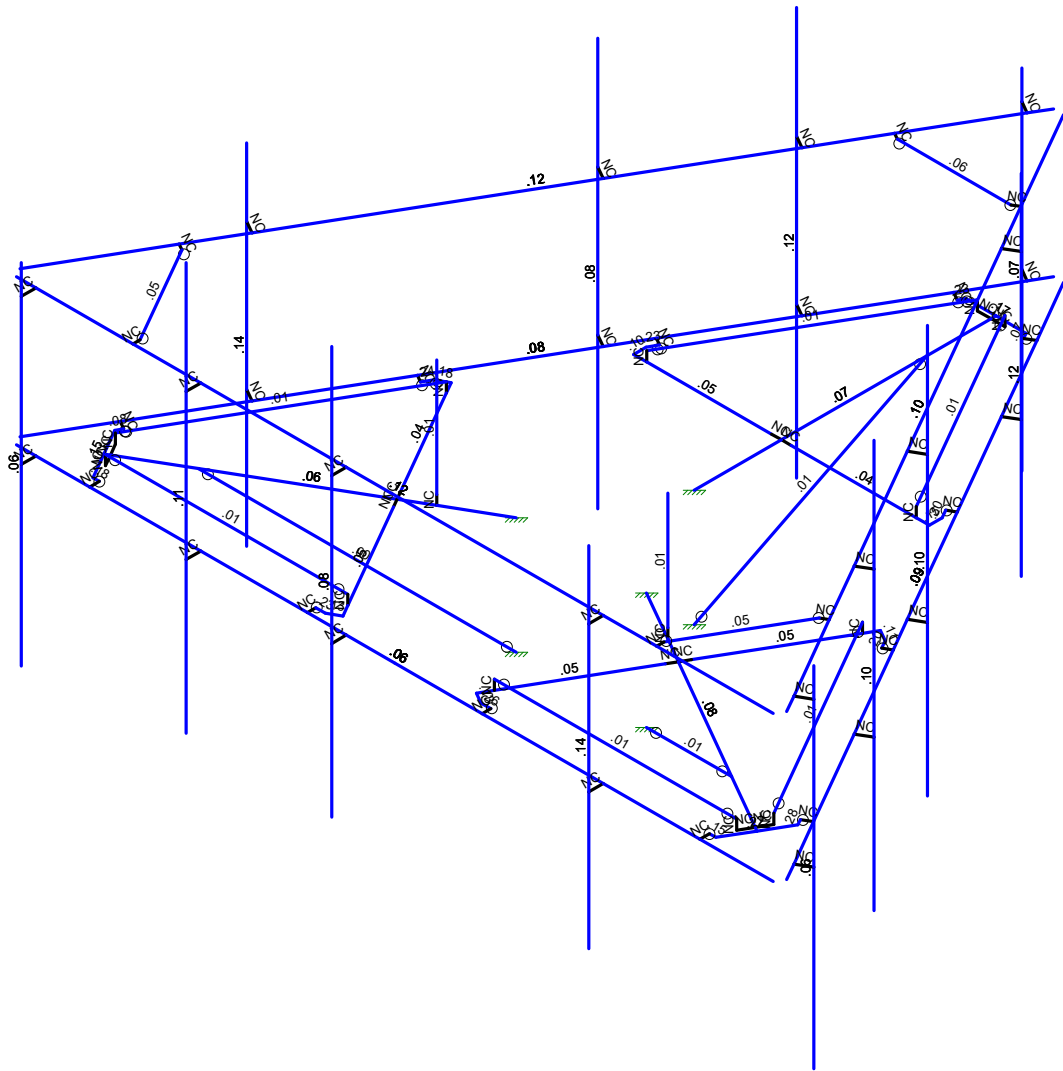
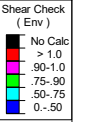
Colliers Engineering & De...

5000175325-VZW_MT_LO_H

SK - 2

July 6, 2023 at 11:31 PM

5000175325-VZW_MT_LO_H.r3d



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

Colliers Engineering & De...

5000175325-VZW_MT_LO_H

SK - 3

July 6, 2023 at 11:31 PM

5000175325-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					99		
2	Antenna Di	None					99		
3	Antenna Wo (0 Deg)	None					99		
4	Antenna Wo (30 Deg)	None					99		
5	Antenna Wo (60 Deg)	None					99		
6	Antenna Wo (90 Deg)	None					99		
7	Antenna Wo (120 Deg)	None					99		
8	Antenna Wo (150 Deg)	None					99		
9	Antenna Wo (180 Deg)	None					99		
10	Antenna Wo (210 Deg)	None					99		
11	Antenna Wo (240 Deg)	None					99		
12	Antenna Wo (270 Deg)	None					99		
13	Antenna Wo (300 Deg)	None					99		
14	Antenna Wo (330 Deg)	None					99		
15	Antenna Wi (0 Deg)	None					99		
16	Antenna Wi (30 Deg)	None					99		
17	Antenna Wi (60 Deg)	None					99		
18	Antenna Wi (90 Deg)	None					99		
19	Antenna Wi (120 Deg)	None					99		
20	Antenna Wi (150 Deg)	None					99		
21	Antenna Wi (180 Deg)	None					99		
22	Antenna Wi (210 Deg)	None					99		
23	Antenna Wi (240 Deg)	None					99		
24	Antenna Wi (270 Deg)	None					99		
25	Antenna Wi (300 Deg)	None					99		
26	Antenna Wi (330 Deg)	None					99		
27	Antenna Wm (0 Deg)	None					99		
28	Antenna Wm (30 Deg)	None					99		
29	Antenna Wm (60 Deg)	None					99		
30	Antenna Wm (90 Deg)	None					99		
31	Antenna Wm (120 De..	None					99		
32	Antenna Wm (150 De..	None					99		
33	Antenna Wm (180 De..	None					99		
34	Antenna Wm (210 De..	None					99		
35	Antenna Wm (240 De..	None					99		
36	Antenna Wm (270 De..	None					99		
37	Antenna Wm (300 De..	None					99		
38	Antenna Wm (330 De..	None					99		
39	Structure D	None		-1				3	
40	Structure Di	None						62	3
41	Structure Wo (0 Deg)	None						124	
42	Structure Wo (30 Deg)	None						124	
43	Structure Wo (60 Deg)	None						124	
44	Structure Wo (90 Deg)	None						124	
45	Structure Wo (120 D...	None						124	
46	Structure Wo (150 D...	None						124	
47	Structure Wo (180 D...	None						124	
48	Structure Wo (210 D...	None						124	
49	Structure Wo (240 D...	None						124	
50	Structure Wo (270 D...	None						124	
51	Structure Wo (300 D...	None						124	
52	Structure Wo (330 D...	None						124	
53	Structure Wi (0 Deg)	None						124	
54	Structure Wi (30 Deg)	None						124	
55	Structure Wi (60 Deg)	None						124	
56	Structure Wi (90 Deg)	None						124	
57	Structure Wi (120 De..	None						124	
58	Structure Wi (150 De..	None						124	

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
59	Structure Wi (180 De...	None						124	
60	Structure Wi (210 De...	None						124	
61	Structure Wi (240 De...	None						124	
62	Structure Wi (270 De...	None						124	
63	Structure Wi (300 De...	None						124	
64	Structure Wi (330 De...	None						124	
65	Structure Wm (0 Deg)	None						124	
66	Structure Wm (30 De...	None						124	
67	Structure Wm (60 De...	None						124	
68	Structure Wm (90 De...	None						124	
69	Structure Wm (120 D...	None						124	
70	Structure Wm (150 D...	None						124	
71	Structure Wm (180 D...	None						124	
72	Structure Wm (210 D...	None						124	
73	Structure Wm (240 D...	None						124	
74	Structure Wm (270 D...	None						124	
75	Structure Wm (300 D...	None						124	
76	Structure Wm (330 D...	None						124	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					99		
82	Antenna Eh (0 Deg)	None					66		
83	Antenna Eh (90 Deg)	None					66		
84	Structure Ev	ELY		-0.042					3
85	Structure Eh (0 Deg)	ELZ			-0.106				3
86	Structure Eh (90 Deg)	ELX	0.106						3
87	BLC 39 Transient Are...	None						30	
88	BLC 40 Transient Are...	None						30	
89	BLC 84 Transient Are...	None						30	
90	BLC 85 Transient Are...	None						30	
91	BLC 86 Transient Are...	None						30	

Load Combinations

	Description	Sol.	PD.	SR.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1				
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1				
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1				
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1				
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1				
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1				
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1				
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1				
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1				
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1				
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1				
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1				
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1

Load Combinations (Continued)

	Description	Sol.	PD.	SR.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1		
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1		
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1		
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1		
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1		
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1		
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1		
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1		
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1		
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1		
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1		
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1		
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1		
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1		
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1		
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1		
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1		
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1		
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1		
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1		
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1		
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1		
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1		
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1		
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5						
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5						
51	1.4D	Yes	Y		1	1.4	39	1.4								
52	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83	ELZ 1 ELX
53	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5 ELZ .866 ELX .5
54	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866 ELZ .5 ELX .866
55	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1 ELZ ELX 1
56	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866 ELZ -.5 ELX .866
57	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5 ELZ -.866 ELX .5
58	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83	ELZ -1 ELX
59	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5 ELZ -.866 ELX -.5
60	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866 ELZ -.5 ELX -.866
61	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1 ELZ ELX -1
62	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866 ELZ .5 ELX -.866
63	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5 ELZ .866 ELX -.5
64	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83	ELZ 1 ELX
65	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5 ELZ .866 ELX .5
66	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866 ELZ .5 ELX .866
67	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1 ELZ ELX 1
68	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866 ELZ -.5 ELX .866
69	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5 ELZ -.866 ELX .5
70	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83	ELZ -1 ELX
71	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5 ELZ -.866 ELX -.5
72	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866 ELZ -.5 ELX -.866
73	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1 ELZ ELX -1
74	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866 ELZ .5 ELX -.866
75	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5 ELZ .866 ELX -.5

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	-0.	0	-1.291667	0	
2	N5	-2.541667	0	-2.791667	0	
3	N6	2.315104	0.166667	-2.791667	0	
4	N7	-2.315104	0.166667	-2.791667	0	
5	N24	-0.	0	-2.791667	0	
6	N27	-0.	0	-6.479167	0	
7	CP	0	0	0	0	
8	N29	2.315104	0	-2.791667	0	
9	N30	-2.315104	0	-2.791667	0	
10	N101	2.541667	0	-2.791667	0	
11	N102	-0.166667	0	-2.791667	0	
12	N103A	0.166667	0	-2.791667	0	
13	N104A	-2.541667	0	-3.010417	0	
14	N105	2.541667	0	-3.010417	0	
15	N131	2.458333	0	-3.154754	0	
16	N135	0.571615	0	-6.38219	0	
17	N144	-2.458333	0	-3.154754	0	
18	N148	-0.571615	0	-6.38219	0	
19	N86A	2.584629	0	-3.227671	0	
20	N86B	-2.584629	0	-3.227671	0	
21	N86C	-0.515625	0	-6.479167	0	
22	N87A	0.515625	0	-6.479167	0	
23	N86D	0.715429	0	-6.465221	0	
24	N86E	-0.715429	0	-6.465221	0	
25	N88A	-0.	0	-6.395833	0	
26	N87C	0.234238	0.166667	-6.395833	0	
27	N86G	0.234238	0	-6.395833	0	
28	N87B	-0.234238	0.166667	-6.395833	0	
29	N88C	-0.234238	0	-6.395833	0	
30	N30A	-1.118616	0	0.645833	0	
31	N31	-1.146821	0	3.596981	0	
32	N32	-3.575206	0.166667	-0.609106	0	
33	N33	-1.260102	0.166667	3.400772	0	
34	N34	-2.417654	0	1.395833	0	
35	N35	-5.611123	0	3.239583	0	
36	N37	-3.575206	0	-0.609106	0	
37	N38	-1.260102	0	3.400772	0	
38	N39	-3.688488	0	-0.805315	0	
39	N40	-2.334321	0	1.540171	0	
40	N41	-2.500988	0	1.251496	0	
41	N42	-1.336264	0	3.706356	0	
42	N43	-3.877931	0	-0.69594	0	
43	N44	-3.961264	0	-0.551602	0	
44	N45	-5.812946	0	2.696062	0	
45	N46	-1.502931	0	3.706356	0	
46	N47	-5.241331	0	3.686128	0	
47	N48	-4.08756	0	-0.624519	0	
48	N49	-1.502931	0	3.85219	0	
49	N50	-5.35331	0	3.686128	0	
50	N51	-5.868935	0	2.793039	0	
51	N52	-5.95676	0	2.613031	0	
52	N53	-5.241331	0	3.85219	0	
53	N54	-5.538954	0	3.197917	0	
54	N55	-5.656073	0.166667	2.995061	0	
55	N56	-5.656073	0	2.995061	0	
56	N57	-5.421835	0.166667	3.400772	0	
57	N58	-5.421835	0	3.400772	0	
58	N59	1.118616	0	0.645833	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N60	3.688488	0	-0.805315	0	
60	N61	1.260102	0.166667	3.400772	0	
61	N62	3.575206	0.166667	-0.609106	0	
62	N63	2.417654	0	1.395833	0	
63	N64	5.611123	0	3.239583	0	
64	N66	1.260102	0	3.400772	0	
65	N67	3.575206	0	-0.609106	0	
66	N68	1.146821	0	3.596981	0	
67	N69	2.500988	0	1.251496	0	
68	N70	2.334321	0	1.540171	0	
69	N71	3.877931	0	-0.69594	0	
70	N72	1.336264	0	3.706356	0	
71	N73	1.502931	0	3.706356	0	
72	N74	5.241331	0	3.686128	0	
73	N75	3.961264	0	-0.551602	0	
74	N76	5.812946	0	2.696062	0	
75	N77	1.502931	0	3.85219	0	
76	N78	4.08756	0	-0.624519	0	
77	N79	5.868935	0	2.793039	0	
78	N80	5.35331	0	3.686128	0	
79	N81	5.241331	0	3.85219	0	
80	N82	5.95676	0	2.613031	0	
81	N83	5.538954	0	3.197917	0	
82	N84	5.421835	0.166667	3.400772	0	
83	N85	5.421835	0	3.400772	0	
84	N86	5.656073	0.166667	2.995061	0	
85	N87	5.656073	0	2.995061	0	
86	N86F	0.	0	3.85219	0	
87	N87D	6.5	0	3.85219	0	
88	N88	-6.5	0	3.85219	0	
89	N90	0.086094	0	-7.55526	0	
90	N91	6.586094	0	3.70307	0	
91	N93	-6.586094	0	3.70307	0	
92	N94	-0.086094	0	-7.55526	0	
93	N93A	3.583333	0	3.85219	0	
94	N94A	-0.833333	0	3.85219	0	
95	N95	-3.333333	0	3.85219	0	
96	N96	-6.166667	0	3.85219	0	
97	N97	3.583333	0	4.10219	0	
98	N98	-0.833333	0	4.10219	0	
99	N99	-3.333333	0	4.10219	0	
100	N100	-6.166667	0	4.10219	0	
101	N101A	3.583333	3.666667	4.10219	0	
102	N102A	3.583333	-2.333333	4.10219	0	
103	N103	-0.833333	4.416667	4.10219	0	
104	N104	-3.333333	4.416667	4.10219	0	
105	N105A	-0.833333	-2.583333	4.10219	0	
106	N106	-3.333333	-2.583333	4.10219	0	
107	N107	-6.166667	3	4.10219	0	
108	N108	-6.166667	-3	4.10219	0	
109	N110	1.544428	0	-5.029353	0	
110	N111	3.752761	0	-1.204407	0	
111	N112	5.002761	0	0.960656	0	
112	N113	6.419428	0	3.414395	0	
113	N114	1.760934	0	-5.154353	0	
114	N115	3.969267	0	-1.329407	0	
115	N116	5.219267	0	0.835656	0	
116	N117	6.635934	0	3.289395	0	
117	N118	1.760934	3.666667	-5.154353	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
118	N119	1.760934	-2.333333	-5.154353	0	
119	N120	3.969267	4.416667	-1.329407	0	
120	N121	5.219267	4.416667	0.835656	0	
121	N122	3.969267	-2.583333	-1.329407	0	
122	N123	5.219267	-2.583333	0.835656	0	
123	N124	6.635934	3	3.289395	0	
124	N125	6.635934	-3	3.289395	0	
125	N127	-5.127761	0	1.177163	0	
126	N128	-2.919428	0	-2.647783	0	
127	N129	-1.669428	0	-4.812846	0	
128	N130	-0.252761	0	-7.266585	0	
129	N131A	-5.344267	0	1.052163	0	
130	N132	-3.135934	0	-2.772783	0	
131	N133	-1.885934	0	-4.937846	0	
132	N134	-0.469267	0	-7.391585	0	
133	N135A	-5.344267	3.666667	1.052163	0	
134	N136	-5.344267	-2.333333	1.052163	0	
135	N137	-3.135934	4.416667	-2.772783	0	
136	N138	-1.885934	4.416667	-4.937846	0	
137	N139	-3.135934	-2.583333	-2.772783	0	
138	N140	-1.885934	-2.583333	-4.937846	0	
139	N141	-0.469267	3	-7.391585	0	
140	N142	-0.469267	-3	-7.391585	0	
141	N141A	1.984642	0	1.145833	0	
142	N142A	1.984642	0.166667	1.145833	0	
143	N143	1.984642	2.166667	1.145833	0	
144	N145	-1.984642	0	1.145833	0	
145	N146	-1.984642	0.166667	1.145833	0	
146	N147	-1.984642	2.166667	1.145833	0	
147	N147A	6.5	2.5	3.85219	0	
148	N148A	-6.5	2.5	3.85219	0	
149	N149	0.086094	2.5	-7.55526	0	
150	N150	6.586094	2.5	3.70307	0	
151	N151	-6.586094	2.5	3.70307	0	
152	N152	-0.086094	2.5	-7.55526	0	
153	N153	3.583333	2.5	3.85219	0	
154	N154	-0.833333	2.5	3.85219	0	
155	N155	-3.333333	2.5	3.85219	0	
156	N156	-6.166667	2.5	3.85219	0	
157	N157	3.583333	2.5	4.10219	0	
158	N158	-0.833333	2.5	4.10219	0	
159	N159	-3.333333	2.5	4.10219	0	
160	N160	-6.166667	2.5	4.10219	0	
161	N161	1.544428	2.5	-5.029353	0	
162	N162	3.752761	2.5	-1.204407	0	
163	N163	5.002761	2.5	0.960656	0	
164	N164	6.419428	2.5	3.414395	0	
165	N165	1.760934	2.5	-5.154353	0	
166	N166	3.969267	2.5	-1.329407	0	
167	N167	5.219267	2.5	0.835656	0	
168	N168	6.635934	2.5	3.289395	0	
169	N169	-5.127761	2.5	1.177163	0	
170	N170	-2.919428	2.5	-2.647783	0	
171	N171	-1.669428	2.5	-4.812846	0	
172	N172	-0.252761	2.5	-7.266585	0	
173	N173	-5.344267	2.5	1.052163	0	
174	N174	-3.135934	2.5	-2.772783	0	
175	N175	-1.885934	2.5	-4.937846	0	
176	N176	-0.469267	2.5	-7.391585	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
177	N177	-4.5	2.5	3.85219	0	
178	N178	4.5	2.5	3.85219	0	
179	N179	-4.5	2.5	3.72719	0	
180	N180	4.5	2.5	3.72719	0	
181	N182	5.586094	2.5	1.971019	0	
182	N183	1.086094	2.5	-5.823209	0	
183	N184	5.477841	2.5	2.033519	0	
184	N185	0.977841	2.5	-5.760709	0	
185	N187	-1.086094	2.5	-5.823209	0	
186	N188	-5.586094	2.5	1.971019	0	
187	N189	-0.977841	2.5	-5.760709	0	
188	N190	-5.477841	2.5	2.033519	0	
189	N189A	-0.	0	-5.291667	0	
190	N190A	-0.	-2	-1.291667	0	
191	N192	-4.582718	0	2.645833	0	
192	N193	-1.118616	-2	0.645833	0	
193	N195	4.582718	0	2.645833	0	
194	N196	1.118616	-2	0.645833	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horiz...	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Hor...	HSS4X4X4	Beam	SquareTube	A500 Gr.B R...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2X6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Cro...	HSS4X4X4	Beam	SquareTube	A500 Gr.B R...	Typical	3.37	7.8	7.8	12.8
5	Grating Sup...	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm P...	PL3/8X6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Handrail	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Corner Angle	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
10	Dual Antenn...	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	MOD Suppo...	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
12	MOD Corner...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
13	MOD Kicker	LL3x3x3x6	Column	Double Angl...	A36 Gr.36	Typical	2.18	4.97	1.9	.027

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
3	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M46	N86C	N87A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
5	M35A	N7	N30			RIGID	None	None	RIGID	Typical
6	M36A	N6	N29			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
7	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
10	M58	N102	N24			RIGID	None	None	RIGID	Typical
11	M59	N24	N103A			RIGID	None	None	RIGID	Typical
12	M76	N101	N105			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
13	M77	N105	N131			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
14	M79	N131	N86A			RIGID	None	None	RIGID	Typical
15	M80	N87A	N135			Corner Plate	Beam	RECT	A36 Gr.36	Typical
16	M83	N135	N86D			RIGID	None	None	RIGID	Typical
17	M84	N5	N104A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
18	M85	N104A	N144			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
19	M88	N144	N86B			RIGID	None	None	RIGID	Typical
20	M91	N86C	N148			Corner Plate	Beam	RECT	A36 Gr.36	Typical
21	M92	N148	N86E			RIGID	None	None	RIGID	Typical
22	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
23	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
24	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
25	M25	N30A	N35			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
26	M26	N39	N41			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
27	M27	N40	N31			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M28	N50	N51			Corner Plate	Beam	RECT	A36 Gr.36	Typical
29	M29	N33	N38			RIGID	None	None	RIGID	Typical
30	M30	N32	N37			RIGID	None	None	RIGID	Typical
31	M31	N55	N32			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M32	N33	N57			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M33	N57	N58			RIGID	None	None	RIGID	Typical
34	M34	N40	N34			RIGID	None	None	RIGID	Typical
35	M35	N34	N41			RIGID	None	None	RIGID	Typical
36	M36	N39	N43			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
37	M37	N43	N44			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
38	M38	N44	N48			RIGID	None	None	RIGID	Typical
39	M39	N51	N45			Corner Plate	Beam	RECT	A36 Gr.36	Typical
40	M40	N45	N52			RIGID	None	None	RIGID	Typical
41	M41	N31	N42			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
42	M42	N42	N46			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
43	M43A	N46	N49			RIGID	None	None	RIGID	Typical
44	M44	N50	N47			Corner Plate	Beam	RECT	A36 Gr.36	Typical
45	M45	N47	N53			RIGID	None	None	RIGID	Typical
46	M46A	N58	N54			RIGID	None	None	RIGID	Typical
47	M47	N54	N56			RIGID	None	None	RIGID	Typical
48	M48	N55	N56			RIGID	None	None	RIGID	Typical
49	M49	N59	N64			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
50	M50A	N68	N70			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
51	M51C	N69	N60			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
52	M52A	N79	N80			Corner Plate	Beam	RECT	A36 Gr.36	Typical
53	M53	N62	N67			RIGID	None	None	RIGID	Typical
54	M54	N61	N66			RIGID	None	None	RIGID	Typical
55	M55	N84	N61			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M56	N62	N86			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M57	N86	N87			RIGID	None	None	RIGID	Typical
58	M58A	N69	N63			RIGID	None	None	RIGID	Typical
59	M59A	N63	N70			RIGID	None	None	RIGID	Typical
60	M60	N68	N72			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
61	M61	N72	N73			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
62	M62	N73	N77			RIGID	None	None	RIGID	Typical
63	M63	N80	N74			Corner Plate	Beam	RECT	A36 Gr.36	Typical
64	M64	N74	N81			RIGID	None	None	RIGID	Typical
65	M65	N60	N71			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
66	M66	N71	N75			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
67	M67	N75	N78			RIGID	None	None	RIGID	Typical
68	M68	N79	N76			Corner Plate	Beam	RECT	A36 Gr.36	Typical
69	M69	N76	N82			RIGID	None	None	RIGID	Typical
70	M70	N87	N83			RIGID	None	None	RIGID	Typical
71	M71	N83	N85			RIGID	None	None	RIGID	Typical
72	M72	N84	N85			RIGID	None	None	RIGID	Typical
73	M73	N88	N87D			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M74	N91	N90			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M75	N94	N93			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76A	N96	N100			RIGID	None	None	RIGID	Typical
77	M77A	N95	N99			RIGID	None	None	RIGID	Typical
78	M78	N94A	N98			RIGID	None	None	RIGID	Typical
79	M79A	N93A	N97			RIGID	None	None	RIGID	Typical
80	MP1A	N101A	N102A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	MP2A	N103	N105A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	MP3A	N104	N106			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	MP4A	N107	N108			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M84A	N113	N117			RIGID	None	None	RIGID	Typical
85	M85A	N112	N116			RIGID	None	None	RIGID	Typical
86	M86	N111	N115			RIGID	None	None	RIGID	Typical
87	M87	N110	N114			RIGID	None	None	RIGID	Typical
88	MP1C	N118	N119			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP2C	N120	N122			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP3C	N121	N123			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP4C	N124	N125			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92A	N130	N134			RIGID	None	None	RIGID	Typical
93	M93	N129	N133			RIGID	None	None	RIGID	Typical
94	M94	N128	N132			RIGID	None	None	RIGID	Typical
95	M95	N127	N131A			RIGID	None	None	RIGID	Typical
96	MP1B	N135A	N136			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	MP2B	N137	N139			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP3B	N138	N140			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP4B	N141	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N142A	N141A			RIGID	None	None	RIGID	Typical
101	M101	N143	N142A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102	N146	N145			RIGID	None	None	RIGID	Typical
103	M103	N147	N146			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	M104	N148A	N147A			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
105	M105	N150	N149			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
106	M106	N152	N151			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
107	M107	N156	N160			RIGID	None	None	RIGID	Typical
108	M108	N155	N159			RIGID	None	None	RIGID	Typical
109	M109	N154	N158			RIGID	None	None	RIGID	Typical
110	M110	N153	N157			RIGID	None	None	RIGID	Typical
111	M111	N164	N168			RIGID	None	None	RIGID	Typical
112	M112	N163	N167			RIGID	None	None	RIGID	Typical
113	M113	N162	N166			RIGID	None	None	RIGID	Typical
114	M114	N161	N165			RIGID	None	None	RIGID	Typical
115	M115	N172	N176			RIGID	None	None	RIGID	Typical
116	M116	N171	N175			RIGID	None	None	RIGID	Typical
117	M117	N170	N174			RIGID	None	None	RIGID	Typical
118	M118	N169	N173			RIGID	None	None	RIGID	Typical
119	M119	N177	N179			RIGID	None	None	RIGID	Typical
120	M120	N178	N180			RIGID	None	None	RIGID	Typical
121	M121	N182	N184			RIGID	None	None	RIGID	Typical
122	M122	N183	N185			RIGID	None	None	RIGID	Typical
123	M123	N187	N189			RIGID	None	None	RIGID	Typical
124	M124	N188	N190			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
125	M125	N179	N190		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
126	M126	N184	N180		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
127	M127	N189	N185		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
128	M128	N189A	N190A			MOD Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
129	M129	N192	N193			MOD Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
130	M130	N195	N196			MOD Kicker	Column	Double Angle (...)	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M4						Yes				None
2	M10						Yes	Default			None
3	M43						Yes	Default			None
4	M46						Yes	Default			None
5	M35A						Yes	** NA **			None
6	M36A						Yes	** NA **			None
7	M51B	OOOOOX	OOOOOX				Yes	Default			None
8	M52B	OOOOOX	OOOOOX				Yes	Default			None
9	M52						Yes	** NA **			None
10	M58						Yes	** NA **			None
11	M59						Yes	** NA **			None
12	M76						Yes				None
13	M77						Yes				None
14	M79		BenPIN				Yes	** NA **			None
15	M80						Yes				None
16	M83		BenPIN				Yes	** NA **			None
17	M84						Yes				None
18	M85						Yes				None
19	M88		BenPIN				Yes	** NA **			None
20	M91						Yes				None
21	M92		BenPIN				Yes	** NA **			None
22	M50						Yes	** NA **			None
23	M51						Yes	** NA **			None
24	M51A						Yes	** NA **			None
25	M25						Yes				None
26	M26						Yes	Default			None
27	M27						Yes	Default			None
28	M28						Yes	Default			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31	OOOOOX	OOOOOX				Yes	Default			None
32	M32	OOOOOX	OOOOOX				Yes	Default			None
33	M33						Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes				None
37	M37						Yes				None
38	M38		BenPIN				Yes	** NA **			None
39	M39						Yes				None
40	M40		BenPIN				Yes	** NA **			None
41	M41						Yes				None
42	M42						Yes				None
43	M43A		BenPIN				Yes	** NA **			None
44	M44						Yes				None
45	M45		BenPIN				Yes	** NA **			None
46	M46A						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						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...
49	M49						Yes				None
50	M50A						Yes	Default			None
51	M51C						Yes	Default			None
52	M52A						Yes	Default			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55	OOOOOX	OOOOOX				Yes	Default			None
56	M56	OOOOOX	OOOOOX				Yes	Default			None
57	M57						Yes	** NA **			None
58	M58A						Yes	** NA **			None
59	M59A						Yes	** NA **			None
60	M60						Yes				None
61	M61						Yes				None
62	M62		BenPIN				Yes	** NA **			None
63	M63						Yes				None
64	M64		BenPIN				Yes	** NA **			None
65	M65						Yes				None
66	M66						Yes				None
67	M67		BenPIN				Yes	** NA **			None
68	M68						Yes				None
69	M69		BenPIN				Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes				None
74	M74						Yes				None
75	M75						Yes				None
76	M76A						Yes	** NA **			None
77	M77A						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	M79A						Yes	** NA **			None
80	MP1A						Yes	** NA **			None
81	MP2A						Yes	** NA **			None
82	MP3A						Yes	** NA **			None
83	MP4A						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	M85A						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	MP1C						Yes	** NA **			None
89	MP2C						Yes	** NA **			None
90	MP3C						Yes	** NA **			None
91	MP4C						Yes	** NA **			None
92	M92A						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	MP1B						Yes	** NA **			None
97	MP2B						Yes	** NA **			None
98	MP3B						Yes	** NA **			None
99	MP4B						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes				None
105	M105						Yes				None
106	M106						Yes				None
107	M107						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...
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119	OOOOOX					Yes	** NA **			None
120	M120	OOOOOX					Yes	** NA **			None
121	M121	OOOOOX					Yes	** NA **			None
122	M122	OOOOOX					Yes	** NA **			None
123	M123	OOOOOX					Yes	** NA **			None
124	M124	OOOOOX					Yes	** NA **			None
125	M125						Yes				None
126	M126						Yes				None
127	M127						Yes				None
128	M128	BenPIN	BenPIN				Yes	** NA **			None
129	M129	BenPIN	BenPIN				Yes	** NA **			None
130	M130	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	Y	-32	1
2	M103	My	0	1
3	M103	Mz	0	1
4	MP2A	Y	-17.6	5
5	MP2A	My	.009	5
6	MP2A	Mz	0	5
7	MP1A	Y	-38.7	.25
8	MP1A	My	-.019	.25
9	MP1A	Mz	0	.25
10	MP1A	Y	-38.7	5.25
11	MP1A	My	-.019	5.25
12	MP1A	Mz	0	5.25
13	MP2A	Y	-38.7	.25
14	MP2A	My	-.019	.25
15	MP2A	Mz	0	.25
16	MP2A	Y	-38.7	5.25
17	MP2A	My	-.019	5.25
18	MP2A	Mz	0	5.25
19	MP2B	Y	-38.7	.25
20	MP2B	My	.01	.25
21	MP2B	Mz	-.017	.25
22	MP2B	Y	-38.7	5.25
23	MP2B	My	.01	5.25
24	MP2B	Mz	-.017	5.25
25	MP3B	Y	-38.7	.25
26	MP3B	My	.01	.25
27	MP3B	Mz	-.017	.25
28	MP3B	Y	-38.7	5.25
29	MP3B	My	.01	5.25
30	MP3B	Mz	-.017	5.25
31	MP3C	Y	-38.7	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
32	MP3C	My	.01	.25
33	MP3C	Mz	.017	.25
34	MP3C	Y	-38.7	5.25
35	MP3C	My	.01	5.25
36	MP3C	Mz	.017	5.25
37	MP4C	Y	-38.7	.25
38	MP4C	My	.01	.25
39	MP4C	Mz	.017	.25
40	MP4C	Y	-38.7	5.25
41	MP4C	My	.01	5.25
42	MP4C	Mz	.017	5.25
43	MP4B	Y	-20.35	.25
44	MP4B	My	.005	.25
45	MP4B	Mz	-.009	.25
46	MP4B	Y	-20.35	5.25
47	MP4B	My	.005	5.25
48	MP4B	Mz	-.009	5.25
49	MP1C	Y	-16.55	.25
50	MP1C	My	.004	.25
51	MP1C	Mz	.007	.25
52	MP1C	Y	-16.55	5.25
53	MP1C	My	.004	5.25
54	MP1C	Mz	.007	5.25
55	MP3A	Y	-16.55	.25
56	MP3A	My	-.008	.25
57	MP3A	Mz	0	.25
58	MP3A	Y	-16.55	5.25
59	MP3A	My	-.008	5.25
60	MP3A	Mz	0	5.25
61	M101	Y	-32	1
62	M101	My	0	1
63	M101	Mz	0	1
64	MP1B	Y	-43.55	1.25
65	MP1B	My	.011	1.25
66	MP1B	Mz	-.019	1.25
67	MP1B	Y	-43.55	2.75
68	MP1B	My	.011	2.75
69	MP1B	Mz	-.019	2.75
70	MP2C	Y	-43.55	2
71	MP2C	My	.011	2
72	MP2C	Mz	.019	2
73	MP2C	Y	-43.55	3.5
74	MP2C	My	.011	3.5
75	MP2C	Mz	.019	3.5
76	MP4A	Y	-43.55	.5
77	MP4A	My	-.022	.5
78	MP4A	Mz	0	.5
79	MP4A	Y	-43.55	2
80	MP4A	My	-.022	2
81	MP4A	Mz	0	2
82	MP1A	Y	-84.4	2.25
83	MP1A	My	.042	2.25
84	MP1A	Mz	0	2.25
85	MP2B	Y	-84.4	3
86	MP2B	My	-.021	3
87	MP2B	Mz	.037	3
88	MP3C	Y	-84.4	3
89	MP3C	My	-.021	3
90	MP3C	Mz	-.037	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
91	MP2A	Y	-70.3	3
92	MP2A	My	.035	3
93	MP2A	Mz	0	3
94	MP3B	Y	-70.3	3
95	MP3B	My	-.018	3
96	MP3B	Mz	.03	3
97	MP4C	Y	-70.3	1.5
98	MP4C	My	-.018	1.5
99	MP4C	Mz	-.03	1.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	Y	-140.344	1
2	M103	My	0	1
3	M103	Mz	0	1
4	MP2A	Y	-29.433	5
5	MP2A	My	.015	5
6	MP2A	Mz	0	5
7	MP1A	Y	-136.789	.25
8	MP1A	My	-.068	.25
9	MP1A	Mz	0	.25
10	MP1A	Y	-136.789	5.25
11	MP1A	My	-.068	5.25
12	MP1A	Mz	0	5.25
13	MP2A	Y	-136.789	.25
14	MP2A	My	-.068	.25
15	MP2A	Mz	0	.25
16	MP2A	Y	-136.789	5.25
17	MP2A	My	-.068	5.25
18	MP2A	Mz	0	5.25
19	MP2B	Y	-136.789	.25
20	MP2B	My	.034	.25
21	MP2B	Mz	-.059	.25
22	MP2B	Y	-136.789	5.25
23	MP2B	My	.034	5.25
24	MP2B	Mz	-.059	5.25
25	MP3B	Y	-136.789	.25
26	MP3B	My	.034	.25
27	MP3B	Mz	-.059	.25
28	MP3B	Y	-136.789	5.25
29	MP3B	My	.034	5.25
30	MP3B	Mz	-.059	5.25
31	MP3C	Y	-136.789	.25
32	MP3C	My	.034	.25
33	MP3C	Mz	.059	.25
34	MP3C	Y	-136.789	5.25
35	MP3C	My	.034	5.25
36	MP3C	Mz	.059	5.25
37	MP4C	Y	-136.789	.25
38	MP4C	My	.034	.25
39	MP4C	Mz	.059	.25
40	MP4C	Y	-136.789	5.25
41	MP4C	My	.034	5.25
42	MP4C	Mz	.059	5.25
43	MP4B	Y	-98.211	.25
44	MP4B	My	.025	.25
45	MP4B	Mz	-.043	.25
46	MP4B	Y	-98.211	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
47	MP4B	My	.025	5.25
48	MP4B	Mz	-.043	5.25
49	MP1C	Y	-97.201	.25
50	MP1C	My	.024	.25
51	MP1C	Mz	.042	.25
52	MP1C	Y	-97.201	5.25
53	MP1C	My	.024	5.25
54	MP1C	Mz	.042	5.25
55	MP3A	Y	-97.201	.25
56	MP3A	My	-.049	.25
57	MP3A	Mz	0	.25
58	MP3A	Y	-97.201	5.25
59	MP3A	My	-.049	5.25
60	MP3A	Mz	0	5.25
61	M101	Y	-140.344	1
62	M101	My	0	1
63	M101	Mz	0	1
64	MP1B	Y	-57.387	1.25
65	MP1B	My	.014	1.25
66	MP1B	Mz	-.025	1.25
67	MP1B	Y	-57.387	2.75
68	MP1B	My	.014	2.75
69	MP1B	Mz	-.025	2.75
70	MP2C	Y	-57.387	2
71	MP2C	My	.014	2
72	MP2C	Mz	.025	2
73	MP2C	Y	-57.387	3.5
74	MP2C	My	.014	3.5
75	MP2C	Mz	.025	3.5
76	MP4A	Y	-57.387	.5
77	MP4A	My	-.029	.5
78	MP4A	Mz	0	.5
79	MP4A	Y	-57.387	2
80	MP4A	My	-.029	2
81	MP4A	Mz	0	2
82	MP1A	Y	-72.961	2.25
83	MP1A	My	.036	2.25
84	MP1A	Mz	0	2.25
85	MP2B	Y	-72.961	3
86	MP2B	My	-.018	3
87	MP2B	Mz	.032	3
88	MP3C	Y	-72.961	3
89	MP3C	My	-.018	3
90	MP3C	Mz	-.032	3
91	MP2A	Y	-65.885	3
92	MP2A	My	.033	3
93	MP2A	Mz	0	3
94	MP3B	Y	-65.885	3
95	MP3B	My	-.016	3
96	MP3B	Mz	.029	3
97	MP4C	Y	-65.885	1.5
98	MP4C	My	-.016	1.5
99	MP4C	Mz	-.029	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	0	1
2	M103	Z	-85.134	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
3	M103	Mx	0	1
4	MP2A	X	0	5
5	MP2A	Z	-33.912	5
6	MP2A	Mx	0	5
7	MP1A	X	0	.25
8	MP1A	Z	-216.722	.25
9	MP1A	Mx	0	.25
10	MP1A	X	0	5.25
11	MP1A	Z	-216.722	5.25
12	MP1A	Mx	0	5.25
13	MP2A	X	0	.25
14	MP2A	Z	-216.722	.25
15	MP2A	Mx	0	.25
16	MP2A	X	0	5.25
17	MP2A	Z	-216.722	5.25
18	MP2A	Mx	0	5.25
19	MP2B	X	0	.25
20	MP2B	Z	-130.351	.25
21	MP2B	Mx	.056	.25
22	MP2B	X	0	5.25
23	MP2B	Z	-130.351	5.25
24	MP2B	Mx	.056	5.25
25	MP3B	X	0	.25
26	MP3B	Z	-130.351	.25
27	MP3B	Mx	.056	.25
28	MP3B	X	0	5.25
29	MP3B	Z	-130.351	5.25
30	MP3B	Mx	.056	5.25
31	MP3C	X	0	.25
32	MP3C	Z	-130.351	.25
33	MP3C	Mx	-.056	.25
34	MP3C	X	0	5.25
35	MP3C	Z	-130.351	5.25
36	MP3C	Mx	-.056	5.25
37	MP4C	X	0	.25
38	MP4C	Z	-130.351	.25
39	MP4C	Mx	-.056	.25
40	MP4C	X	0	5.25
41	MP4C	Z	-130.351	5.25
42	MP4C	Mx	-.056	5.25
43	MP4B	X	0	.25
44	MP4B	Z	-107.208	.25
45	MP4B	Mx	.046	.25
46	MP4B	X	0	5.25
47	MP4B	Z	-107.208	5.25
48	MP4B	Mx	.046	5.25
49	MP1C	X	0	.25
50	MP1C	Z	-106.484	.25
51	MP1C	Mx	-.046	.25
52	MP1C	X	0	5.25
53	MP1C	Z	-106.484	5.25
54	MP1C	Mx	-.046	5.25
55	MP3A	X	0	.25
56	MP3A	Z	-142.891	.25
57	MP3A	Mx	0	.25
58	MP3A	X	0	5.25
59	MP3A	Z	-142.891	5.25
60	MP3A	Mx	0	5.25
61	M101	X	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
62	M101	Z	-85.134	1
63	M101	Mx	0	1
64	MP1B	X	0	1.25
65	MP1B	Z	-35.193	1.25
66	MP1B	Mx	.015	1.25
67	MP1B	X	0	2.75
68	MP1B	Z	-35.193	2.75
69	MP1B	Mx	.015	2.75
70	MP2C	X	0	2
71	MP2C	Z	-35.193	2
72	MP2C	Mx	-.015	2
73	MP2C	X	0	3.5
74	MP2C	Z	-35.193	3.5
75	MP2C	Mx	-.015	3.5
76	MP4A	X	0	.5
77	MP4A	Z	-69.238	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	2
80	MP4A	Z	-69.238	2
81	MP4A	Mx	0	2
82	MP1A	X	0	2.25
83	MP1A	Z	-54.754	2.25
84	MP1A	Mx	0	2.25
85	MP2B	X	0	3
86	MP2B	Z	-41.242	3
87	MP2B	Mx	-.018	3
88	MP3C	X	0	3
89	MP3C	Z	-41.242	3
90	MP3C	Mx	.018	3
91	MP2A	X	0	3
92	MP2A	Z	-54.754	3
93	MP2A	Mx	0	3
94	MP3B	X	0	3
95	MP3B	Z	-36.209	3
96	MP3B	Mx	-.016	3
97	MP4C	X	0	1.5
98	MP4C	Z	-36.209	1.5
99	MP4C	Mx	.016	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	45.923	1
2	M103	Z	-79.541	1
3	M103	Mx	0	1
4	MP2A	X	14.003	5
5	MP2A	Z	-24.254	5
6	MP2A	Mx	.007	5
7	MP1A	X	93.966	.25
8	MP1A	Z	-162.753	.25
9	MP1A	Mx	-.047	.25
10	MP1A	X	93.966	5.25
11	MP1A	Z	-162.753	5.25
12	MP1A	Mx	-.047	5.25
13	MP2A	X	93.966	.25
14	MP2A	Z	-162.753	.25
15	MP2A	Mx	-.047	.25
16	MP2A	X	93.966	5.25
17	MP2A	Z	-162.753	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP2A	Mx	-.047	5.25
19	MP2B	X	50.78	.25
20	MP2B	Z	-87.954	.25
21	MP2B	Mx	.051	.25
22	MP2B	X	50.78	5.25
23	MP2B	Z	-87.954	5.25
24	MP2B	Mx	.051	5.25
25	MP3B	X	50.78	.25
26	MP3B	Z	-87.954	.25
27	MP3B	Mx	.051	.25
28	MP3B	X	50.78	5.25
29	MP3B	Z	-87.954	5.25
30	MP3B	Mx	.051	5.25
31	MP3C	X	93.966	.25
32	MP3C	Z	-162.753	.25
33	MP3C	Mx	-.047	.25
34	MP3C	X	93.966	5.25
35	MP3C	Z	-162.753	5.25
36	MP3C	Mx	-.047	5.25
37	MP4C	X	93.966	.25
38	MP4C	Z	-162.753	.25
39	MP4C	Mx	-.047	.25
40	MP4C	X	93.966	5.25
41	MP4C	Z	-162.753	5.25
42	MP4C	Mx	-.047	5.25
43	MP4B	X	46.303	.25
44	MP4B	Z	-80.199	.25
45	MP4B	Mx	.046	.25
46	MP4B	X	46.303	5.25
47	MP4B	Z	-80.199	5.25
48	MP4B	Mx	.046	5.25
49	MP1C	X	65.378	.25
50	MP1C	Z	-113.238	.25
51	MP1C	Mx	-.033	.25
52	MP1C	X	65.378	5.25
53	MP1C	Z	-113.238	5.25
54	MP1C	Mx	-.033	5.25
55	MP3A	X	65.378	.25
56	MP3A	Z	-113.238	.25
57	MP3A	Mx	-.033	.25
58	MP3A	X	65.378	5.25
59	MP3A	Z	-113.238	5.25
60	MP3A	Mx	-.033	5.25
61	M101	X	45.923	1
62	M101	Z	-79.541	1
63	M101	Mx	0	1
64	MP1B	X	11.922	1.25
65	MP1B	Z	-20.65	1.25
66	MP1B	Mx	.012	1.25
67	MP1B	X	11.922	2.75
68	MP1B	Z	-20.65	2.75
69	MP1B	Mx	.012	2.75
70	MP2C	X	28.945	2
71	MP2C	Z	-50.134	2
72	MP2C	Mx	-.014	2
73	MP2C	X	28.945	3.5
74	MP2C	Z	-50.134	3.5
75	MP2C	Mx	-.014	3.5
76	MP4A	X	28.945	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
77	MP4A	Z	-50.134	.5
78	MP4A	Mx	-.014	.5
79	MP4A	X	28.945	2
80	MP4A	Z	-50.134	2
81	MP4A	Mx	-.014	2
82	MP1A	X	25.125	2.25
83	MP1A	Z	-43.518	2.25
84	MP1A	Mx	.013	2.25
85	MP2B	X	18.369	3
86	MP2B	Z	-31.816	3
87	MP2B	Mx	-.018	3
88	MP3C	X	25.125	3
89	MP3C	Z	-43.518	3
90	MP3C	Mx	.013	3
91	MP2A	X	24.286	3
92	MP2A	Z	-42.065	3
93	MP2A	Mx	.012	3
94	MP3B	X	15.013	3
95	MP3B	Z	-26.004	3
96	MP3B	Mx	-.015	3
97	MP4C	X	24.286	1.5
98	MP4C	Z	-42.065	1.5
99	MP4C	Mx	.012	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	91.166	1
2	M103	Z	-52.635	1
3	M103	Mx	0	1
4	MP2A	X	14.023	5
5	MP2A	Z	-8.096	5
6	MP2A	Mx	.007	5
7	MP1A	X	112.887	.25
8	MP1A	Z	-65.175	.25
9	MP1A	Mx	-.056	.25
10	MP1A	X	112.887	5.25
11	MP1A	Z	-65.175	5.25
12	MP1A	Mx	-.056	5.25
13	MP2A	X	112.887	.25
14	MP2A	Z	-65.175	.25
15	MP2A	Mx	-.056	.25
16	MP2A	X	112.887	5.25
17	MP2A	Z	-65.175	5.25
18	MP2A	Mx	-.056	5.25
19	MP2B	X	112.887	.25
20	MP2B	Z	-65.175	.25
21	MP2B	Mx	.056	.25
22	MP2B	X	112.887	5.25
23	MP2B	Z	-65.175	5.25
24	MP2B	Mx	.056	5.25
25	MP3B	X	112.887	.25
26	MP3B	Z	-65.175	.25
27	MP3B	Mx	.056	.25
28	MP3B	X	112.887	5.25
29	MP3B	Z	-65.175	5.25
30	MP3B	Mx	.056	5.25
31	MP3C	X	187.686	.25
32	MP3C	Z	-108.361	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
33	MP3C	Mx	0	.25
34	MP3C	X	187.686	5.25
35	MP3C	Z	-108.361	5.25
36	MP3C	Mx	0	5.25
37	MP4C	X	187.686	.25
38	MP4C	Z	-108.361	.25
39	MP4C	Mx	0	.25
40	MP4C	X	187.686	5.25
41	MP4C	Z	-108.361	5.25
42	MP4C	Mx	0	5.25
43	MP4B	X	92.845	.25
44	MP4B	Z	-53.604	.25
45	MP4B	Mx	.046	.25
46	MP4B	X	92.845	5.25
47	MP4B	Z	-53.604	5.25
48	MP4B	Mx	.046	5.25
49	MP1C	X	123.748	.25
50	MP1C	Z	-71.446	.25
51	MP1C	Mx	0	.25
52	MP1C	X	123.748	5.25
53	MP1C	Z	-71.446	5.25
54	MP1C	Mx	0	5.25
55	MP3A	X	92.218	.25
56	MP3A	Z	-53.242	.25
57	MP3A	Mx	-.046	.25
58	MP3A	X	92.218	5.25
59	MP3A	Z	-53.242	5.25
60	MP3A	Mx	-.046	5.25
61	M101	X	91.166	1
62	M101	Z	-52.635	1
63	M101	Mx	0	1
64	MP1B	X	30.478	1.25
65	MP1B	Z	-17.596	1.25
66	MP1B	Mx	.015	1.25
67	MP1B	X	30.478	2.75
68	MP1B	Z	-17.596	2.75
69	MP1B	Mx	.015	2.75
70	MP2C	X	59.962	2
71	MP2C	Z	-34.619	2
72	MP2C	Mx	0	2
73	MP2C	X	59.962	3.5
74	MP2C	Z	-34.619	3.5
75	MP2C	Mx	0	3.5
76	MP4A	X	30.478	.5
77	MP4A	Z	-17.596	.5
78	MP4A	Mx	-.015	.5
79	MP4A	X	30.478	2
80	MP4A	Z	-17.596	2
81	MP4A	Mx	-.015	2
82	MP1A	X	35.717	2.25
83	MP1A	Z	-20.621	2.25
84	MP1A	Mx	.018	2.25
85	MP2B	X	35.717	3
86	MP2B	Z	-20.621	3
87	MP2B	Mx	-.018	3
88	MP3C	X	47.419	3
89	MP3C	Z	-27.377	3
90	MP3C	Mx	0	3
91	MP2A	X	31.358	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
92	MP2A	Z	-18.104	3
93	MP2A	Mx	.016	3
94	MP3B	X	31.358	3
95	MP3B	Z	-18.104	3
96	MP3B	Mx	-.016	3
97	MP4C	X	47.419	1.5
98	MP4C	Z	-27.377	1.5
99	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	111.982	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP2A	X	10.286	5
5	MP2A	Z	0	5
6	MP2A	Mx	.005	5
7	MP1A	X	101.561	.25
8	MP1A	Z	0	.25
9	MP1A	Mx	-.051	.25
10	MP1A	X	101.561	5.25
11	MP1A	Z	0	5.25
12	MP1A	Mx	-.051	5.25
13	MP2A	X	101.561	.25
14	MP2A	Z	0	.25
15	MP2A	Mx	-.051	.25
16	MP2A	X	101.561	5.25
17	MP2A	Z	0	5.25
18	MP2A	Mx	-.051	5.25
19	MP2B	X	187.931	.25
20	MP2B	Z	0	.25
21	MP2B	Mx	.047	.25
22	MP2B	X	187.931	5.25
23	MP2B	Z	0	5.25
24	MP2B	Mx	.047	5.25
25	MP3B	X	187.931	.25
26	MP3B	Z	0	.25
27	MP3B	Mx	.047	.25
28	MP3B	X	187.931	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	.047	5.25
31	MP3C	X	187.931	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	.047	.25
34	MP3C	X	187.931	5.25
35	MP3C	Z	0	5.25
36	MP3C	Mx	.047	5.25
37	MP4C	X	187.931	.25
38	MP4C	Z	0	.25
39	MP4C	Mx	.047	.25
40	MP4C	X	187.931	5.25
41	MP4C	Z	0	5.25
42	MP4C	Mx	.047	5.25
43	MP4B	X	136.414	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	.034	.25
46	MP4B	X	136.414	5.25
47	MP4B	Z	0	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP4B	Mx	.034	5.25
49	MP1C	X	130.756	.25
50	MP1C	Z	0	.25
51	MP1C	Mx	.033	.25
52	MP1C	X	130.756	5.25
53	MP1C	Z	0	5.25
54	MP1C	Mx	.033	5.25
55	MP3A	X	94.348	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	-.047	.25
58	MP3A	X	94.348	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	-.047	5.25
61	M101	X	111.982	1
62	M101	Z	0	1
63	M101	Mx	0	1
64	MP1B	X	57.89	1.25
65	MP1B	Z	0	1.25
66	MP1B	Mx	.014	1.25
67	MP1B	X	57.89	2.75
68	MP1B	Z	0	2.75
69	MP1B	Mx	.014	2.75
70	MP2C	X	57.89	2
71	MP2C	Z	0	2
72	MP2C	Mx	.014	2
73	MP2C	X	57.89	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	.014	3.5
76	MP4A	X	23.845	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	-.012	.5
79	MP4A	X	23.845	2
80	MP4A	Z	0	2
81	MP4A	Mx	-.012	2
82	MP1A	X	36.738	2.25
83	MP1A	Z	0	2.25
84	MP1A	Mx	.018	2.25
85	MP2B	X	50.25	3
86	MP2B	Z	0	3
87	MP2B	Mx	-.013	3
88	MP3C	X	50.25	3
89	MP3C	Z	0	3
90	MP3C	Mx	-.013	3
91	MP2A	X	30.027	3
92	MP2A	Z	0	3
93	MP2A	Mx	.015	3
94	MP3B	X	48.572	3
95	MP3B	Z	0	3
96	MP3B	Mx	-.012	3
97	MP4C	X	48.572	1.5
98	MP4C	Z	0	1.5
99	MP4C	Mx	-.012	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	91.166	1
2	M103	Z	52.635	1
3	M103	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
4	MP2A	X	14.023	5
5	MP2A	Z	8.096	5
6	MP2A	Mx	.007	5
7	MP1A	X	112.887	.25
8	MP1A	Z	65.175	.25
9	MP1A	Mx	-.056	.25
10	MP1A	X	112.887	5.25
11	MP1A	Z	65.175	5.25
12	MP1A	Mx	-.056	5.25
13	MP2A	X	112.887	.25
14	MP2A	Z	65.175	.25
15	MP2A	Mx	-.056	.25
16	MP2A	X	112.887	5.25
17	MP2A	Z	65.175	5.25
18	MP2A	Mx	-.056	5.25
19	MP2B	X	187.686	.25
20	MP2B	Z	108.361	.25
21	MP2B	Mx	0	.25
22	MP2B	X	187.686	5.25
23	MP2B	Z	108.361	5.25
24	MP2B	Mx	0	5.25
25	MP3B	X	187.686	.25
26	MP3B	Z	108.361	.25
27	MP3B	Mx	0	.25
28	MP3B	X	187.686	5.25
29	MP3B	Z	108.361	5.25
30	MP3B	Mx	0	5.25
31	MP3C	X	112.887	.25
32	MP3C	Z	65.175	.25
33	MP3C	Mx	.056	.25
34	MP3C	X	112.887	5.25
35	MP3C	Z	65.175	5.25
36	MP3C	Mx	.056	5.25
37	MP4C	X	112.887	.25
38	MP4C	Z	65.175	.25
39	MP4C	Mx	.056	.25
40	MP4C	X	112.887	5.25
41	MP4C	Z	65.175	5.25
42	MP4C	Mx	.056	5.25
43	MP4B	X	130.784	.25
44	MP4B	Z	75.508	.25
45	MP4B	Mx	0	.25
46	MP4B	X	130.784	5.25
47	MP4B	Z	75.508	5.25
48	MP4B	Mx	0	5.25
49	MP1C	X	92.218	.25
50	MP1C	Z	53.242	.25
51	MP1C	Mx	.046	.25
52	MP1C	X	92.218	5.25
53	MP1C	Z	53.242	5.25
54	MP1C	Mx	.046	5.25
55	MP3A	X	92.218	.25
56	MP3A	Z	53.242	.25
57	MP3A	Mx	-.046	.25
58	MP3A	X	92.218	5.25
59	MP3A	Z	53.242	5.25
60	MP3A	Mx	-.046	5.25
61	M101	X	91.166	1
62	M101	Z	52.635	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
63	M101	Mx	0	1
64	MP1B	X	59.962	1.25
65	MP1B	Z	34.619	1.25
66	MP1B	Mx	0	1.25
67	MP1B	X	59.962	2.75
68	MP1B	Z	34.619	2.75
69	MP1B	Mx	0	2.75
70	MP2C	X	30.478	2
71	MP2C	Z	17.596	2
72	MP2C	Mx	.015	2
73	MP2C	X	30.478	3.5
74	MP2C	Z	17.596	3.5
75	MP2C	Mx	.015	3.5
76	MP4A	X	30.478	.5
77	MP4A	Z	17.596	.5
78	MP4A	Mx	-.015	.5
79	MP4A	X	30.478	2
80	MP4A	Z	17.596	2
81	MP4A	Mx	-.015	2
82	MP1A	X	35.717	2.25
83	MP1A	Z	20.621	2.25
84	MP1A	Mx	.018	2.25
85	MP2B	X	47.419	3
86	MP2B	Z	27.377	3
87	MP2B	Mx	0	3
88	MP3C	X	35.717	3
89	MP3C	Z	20.621	3
90	MP3C	Mx	-.018	3
91	MP2A	X	31.358	3
92	MP2A	Z	18.104	3
93	MP2A	Mx	.016	3
94	MP3B	X	47.419	3
95	MP3B	Z	27.377	3
96	MP3B	Mx	0	3
97	MP4C	X	31.358	1.5
98	MP4C	Z	18.104	1.5
99	MP4C	Mx	-.016	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	45.923	1
2	M103	Z	79.541	1
3	M103	Mx	0	1
4	MP2A	X	14.003	5
5	MP2A	Z	24.254	5
6	MP2A	Mx	.007	5
7	MP1A	X	93.966	.25
8	MP1A	Z	162.753	.25
9	MP1A	Mx	-.047	.25
10	MP1A	X	93.966	5.25
11	MP1A	Z	162.753	5.25
12	MP1A	Mx	-.047	5.25
13	MP2A	X	93.966	.25
14	MP2A	Z	162.753	.25
15	MP2A	Mx	-.047	.25
16	MP2A	X	93.966	5.25
17	MP2A	Z	162.753	5.25
18	MP2A	Mx	-.047	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
19	MP2B	X	93.966	.25
20	MP2B	Z	162.753	.25
21	MP2B	Mx	-.047	.25
22	MP2B	X	93.966	5.25
23	MP2B	Z	162.753	5.25
24	MP2B	Mx	-.047	5.25
25	MP3B	X	93.966	.25
26	MP3B	Z	162.753	.25
27	MP3B	Mx	-.047	.25
28	MP3B	X	93.966	5.25
29	MP3B	Z	162.753	5.25
30	MP3B	Mx	-.047	5.25
31	MP3C	X	50.78	.25
32	MP3C	Z	87.954	.25
33	MP3C	Mx	.051	.25
34	MP3C	X	50.78	5.25
35	MP3C	Z	87.954	5.25
36	MP3C	Mx	.051	5.25
37	MP4C	X	50.78	.25
38	MP4C	Z	87.954	.25
39	MP4C	Mx	.051	.25
40	MP4C	X	50.78	5.25
41	MP4C	Z	87.954	5.25
42	MP4C	Mx	.051	5.25
43	MP4B	X	68.207	.25
44	MP4B	Z	118.138	.25
45	MP4B	Mx	-.034	.25
46	MP4B	X	68.207	5.25
47	MP4B	Z	118.138	5.25
48	MP4B	Mx	-.034	5.25
49	MP1C	X	47.174	.25
50	MP1C	Z	81.708	.25
51	MP1C	Mx	.047	.25
52	MP1C	X	47.174	5.25
53	MP1C	Z	81.708	5.25
54	MP1C	Mx	.047	5.25
55	MP3A	X	65.378	.25
56	MP3A	Z	113.238	.25
57	MP3A	Mx	-.033	.25
58	MP3A	X	65.378	5.25
59	MP3A	Z	113.238	5.25
60	MP3A	Mx	-.033	5.25
61	M101	X	45.923	1
62	M101	Z	79.541	1
63	M101	Mx	0	1
64	MP1B	X	28.945	1.25
65	MP1B	Z	50.134	1.25
66	MP1B	Mx	-.014	1.25
67	MP1B	X	28.945	2.75
68	MP1B	Z	50.134	2.75
69	MP1B	Mx	-.014	2.75
70	MP2C	X	11.922	2
71	MP2C	Z	20.65	2
72	MP2C	Mx	.012	2
73	MP2C	X	11.922	3.5
74	MP2C	Z	20.65	3.5
75	MP2C	Mx	.012	3.5
76	MP4A	X	28.945	.5
77	MP4A	Z	50.134	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
78	MP4A	Mx	-.014	.5
79	MP4A	X	28.945	2
80	MP4A	Z	50.134	2
81	MP4A	Mx	-.014	2
82	MP1A	X	25.125	2.25
83	MP1A	Z	43.518	2.25
84	MP1A	Mx	.013	2.25
85	MP2B	X	25.125	3
86	MP2B	Z	43.518	3
87	MP2B	Mx	.013	3
88	MP3C	X	18.369	3
89	MP3C	Z	31.816	3
90	MP3C	Mx	-.018	3
91	MP2A	X	24.286	3
92	MP2A	Z	42.065	3
93	MP2A	Mx	.012	3
94	MP3B	X	24.286	3
95	MP3B	Z	42.065	3
96	MP3B	Mx	.012	3
97	MP4C	X	15.013	1.5
98	MP4C	Z	26.004	1.5
99	MP4C	Mx	-.015	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	0	1
2	M103	Z	85.134	1
3	M103	Mx	0	1
4	MP2A	X	0	5
5	MP2A	Z	33.912	5
6	MP2A	Mx	0	5
7	MP1A	X	0	.25
8	MP1A	Z	216.722	.25
9	MP1A	Mx	0	.25
10	MP1A	X	0	5.25
11	MP1A	Z	216.722	5.25
12	MP1A	Mx	0	5.25
13	MP2A	X	0	.25
14	MP2A	Z	216.722	.25
15	MP2A	Mx	0	.25
16	MP2A	X	0	5.25
17	MP2A	Z	216.722	5.25
18	MP2A	Mx	0	5.25
19	MP2B	X	0	.25
20	MP2B	Z	130.351	.25
21	MP2B	Mx	-.056	.25
22	MP2B	X	0	5.25
23	MP2B	Z	130.351	5.25
24	MP2B	Mx	-.056	5.25
25	MP3B	X	0	.25
26	MP3B	Z	130.351	.25
27	MP3B	Mx	-.056	.25
28	MP3B	X	0	5.25
29	MP3B	Z	130.351	5.25
30	MP3B	Mx	-.056	5.25
31	MP3C	X	0	.25
32	MP3C	Z	130.351	.25
33	MP3C	Mx	.056	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
34	MP3C	X	0	5.25
35	MP3C	Z	130.351	5.25
36	MP3C	Mx	.056	5.25
37	MP4C	X	0	.25
38	MP4C	Z	130.351	.25
39	MP4C	Mx	.056	.25
40	MP4C	X	0	5.25
41	MP4C	Z	130.351	5.25
42	MP4C	Mx	.056	5.25
43	MP4B	X	0	.25
44	MP4B	Z	107.208	.25
45	MP4B	Mx	-.046	.25
46	MP4B	X	0	5.25
47	MP4B	Z	107.208	5.25
48	MP4B	Mx	-.046	5.25
49	MP1C	X	0	.25
50	MP1C	Z	106.484	.25
51	MP1C	Mx	.046	.25
52	MP1C	X	0	5.25
53	MP1C	Z	106.484	5.25
54	MP1C	Mx	.046	5.25
55	MP3A	X	0	.25
56	MP3A	Z	142.891	.25
57	MP3A	Mx	0	.25
58	MP3A	X	0	5.25
59	MP3A	Z	142.891	5.25
60	MP3A	Mx	0	5.25
61	M101	X	0	1
62	M101	Z	85.134	1
63	M101	Mx	0	1
64	MP1B	X	0	1.25
65	MP1B	Z	35.193	1.25
66	MP1B	Mx	-.015	1.25
67	MP1B	X	0	2.75
68	MP1B	Z	35.193	2.75
69	MP1B	Mx	-.015	2.75
70	MP2C	X	0	2
71	MP2C	Z	35.193	2
72	MP2C	Mx	.015	2
73	MP2C	X	0	3.5
74	MP2C	Z	35.193	3.5
75	MP2C	Mx	.015	3.5
76	MP4A	X	0	.5
77	MP4A	Z	69.238	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	2
80	MP4A	Z	69.238	2
81	MP4A	Mx	0	2
82	MP1A	X	0	2.25
83	MP1A	Z	54.754	2.25
84	MP1A	Mx	0	2.25
85	MP2B	X	0	3
86	MP2B	Z	41.242	3
87	MP2B	Mx	.018	3
88	MP3C	X	0	3
89	MP3C	Z	41.242	3
90	MP3C	Mx	-.018	3
91	MP2A	X	0	3
92	MP2A	Z	54.754	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
93	MP2A	Mx	0	3
94	MP3B	X	0	3
95	MP3B	Z	36.209	3
96	MP3B	Mx	.016	3
97	MP4C	X	0	1.5
98	MP4C	Z	36.209	1.5
99	MP4C	Mx	-.016	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M103	X	-45.923	1
2	M103	Z	79.541	1
3	M103	Mx	0	1
4	MP2A	X	-14.003	5
5	MP2A	Z	24.254	5
6	MP2A	Mx	-.007	5
7	MP1A	X	-93.966	.25
8	MP1A	Z	162.753	.25
9	MP1A	Mx	.047	.25
10	MP1A	X	-93.966	5.25
11	MP1A	Z	162.753	5.25
12	MP1A	Mx	.047	5.25
13	MP2A	X	-93.966	.25
14	MP2A	Z	162.753	.25
15	MP2A	Mx	.047	.25
16	MP2A	X	-93.966	5.25
17	MP2A	Z	162.753	5.25
18	MP2A	Mx	.047	5.25
19	MP2B	X	-50.78	.25
20	MP2B	Z	87.954	.25
21	MP2B	Mx	-.051	.25
22	MP2B	X	-50.78	5.25
23	MP2B	Z	87.954	5.25
24	MP2B	Mx	-.051	5.25
25	MP3B	X	-50.78	.25
26	MP3B	Z	87.954	.25
27	MP3B	Mx	-.051	.25
28	MP3B	X	-50.78	5.25
29	MP3B	Z	87.954	5.25
30	MP3B	Mx	-.051	5.25
31	MP3C	X	-93.966	.25
32	MP3C	Z	162.753	.25
33	MP3C	Mx	.047	.25
34	MP3C	X	-93.966	5.25
35	MP3C	Z	162.753	5.25
36	MP3C	Mx	.047	5.25
37	MP4C	X	-93.966	.25
38	MP4C	Z	162.753	.25
39	MP4C	Mx	.047	.25
40	MP4C	X	-93.966	5.25
41	MP4C	Z	162.753	5.25
42	MP4C	Mx	.047	5.25
43	MP4B	X	-46.303	.25
44	MP4B	Z	80.199	.25
45	MP4B	Mx	-.046	.25
46	MP4B	X	-46.303	5.25
47	MP4B	Z	80.199	5.25
48	MP4B	Mx	-.046	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
49	MP1C	X	-65.378	.25
50	MP1C	Z	113.238	.25
51	MP1C	Mx	.033	.25
52	MP1C	X	-65.378	5.25
53	MP1C	Z	113.238	5.25
54	MP1C	Mx	.033	5.25
55	MP3A	X	-65.378	.25
56	MP3A	Z	113.238	.25
57	MP3A	Mx	.033	.25
58	MP3A	X	-65.378	5.25
59	MP3A	Z	113.238	5.25
60	MP3A	Mx	.033	5.25
61	M101	X	-45.923	1
62	M101	Z	79.541	1
63	M101	Mx	0	1
64	MP1B	X	-11.922	1.25
65	MP1B	Z	20.65	1.25
66	MP1B	Mx	-.012	1.25
67	MP1B	X	-11.922	2.75
68	MP1B	Z	20.65	2.75
69	MP1B	Mx	-.012	2.75
70	MP2C	X	-28.945	2
71	MP2C	Z	50.134	2
72	MP2C	Mx	.014	2
73	MP2C	X	-28.945	3.5
74	MP2C	Z	50.134	3.5
75	MP2C	Mx	.014	3.5
76	MP4A	X	-28.945	.5
77	MP4A	Z	50.134	.5
78	MP4A	Mx	.014	.5
79	MP4A	X	-28.945	2
80	MP4A	Z	50.134	2
81	MP4A	Mx	.014	2
82	MP1A	X	-25.125	2.25
83	MP1A	Z	43.518	2.25
84	MP1A	Mx	-.013	2.25
85	MP2B	X	-18.369	3
86	MP2B	Z	31.816	3
87	MP2B	Mx	.018	3
88	MP3C	X	-25.125	3
89	MP3C	Z	43.518	3
90	MP3C	Mx	-.013	3
91	MP2A	X	-24.286	3
92	MP2A	Z	42.065	3
93	MP2A	Mx	-.012	3
94	MP3B	X	-15.013	3
95	MP3B	Z	26.004	3
96	MP3B	Mx	.015	3
97	MP4C	X	-24.286	1.5
98	MP4C	Z	42.065	1.5
99	MP4C	Mx	-.012	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-91.166	1
2	M103	Z	52.635	1
3	M103	Mx	0	1
4	MP2A	X	-14.023	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
5	MP2A	Z	8.096	5
6	MP2A	Mx	-.007	5
7	MP1A	X	-112.887	.25
8	MP1A	Z	65.175	.25
9	MP1A	Mx	.056	.25
10	MP1A	X	-112.887	5.25
11	MP1A	Z	65.175	5.25
12	MP1A	Mx	.056	5.25
13	MP2A	X	-112.887	.25
14	MP2A	Z	65.175	.25
15	MP2A	Mx	.056	.25
16	MP2A	X	-112.887	5.25
17	MP2A	Z	65.175	5.25
18	MP2A	Mx	.056	5.25
19	MP2B	X	-112.887	.25
20	MP2B	Z	65.175	.25
21	MP2B	Mx	-.056	.25
22	MP2B	X	-112.887	5.25
23	MP2B	Z	65.175	5.25
24	MP2B	Mx	-.056	5.25
25	MP3B	X	-112.887	.25
26	MP3B	Z	65.175	.25
27	MP3B	Mx	-.056	.25
28	MP3B	X	-112.887	5.25
29	MP3B	Z	65.175	5.25
30	MP3B	Mx	-.056	5.25
31	MP3C	X	-187.686	.25
32	MP3C	Z	108.361	.25
33	MP3C	Mx	0	.25
34	MP3C	X	-187.686	5.25
35	MP3C	Z	108.361	5.25
36	MP3C	Mx	0	5.25
37	MP4C	X	-187.686	.25
38	MP4C	Z	108.361	.25
39	MP4C	Mx	0	.25
40	MP4C	X	-187.686	5.25
41	MP4C	Z	108.361	5.25
42	MP4C	Mx	0	5.25
43	MP4B	X	-92.845	.25
44	MP4B	Z	53.604	.25
45	MP4B	Mx	-.046	.25
46	MP4B	X	-92.845	5.25
47	MP4B	Z	53.604	5.25
48	MP4B	Mx	-.046	5.25
49	MP1C	X	-123.748	.25
50	MP1C	Z	71.446	.25
51	MP1C	Mx	0	.25
52	MP1C	X	-123.748	5.25
53	MP1C	Z	71.446	5.25
54	MP1C	Mx	0	5.25
55	MP3A	X	-92.218	.25
56	MP3A	Z	53.242	.25
57	MP3A	Mx	.046	.25
58	MP3A	X	-92.218	5.25
59	MP3A	Z	53.242	5.25
60	MP3A	Mx	.046	5.25
61	M101	X	-91.166	1
62	M101	Z	52.635	1
63	M101	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
64	MP1B	X	-30.478	1.25
65	MP1B	Z	17.596	1.25
66	MP1B	Mx	-.015	1.25
67	MP1B	X	-30.478	2.75
68	MP1B	Z	17.596	2.75
69	MP1B	Mx	-.015	2.75
70	MP2C	X	-59.962	2
71	MP2C	Z	34.619	2
72	MP2C	Mx	0	2
73	MP2C	X	-59.962	3.5
74	MP2C	Z	34.619	3.5
75	MP2C	Mx	0	3.5
76	MP4A	X	-30.478	.5
77	MP4A	Z	17.596	.5
78	MP4A	Mx	.015	.5
79	MP4A	X	-30.478	2
80	MP4A	Z	17.596	2
81	MP4A	Mx	.015	2
82	MP1A	X	-35.717	2.25
83	MP1A	Z	20.621	2.25
84	MP1A	Mx	-.018	2.25
85	MP2B	X	-35.717	3
86	MP2B	Z	20.621	3
87	MP2B	Mx	.018	3
88	MP3C	X	-47.419	3
89	MP3C	Z	27.377	3
90	MP3C	Mx	0	3
91	MP2A	X	-31.358	3
92	MP2A	Z	18.104	3
93	MP2A	Mx	-.016	3
94	MP3B	X	-31.358	3
95	MP3B	Z	18.104	3
96	MP3B	Mx	.016	3
97	MP4C	X	-47.419	1.5
98	MP4C	Z	27.377	1.5
99	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-111.982	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP2A	X	-10.286	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.005	5
7	MP1A	X	-101.561	.25
8	MP1A	Z	0	.25
9	MP1A	Mx	.051	.25
10	MP1A	X	-101.561	5.25
11	MP1A	Z	0	5.25
12	MP1A	Mx	.051	5.25
13	MP2A	X	-101.561	.25
14	MP2A	Z	0	.25
15	MP2A	Mx	.051	.25
16	MP2A	X	-101.561	5.25
17	MP2A	Z	0	5.25
18	MP2A	Mx	.051	5.25
19	MP2B	X	-187.931	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP2B	Z	0	.25
21	MP2B	Mx	-.047	.25
22	MP2B	X	-187.931	5.25
23	MP2B	Z	0	5.25
24	MP2B	Mx	-.047	5.25
25	MP3B	X	-187.931	.25
26	MP3B	Z	0	.25
27	MP3B	Mx	-.047	.25
28	MP3B	X	-187.931	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	-.047	5.25
31	MP3C	X	-187.931	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	-.047	.25
34	MP3C	X	-187.931	5.25
35	MP3C	Z	0	5.25
36	MP3C	Mx	-.047	5.25
37	MP4C	X	-187.931	.25
38	MP4C	Z	0	.25
39	MP4C	Mx	-.047	.25
40	MP4C	X	-187.931	5.25
41	MP4C	Z	0	5.25
42	MP4C	Mx	-.047	5.25
43	MP4B	X	-136.414	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	-.034	.25
46	MP4B	X	-136.414	5.25
47	MP4B	Z	0	5.25
48	MP4B	Mx	-.034	5.25
49	MP1C	X	-130.756	.25
50	MP1C	Z	0	.25
51	MP1C	Mx	-.033	.25
52	MP1C	X	-130.756	5.25
53	MP1C	Z	0	5.25
54	MP1C	Mx	-.033	5.25
55	MP3A	X	-94.348	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	.047	.25
58	MP3A	X	-94.348	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	.047	5.25
61	M101	X	-111.982	1
62	M101	Z	0	1
63	M101	Mx	0	1
64	MP1B	X	-57.89	1.25
65	MP1B	Z	0	1.25
66	MP1B	Mx	-.014	1.25
67	MP1B	X	-57.89	2.75
68	MP1B	Z	0	2.75
69	MP1B	Mx	-.014	2.75
70	MP2C	X	-57.89	2
71	MP2C	Z	0	2
72	MP2C	Mx	-.014	2
73	MP2C	X	-57.89	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	-.014	3.5
76	MP4A	X	-23.845	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	.012	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
79	MP4A	X	-23.845	2
80	MP4A	Z	0	2
81	MP4A	Mx	.012	2
82	MP1A	X	-36.738	2.25
83	MP1A	Z	0	2.25
84	MP1A	Mx	-.018	2.25
85	MP2B	X	-50.25	3
86	MP2B	Z	0	3
87	MP2B	Mx	.013	3
88	MP3C	X	-50.25	3
89	MP3C	Z	0	3
90	MP3C	Mx	.013	3
91	MP2A	X	-30.027	3
92	MP2A	Z	0	3
93	MP2A	Mx	-.015	3
94	MP3B	X	-48.572	3
95	MP3B	Z	0	3
96	MP3B	Mx	.012	3
97	MP4C	X	-48.572	1.5
98	MP4C	Z	0	1.5
99	MP4C	Mx	.012	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-91.166	1
2	M103	Z	-52.635	1
3	M103	Mx	0	1
4	MP2A	X	-14.023	5
5	MP2A	Z	-8.096	5
6	MP2A	Mx	-.007	5
7	MP1A	X	-112.887	.25
8	MP1A	Z	-65.175	.25
9	MP1A	Mx	.056	.25
10	MP1A	X	-112.887	5.25
11	MP1A	Z	-65.175	5.25
12	MP1A	Mx	.056	5.25
13	MP2A	X	-112.887	.25
14	MP2A	Z	-65.175	.25
15	MP2A	Mx	.056	.25
16	MP2A	X	-112.887	5.25
17	MP2A	Z	-65.175	5.25
18	MP2A	Mx	.056	5.25
19	MP2B	X	-187.686	.25
20	MP2B	Z	-108.361	.25
21	MP2B	Mx	0	.25
22	MP2B	X	-187.686	5.25
23	MP2B	Z	-108.361	5.25
24	MP2B	Mx	0	5.25
25	MP3B	X	-187.686	.25
26	MP3B	Z	-108.361	.25
27	MP3B	Mx	0	.25
28	MP3B	X	-187.686	5.25
29	MP3B	Z	-108.361	5.25
30	MP3B	Mx	0	5.25
31	MP3C	X	-112.887	.25
32	MP3C	Z	-65.175	.25
33	MP3C	Mx	-.056	.25
34	MP3C	X	-112.887	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
35	MP3C	Z	-65.175	5.25
36	MP3C	Mx	-.056	5.25
37	MP4C	X	-112.887	.25
38	MP4C	Z	-65.175	.25
39	MP4C	Mx	-.056	.25
40	MP4C	X	-112.887	5.25
41	MP4C	Z	-65.175	5.25
42	MP4C	Mx	-.056	5.25
43	MP4B	X	-130.784	.25
44	MP4B	Z	-75.508	.25
45	MP4B	Mx	0	.25
46	MP4B	X	-130.784	5.25
47	MP4B	Z	-75.508	5.25
48	MP4B	Mx	0	5.25
49	MP1C	X	-92.218	.25
50	MP1C	Z	-53.242	.25
51	MP1C	Mx	-.046	.25
52	MP1C	X	-92.218	5.25
53	MP1C	Z	-53.242	5.25
54	MP1C	Mx	-.046	5.25
55	MP3A	X	-92.218	.25
56	MP3A	Z	-53.242	.25
57	MP3A	Mx	.046	.25
58	MP3A	X	-92.218	5.25
59	MP3A	Z	-53.242	5.25
60	MP3A	Mx	.046	5.25
61	M101	X	-91.166	1
62	M101	Z	-52.635	1
63	M101	Mx	0	1
64	MP1B	X	-59.962	1.25
65	MP1B	Z	-34.619	1.25
66	MP1B	Mx	0	1.25
67	MP1B	X	-59.962	2.75
68	MP1B	Z	-34.619	2.75
69	MP1B	Mx	0	2.75
70	MP2C	X	-30.478	2
71	MP2C	Z	-17.596	2
72	MP2C	Mx	-.015	2
73	MP2C	X	-30.478	3.5
74	MP2C	Z	-17.596	3.5
75	MP2C	Mx	-.015	3.5
76	MP4A	X	-30.478	.5
77	MP4A	Z	-17.596	.5
78	MP4A	Mx	.015	.5
79	MP4A	X	-30.478	2
80	MP4A	Z	-17.596	2
81	MP4A	Mx	.015	2
82	MP1A	X	-35.717	2.25
83	MP1A	Z	-20.621	2.25
84	MP1A	Mx	-.018	2.25
85	MP2B	X	-47.419	3
86	MP2B	Z	-27.377	3
87	MP2B	Mx	0	3
88	MP3C	X	-35.717	3
89	MP3C	Z	-20.621	3
90	MP3C	Mx	.018	3
91	MP2A	X	-31.358	3
92	MP2A	Z	-18.104	3
93	MP2A	Mx	-.016	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
94	MP3B	X	-47.419	3
95	MP3B	Z	-27.377	3
96	MP3B	Mx	0	3
97	MP4C	X	-31.358	1.5
98	MP4C	Z	-18.104	1.5
99	MP4C	Mx	.016	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-45.923	1
2	M103	Z	-79.541	1
3	M103	Mx	0	1
4	MP2A	X	-14.003	5
5	MP2A	Z	-24.254	5
6	MP2A	Mx	-.007	5
7	MP1A	X	-93.966	.25
8	MP1A	Z	-162.753	.25
9	MP1A	Mx	.047	.25
10	MP1A	X	-93.966	5.25
11	MP1A	Z	-162.753	5.25
12	MP1A	Mx	.047	5.25
13	MP2A	X	-93.966	.25
14	MP2A	Z	-162.753	.25
15	MP2A	Mx	.047	.25
16	MP2A	X	-93.966	5.25
17	MP2A	Z	-162.753	5.25
18	MP2A	Mx	.047	5.25
19	MP2B	X	-93.966	.25
20	MP2B	Z	-162.753	.25
21	MP2B	Mx	.047	.25
22	MP2B	X	-93.966	5.25
23	MP2B	Z	-162.753	5.25
24	MP2B	Mx	.047	5.25
25	MP3B	X	-93.966	.25
26	MP3B	Z	-162.753	.25
27	MP3B	Mx	.047	.25
28	MP3B	X	-93.966	5.25
29	MP3B	Z	-162.753	5.25
30	MP3B	Mx	.047	5.25
31	MP3C	X	-50.78	.25
32	MP3C	Z	-87.954	.25
33	MP3C	Mx	-.051	.25
34	MP3C	X	-50.78	5.25
35	MP3C	Z	-87.954	5.25
36	MP3C	Mx	-.051	5.25
37	MP4C	X	-50.78	.25
38	MP4C	Z	-87.954	.25
39	MP4C	Mx	-.051	.25
40	MP4C	X	-50.78	5.25
41	MP4C	Z	-87.954	5.25
42	MP4C	Mx	-.051	5.25
43	MP4B	X	-68.207	.25
44	MP4B	Z	-118.138	.25
45	MP4B	Mx	.034	.25
46	MP4B	X	-68.207	5.25
47	MP4B	Z	-118.138	5.25
48	MP4B	Mx	.034	5.25
49	MP1C	X	-47.174	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
50	MP1C	Z	-81.708	.25
51	MP1C	Mx	-.047	.25
52	MP1C	X	-47.174	5.25
53	MP1C	Z	-81.708	5.25
54	MP1C	Mx	-.047	5.25
55	MP3A	X	-65.378	.25
56	MP3A	Z	-113.238	.25
57	MP3A	Mx	.033	.25
58	MP3A	X	-65.378	5.25
59	MP3A	Z	-113.238	5.25
60	MP3A	Mx	.033	5.25
61	M101	X	-45.923	1
62	M101	Z	-79.541	1
63	M101	Mx	0	1
64	MP1B	X	-28.945	1.25
65	MP1B	Z	-50.134	1.25
66	MP1B	Mx	.014	1.25
67	MP1B	X	-28.945	2.75
68	MP1B	Z	-50.134	2.75
69	MP1B	Mx	.014	2.75
70	MP2C	X	-11.922	2
71	MP2C	Z	-20.65	2
72	MP2C	Mx	-.012	2
73	MP2C	X	-11.922	3.5
74	MP2C	Z	-20.65	3.5
75	MP2C	Mx	-.012	3.5
76	MP4A	X	-28.945	.5
77	MP4A	Z	-50.134	.5
78	MP4A	Mx	.014	.5
79	MP4A	X	-28.945	2
80	MP4A	Z	-50.134	2
81	MP4A	Mx	.014	2
82	MP1A	X	-25.125	2.25
83	MP1A	Z	-43.518	2.25
84	MP1A	Mx	-.013	2.25
85	MP2B	X	-25.125	3
86	MP2B	Z	-43.518	3
87	MP2B	Mx	-.013	3
88	MP3C	X	-18.369	3
89	MP3C	Z	-31.816	3
90	MP3C	Mx	.018	3
91	MP2A	X	-24.286	3
92	MP2A	Z	-42.065	3
93	MP2A	Mx	-.012	3
94	MP3B	X	-24.286	3
95	MP3B	Z	-42.065	3
96	MP3B	Mx	-.012	3
97	MP4C	X	-15.013	1.5
98	MP4C	Z	-26.004	1.5
99	MP4C	Mx	.015	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	0	1
2	M103	Z	-23.767	1
3	M103	Mx	0	1
4	MP2A	X	0	5
5	MP2A	Z	-8.521	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP2A	Mx	0	5
7	MP1A	X	0	.25
8	MP1A	Z	-42.182	.25
9	MP1A	Mx	0	.25
10	MP1A	X	0	5.25
11	MP1A	Z	-42.182	5.25
12	MP1A	Mx	0	5.25
13	MP2A	X	0	.25
14	MP2A	Z	-42.182	.25
15	MP2A	Mx	0	.25
16	MP2A	X	0	5.25
17	MP2A	Z	-42.182	5.25
18	MP2A	Mx	0	5.25
19	MP2B	X	0	.25
20	MP2B	Z	-26.675	.25
21	MP2B	Mx	.012	.25
22	MP2B	X	0	5.25
23	MP2B	Z	-26.675	5.25
24	MP2B	Mx	.012	5.25
25	MP3B	X	0	.25
26	MP3B	Z	-26.675	.25
27	MP3B	Mx	.012	.25
28	MP3B	X	0	5.25
29	MP3B	Z	-26.675	5.25
30	MP3B	Mx	.012	5.25
31	MP3C	X	0	.25
32	MP3C	Z	-26.675	.25
33	MP3C	Mx	-.012	.25
34	MP3C	X	0	5.25
35	MP3C	Z	-26.675	5.25
36	MP3C	Mx	-.012	5.25
37	MP4C	X	0	.25
38	MP4C	Z	-26.675	.25
39	MP4C	Mx	-.012	.25
40	MP4C	X	0	5.25
41	MP4C	Z	-26.675	5.25
42	MP4C	Mx	-.012	5.25
43	MP4B	X	0	.25
44	MP4B	Z	-22.56	.25
45	MP4B	Mx	.01	.25
46	MP4B	X	0	5.25
47	MP4B	Z	-22.56	5.25
48	MP4B	Mx	.01	5.25
49	MP1C	X	0	.25
50	MP1C	Z	-22.368	.25
51	MP1C	Mx	-.01	.25
52	MP1C	X	0	5.25
53	MP1C	Z	-22.368	5.25
54	MP1C	Mx	-.01	5.25
55	MP3A	X	0	.25
56	MP3A	Z	-28.761	.25
57	MP3A	Mx	0	.25
58	MP3A	X	0	5.25
59	MP3A	Z	-28.761	5.25
60	MP3A	Mx	0	5.25
61	M101	X	0	1
62	M101	Z	-23.767	1
63	M101	Mx	0	1
64	MP1B	X	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
65	MP1B	Z	-10.098	1.25
66	MP1B	Mx	.004	1.25
67	MP1B	X	0	2.75
68	MP1B	Z	-10.098	2.75
69	MP1B	Mx	.004	2.75
70	MP2C	X	0	2
71	MP2C	Z	-10.098	2
72	MP2C	Mx	-.004	2
73	MP2C	X	0	3.5
74	MP2C	Z	-10.098	3.5
75	MP2C	Mx	-.004	3.5
76	MP4A	X	0	.5
77	MP4A	Z	-17.302	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	2
80	MP4A	Z	-17.302	2
81	MP4A	Mx	0	2
82	MP1A	X	0	2.25
83	MP1A	Z	-15.004	2.25
84	MP1A	Mx	0	2.25
85	MP2B	X	0	3
86	MP2B	Z	-11.737	3
87	MP2B	Mx	-.005	3
88	MP3C	X	0	3
89	MP3C	Z	-11.737	3
90	MP3C	Mx	.005	3
91	MP2A	X	0	3
92	MP2A	Z	-15.004	3
93	MP2A	Mx	0	3
94	MP3B	X	0	3
95	MP3B	Z	-10.496	3
96	MP3B	Mx	-.005	3
97	MP4C	X	0	1.5
98	MP4C	Z	-10.496	1.5
99	MP4C	Mx	.005	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	12.67	1
2	M103	Z	-21.944	1
3	M103	Mx	0	1
4	MP2A	X	3.638	5
5	MP2A	Z	-6.302	5
6	MP2A	Mx	.002	5
7	MP1A	X	18.506	.25
8	MP1A	Z	-32.054	.25
9	MP1A	Mx	-.009	.25
10	MP1A	X	18.506	5.25
11	MP1A	Z	-32.054	5.25
12	MP1A	Mx	-.009	5.25
13	MP2A	X	18.506	.25
14	MP2A	Z	-32.054	.25
15	MP2A	Mx	-.009	.25
16	MP2A	X	18.506	5.25
17	MP2A	Z	-32.054	5.25
18	MP2A	Mx	-.009	5.25
19	MP2B	X	10.753	.25
20	MP2B	Z	-18.625	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
21	MP2B	Mx	.011	.25
22	MP2B	X	10.753	5.25
23	MP2B	Z	-18.625	5.25
24	MP2B	Mx	.011	5.25
25	MP3B	X	10.753	.25
26	MP3B	Z	-18.625	.25
27	MP3B	Mx	.011	.25
28	MP3B	X	10.753	5.25
29	MP3B	Z	-18.625	5.25
30	MP3B	Mx	.011	5.25
31	MP3C	X	18.506	.25
32	MP3C	Z	-32.054	.25
33	MP3C	Mx	-.009	.25
34	MP3C	X	18.506	5.25
35	MP3C	Z	-32.054	5.25
36	MP3C	Mx	-.009	5.25
37	MP4C	X	18.506	.25
38	MP4C	Z	-32.054	.25
39	MP4C	Mx	-.009	.25
40	MP4C	X	18.506	5.25
41	MP4C	Z	-32.054	5.25
42	MP4C	Mx	-.009	5.25
43	MP4B	X	9.998	.25
44	MP4B	Z	-17.316	.25
45	MP4B	Mx	.01	.25
46	MP4B	X	9.998	5.25
47	MP4B	Z	-17.316	5.25
48	MP4B	Mx	.01	5.25
49	MP1C	X	13.315	.25
50	MP1C	Z	-23.062	.25
51	MP1C	Mx	-.007	.25
52	MP1C	X	13.315	5.25
53	MP1C	Z	-23.062	5.25
54	MP1C	Mx	-.007	5.25
55	MP3A	X	13.315	.25
56	MP3A	Z	-23.062	.25
57	MP3A	Mx	-.007	.25
58	MP3A	X	13.315	5.25
59	MP3A	Z	-23.062	5.25
60	MP3A	Mx	-.007	5.25
61	M101	X	12.67	1
62	M101	Z	-21.944	1
63	M101	Mx	0	1
64	MP1B	X	3.849	1.25
65	MP1B	Z	-6.666	1.25
66	MP1B	Mx	.004	1.25
67	MP1B	X	3.849	2.75
68	MP1B	Z	-6.666	2.75
69	MP1B	Mx	.004	2.75
70	MP2C	X	7.45	2
71	MP2C	Z	-12.904	2
72	MP2C	Mx	-.004	2
73	MP2C	X	7.45	3.5
74	MP2C	Z	-12.904	3.5
75	MP2C	Mx	-.004	3.5
76	MP4A	X	7.45	.5
77	MP4A	Z	-12.904	.5
78	MP4A	Mx	-.004	.5
79	MP4A	X	7.45	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP4A	Z	-12.904	2
81	MP4A	Mx	-.004	2
82	MP1A	X	6.958	2.25
83	MP1A	Z	-12.051	2.25
84	MP1A	Mx	.003	2.25
85	MP2B	X	5.324	3
86	MP2B	Z	-9.222	3
87	MP2B	Mx	-.005	3
88	MP3C	X	6.958	3
89	MP3C	Z	-12.051	3
90	MP3C	Mx	.003	3
91	MP2A	X	6.751	3
92	MP2A	Z	-11.693	3
93	MP2A	Mx	.003	3
94	MP3B	X	4.496	3
95	MP3B	Z	-7.788	3
96	MP3B	Mx	-.004	3
97	MP4C	X	6.751	1.5
98	MP4C	Z	-11.693	1.5
99	MP4C	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	24.667	1
2	M103	Z	-14.242	1
3	M103	Mx	0	1
4	MP2A	X	4.147	5
5	MP2A	Z	-2.394	5
6	MP2A	Mx	.002	5
7	MP1A	X	23.101	.25
8	MP1A	Z	-13.338	.25
9	MP1A	Mx	-.012	.25
10	MP1A	X	23.101	5.25
11	MP1A	Z	-13.338	5.25
12	MP1A	Mx	-.012	5.25
13	MP2A	X	23.101	.25
14	MP2A	Z	-13.338	.25
15	MP2A	Mx	-.012	.25
16	MP2A	X	23.101	5.25
17	MP2A	Z	-13.338	5.25
18	MP2A	Mx	-.012	5.25
19	MP2B	X	23.101	.25
20	MP2B	Z	-13.338	.25
21	MP2B	Mx	.012	.25
22	MP2B	X	23.101	5.25
23	MP2B	Z	-13.338	5.25
24	MP2B	Mx	.012	5.25
25	MP3B	X	23.101	.25
26	MP3B	Z	-13.338	.25
27	MP3B	Mx	.012	.25
28	MP3B	X	23.101	5.25
29	MP3B	Z	-13.338	5.25
30	MP3B	Mx	.012	5.25
31	MP3C	X	36.531	.25
32	MP3C	Z	-21.091	.25
33	MP3C	Mx	0	.25
34	MP3C	X	36.531	5.25
35	MP3C	Z	-21.091	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP3C	Mx	0	5.25
37	MP4C	X	36.531	.25
38	MP4C	Z	-21.091	.25
39	MP4C	Mx	0	.25
40	MP4C	X	36.531	5.25
41	MP4C	Z	-21.091	5.25
42	MP4C	Mx	0	5.25
43	MP4B	X	19.537	.25
44	MP4B	Z	-11.28	.25
45	MP4B	Mx	.01	.25
46	MP4B	X	19.537	5.25
47	MP4B	Z	-11.28	5.25
48	MP4B	Mx	.01	5.25
49	MP1C	X	24.908	.25
50	MP1C	Z	-14.38	.25
51	MP1C	Mx	0	.25
52	MP1C	X	24.908	5.25
53	MP1C	Z	-14.38	5.25
54	MP1C	Mx	0	5.25
55	MP3A	X	19.371	.25
56	MP3A	Z	-11.184	.25
57	MP3A	Mx	-.01	.25
58	MP3A	X	19.371	5.25
59	MP3A	Z	-11.184	5.25
60	MP3A	Mx	-.01	5.25
61	M101	X	24.667	1
62	M101	Z	-14.242	1
63	M101	Mx	0	1
64	MP1B	X	8.745	1.25
65	MP1B	Z	-5.049	1.25
66	MP1B	Mx	.004	1.25
67	MP1B	X	8.745	2.75
68	MP1B	Z	-5.049	2.75
69	MP1B	Mx	.004	2.75
70	MP2C	X	14.984	2
71	MP2C	Z	-8.651	2
72	MP2C	Mx	0	2
73	MP2C	X	14.984	3.5
74	MP2C	Z	-8.651	3.5
75	MP2C	Mx	0	3.5
76	MP4A	X	8.745	.5
77	MP4A	Z	-5.049	.5
78	MP4A	Mx	-.004	.5
79	MP4A	X	8.745	2
80	MP4A	Z	-5.049	2
81	MP4A	Mx	-.004	2
82	MP1A	X	10.165	2.25
83	MP1A	Z	-5.869	2.25
84	MP1A	Mx	.005	2.25
85	MP2B	X	10.165	3
86	MP2B	Z	-5.869	3
87	MP2B	Mx	-.005	3
88	MP3C	X	12.994	3
89	MP3C	Z	-7.502	3
90	MP3C	Mx	0	3
91	MP2A	X	9.09	3
92	MP2A	Z	-5.248	3
93	MP2A	Mx	.005	3
94	MP3B	X	9.09	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
95	MP3B	Z	-5.248	3
96	MP3B	Mx	-.005	3
97	MP4C	X	12.994	1.5
98	MP4C	Z	-7.502	1.5
99	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	30.055	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP2A	X	3.544	5
5	MP2A	Z	0	5
6	MP2A	Mx	.002	5
7	MP1A	X	21.506	.25
8	MP1A	Z	0	.25
9	MP1A	Mx	-.011	.25
10	MP1A	X	21.506	5.25
11	MP1A	Z	0	5.25
12	MP1A	Mx	-.011	5.25
13	MP2A	X	21.506	.25
14	MP2A	Z	0	.25
15	MP2A	Mx	-.011	.25
16	MP2A	X	21.506	5.25
17	MP2A	Z	0	5.25
18	MP2A	Mx	-.011	5.25
19	MP2B	X	37.013	.25
20	MP2B	Z	0	.25
21	MP2B	Mx	.009	.25
22	MP2B	X	37.013	5.25
23	MP2B	Z	0	5.25
24	MP2B	Mx	.009	5.25
25	MP3B	X	37.013	.25
26	MP3B	Z	0	.25
27	MP3B	Mx	.009	.25
28	MP3B	X	37.013	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	.009	5.25
31	MP3C	X	37.013	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	.009	.25
34	MP3C	X	37.013	5.25
35	MP3C	Z	0	5.25
36	MP3C	Mx	.009	5.25
37	MP4C	X	37.013	.25
38	MP4C	Z	0	.25
39	MP4C	Mx	.009	.25
40	MP4C	X	37.013	5.25
41	MP4C	Z	0	5.25
42	MP4C	Mx	.009	5.25
43	MP4B	X	27.689	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	.007	.25
46	MP4B	X	27.689	5.25
47	MP4B	Z	0	5.25
48	MP4B	Mx	.007	5.25
49	MP1C	X	26.63	.25
50	MP1C	Z	0	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
51	MP1C	Mx	.007	.25
52	MP1C	X	26.63	5.25
53	MP1C	Z	0	5.25
54	MP1C	Mx	.007	5.25
55	MP3A	X	20.237	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	-.01	.25
58	MP3A	X	20.237	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	-.01	5.25
61	M101	X	30.055	1
62	M101	Z	0	1
63	M101	Mx	0	1
64	MP1B	X	14.901	1.25
65	MP1B	Z	0	1.25
66	MP1B	Mx	.004	1.25
67	MP1B	X	14.901	2.75
68	MP1B	Z	0	2.75
69	MP1B	Mx	.004	2.75
70	MP2C	X	14.901	2
71	MP2C	Z	0	2
72	MP2C	Mx	.004	2
73	MP2C	X	14.901	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	.004	3.5
76	MP4A	X	7.697	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	-.004	.5
79	MP4A	X	7.697	2
80	MP4A	Z	0	2
81	MP4A	Mx	-.004	2
82	MP1A	X	10.648	2.25
83	MP1A	Z	0	2.25
84	MP1A	Mx	.005	2.25
85	MP2B	X	13.915	3
86	MP2B	Z	0	3
87	MP2B	Mx	-.003	3
88	MP3C	X	13.915	3
89	MP3C	Z	0	3
90	MP3C	Mx	-.003	3
91	MP2A	X	8.993	3
92	MP2A	Z	0	3
93	MP2A	Mx	.004	3
94	MP3B	X	13.501	3
95	MP3B	Z	0	3
96	MP3B	Mx	-.003	3
97	MP4C	X	13.501	1.5
98	MP4C	Z	0	1.5
99	MP4C	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	24.667	1
2	M103	Z	14.242	1
3	M103	Mx	0	1
4	MP2A	X	4.147	5
5	MP2A	Z	2.394	5
6	MP2A	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
7	MP1A	X	23.101	.25
8	MP1A	Z	13.338	.25
9	MP1A	Mx	-.012	.25
10	MP1A	X	23.101	5.25
11	MP1A	Z	13.338	5.25
12	MP1A	Mx	-.012	5.25
13	MP2A	X	23.101	.25
14	MP2A	Z	13.338	.25
15	MP2A	Mx	-.012	.25
16	MP2A	X	23.101	5.25
17	MP2A	Z	13.338	5.25
18	MP2A	Mx	-.012	5.25
19	MP2B	X	36.531	.25
20	MP2B	Z	21.091	.25
21	MP2B	Mx	0	.25
22	MP2B	X	36.531	5.25
23	MP2B	Z	21.091	5.25
24	MP2B	Mx	0	5.25
25	MP3B	X	36.531	.25
26	MP3B	Z	21.091	.25
27	MP3B	Mx	0	.25
28	MP3B	X	36.531	5.25
29	MP3B	Z	21.091	5.25
30	MP3B	Mx	0	5.25
31	MP3C	X	23.101	.25
32	MP3C	Z	13.338	.25
33	MP3C	Mx	.012	.25
34	MP3C	X	23.101	5.25
35	MP3C	Z	13.338	5.25
36	MP3C	Mx	.012	5.25
37	MP4C	X	23.101	.25
38	MP4C	Z	13.338	.25
39	MP4C	Mx	.012	.25
40	MP4C	X	23.101	5.25
41	MP4C	Z	13.338	5.25
42	MP4C	Mx	.012	5.25
43	MP4B	X	26.201	.25
44	MP4B	Z	15.127	.25
45	MP4B	Mx	0	.25
46	MP4B	X	26.201	5.25
47	MP4B	Z	15.127	5.25
48	MP4B	Mx	0	5.25
49	MP1C	X	19.371	.25
50	MP1C	Z	11.184	.25
51	MP1C	Mx	.01	.25
52	MP1C	X	19.371	5.25
53	MP1C	Z	11.184	5.25
54	MP1C	Mx	.01	5.25
55	MP3A	X	19.371	.25
56	MP3A	Z	11.184	.25
57	MP3A	Mx	-.01	.25
58	MP3A	X	19.371	5.25
59	MP3A	Z	11.184	5.25
60	MP3A	Mx	-.01	5.25
61	M101	X	24.667	1
62	M101	Z	14.242	1
63	M101	Mx	0	1
64	MP1B	X	14.984	1.25
65	MP1B	Z	8.651	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP1B	Mx	0	1.25
67	MP1B	X	14.984	2.75
68	MP1B	Z	8.651	2.75
69	MP1B	Mx	0	2.75
70	MP2C	X	8.745	2
71	MP2C	Z	5.049	2
72	MP2C	Mx	.004	2
73	MP2C	X	8.745	3.5
74	MP2C	Z	5.049	3.5
75	MP2C	Mx	.004	3.5
76	MP4A	X	8.745	.5
77	MP4A	Z	5.049	.5
78	MP4A	Mx	-.004	.5
79	MP4A	X	8.745	2
80	MP4A	Z	5.049	2
81	MP4A	Mx	-.004	2
82	MP1A	X	10.165	2.25
83	MP1A	Z	5.869	2.25
84	MP1A	Mx	.005	2.25
85	MP2B	X	12.994	3
86	MP2B	Z	7.502	3
87	MP2B	Mx	0	3
88	MP3C	X	10.165	3
89	MP3C	Z	5.869	3
90	MP3C	Mx	-.005	3
91	MP2A	X	9.09	3
92	MP2A	Z	5.248	3
93	MP2A	Mx	.005	3
94	MP3B	X	12.994	3
95	MP3B	Z	7.502	3
96	MP3B	Mx	0	3
97	MP4C	X	9.09	1.5
98	MP4C	Z	5.248	1.5
99	MP4C	Mx	-.005	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	12.67	1
2	M103	Z	21.944	1
3	M103	Mx	0	1
4	MP2A	X	3.638	5
5	MP2A	Z	6.302	5
6	MP2A	Mx	.002	5
7	MP1A	X	18.506	.25
8	MP1A	Z	32.054	.25
9	MP1A	Mx	-.009	.25
10	MP1A	X	18.506	5.25
11	MP1A	Z	32.054	5.25
12	MP1A	Mx	-.009	5.25
13	MP2A	X	18.506	.25
14	MP2A	Z	32.054	.25
15	MP2A	Mx	-.009	.25
16	MP2A	X	18.506	5.25
17	MP2A	Z	32.054	5.25
18	MP2A	Mx	-.009	5.25
19	MP2B	X	18.506	.25
20	MP2B	Z	32.054	.25
21	MP2B	Mx	-.009	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP2B	X	18.506	5.25
23	MP2B	Z	32.054	5.25
24	MP2B	Mx	-.009	5.25
25	MP3B	X	18.506	.25
26	MP3B	Z	32.054	.25
27	MP3B	Mx	-.009	.25
28	MP3B	X	18.506	5.25
29	MP3B	Z	32.054	5.25
30	MP3B	Mx	-.009	5.25
31	MP3C	X	10.753	.25
32	MP3C	Z	18.625	.25
33	MP3C	Mx	.011	.25
34	MP3C	X	10.753	5.25
35	MP3C	Z	18.625	5.25
36	MP3C	Mx	.011	5.25
37	MP4C	X	10.753	.25
38	MP4C	Z	18.625	.25
39	MP4C	Mx	.011	.25
40	MP4C	X	10.753	5.25
41	MP4C	Z	18.625	5.25
42	MP4C	Mx	.011	5.25
43	MP4B	X	13.845	.25
44	MP4B	Z	23.98	.25
45	MP4B	Mx	-.007	.25
46	MP4B	X	13.845	5.25
47	MP4B	Z	23.98	5.25
48	MP4B	Mx	-.007	5.25
49	MP1C	X	10.118	.25
50	MP1C	Z	17.526	.25
51	MP1C	Mx	.01	.25
52	MP1C	X	10.118	5.25
53	MP1C	Z	17.526	5.25
54	MP1C	Mx	.01	5.25
55	MP3A	X	13.315	.25
56	MP3A	Z	23.062	.25
57	MP3A	Mx	-.007	.25
58	MP3A	X	13.315	5.25
59	MP3A	Z	23.062	5.25
60	MP3A	Mx	-.007	5.25
61	M101	X	12.67	1
62	M101	Z	21.944	1
63	M101	Mx	0	1
64	MP1B	X	7.45	1.25
65	MP1B	Z	12.904	1.25
66	MP1B	Mx	-.004	1.25
67	MP1B	X	7.45	2.75
68	MP1B	Z	12.904	2.75
69	MP1B	Mx	-.004	2.75
70	MP2C	X	3.849	2
71	MP2C	Z	6.666	2
72	MP2C	Mx	.004	2
73	MP2C	X	3.849	3.5
74	MP2C	Z	6.666	3.5
75	MP2C	Mx	.004	3.5
76	MP4A	X	7.45	.5
77	MP4A	Z	12.904	.5
78	MP4A	Mx	-.004	.5
79	MP4A	X	7.45	2
80	MP4A	Z	12.904	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
81	MP4A	Mx	-.004	2
82	MP1A	X	6.958	2.25
83	MP1A	Z	12.051	2.25
84	MP1A	Mx	.003	2.25
85	MP2B	X	6.958	3
86	MP2B	Z	12.051	3
87	MP2B	Mx	.003	3
88	MP3C	X	5.324	3
89	MP3C	Z	9.222	3
90	MP3C	Mx	-.005	3
91	MP2A	X	6.751	3
92	MP2A	Z	11.693	3
93	MP2A	Mx	.003	3
94	MP3B	X	6.751	3
95	MP3B	Z	11.693	3
96	MP3B	Mx	.003	3
97	MP4C	X	4.496	1.5
98	MP4C	Z	7.788	1.5
99	MP4C	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	0	1
2	M103	Z	23.767	1
3	M103	Mx	0	1
4	MP2A	X	0	5
5	MP2A	Z	8.521	5
6	MP2A	Mx	0	5
7	MP1A	X	0	.25
8	MP1A	Z	42.182	.25
9	MP1A	Mx	0	.25
10	MP1A	X	0	5.25
11	MP1A	Z	42.182	5.25
12	MP1A	Mx	0	5.25
13	MP2A	X	0	.25
14	MP2A	Z	42.182	.25
15	MP2A	Mx	0	.25
16	MP2A	X	0	5.25
17	MP2A	Z	42.182	5.25
18	MP2A	Mx	0	5.25
19	MP2B	X	0	.25
20	MP2B	Z	26.675	.25
21	MP2B	Mx	-.012	.25
22	MP2B	X	0	5.25
23	MP2B	Z	26.675	5.25
24	MP2B	Mx	-.012	5.25
25	MP3B	X	0	.25
26	MP3B	Z	26.675	.25
27	MP3B	Mx	-.012	.25
28	MP3B	X	0	5.25
29	MP3B	Z	26.675	5.25
30	MP3B	Mx	-.012	5.25
31	MP3C	X	0	.25
32	MP3C	Z	26.675	.25
33	MP3C	Mx	.012	.25
34	MP3C	X	0	5.25
35	MP3C	Z	26.675	5.25
36	MP3C	Mx	.012	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
37	MP4C	X	0	.25
38	MP4C	Z	26.675	.25
39	MP4C	Mx	.012	.25
40	MP4C	X	0	5.25
41	MP4C	Z	26.675	5.25
42	MP4C	Mx	.012	5.25
43	MP4B	X	0	.25
44	MP4B	Z	22.56	.25
45	MP4B	Mx	-.01	.25
46	MP4B	X	0	5.25
47	MP4B	Z	22.56	5.25
48	MP4B	Mx	-.01	5.25
49	MP1C	X	0	.25
50	MP1C	Z	22.368	.25
51	MP1C	Mx	.01	.25
52	MP1C	X	0	5.25
53	MP1C	Z	22.368	5.25
54	MP1C	Mx	.01	5.25
55	MP3A	X	0	.25
56	MP3A	Z	28.761	.25
57	MP3A	Mx	0	.25
58	MP3A	X	0	5.25
59	MP3A	Z	28.761	5.25
60	MP3A	Mx	0	5.25
61	M101	X	0	1
62	M101	Z	23.767	1
63	M101	Mx	0	1
64	MP1B	X	0	1.25
65	MP1B	Z	10.098	1.25
66	MP1B	Mx	-.004	1.25
67	MP1B	X	0	2.75
68	MP1B	Z	10.098	2.75
69	MP1B	Mx	-.004	2.75
70	MP2C	X	0	2
71	MP2C	Z	10.098	2
72	MP2C	Mx	.004	2
73	MP2C	X	0	3.5
74	MP2C	Z	10.098	3.5
75	MP2C	Mx	.004	3.5
76	MP4A	X	0	.5
77	MP4A	Z	17.302	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	2
80	MP4A	Z	17.302	2
81	MP4A	Mx	0	2
82	MP1A	X	0	2.25
83	MP1A	Z	15.004	2.25
84	MP1A	Mx	0	2.25
85	MP2B	X	0	3
86	MP2B	Z	11.737	3
87	MP2B	Mx	.005	3
88	MP3C	X	0	3
89	MP3C	Z	11.737	3
90	MP3C	Mx	-.005	3
91	MP2A	X	0	3
92	MP2A	Z	15.004	3
93	MP2A	Mx	0	3
94	MP3B	X	0	3
95	MP3B	Z	10.496	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
96	MP3B	Mx	.005	3
97	MP4C	X	0	1.5
98	MP4C	Z	10.496	1.5
99	MP4C	Mx	-.005	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-12.67	1
2	M103	Z	21.944	1
3	M103	Mx	0	1
4	MP2A	X	-3.638	5
5	MP2A	Z	6.302	5
6	MP2A	Mx	-.002	5
7	MP1A	X	-18.506	.25
8	MP1A	Z	32.054	.25
9	MP1A	Mx	.009	.25
10	MP1A	X	-18.506	5.25
11	MP1A	Z	32.054	5.25
12	MP1A	Mx	.009	5.25
13	MP2A	X	-18.506	.25
14	MP2A	Z	32.054	.25
15	MP2A	Mx	.009	.25
16	MP2A	X	-18.506	5.25
17	MP2A	Z	32.054	5.25
18	MP2A	Mx	.009	5.25
19	MP2B	X	-10.753	.25
20	MP2B	Z	18.625	.25
21	MP2B	Mx	-.011	.25
22	MP2B	X	-10.753	5.25
23	MP2B	Z	18.625	5.25
24	MP2B	Mx	-.011	5.25
25	MP3B	X	-10.753	.25
26	MP3B	Z	18.625	.25
27	MP3B	Mx	-.011	.25
28	MP3B	X	-10.753	5.25
29	MP3B	Z	18.625	5.25
30	MP3B	Mx	-.011	5.25
31	MP3C	X	-18.506	.25
32	MP3C	Z	32.054	.25
33	MP3C	Mx	.009	.25
34	MP3C	X	-18.506	5.25
35	MP3C	Z	32.054	5.25
36	MP3C	Mx	.009	5.25
37	MP4C	X	-18.506	.25
38	MP4C	Z	32.054	.25
39	MP4C	Mx	.009	.25
40	MP4C	X	-18.506	5.25
41	MP4C	Z	32.054	5.25
42	MP4C	Mx	.009	5.25
43	MP4B	X	-9.998	.25
44	MP4B	Z	17.316	.25
45	MP4B	Mx	-.01	.25
46	MP4B	X	-9.998	5.25
47	MP4B	Z	17.316	5.25
48	MP4B	Mx	-.01	5.25
49	MP1C	X	-13.315	.25
50	MP1C	Z	23.062	.25
51	MP1C	Mx	.007	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
52	MP1C	X	-13.315	5.25
53	MP1C	Z	23.062	5.25
54	MP1C	Mx	.007	5.25
55	MP3A	X	-13.315	.25
56	MP3A	Z	23.062	.25
57	MP3A	Mx	.007	.25
58	MP3A	X	-13.315	5.25
59	MP3A	Z	23.062	5.25
60	MP3A	Mx	.007	5.25
61	M101	X	-12.67	1
62	M101	Z	21.944	1
63	M101	Mx	0	1
64	MP1B	X	-3.849	1.25
65	MP1B	Z	6.666	1.25
66	MP1B	Mx	-.004	1.25
67	MP1B	X	-3.849	2.75
68	MP1B	Z	6.666	2.75
69	MP1B	Mx	-.004	2.75
70	MP2C	X	-7.45	2
71	MP2C	Z	12.904	2
72	MP2C	Mx	.004	2
73	MP2C	X	-7.45	3.5
74	MP2C	Z	12.904	3.5
75	MP2C	Mx	.004	3.5
76	MP4A	X	-7.45	.5
77	MP4A	Z	12.904	.5
78	MP4A	Mx	.004	.5
79	MP4A	X	-7.45	2
80	MP4A	Z	12.904	2
81	MP4A	Mx	.004	2
82	MP1A	X	-6.958	2.25
83	MP1A	Z	12.051	2.25
84	MP1A	Mx	-.003	2.25
85	MP2B	X	-5.324	3
86	MP2B	Z	9.222	3
87	MP2B	Mx	.005	3
88	MP3C	X	-6.958	3
89	MP3C	Z	12.051	3
90	MP3C	Mx	-.003	3
91	MP2A	X	-6.751	3
92	MP2A	Z	11.693	3
93	MP2A	Mx	-.003	3
94	MP3B	X	-4.496	3
95	MP3B	Z	7.788	3
96	MP3B	Mx	.004	3
97	MP4C	X	-6.751	1.5
98	MP4C	Z	11.693	1.5
99	MP4C	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-24.667	1
2	M103	Z	14.242	1
3	M103	Mx	0	1
4	MP2A	X	-4.147	5
5	MP2A	Z	2.394	5
6	MP2A	Mx	-.002	5
7	MP1A	X	-23.101	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
8	MP1A	Z	13.338	.25
9	MP1A	Mx	.012	.25
10	MP1A	X	-23.101	5.25
11	MP1A	Z	13.338	5.25
12	MP1A	Mx	.012	5.25
13	MP2A	X	-23.101	.25
14	MP2A	Z	13.338	.25
15	MP2A	Mx	.012	.25
16	MP2A	X	-23.101	5.25
17	MP2A	Z	13.338	5.25
18	MP2A	Mx	.012	5.25
19	MP2B	X	-23.101	.25
20	MP2B	Z	13.338	.25
21	MP2B	Mx	-.012	.25
22	MP2B	X	-23.101	5.25
23	MP2B	Z	13.338	5.25
24	MP2B	Mx	-.012	5.25
25	MP3B	X	-23.101	.25
26	MP3B	Z	13.338	.25
27	MP3B	Mx	-.012	.25
28	MP3B	X	-23.101	5.25
29	MP3B	Z	13.338	5.25
30	MP3B	Mx	-.012	5.25
31	MP3C	X	-36.531	.25
32	MP3C	Z	21.091	.25
33	MP3C	Mx	0	.25
34	MP3C	X	-36.531	5.25
35	MP3C	Z	21.091	5.25
36	MP3C	Mx	0	5.25
37	MP4C	X	-36.531	.25
38	MP4C	Z	21.091	.25
39	MP4C	Mx	0	.25
40	MP4C	X	-36.531	5.25
41	MP4C	Z	21.091	5.25
42	MP4C	Mx	0	5.25
43	MP4B	X	-19.537	.25
44	MP4B	Z	11.28	.25
45	MP4B	Mx	-.01	.25
46	MP4B	X	-19.537	5.25
47	MP4B	Z	11.28	5.25
48	MP4B	Mx	-.01	5.25
49	MP1C	X	-24.908	.25
50	MP1C	Z	14.38	.25
51	MP1C	Mx	0	.25
52	MP1C	X	-24.908	5.25
53	MP1C	Z	14.38	5.25
54	MP1C	Mx	0	5.25
55	MP3A	X	-19.371	.25
56	MP3A	Z	11.184	.25
57	MP3A	Mx	.01	.25
58	MP3A	X	-19.371	5.25
59	MP3A	Z	11.184	5.25
60	MP3A	Mx	.01	5.25
61	M101	X	-24.667	1
62	M101	Z	14.242	1
63	M101	Mx	0	1
64	MP1B	X	-8.745	1.25
65	MP1B	Z	5.049	1.25
66	MP1B	Mx	-.004	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
67	MP1B	X	-8.745	2.75
68	MP1B	Z	5.049	2.75
69	MP1B	Mx	-.004	2.75
70	MP2C	X	-14.984	2
71	MP2C	Z	8.651	2
72	MP2C	Mx	0	2
73	MP2C	X	-14.984	3.5
74	MP2C	Z	8.651	3.5
75	MP2C	Mx	0	3.5
76	MP4A	X	-8.745	.5
77	MP4A	Z	5.049	.5
78	MP4A	Mx	.004	.5
79	MP4A	X	-8.745	2
80	MP4A	Z	5.049	2
81	MP4A	Mx	.004	2
82	MP1A	X	-10.165	2.25
83	MP1A	Z	5.869	2.25
84	MP1A	Mx	-.005	2.25
85	MP2B	X	-10.165	3
86	MP2B	Z	5.869	3
87	MP2B	Mx	.005	3
88	MP3C	X	-12.994	3
89	MP3C	Z	7.502	3
90	MP3C	Mx	0	3
91	MP2A	X	-9.09	3
92	MP2A	Z	5.248	3
93	MP2A	Mx	-.005	3
94	MP3B	X	-9.09	3
95	MP3B	Z	5.248	3
96	MP3B	Mx	.005	3
97	MP4C	X	-12.994	1.5
98	MP4C	Z	7.502	1.5
99	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-30.055	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP2A	X	-3.544	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.002	5
7	MP1A	X	-21.506	.25
8	MP1A	Z	0	.25
9	MP1A	Mx	.011	.25
10	MP1A	X	-21.506	5.25
11	MP1A	Z	0	5.25
12	MP1A	Mx	.011	5.25
13	MP2A	X	-21.506	.25
14	MP2A	Z	0	.25
15	MP2A	Mx	.011	.25
16	MP2A	X	-21.506	5.25
17	MP2A	Z	0	5.25
18	MP2A	Mx	.011	5.25
19	MP2B	X	-37.013	.25
20	MP2B	Z	0	.25
21	MP2B	Mx	-.009	.25
22	MP2B	X	-37.013	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
23	MP2B	Z	0	5.25
24	MP2B	Mx	-.009	5.25
25	MP3B	X	-37.013	.25
26	MP3B	Z	0	.25
27	MP3B	Mx	-.009	.25
28	MP3B	X	-37.013	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	-.009	5.25
31	MP3C	X	-37.013	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	-.009	.25
34	MP3C	X	-37.013	5.25
35	MP3C	Z	0	5.25
36	MP3C	Mx	-.009	5.25
37	MP4C	X	-37.013	.25
38	MP4C	Z	0	.25
39	MP4C	Mx	-.009	.25
40	MP4C	X	-37.013	5.25
41	MP4C	Z	0	5.25
42	MP4C	Mx	-.009	5.25
43	MP4B	X	-27.689	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	-.007	.25
46	MP4B	X	-27.689	5.25
47	MP4B	Z	0	5.25
48	MP4B	Mx	-.007	5.25
49	MP1C	X	-26.63	.25
50	MP1C	Z	0	.25
51	MP1C	Mx	-.007	.25
52	MP1C	X	-26.63	5.25
53	MP1C	Z	0	5.25
54	MP1C	Mx	-.007	5.25
55	MP3A	X	-20.237	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	.01	.25
58	MP3A	X	-20.237	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	.01	5.25
61	M101	X	-30.055	1
62	M101	Z	0	1
63	M101	Mx	0	1
64	MP1B	X	-14.901	1.25
65	MP1B	Z	0	1.25
66	MP1B	Mx	-.004	1.25
67	MP1B	X	-14.901	2.75
68	MP1B	Z	0	2.75
69	MP1B	Mx	-.004	2.75
70	MP2C	X	-14.901	2
71	MP2C	Z	0	2
72	MP2C	Mx	-.004	2
73	MP2C	X	-14.901	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	-.004	3.5
76	MP4A	X	-7.697	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	.004	.5
79	MP4A	X	-7.697	2
80	MP4A	Z	0	2
81	MP4A	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
82	MP1A	X	-10.648	2.25
83	MP1A	Z	0	2.25
84	MP1A	Mx	-.005	2.25
85	MP2B	X	-13.915	3
86	MP2B	Z	0	3
87	MP2B	Mx	.003	3
88	MP3C	X	-13.915	3
89	MP3C	Z	0	3
90	MP3C	Mx	.003	3
91	MP2A	X	-8.993	3
92	MP2A	Z	0	3
93	MP2A	Mx	-.004	3
94	MP3B	X	-13.501	3
95	MP3B	Z	0	3
96	MP3B	Mx	.003	3
97	MP4C	X	-13.501	1.5
98	MP4C	Z	0	1.5
99	MP4C	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-24.667	1
2	M103	Z	-14.242	1
3	M103	Mx	0	1
4	MP2A	X	-4.147	5
5	MP2A	Z	-2.394	5
6	MP2A	Mx	-.002	5
7	MP1A	X	-23.101	.25
8	MP1A	Z	-13.338	.25
9	MP1A	Mx	.012	.25
10	MP1A	X	-23.101	5.25
11	MP1A	Z	-13.338	5.25
12	MP1A	Mx	.012	5.25
13	MP2A	X	-23.101	.25
14	MP2A	Z	-13.338	.25
15	MP2A	Mx	.012	.25
16	MP2A	X	-23.101	5.25
17	MP2A	Z	-13.338	5.25
18	MP2A	Mx	.012	5.25
19	MP2B	X	-36.531	.25
20	MP2B	Z	-21.091	.25
21	MP2B	Mx	0	.25
22	MP2B	X	-36.531	5.25
23	MP2B	Z	-21.091	5.25
24	MP2B	Mx	0	5.25
25	MP3B	X	-36.531	.25
26	MP3B	Z	-21.091	.25
27	MP3B	Mx	0	.25
28	MP3B	X	-36.531	5.25
29	MP3B	Z	-21.091	5.25
30	MP3B	Mx	0	5.25
31	MP3C	X	-23.101	.25
32	MP3C	Z	-13.338	.25
33	MP3C	Mx	-.012	.25
34	MP3C	X	-23.101	5.25
35	MP3C	Z	-13.338	5.25
36	MP3C	Mx	-.012	5.25
37	MP4C	X	-23.101	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP4C	Z	-13.338	.25
39	MP4C	Mx	-.012	.25
40	MP4C	X	-23.101	5.25
41	MP4C	Z	-13.338	5.25
42	MP4C	Mx	-.012	5.25
43	MP4B	X	-26.201	.25
44	MP4B	Z	-15.127	.25
45	MP4B	Mx	0	.25
46	MP4B	X	-26.201	5.25
47	MP4B	Z	-15.127	5.25
48	MP4B	Mx	0	5.25
49	MP1C	X	-19.371	.25
50	MP1C	Z	-11.184	.25
51	MP1C	Mx	-.01	.25
52	MP1C	X	-19.371	5.25
53	MP1C	Z	-11.184	5.25
54	MP1C	Mx	-.01	5.25
55	MP3A	X	-19.371	.25
56	MP3A	Z	-11.184	.25
57	MP3A	Mx	.01	.25
58	MP3A	X	-19.371	5.25
59	MP3A	Z	-11.184	5.25
60	MP3A	Mx	.01	5.25
61	M101	X	-24.667	1
62	M101	Z	-14.242	1
63	M101	Mx	0	1
64	MP1B	X	-14.984	1.25
65	MP1B	Z	-8.651	1.25
66	MP1B	Mx	0	1.25
67	MP1B	X	-14.984	2.75
68	MP1B	Z	-8.651	2.75
69	MP1B	Mx	0	2.75
70	MP2C	X	-8.745	2
71	MP2C	Z	-5.049	2
72	MP2C	Mx	-.004	2
73	MP2C	X	-8.745	3.5
74	MP2C	Z	-5.049	3.5
75	MP2C	Mx	-.004	3.5
76	MP4A	X	-8.745	.5
77	MP4A	Z	-5.049	.5
78	MP4A	Mx	.004	.5
79	MP4A	X	-8.745	2
80	MP4A	Z	-5.049	2
81	MP4A	Mx	.004	2
82	MP1A	X	-10.165	2.25
83	MP1A	Z	-5.869	2.25
84	MP1A	Mx	-.005	2.25
85	MP2B	X	-12.994	3
86	MP2B	Z	-7.502	3
87	MP2B	Mx	0	3
88	MP3C	X	-10.165	3
89	MP3C	Z	-5.869	3
90	MP3C	Mx	.005	3
91	MP2A	X	-9.09	3
92	MP2A	Z	-5.248	3
93	MP2A	Mx	-.005	3
94	MP3B	X	-12.994	3
95	MP3B	Z	-7.502	3
96	MP3B	Mx	0	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
97	MP4C	X	-9.09	1.5
98	MP4C	Z	-5.248	1.5
99	MP4C	Mx	.005	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-12.67	1
2	M103	Z	-21.944	1
3	M103	Mx	0	1
4	MP2A	X	-3.638	5
5	MP2A	Z	-6.302	5
6	MP2A	Mx	-.002	5
7	MP1A	X	-18.506	.25
8	MP1A	Z	-32.054	.25
9	MP1A	Mx	.009	.25
10	MP1A	X	-18.506	5.25
11	MP1A	Z	-32.054	5.25
12	MP1A	Mx	.009	5.25
13	MP2A	X	-18.506	.25
14	MP2A	Z	-32.054	.25
15	MP2A	Mx	.009	.25
16	MP2A	X	-18.506	5.25
17	MP2A	Z	-32.054	5.25
18	MP2A	Mx	.009	5.25
19	MP2B	X	-18.506	.25
20	MP2B	Z	-32.054	.25
21	MP2B	Mx	.009	.25
22	MP2B	X	-18.506	5.25
23	MP2B	Z	-32.054	5.25
24	MP2B	Mx	.009	5.25
25	MP3B	X	-18.506	.25
26	MP3B	Z	-32.054	.25
27	MP3B	Mx	.009	.25
28	MP3B	X	-18.506	5.25
29	MP3B	Z	-32.054	5.25
30	MP3B	Mx	.009	5.25
31	MP3C	X	-10.753	.25
32	MP3C	Z	-18.625	.25
33	MP3C	Mx	-.011	.25
34	MP3C	X	-10.753	5.25
35	MP3C	Z	-18.625	5.25
36	MP3C	Mx	-.011	5.25
37	MP4C	X	-10.753	.25
38	MP4C	Z	-18.625	.25
39	MP4C	Mx	-.011	.25
40	MP4C	X	-10.753	5.25
41	MP4C	Z	-18.625	5.25
42	MP4C	Mx	-.011	5.25
43	MP4B	X	-13.845	.25
44	MP4B	Z	-23.98	.25
45	MP4B	Mx	.007	.25
46	MP4B	X	-13.845	5.25
47	MP4B	Z	-23.98	5.25
48	MP4B	Mx	.007	5.25
49	MP1C	X	-10.118	.25
50	MP1C	Z	-17.526	.25
51	MP1C	Mx	-.01	.25
52	MP1C	X	-10.118	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
53	MP1C	Z	-17.526	5.25
54	MP1C	Mx	-.01	5.25
55	MP3A	X	-13.315	.25
56	MP3A	Z	-23.062	.25
57	MP3A	Mx	.007	.25
58	MP3A	X	-13.315	5.25
59	MP3A	Z	-23.062	5.25
60	MP3A	Mx	.007	5.25
61	M101	X	-12.67	1
62	M101	Z	-21.944	1
63	M101	Mx	0	1
64	MP1B	X	-7.45	1.25
65	MP1B	Z	-12.904	1.25
66	MP1B	Mx	.004	1.25
67	MP1B	X	-7.45	2.75
68	MP1B	Z	-12.904	2.75
69	MP1B	Mx	.004	2.75
70	MP2C	X	-3.849	2
71	MP2C	Z	-6.666	2
72	MP2C	Mx	-.004	2
73	MP2C	X	-3.849	3.5
74	MP2C	Z	-6.666	3.5
75	MP2C	Mx	-.004	3.5
76	MP4A	X	-7.45	.5
77	MP4A	Z	-12.904	.5
78	MP4A	Mx	.004	.5
79	MP4A	X	-7.45	2
80	MP4A	Z	-12.904	2
81	MP4A	Mx	.004	2
82	MP1A	X	-6.958	2.25
83	MP1A	Z	-12.051	2.25
84	MP1A	Mx	-.003	2.25
85	MP2B	X	-6.958	3
86	MP2B	Z	-12.051	3
87	MP2B	Mx	-.003	3
88	MP3C	X	-5.324	3
89	MP3C	Z	-9.222	3
90	MP3C	Mx	.005	3
91	MP2A	X	-6.751	3
92	MP2A	Z	-11.693	3
93	MP2A	Mx	-.003	3
94	MP3B	X	-6.751	3
95	MP3B	Z	-11.693	3
96	MP3B	Mx	-.003	3
97	MP4C	X	-4.496	1.5
98	MP4C	Z	-7.788	1.5
99	MP4C	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	0	1
2	M103	Z	-5.321	1
3	M103	Mx	0	1
4	MP2A	X	0	5
5	MP2A	Z	-2.12	5
6	MP2A	Mx	0	5
7	MP1A	X	0	.25
8	MP1A	Z	-13.545	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
9	MP1A	Mx	0	.25
10	MP1A	X	0	5.25
11	MP1A	Z	-13.545	5.25
12	MP1A	Mx	0	5.25
13	MP2A	X	0	.25
14	MP2A	Z	-13.545	.25
15	MP2A	Mx	0	.25
16	MP2A	X	0	5.25
17	MP2A	Z	-13.545	5.25
18	MP2A	Mx	0	5.25
19	MP2B	X	0	.25
20	MP2B	Z	-8.147	.25
21	MP2B	Mx	.004	.25
22	MP2B	X	0	5.25
23	MP2B	Z	-8.147	5.25
24	MP2B	Mx	.004	5.25
25	MP3B	X	0	.25
26	MP3B	Z	-8.147	.25
27	MP3B	Mx	.004	.25
28	MP3B	X	0	5.25
29	MP3B	Z	-8.147	5.25
30	MP3B	Mx	.004	5.25
31	MP3C	X	0	.25
32	MP3C	Z	-8.147	.25
33	MP3C	Mx	-.004	.25
34	MP3C	X	0	5.25
35	MP3C	Z	-8.147	5.25
36	MP3C	Mx	-.004	5.25
37	MP4C	X	0	.25
38	MP4C	Z	-8.147	.25
39	MP4C	Mx	-.004	.25
40	MP4C	X	0	5.25
41	MP4C	Z	-8.147	5.25
42	MP4C	Mx	-.004	5.25
43	MP4B	X	0	.25
44	MP4B	Z	-6.701	.25
45	MP4B	Mx	.003	.25
46	MP4B	X	0	5.25
47	MP4B	Z	-6.701	5.25
48	MP4B	Mx	.003	5.25
49	MP1C	X	0	.25
50	MP1C	Z	-6.655	.25
51	MP1C	Mx	-.003	.25
52	MP1C	X	0	5.25
53	MP1C	Z	-6.655	5.25
54	MP1C	Mx	-.003	5.25
55	MP3A	X	0	.25
56	MP3A	Z	-8.931	.25
57	MP3A	Mx	0	.25
58	MP3A	X	0	5.25
59	MP3A	Z	-8.931	5.25
60	MP3A	Mx	0	5.25
61	M101	X	0	1
62	M101	Z	-5.321	1
63	M101	Mx	0	1
64	MP1B	X	0	1.25
65	MP1B	Z	-2.2	1.25
66	MP1B	Mx	.000953	1.25
67	MP1B	X	0	2.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
68	MP1B	Z	-2.2	2.75
69	MP1B	Mx	.000953	2.75
70	MP2C	X	0	2
71	MP2C	Z	-2.2	2
72	MP2C	Mx	-.000953	2
73	MP2C	X	0	3.5
74	MP2C	Z	-2.2	3.5
75	MP2C	Mx	-.000953	3.5
76	MP4A	X	0	.5
77	MP4A	Z	-4.327	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	2
80	MP4A	Z	-4.327	2
81	MP4A	Mx	0	2
82	MP1A	X	0	2.25
83	MP1A	Z	-3.422	2.25
84	MP1A	Mx	0	2.25
85	MP2B	X	0	3
86	MP2B	Z	-2.578	3
87	MP2B	Mx	-.001	3
88	MP3C	X	0	3
89	MP3C	Z	-2.578	3
90	MP3C	Mx	.001	3
91	MP2A	X	0	3
92	MP2A	Z	-3.422	3
93	MP2A	Mx	0	3
94	MP3B	X	0	3
95	MP3B	Z	-2.263	3
96	MP3B	Mx	-.00098	3
97	MP4C	X	0	1.5
98	MP4C	Z	-2.263	1.5
99	MP4C	Mx	.00098	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	2.87	1
2	M103	Z	-4.971	1
3	M103	Mx	0	1
4	MP2A	X	.875	5
5	MP2A	Z	-1.516	5
6	MP2A	Mx	.000438	5
7	MP1A	X	5.873	.25
8	MP1A	Z	-10.172	.25
9	MP1A	Mx	-.003	.25
10	MP1A	X	5.873	5.25
11	MP1A	Z	-10.172	5.25
12	MP1A	Mx	-.003	5.25
13	MP2A	X	5.873	.25
14	MP2A	Z	-10.172	.25
15	MP2A	Mx	-.003	.25
16	MP2A	X	5.873	5.25
17	MP2A	Z	-10.172	5.25
18	MP2A	Mx	-.003	5.25
19	MP2B	X	3.174	.25
20	MP2B	Z	-5.497	.25
21	MP2B	Mx	.003	.25
22	MP2B	X	3.174	5.25
23	MP2B	Z	-5.497	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
24	MP2B	Mx	.003	5.25
25	MP3B	X	3.174	.25
26	MP3B	Z	-5.497	.25
27	MP3B	Mx	.003	.25
28	MP3B	X	3.174	5.25
29	MP3B	Z	-5.497	5.25
30	MP3B	Mx	.003	5.25
31	MP3C	X	5.873	.25
32	MP3C	Z	-10.172	.25
33	MP3C	Mx	-.003	.25
34	MP3C	X	5.873	5.25
35	MP3C	Z	-10.172	5.25
36	MP3C	Mx	-.003	5.25
37	MP4C	X	5.873	.25
38	MP4C	Z	-10.172	.25
39	MP4C	Mx	-.003	.25
40	MP4C	X	5.873	5.25
41	MP4C	Z	-10.172	5.25
42	MP4C	Mx	-.003	5.25
43	MP4B	X	2.894	.25
44	MP4B	Z	-5.012	.25
45	MP4B	Mx	.003	.25
46	MP4B	X	2.894	5.25
47	MP4B	Z	-5.012	5.25
48	MP4B	Mx	.003	5.25
49	MP1C	X	4.086	.25
50	MP1C	Z	-7.077	.25
51	MP1C	Mx	-.002	.25
52	MP1C	X	4.086	5.25
53	MP1C	Z	-7.077	5.25
54	MP1C	Mx	-.002	5.25
55	MP3A	X	4.086	.25
56	MP3A	Z	-7.077	.25
57	MP3A	Mx	-.002	.25
58	MP3A	X	4.086	5.25
59	MP3A	Z	-7.077	5.25
60	MP3A	Mx	-.002	5.25
61	M101	X	2.87	1
62	M101	Z	-4.971	1
63	M101	Mx	0	1
64	MP1B	X	.745	1.25
65	MP1B	Z	-1.291	1.25
66	MP1B	Mx	.000745	1.25
67	MP1B	X	.745	2.75
68	MP1B	Z	-1.291	2.75
69	MP1B	Mx	.000745	2.75
70	MP2C	X	1.809	2
71	MP2C	Z	-3.133	2
72	MP2C	Mx	-.000904	2
73	MP2C	X	1.809	3.5
74	MP2C	Z	-3.133	3.5
75	MP2C	Mx	-.000904	3.5
76	MP4A	X	1.809	.5
77	MP4A	Z	-3.133	.5
78	MP4A	Mx	-.000904	.5
79	MP4A	X	1.809	2
80	MP4A	Z	-3.133	2
81	MP4A	Mx	-.000904	2
82	MP1A	X	1.57	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
83	MP1A	Z	-2.72	2.25
84	MP1A	Mx	.000785	2.25
85	MP2B	X	1.148	3
86	MP2B	Z	-1.989	3
87	MP2B	Mx	-.001	3
88	MP3C	X	1.57	3
89	MP3C	Z	-2.72	3
90	MP3C	Mx	.000785	3
91	MP2A	X	1.518	3
92	MP2A	Z	-2.629	3
93	MP2A	Mx	.000759	3
94	MP3B	X	.938	3
95	MP3B	Z	-1.625	3
96	MP3B	Mx	-.000938	3
97	MP4C	X	1.518	1.5
98	MP4C	Z	-2.629	1.5
99	MP4C	Mx	.000759	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	5.698	1
2	M103	Z	-3.29	1
3	M103	Mx	0	1
4	MP2A	X	.876	5
5	MP2A	Z	-.506	5
6	MP2A	Mx	.000438	5
7	MP1A	X	7.055	.25
8	MP1A	Z	-4.073	.25
9	MP1A	Mx	-.004	.25
10	MP1A	X	7.055	5.25
11	MP1A	Z	-4.073	5.25
12	MP1A	Mx	-.004	5.25
13	MP2A	X	7.055	.25
14	MP2A	Z	-4.073	.25
15	MP2A	Mx	-.004	.25
16	MP2A	X	7.055	5.25
17	MP2A	Z	-4.073	5.25
18	MP2A	Mx	-.004	5.25
19	MP2B	X	7.055	.25
20	MP2B	Z	-4.073	.25
21	MP2B	Mx	.004	.25
22	MP2B	X	7.055	5.25
23	MP2B	Z	-4.073	5.25
24	MP2B	Mx	.004	5.25
25	MP3B	X	7.055	.25
26	MP3B	Z	-4.073	.25
27	MP3B	Mx	.004	.25
28	MP3B	X	7.055	5.25
29	MP3B	Z	-4.073	5.25
30	MP3B	Mx	.004	5.25
31	MP3C	X	11.73	.25
32	MP3C	Z	-6.773	.25
33	MP3C	Mx	0	.25
34	MP3C	X	11.73	5.25
35	MP3C	Z	-6.773	5.25
36	MP3C	Mx	0	5.25
37	MP4C	X	11.73	.25
38	MP4C	Z	-6.773	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
39	MP4C	Mx	0	.25
40	MP4C	X	11.73	5.25
41	MP4C	Z	-6.773	5.25
42	MP4C	Mx	0	5.25
43	MP4B	X	5.803	.25
44	MP4B	Z	-3.35	.25
45	MP4B	Mx	.003	.25
46	MP4B	X	5.803	5.25
47	MP4B	Z	-3.35	5.25
48	MP4B	Mx	.003	5.25
49	MP1C	X	7.734	.25
50	MP1C	Z	-4.465	.25
51	MP1C	Mx	0	.25
52	MP1C	X	7.734	5.25
53	MP1C	Z	-4.465	5.25
54	MP1C	Mx	0	5.25
55	MP3A	X	5.764	.25
56	MP3A	Z	-3.328	.25
57	MP3A	Mx	-.003	.25
58	MP3A	X	5.764	5.25
59	MP3A	Z	-3.328	5.25
60	MP3A	Mx	-.003	5.25
61	M101	X	5.698	1
62	M101	Z	-3.29	1
63	M101	Mx	0	1
64	MP1B	X	1.905	1.25
65	MP1B	Z	-1.1	1.25
66	MP1B	Mx	.000953	1.25
67	MP1B	X	1.905	2.75
68	MP1B	Z	-1.1	2.75
69	MP1B	Mx	.000953	2.75
70	MP2C	X	3.748	2
71	MP2C	Z	-2.164	2
72	MP2C	Mx	0	2
73	MP2C	X	3.748	3.5
74	MP2C	Z	-2.164	3.5
75	MP2C	Mx	0	3.5
76	MP4A	X	1.905	.5
77	MP4A	Z	-1.1	.5
78	MP4A	Mx	-.000952	.5
79	MP4A	X	1.905	2
80	MP4A	Z	-1.1	2
81	MP4A	Mx	-.000952	2
82	MP1A	X	2.232	2.25
83	MP1A	Z	-1.289	2.25
84	MP1A	Mx	.001	2.25
85	MP2B	X	2.232	3
86	MP2B	Z	-1.289	3
87	MP2B	Mx	-.001	3
88	MP3C	X	2.964	3
89	MP3C	Z	-1.711	3
90	MP3C	Mx	0	3
91	MP2A	X	1.96	3
92	MP2A	Z	-1.132	3
93	MP2A	Mx	.00098	3
94	MP3B	X	1.96	3
95	MP3B	Z	-1.132	3
96	MP3B	Mx	-.00098	3
97	MP4C	X	2.964	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
98	MP4C	Z	-1.711	1.5
99	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	6.999	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP2A	X	.643	5
5	MP2A	Z	0	5
6	MP2A	Mx	.000322	5
7	MP1A	X	6.348	.25
8	MP1A	Z	0	.25
9	MP1A	Mx	-.003	.25
10	MP1A	X	6.348	5.25
11	MP1A	Z	0	5.25
12	MP1A	Mx	-.003	5.25
13	MP2A	X	6.348	.25
14	MP2A	Z	0	.25
15	MP2A	Mx	-.003	.25
16	MP2A	X	6.348	5.25
17	MP2A	Z	0	5.25
18	MP2A	Mx	-.003	5.25
19	MP2B	X	11.746	.25
20	MP2B	Z	0	.25
21	MP2B	Mx	.003	.25
22	MP2B	X	11.746	5.25
23	MP2B	Z	0	5.25
24	MP2B	Mx	.003	5.25
25	MP3B	X	11.746	.25
26	MP3B	Z	0	.25
27	MP3B	Mx	.003	.25
28	MP3B	X	11.746	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	.003	5.25
31	MP3C	X	11.746	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	.003	.25
34	MP3C	X	11.746	5.25
35	MP3C	Z	0	5.25
36	MP3C	Mx	.003	5.25
37	MP4C	X	11.746	.25
38	MP4C	Z	0	.25
39	MP4C	Mx	.003	.25
40	MP4C	X	11.746	5.25
41	MP4C	Z	0	5.25
42	MP4C	Mx	.003	5.25
43	MP4B	X	8.526	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	.002	.25
46	MP4B	X	8.526	5.25
47	MP4B	Z	0	5.25
48	MP4B	Mx	.002	5.25
49	MP1C	X	8.172	.25
50	MP1C	Z	0	.25
51	MP1C	Mx	.002	.25
52	MP1C	X	8.172	5.25
53	MP1C	Z	0	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
54	MP1C	Mx	.002	5.25
55	MP3A	X	5.897	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	-.003	.25
58	MP3A	X	5.897	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	-.003	5.25
61	M101	X	6.999	1
62	M101	Z	0	1
63	M101	Mx	0	1
64	MP1B	X	3.618	1.25
65	MP1B	Z	0	1.25
66	MP1B	Mx	.000904	1.25
67	MP1B	X	3.618	2.75
68	MP1B	Z	0	2.75
69	MP1B	Mx	.000904	2.75
70	MP2C	X	3.618	2
71	MP2C	Z	0	2
72	MP2C	Mx	.000904	2
73	MP2C	X	3.618	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	.000904	3.5
76	MP4A	X	1.49	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	-.000745	.5
79	MP4A	X	1.49	2
80	MP4A	Z	0	2
81	MP4A	Mx	-.000745	2
82	MP1A	X	2.296	2.25
83	MP1A	Z	0	2.25
84	MP1A	Mx	.001	2.25
85	MP2B	X	3.141	3
86	MP2B	Z	0	3
87	MP2B	Mx	-.000785	3
88	MP3C	X	3.141	3
89	MP3C	Z	0	3
90	MP3C	Mx	-.000785	3
91	MP2A	X	1.877	3
92	MP2A	Z	0	3
93	MP2A	Mx	.000938	3
94	MP3B	X	3.036	3
95	MP3B	Z	0	3
96	MP3B	Mx	-.000759	3
97	MP4C	X	3.036	1.5
98	MP4C	Z	0	1.5
99	MP4C	Mx	-.000759	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	5.698	1
2	M103	Z	3.29	1
3	M103	Mx	0	1
4	MP2A	X	.876	5
5	MP2A	Z	.506	5
6	MP2A	Mx	.000438	5
7	MP1A	X	7.055	.25
8	MP1A	Z	4.073	.25
9	MP1A	Mx	-.004	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
10	MP1A	X	7.055	5.25
11	MP1A	Z	4.073	5.25
12	MP1A	Mx	-.004	5.25
13	MP2A	X	7.055	.25
14	MP2A	Z	4.073	.25
15	MP2A	Mx	-.004	.25
16	MP2A	X	7.055	5.25
17	MP2A	Z	4.073	5.25
18	MP2A	Mx	-.004	5.25
19	MP2B	X	11.73	.25
20	MP2B	Z	6.773	.25
21	MP2B	Mx	0	.25
22	MP2B	X	11.73	5.25
23	MP2B	Z	6.773	5.25
24	MP2B	Mx	0	5.25
25	MP3B	X	11.73	.25
26	MP3B	Z	6.773	.25
27	MP3B	Mx	0	.25
28	MP3B	X	11.73	5.25
29	MP3B	Z	6.773	5.25
30	MP3B	Mx	0	5.25
31	MP3C	X	7.055	.25
32	MP3C	Z	4.073	.25
33	MP3C	Mx	.004	.25
34	MP3C	X	7.055	5.25
35	MP3C	Z	4.073	5.25
36	MP3C	Mx	.004	5.25
37	MP4C	X	7.055	.25
38	MP4C	Z	4.073	.25
39	MP4C	Mx	.004	.25
40	MP4C	X	7.055	5.25
41	MP4C	Z	4.073	5.25
42	MP4C	Mx	.004	5.25
43	MP4B	X	8.174	.25
44	MP4B	Z	4.719	.25
45	MP4B	Mx	0	.25
46	MP4B	X	8.174	5.25
47	MP4B	Z	4.719	5.25
48	MP4B	Mx	0	5.25
49	MP1C	X	5.764	.25
50	MP1C	Z	3.328	.25
51	MP1C	Mx	.003	.25
52	MP1C	X	5.764	5.25
53	MP1C	Z	3.328	5.25
54	MP1C	Mx	.003	5.25
55	MP3A	X	5.764	.25
56	MP3A	Z	3.328	.25
57	MP3A	Mx	-.003	.25
58	MP3A	X	5.764	5.25
59	MP3A	Z	3.328	5.25
60	MP3A	Mx	-.003	5.25
61	M101	X	5.698	1
62	M101	Z	3.29	1
63	M101	Mx	0	1
64	MP1B	X	3.748	1.25
65	MP1B	Z	2.164	1.25
66	MP1B	Mx	0	1.25
67	MP1B	X	3.748	2.75
68	MP1B	Z	2.164	2.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
69	MP1B	Mx	0	2.75
70	MP2C	X	1.905	2
71	MP2C	Z	1.1	2
72	MP2C	Mx	.000953	2
73	MP2C	X	1.905	3.5
74	MP2C	Z	1.1	3.5
75	MP2C	Mx	.000953	3.5
76	MP4A	X	1.905	.5
77	MP4A	Z	1.1	.5
78	MP4A	Mx	-.000952	.5
79	MP4A	X	1.905	2
80	MP4A	Z	1.1	2
81	MP4A	Mx	-.000952	2
82	MP1A	X	2.232	2.25
83	MP1A	Z	1.289	2.25
84	MP1A	Mx	.001	2.25
85	MP2B	X	2.964	3
86	MP2B	Z	1.711	3
87	MP2B	Mx	0	3
88	MP3C	X	2.232	3
89	MP3C	Z	1.289	3
90	MP3C	Mx	-.001	3
91	MP2A	X	1.96	3
92	MP2A	Z	1.132	3
93	MP2A	Mx	.00098	3
94	MP3B	X	2.964	3
95	MP3B	Z	1.711	3
96	MP3B	Mx	0	3
97	MP4C	X	1.96	1.5
98	MP4C	Z	1.132	1.5
99	MP4C	Mx	-.00098	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	2.87	1
2	M103	Z	4.971	1
3	M103	Mx	0	1
4	MP2A	X	.875	5
5	MP2A	Z	1.516	5
6	MP2A	Mx	.000438	5
7	MP1A	X	5.873	.25
8	MP1A	Z	10.172	.25
9	MP1A	Mx	-.003	.25
10	MP1A	X	5.873	5.25
11	MP1A	Z	10.172	5.25
12	MP1A	Mx	-.003	5.25
13	MP2A	X	5.873	.25
14	MP2A	Z	10.172	.25
15	MP2A	Mx	-.003	.25
16	MP2A	X	5.873	5.25
17	MP2A	Z	10.172	5.25
18	MP2A	Mx	-.003	5.25
19	MP2B	X	5.873	.25
20	MP2B	Z	10.172	.25
21	MP2B	Mx	-.003	.25
22	MP2B	X	5.873	5.25
23	MP2B	Z	10.172	5.25
24	MP2B	Mx	-.003	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
25	MP3B	X	5.873	.25
26	MP3B	Z	10.172	.25
27	MP3B	Mx	-.003	.25
28	MP3B	X	5.873	5.25
29	MP3B	Z	10.172	5.25
30	MP3B	Mx	-.003	5.25
31	MP3C	X	3.174	.25
32	MP3C	Z	5.497	.25
33	MP3C	Mx	.003	.25
34	MP3C	X	3.174	5.25
35	MP3C	Z	5.497	5.25
36	MP3C	Mx	.003	5.25
37	MP4C	X	3.174	.25
38	MP4C	Z	5.497	.25
39	MP4C	Mx	.003	.25
40	MP4C	X	3.174	5.25
41	MP4C	Z	5.497	5.25
42	MP4C	Mx	.003	5.25
43	MP4B	X	4.263	.25
44	MP4B	Z	7.384	.25
45	MP4B	Mx	-.002	.25
46	MP4B	X	4.263	5.25
47	MP4B	Z	7.384	5.25
48	MP4B	Mx	-.002	5.25
49	MP1C	X	2.948	.25
50	MP1C	Z	5.107	.25
51	MP1C	Mx	.003	.25
52	MP1C	X	2.948	5.25
53	MP1C	Z	5.107	5.25
54	MP1C	Mx	.003	5.25
55	MP3A	X	4.086	.25
56	MP3A	Z	7.077	.25
57	MP3A	Mx	-.002	.25
58	MP3A	X	4.086	5.25
59	MP3A	Z	7.077	5.25
60	MP3A	Mx	-.002	5.25
61	M101	X	2.87	1
62	M101	Z	4.971	1
63	M101	Mx	0	1
64	MP1B	X	1.809	1.25
65	MP1B	Z	3.133	1.25
66	MP1B	Mx	-.000904	1.25
67	MP1B	X	1.809	2.75
68	MP1B	Z	3.133	2.75
69	MP1B	Mx	-.000904	2.75
70	MP2C	X	.745	2
71	MP2C	Z	1.291	2
72	MP2C	Mx	.000745	2
73	MP2C	X	.745	3.5
74	MP2C	Z	1.291	3.5
75	MP2C	Mx	.000745	3.5
76	MP4A	X	1.809	.5
77	MP4A	Z	3.133	.5
78	MP4A	Mx	-.000904	.5
79	MP4A	X	1.809	2
80	MP4A	Z	3.133	2
81	MP4A	Mx	-.000904	2
82	MP1A	X	1.57	2.25
83	MP1A	Z	2.72	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
84	MP1A	Mx	.000785	2.25
85	MP2B	X	1.57	3
86	MP2B	Z	2.72	3
87	MP2B	Mx	.000785	3
88	MP3C	X	1.148	3
89	MP3C	Z	1.989	3
90	MP3C	Mx	-.001	3
91	MP2A	X	1.518	3
92	MP2A	Z	2.629	3
93	MP2A	Mx	.000759	3
94	MP3B	X	1.518	3
95	MP3B	Z	2.629	3
96	MP3B	Mx	.000759	3
97	MP4C	X	.938	1.5
98	MP4C	Z	1.625	1.5
99	MP4C	Mx	-.000938	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	0	1
2	M103	Z	5.321	1
3	M103	Mx	0	1
4	MP2A	X	0	5
5	MP2A	Z	2.12	5
6	MP2A	Mx	0	5
7	MP1A	X	0	.25
8	MP1A	Z	13.545	.25
9	MP1A	Mx	0	.25
10	MP1A	X	0	5.25
11	MP1A	Z	13.545	5.25
12	MP1A	Mx	0	5.25
13	MP2A	X	0	.25
14	MP2A	Z	13.545	.25
15	MP2A	Mx	0	.25
16	MP2A	X	0	5.25
17	MP2A	Z	13.545	5.25
18	MP2A	Mx	0	5.25
19	MP2B	X	0	.25
20	MP2B	Z	8.147	.25
21	MP2B	Mx	-.004	.25
22	MP2B	X	0	5.25
23	MP2B	Z	8.147	5.25
24	MP2B	Mx	-.004	5.25
25	MP3B	X	0	.25
26	MP3B	Z	8.147	.25
27	MP3B	Mx	-.004	.25
28	MP3B	X	0	5.25
29	MP3B	Z	8.147	5.25
30	MP3B	Mx	-.004	5.25
31	MP3C	X	0	.25
32	MP3C	Z	8.147	.25
33	MP3C	Mx	.004	.25
34	MP3C	X	0	5.25
35	MP3C	Z	8.147	5.25
36	MP3C	Mx	.004	5.25
37	MP4C	X	0	.25
38	MP4C	Z	8.147	.25
39	MP4C	Mx	.004	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
40	MP4C	X	0	5.25
41	MP4C	Z	8.147	5.25
42	MP4C	Mx	.004	5.25
43	MP4B	X	0	.25
44	MP4B	Z	6.701	.25
45	MP4B	Mx	-.003	.25
46	MP4B	X	0	5.25
47	MP4B	Z	6.701	5.25
48	MP4B	Mx	-.003	5.25
49	MP1C	X	0	.25
50	MP1C	Z	6.655	.25
51	MP1C	Mx	.003	.25
52	MP1C	X	0	5.25
53	MP1C	Z	6.655	5.25
54	MP1C	Mx	.003	5.25
55	MP3A	X	0	.25
56	MP3A	Z	8.931	.25
57	MP3A	Mx	0	.25
58	MP3A	X	0	5.25
59	MP3A	Z	8.931	5.25
60	MP3A	Mx	0	5.25
61	M101	X	0	1
62	M101	Z	5.321	1
63	M101	Mx	0	1
64	MP1B	X	0	1.25
65	MP1B	Z	2.2	1.25
66	MP1B	Mx	-.000953	1.25
67	MP1B	X	0	2.75
68	MP1B	Z	2.2	2.75
69	MP1B	Mx	-.000953	2.75
70	MP2C	X	0	2
71	MP2C	Z	2.2	2
72	MP2C	Mx	.000953	2
73	MP2C	X	0	3.5
74	MP2C	Z	2.2	3.5
75	MP2C	Mx	.000953	3.5
76	MP4A	X	0	.5
77	MP4A	Z	4.327	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	2
80	MP4A	Z	4.327	2
81	MP4A	Mx	0	2
82	MP1A	X	0	2.25
83	MP1A	Z	3.422	2.25
84	MP1A	Mx	0	2.25
85	MP2B	X	0	3
86	MP2B	Z	2.578	3
87	MP2B	Mx	.001	3
88	MP3C	X	0	3
89	MP3C	Z	2.578	3
90	MP3C	Mx	-.001	3
91	MP2A	X	0	3
92	MP2A	Z	3.422	3
93	MP2A	Mx	0	3
94	MP3B	X	0	3
95	MP3B	Z	2.263	3
96	MP3B	Mx	.00098	3
97	MP4C	X	0	1.5
98	MP4C	Z	2.263	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
99	MP4C	Mx	-0.0098	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-2.87	1
2	M103	Z	4.971	1
3	M103	Mx	0	1
4	MP2A	X	-0.875	5
5	MP2A	Z	1.516	5
6	MP2A	Mx	-0.000438	5
7	MP1A	X	-5.873	.25
8	MP1A	Z	10.172	.25
9	MP1A	Mx	.003	.25
10	MP1A	X	-5.873	5.25
11	MP1A	Z	10.172	5.25
12	MP1A	Mx	.003	5.25
13	MP2A	X	-5.873	.25
14	MP2A	Z	10.172	.25
15	MP2A	Mx	.003	.25
16	MP2A	X	-5.873	5.25
17	MP2A	Z	10.172	5.25
18	MP2A	Mx	.003	5.25
19	MP2B	X	-3.174	.25
20	MP2B	Z	5.497	.25
21	MP2B	Mx	-.003	.25
22	MP2B	X	-3.174	5.25
23	MP2B	Z	5.497	5.25
24	MP2B	Mx	-.003	5.25
25	MP3B	X	-3.174	.25
26	MP3B	Z	5.497	.25
27	MP3B	Mx	-.003	.25
28	MP3B	X	-3.174	5.25
29	MP3B	Z	5.497	5.25
30	MP3B	Mx	-.003	5.25
31	MP3C	X	-5.873	.25
32	MP3C	Z	10.172	.25
33	MP3C	Mx	.003	.25
34	MP3C	X	-5.873	5.25
35	MP3C	Z	10.172	5.25
36	MP3C	Mx	.003	5.25
37	MP4C	X	-5.873	.25
38	MP4C	Z	10.172	.25
39	MP4C	Mx	.003	.25
40	MP4C	X	-5.873	5.25
41	MP4C	Z	10.172	5.25
42	MP4C	Mx	.003	5.25
43	MP4B	X	-2.894	.25
44	MP4B	Z	5.012	.25
45	MP4B	Mx	-.003	.25
46	MP4B	X	-2.894	5.25
47	MP4B	Z	5.012	5.25
48	MP4B	Mx	-.003	5.25
49	MP1C	X	-4.086	.25
50	MP1C	Z	7.077	.25
51	MP1C	Mx	.002	.25
52	MP1C	X	-4.086	5.25
53	MP1C	Z	7.077	5.25
54	MP1C	Mx	.002	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
55	MP3A	X	-4.086	.25
56	MP3A	Z	7.077	.25
57	MP3A	Mx	.002	.25
58	MP3A	X	-4.086	5.25
59	MP3A	Z	7.077	5.25
60	MP3A	Mx	.002	5.25
61	M101	X	-2.87	1
62	M101	Z	4.971	1
63	M101	Mx	0	1
64	MP1B	X	-.745	1.25
65	MP1B	Z	1.291	1.25
66	MP1B	Mx	-.000745	1.25
67	MP1B	X	-.745	2.75
68	MP1B	Z	1.291	2.75
69	MP1B	Mx	-.000745	2.75
70	MP2C	X	-1.809	2
71	MP2C	Z	3.133	2
72	MP2C	Mx	.000904	2
73	MP2C	X	-1.809	3.5
74	MP2C	Z	3.133	3.5
75	MP2C	Mx	.000904	3.5
76	MP4A	X	-1.809	.5
77	MP4A	Z	3.133	.5
78	MP4A	Mx	.000904	.5
79	MP4A	X	-1.809	2
80	MP4A	Z	3.133	2
81	MP4A	Mx	.000904	2
82	MP1A	X	-1.57	2.25
83	MP1A	Z	2.72	2.25
84	MP1A	Mx	-.000785	2.25
85	MP2B	X	-1.148	3
86	MP2B	Z	1.989	3
87	MP2B	Mx	.001	3
88	MP3C	X	-1.57	3
89	MP3C	Z	2.72	3
90	MP3C	Mx	-.000785	3
91	MP2A	X	-1.518	3
92	MP2A	Z	2.629	3
93	MP2A	Mx	-.000759	3
94	MP3B	X	-.938	3
95	MP3B	Z	1.625	3
96	MP3B	Mx	.000938	3
97	MP4C	X	-1.518	1.5
98	MP4C	Z	2.629	1.5
99	MP4C	Mx	-.000759	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-5.698	1
2	M103	Z	3.29	1
3	M103	Mx	0	1
4	MP2A	X	-.876	5
5	MP2A	Z	.506	5
6	MP2A	Mx	-.000438	5
7	MP1A	X	-7.055	.25
8	MP1A	Z	4.073	.25
9	MP1A	Mx	.004	.25
10	MP1A	X	-7.055	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
11	MP1A	Z	4.073	5.25
12	MP1A	Mx	.004	5.25
13	MP2A	X	-7.055	.25
14	MP2A	Z	4.073	.25
15	MP2A	Mx	.004	.25
16	MP2A	X	-7.055	5.25
17	MP2A	Z	4.073	5.25
18	MP2A	Mx	.004	5.25
19	MP2B	X	-7.055	.25
20	MP2B	Z	4.073	.25
21	MP2B	Mx	-.004	.25
22	MP2B	X	-7.055	5.25
23	MP2B	Z	4.073	5.25
24	MP2B	Mx	-.004	5.25
25	MP3B	X	-7.055	.25
26	MP3B	Z	4.073	.25
27	MP3B	Mx	-.004	.25
28	MP3B	X	-7.055	5.25
29	MP3B	Z	4.073	5.25
30	MP3B	Mx	-.004	5.25
31	MP3C	X	-11.73	.25
32	MP3C	Z	6.773	.25
33	MP3C	Mx	0	.25
34	MP3C	X	-11.73	5.25
35	MP3C	Z	6.773	5.25
36	MP3C	Mx	0	5.25
37	MP4C	X	-11.73	.25
38	MP4C	Z	6.773	.25
39	MP4C	Mx	0	.25
40	MP4C	X	-11.73	5.25
41	MP4C	Z	6.773	5.25
42	MP4C	Mx	0	5.25
43	MP4B	X	-5.803	.25
44	MP4B	Z	3.35	.25
45	MP4B	Mx	-.003	.25
46	MP4B	X	-5.803	5.25
47	MP4B	Z	3.35	5.25
48	MP4B	Mx	-.003	5.25
49	MP1C	X	-7.734	.25
50	MP1C	Z	4.465	.25
51	MP1C	Mx	0	.25
52	MP1C	X	-7.734	5.25
53	MP1C	Z	4.465	5.25
54	MP1C	Mx	0	5.25
55	MP3A	X	-5.764	.25
56	MP3A	Z	3.328	.25
57	MP3A	Mx	.003	.25
58	MP3A	X	-5.764	5.25
59	MP3A	Z	3.328	5.25
60	MP3A	Mx	.003	5.25
61	M101	X	-5.698	1
62	M101	Z	3.29	1
63	M101	Mx	0	1
64	MP1B	X	-1.905	1.25
65	MP1B	Z	1.1	1.25
66	MP1B	Mx	-.000953	1.25
67	MP1B	X	-1.905	2.75
68	MP1B	Z	1.1	2.75
69	MP1B	Mx	-.000953	2.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
70	MP2C	X	-3.748	2
71	MP2C	Z	2.164	2
72	MP2C	Mx	0	2
73	MP2C	X	-3.748	3.5
74	MP2C	Z	2.164	3.5
75	MP2C	Mx	0	3.5
76	MP4A	X	-1.905	.5
77	MP4A	Z	1.1	.5
78	MP4A	Mx	.000952	.5
79	MP4A	X	-1.905	2
80	MP4A	Z	1.1	2
81	MP4A	Mx	.000952	2
82	MP1A	X	-2.232	2.25
83	MP1A	Z	1.289	2.25
84	MP1A	Mx	-.001	2.25
85	MP2B	X	-2.232	3
86	MP2B	Z	1.289	3
87	MP2B	Mx	.001	3
88	MP3C	X	-2.964	3
89	MP3C	Z	1.711	3
90	MP3C	Mx	0	3
91	MP2A	X	-1.96	3
92	MP2A	Z	1.132	3
93	MP2A	Mx	-.00098	3
94	MP3B	X	-1.96	3
95	MP3B	Z	1.132	3
96	MP3B	Mx	.00098	3
97	MP4C	X	-2.964	1.5
98	MP4C	Z	1.711	1.5
99	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-6.999	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP2A	X	-.643	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.000322	5
7	MP1A	X	-6.348	.25
8	MP1A	Z	0	.25
9	MP1A	Mx	.003	.25
10	MP1A	X	-6.348	5.25
11	MP1A	Z	0	5.25
12	MP1A	Mx	.003	5.25
13	MP2A	X	-6.348	.25
14	MP2A	Z	0	.25
15	MP2A	Mx	.003	.25
16	MP2A	X	-6.348	5.25
17	MP2A	Z	0	5.25
18	MP2A	Mx	.003	5.25
19	MP2B	X	-11.746	.25
20	MP2B	Z	0	.25
21	MP2B	Mx	-.003	.25
22	MP2B	X	-11.746	5.25
23	MP2B	Z	0	5.25
24	MP2B	Mx	-.003	5.25
25	MP3B	X	-11.746	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
26	MP3B	Z	0	.25
27	MP3B	Mx	-.003	.25
28	MP3B	X	-11.746	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	-.003	5.25
31	MP3C	X	-11.746	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	-.003	.25
34	MP3C	X	-11.746	5.25
35	MP3C	Z	0	5.25
36	MP3C	Mx	-.003	5.25
37	MP4C	X	-11.746	.25
38	MP4C	Z	0	.25
39	MP4C	Mx	-.003	.25
40	MP4C	X	-11.746	5.25
41	MP4C	Z	0	5.25
42	MP4C	Mx	-.003	5.25
43	MP4B	X	-8.526	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	-.002	.25
46	MP4B	X	-8.526	5.25
47	MP4B	Z	0	5.25
48	MP4B	Mx	-.002	5.25
49	MP1C	X	-8.172	.25
50	MP1C	Z	0	.25
51	MP1C	Mx	-.002	.25
52	MP1C	X	-8.172	5.25
53	MP1C	Z	0	5.25
54	MP1C	Mx	-.002	5.25
55	MP3A	X	-5.897	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	.003	.25
58	MP3A	X	-5.897	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	.003	5.25
61	M101	X	-6.999	1
62	M101	Z	0	1
63	M101	Mx	0	1
64	MP1B	X	-3.618	1.25
65	MP1B	Z	0	1.25
66	MP1B	Mx	-.000904	1.25
67	MP1B	X	-3.618	2.75
68	MP1B	Z	0	2.75
69	MP1B	Mx	-.000904	2.75
70	MP2C	X	-3.618	2
71	MP2C	Z	0	2
72	MP2C	Mx	-.000904	2
73	MP2C	X	-3.618	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	-.000904	3.5
76	MP4A	X	-1.49	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	.000745	.5
79	MP4A	X	-1.49	2
80	MP4A	Z	0	2
81	MP4A	Mx	.000745	2
82	MP1A	X	-2.296	2.25
83	MP1A	Z	0	2.25
84	MP1A	Mx	-.001	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
85	MP2B	X	-3.141	3
86	MP2B	Z	0	3
87	MP2B	Mx	.000785	3
88	MP3C	X	-3.141	3
89	MP3C	Z	0	3
90	MP3C	Mx	.000785	3
91	MP2A	X	-1.877	3
92	MP2A	Z	0	3
93	MP2A	Mx	-.000938	3
94	MP3B	X	-3.036	3
95	MP3B	Z	0	3
96	MP3B	Mx	.000759	3
97	MP4C	X	-3.036	1.5
98	MP4C	Z	0	1.5
99	MP4C	Mx	.000759	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-5.698	1
2	M103	Z	-3.29	1
3	M103	Mx	0	1
4	MP2A	X	-.876	5
5	MP2A	Z	-.506	5
6	MP2A	Mx	-.000438	5
7	MP1A	X	-7.055	.25
8	MP1A	Z	-4.073	.25
9	MP1A	Mx	.004	.25
10	MP1A	X	-7.055	5.25
11	MP1A	Z	-4.073	5.25
12	MP1A	Mx	.004	5.25
13	MP2A	X	-7.055	.25
14	MP2A	Z	-4.073	.25
15	MP2A	Mx	.004	.25
16	MP2A	X	-7.055	5.25
17	MP2A	Z	-4.073	5.25
18	MP2A	Mx	.004	5.25
19	MP2B	X	-11.73	.25
20	MP2B	Z	-6.773	.25
21	MP2B	Mx	0	.25
22	MP2B	X	-11.73	5.25
23	MP2B	Z	-6.773	5.25
24	MP2B	Mx	0	5.25
25	MP3B	X	-11.73	.25
26	MP3B	Z	-6.773	.25
27	MP3B	Mx	0	.25
28	MP3B	X	-11.73	5.25
29	MP3B	Z	-6.773	5.25
30	MP3B	Mx	0	5.25
31	MP3C	X	-7.055	.25
32	MP3C	Z	-4.073	.25
33	MP3C	Mx	-.004	.25
34	MP3C	X	-7.055	5.25
35	MP3C	Z	-4.073	5.25
36	MP3C	Mx	-.004	5.25
37	MP4C	X	-7.055	.25
38	MP4C	Z	-4.073	.25
39	MP4C	Mx	-.004	.25
40	MP4C	X	-7.055	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
41	MP4C	Z	-4.073	5.25
42	MP4C	Mx	-.004	5.25
43	MP4B	X	-8.174	.25
44	MP4B	Z	-4.719	.25
45	MP4B	Mx	0	.25
46	MP4B	X	-8.174	5.25
47	MP4B	Z	-4.719	5.25
48	MP4B	Mx	0	5.25
49	MP1C	X	-5.764	.25
50	MP1C	Z	-3.328	.25
51	MP1C	Mx	-.003	.25
52	MP1C	X	-5.764	5.25
53	MP1C	Z	-3.328	5.25
54	MP1C	Mx	-.003	5.25
55	MP3A	X	-5.764	.25
56	MP3A	Z	-3.328	.25
57	MP3A	Mx	.003	.25
58	MP3A	X	-5.764	5.25
59	MP3A	Z	-3.328	5.25
60	MP3A	Mx	.003	5.25
61	M101	X	-5.698	1
62	M101	Z	-3.29	1
63	M101	Mx	0	1
64	MP1B	X	-3.748	1.25
65	MP1B	Z	-2.164	1.25
66	MP1B	Mx	0	1.25
67	MP1B	X	-3.748	2.75
68	MP1B	Z	-2.164	2.75
69	MP1B	Mx	0	2.75
70	MP2C	X	-1.905	2
71	MP2C	Z	-1.1	2
72	MP2C	Mx	-.000953	2
73	MP2C	X	-1.905	3.5
74	MP2C	Z	-1.1	3.5
75	MP2C	Mx	-.000953	3.5
76	MP4A	X	-1.905	.5
77	MP4A	Z	-1.1	.5
78	MP4A	Mx	.000952	.5
79	MP4A	X	-1.905	2
80	MP4A	Z	-1.1	2
81	MP4A	Mx	.000952	2
82	MP1A	X	-2.232	2.25
83	MP1A	Z	-1.289	2.25
84	MP1A	Mx	-.001	2.25
85	MP2B	X	-2.964	3
86	MP2B	Z	-1.711	3
87	MP2B	Mx	0	3
88	MP3C	X	-2.232	3
89	MP3C	Z	-1.289	3
90	MP3C	Mx	.001	3
91	MP2A	X	-1.96	3
92	MP2A	Z	-1.132	3
93	MP2A	Mx	-.00098	3
94	MP3B	X	-2.964	3
95	MP3B	Z	-1.711	3
96	MP3B	Mx	0	3
97	MP4C	X	-1.96	1.5
98	MP4C	Z	-1.132	1.5
99	MP4C	Mx	.00098	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-2.87	1
2	M103	Z	-4.971	1
3	M103	Mx	0	1
4	MP2A	X	-.875	5
5	MP2A	Z	-1.516	5
6	MP2A	Mx	-.000438	5
7	MP1A	X	-5.873	.25
8	MP1A	Z	-10.172	.25
9	MP1A	Mx	.003	.25
10	MP1A	X	-5.873	5.25
11	MP1A	Z	-10.172	5.25
12	MP1A	Mx	.003	5.25
13	MP2A	X	-5.873	.25
14	MP2A	Z	-10.172	.25
15	MP2A	Mx	.003	.25
16	MP2A	X	-5.873	5.25
17	MP2A	Z	-10.172	5.25
18	MP2A	Mx	.003	5.25
19	MP2B	X	-5.873	.25
20	MP2B	Z	-10.172	.25
21	MP2B	Mx	.003	.25
22	MP2B	X	-5.873	5.25
23	MP2B	Z	-10.172	5.25
24	MP2B	Mx	.003	5.25
25	MP3B	X	-5.873	.25
26	MP3B	Z	-10.172	.25
27	MP3B	Mx	.003	.25
28	MP3B	X	-5.873	5.25
29	MP3B	Z	-10.172	5.25
30	MP3B	Mx	.003	5.25
31	MP3C	X	-3.174	.25
32	MP3C	Z	-5.497	.25
33	MP3C	Mx	-.003	.25
34	MP3C	X	-3.174	5.25
35	MP3C	Z	-5.497	5.25
36	MP3C	Mx	-.003	5.25
37	MP4C	X	-3.174	.25
38	MP4C	Z	-5.497	.25
39	MP4C	Mx	-.003	.25
40	MP4C	X	-3.174	5.25
41	MP4C	Z	-5.497	5.25
42	MP4C	Mx	-.003	5.25
43	MP4B	X	-4.263	.25
44	MP4B	Z	-7.384	.25
45	MP4B	Mx	.002	.25
46	MP4B	X	-4.263	5.25
47	MP4B	Z	-7.384	5.25
48	MP4B	Mx	.002	5.25
49	MP1C	X	-2.948	.25
50	MP1C	Z	-5.107	.25
51	MP1C	Mx	-.003	.25
52	MP1C	X	-2.948	5.25
53	MP1C	Z	-5.107	5.25
54	MP1C	Mx	-.003	5.25
55	MP3A	X	-4.086	.25
56	MP3A	Z	-7.077	.25
57	MP3A	Mx	.002	.25
58	MP3A	X	-4.086	5.25
59	MP3A	Z	-7.077	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
60	MP3A	Mx	.002	5.25
61	M101	X	-2.87	1
62	M101	Z	-4.971	1
63	M101	Mx	0	1
64	MP1B	X	-1.809	1.25
65	MP1B	Z	-3.133	1.25
66	MP1B	Mx	.000904	1.25
67	MP1B	X	-1.809	2.75
68	MP1B	Z	-3.133	2.75
69	MP1B	Mx	.000904	2.75
70	MP2C	X	-.745	2
71	MP2C	Z	-1.291	2
72	MP2C	Mx	-.000745	2
73	MP2C	X	-.745	3.5
74	MP2C	Z	-1.291	3.5
75	MP2C	Mx	-.000745	3.5
76	MP4A	X	-1.809	.5
77	MP4A	Z	-3.133	.5
78	MP4A	Mx	.000904	.5
79	MP4A	X	-1.809	2
80	MP4A	Z	-3.133	2
81	MP4A	Mx	.000904	2
82	MP1A	X	-1.57	2.25
83	MP1A	Z	-2.72	2.25
84	MP1A	Mx	-.000785	2.25
85	MP2B	X	-1.57	3
86	MP2B	Z	-2.72	3
87	MP2B	Mx	-.000785	3
88	MP3C	X	-1.148	3
89	MP3C	Z	-1.989	3
90	MP3C	Mx	.001	3
91	MP2A	X	-1.518	3
92	MP2A	Z	-2.629	3
93	MP2A	Mx	-.000759	3
94	MP3B	X	-1.518	3
95	MP3B	Z	-2.629	3
96	MP3B	Mx	-.000759	3
97	MP4C	X	-.938	1.5
98	MP4C	Z	-1.625	1.5
99	MP4C	Mx	.000938	1.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M73	Y	-500	%78

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M73	Y	-500	%44

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M73	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M73	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	Y	-1.359	1
2	M103	My	0	1
3	M103	Mz	0	1
4	MP2A	Y	-.747	5
5	MP2A	My	.000374	5
6	MP2A	Mz	0	5
7	MP1A	Y	-1.643	.25
8	MP1A	My	-.000821	.25
9	MP1A	Mz	0	.25
10	MP1A	Y	-1.643	5.25
11	MP1A	My	-.000821	5.25
12	MP1A	Mz	0	5.25
13	MP2A	Y	-1.643	.25
14	MP2A	My	-.000821	.25
15	MP2A	Mz	0	.25
16	MP2A	Y	-1.643	5.25
17	MP2A	My	-.000821	5.25
18	MP2A	Mz	0	5.25
19	MP2B	Y	-1.643	.25
20	MP2B	My	.000411	.25
21	MP2B	Mz	-.000711	.25
22	MP2B	Y	-1.643	5.25
23	MP2B	My	.000411	5.25
24	MP2B	Mz	-.000711	5.25
25	MP3B	Y	-1.643	.25
26	MP3B	My	.000411	.25
27	MP3B	Mz	-.000711	.25
28	MP3B	Y	-1.643	5.25
29	MP3B	My	.000411	5.25
30	MP3B	Mz	-.000711	5.25
31	MP3C	Y	-1.643	.25
32	MP3C	My	.000411	.25
33	MP3C	Mz	.000711	.25
34	MP3C	Y	-1.643	5.25
35	MP3C	My	.000411	5.25
36	MP3C	Mz	.000711	5.25
37	MP4C	Y	-1.643	.25
38	MP4C	My	.000411	.25
39	MP4C	Mz	.000711	.25
40	MP4C	Y	-1.643	5.25
41	MP4C	My	.000411	5.25
42	MP4C	Mz	.000711	5.25
43	MP4B	Y	-.864	.25
44	MP4B	My	.000216	.25
45	MP4B	Mz	-.000374	.25
46	MP4B	Y	-.864	5.25
47	MP4B	My	.000216	5.25
48	MP4B	Mz	-.000374	5.25
49	MP1C	Y	-.703	.25
50	MP1C	My	.000176	.25
51	MP1C	Mz	.000304	.25
52	MP1C	Y	-.703	5.25
53	MP1C	My	.000176	5.25
54	MP1C	Mz	.000304	5.25
55	MP3A	Y	-.703	.25
56	MP3A	My	-.000351	.25
57	MP3A	Mz	0	.25
58	MP3A	Y	-.703	5.25
59	MP3A	My	-.000351	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
60	MP3A	Mz	0	5.25
61	M101	Y	-1.359	1
62	M101	My	0	1
63	M101	Mz	0	1
64	MP1B	Y	-1.849	1.25
65	MP1B	My	.000462	1.25
66	MP1B	Mz	-.000801	1.25
67	MP1B	Y	-1.849	2.75
68	MP1B	My	.000462	2.75
69	MP1B	Mz	-.000801	2.75
70	MP2C	Y	-1.849	2
71	MP2C	My	.000462	2
72	MP2C	Mz	.000801	2
73	MP2C	Y	-1.849	3.5
74	MP2C	My	.000462	3.5
75	MP2C	Mz	.000801	3.5
76	MP4A	Y	-1.849	.5
77	MP4A	My	-.000924	.5
78	MP4A	Mz	0	.5
79	MP4A	Y	-1.849	2
80	MP4A	My	-.000924	2
81	MP4A	Mz	0	2
82	MP1A	Y	-3.583	2.25
83	MP1A	My	.002	2.25
84	MP1A	Mz	0	2.25
85	MP2B	Y	-3.583	3
86	MP2B	My	-.000896	3
87	MP2B	Mz	.002	3
88	MP3C	Y	-3.583	3
89	MP3C	My	-.000896	3
90	MP3C	Mz	-.002	3
91	MP2A	Y	-2.984	3
92	MP2A	My	.001	3
93	MP2A	Mz	0	3
94	MP3B	Y	-2.984	3
95	MP3B	My	-.000746	3
96	MP3B	Mz	.001	3
97	MP4C	Y	-2.984	1.5
98	MP4C	My	-.000746	1.5
99	MP4C	Mz	-.001	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	Z	-3.396	1
2	M103	Mx	0	1
3	MP2A	Z	-1.868	5
4	MP2A	Mx	0	5
5	MP1A	Z	-4.107	.25
6	MP1A	Mx	0	.25
7	MP1A	Z	-4.107	5.25
8	MP1A	Mx	0	5.25
9	MP2A	Z	-4.107	.25
10	MP2A	Mx	0	.25
11	MP2A	Z	-4.107	5.25
12	MP2A	Mx	0	5.25
13	MP2B	Z	-4.107	.25
14	MP2B	Mx	.002	.25
15	MP2B	Z	-4.107	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
16	MP2B	Mx	.002	5.25
17	MP3B	Z	-4.107	.25
18	MP3B	Mx	.002	.25
19	MP3B	Z	-4.107	5.25
20	MP3B	Mx	.002	5.25
21	MP3C	Z	-4.107	.25
22	MP3C	Mx	-.002	.25
23	MP3C	Z	-4.107	5.25
24	MP3C	Mx	-.002	5.25
25	MP4C	Z	-4.107	.25
26	MP4C	Mx	-.002	.25
27	MP4C	Z	-4.107	5.25
28	MP4C	Mx	-.002	5.25
29	MP4B	Z	-2.16	.25
30	MP4B	Mx	.000935	.25
31	MP4B	Z	-2.16	5.25
32	MP4B	Mx	.000935	5.25
33	MP1C	Z	-1.757	.25
34	MP1C	Mx	-.000761	.25
35	MP1C	Z	-1.757	5.25
36	MP1C	Mx	-.000761	5.25
37	MP3A	Z	-1.757	.25
38	MP3A	Mx	0	.25
39	MP3A	Z	-1.757	5.25
40	MP3A	Mx	0	5.25
41	M101	Z	-3.396	1
42	M101	Mx	0	1
43	MP1B	Z	-4.622	1.25
44	MP1B	Mx	.002	1.25
45	MP1B	Z	-4.622	2.75
46	MP1B	Mx	.002	2.75
47	MP2C	Z	-4.622	2
48	MP2C	Mx	-.002	2
49	MP2C	Z	-4.622	3.5
50	MP2C	Mx	-.002	3.5
51	MP4A	Z	-4.622	.5
52	MP4A	Mx	0	.5
53	MP4A	Z	-4.622	2
54	MP4A	Mx	0	2
55	MP1A	Z	-8.958	2.25
56	MP1A	Mx	0	2.25
57	MP2B	Z	-8.958	3
58	MP2B	Mx	-.004	3
59	MP3C	Z	-8.958	3
60	MP3C	Mx	.004	3
61	MP2A	Z	-7.461	3
62	MP2A	Mx	0	3
63	MP3B	Z	-7.461	3
64	MP3B	Mx	-.003	3
65	MP4C	Z	-7.461	1.5
66	MP4C	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	3.396	1
2	M103	Mx	0	1
3	MP2A	X	1.868	5
4	MP2A	Mx	.000934	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
5	MP1A	X	4.107	.25
6	MP1A	Mx	-.002	.25
7	MP1A	X	4.107	5.25
8	MP1A	Mx	-.002	5.25
9	MP2A	X	4.107	.25
10	MP2A	Mx	-.002	.25
11	MP2A	X	4.107	5.25
12	MP2A	Mx	-.002	5.25
13	MP2B	X	4.107	.25
14	MP2B	Mx	.001	.25
15	MP2B	X	4.107	5.25
16	MP2B	Mx	.001	5.25
17	MP3B	X	4.107	.25
18	MP3B	Mx	.001	.25
19	MP3B	X	4.107	5.25
20	MP3B	Mx	.001	5.25
21	MP3C	X	4.107	.25
22	MP3C	Mx	.001	.25
23	MP3C	X	4.107	5.25
24	MP3C	Mx	.001	5.25
25	MP4C	X	4.107	.25
26	MP4C	Mx	.001	.25
27	MP4C	X	4.107	5.25
28	MP4C	Mx	.001	5.25
29	MP4B	X	2.16	.25
30	MP4B	Mx	.00054	.25
31	MP4B	X	2.16	5.25
32	MP4B	Mx	.00054	5.25
33	MP1C	X	1.757	.25
34	MP1C	Mx	.000439	.25
35	MP1C	X	1.757	5.25
36	MP1C	Mx	.000439	5.25
37	MP3A	X	1.757	.25
38	MP3A	Mx	-.000878	.25
39	MP3A	X	1.757	5.25
40	MP3A	Mx	-.000878	5.25
41	M101	X	3.396	1
42	M101	Mx	0	1
43	MP1B	X	4.622	1.25
44	MP1B	Mx	.001	1.25
45	MP1B	X	4.622	2.75
46	MP1B	Mx	.001	2.75
47	MP2C	X	4.622	2
48	MP2C	Mx	.001	2
49	MP2C	X	4.622	3.5
50	MP2C	Mx	.001	3.5
51	MP4A	X	4.622	.5
52	MP4A	Mx	-.002	.5
53	MP4A	X	4.622	2
54	MP4A	Mx	-.002	2
55	MP1A	X	8.958	2.25
56	MP1A	Mx	.004	2.25
57	MP2B	X	8.958	3
58	MP2B	Mx	-.002	3
59	MP3C	X	8.958	3
60	MP3C	Mx	-.002	3
61	MP2A	X	7.461	3
62	MP2A	Mx	.004	3
63	MP3B	X	7.461	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
64	MP3B	Mx	-0.02	3
65	MP4C	X	7.461	1.5
66	MP4C	Mx	-0.02	1.5

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
1	M4	Y	-15.884	-15.884	0	%100
2	M10	Y	-15.884	-15.884	0	%100
3	M43	Y	-15.884	-15.884	0	%100
4	M46	Y	-16.664	-16.664	0	%100
5	M51B	Y	-9.822	-9.822	0	%100
6	M52B	Y	-9.822	-9.822	0	%100
7	M76	Y	-16.645	-16.645	0	%100
8	M77	Y	-16.645	-16.645	0	%100
9	M80	Y	-16.664	-16.664	0	%100
10	M84	Y	-16.645	-16.645	0	%100
11	M85	Y	-16.645	-16.645	0	%100
12	M91	Y	-16.664	-16.664	0	%100
13	M25	Y	-15.884	-15.884	0	%100
14	M26	Y	-15.884	-15.884	0	%100
15	M27	Y	-15.884	-15.884	0	%100
16	M28	Y	-16.664	-16.664	0	%100
17	M31	Y	-9.822	-9.822	0	%100
18	M32	Y	-9.822	-9.822	0	%100
19	M36	Y	-16.645	-16.645	0	%100
20	M37	Y	-16.645	-16.645	0	%100
21	M39	Y	-16.664	-16.664	0	%100
22	M41	Y	-16.645	-16.645	0	%100
23	M42	Y	-16.645	-16.645	0	%100
24	M44	Y	-16.664	-16.664	0	%100
25	M49	Y	-15.884	-15.884	0	%100
26	M50A	Y	-15.884	-15.884	0	%100
27	M51C	Y	-15.884	-15.884	0	%100
28	M52A	Y	-16.664	-16.664	0	%100
29	M55	Y	-9.822	-9.822	0	%100
30	M56	Y	-9.822	-9.822	0	%100
31	M60	Y	-16.645	-16.645	0	%100
32	M61	Y	-16.645	-16.645	0	%100
33	M63	Y	-16.664	-16.664	0	%100
34	M65	Y	-16.645	-16.645	0	%100
35	M66	Y	-16.645	-16.645	0	%100
36	M68	Y	-16.664	-16.664	0	%100
37	M73	Y	-11.262	-11.262	0	%100
38	M74	Y	-11.262	-11.262	0	%100
39	M75	Y	-11.262	-11.262	0	%100
40	MP1A	Y	-8.85	-8.85	0	%100
41	MP2A	Y	-8.85	-8.85	0	%100
42	MP3A	Y	-8.85	-8.85	0	%100
43	MP4A	Y	-8.85	-8.85	0	%100
44	MP1C	Y	-8.85	-8.85	0	%100
45	MP2C	Y	-8.85	-8.85	0	%100
46	MP3C	Y	-8.85	-8.85	0	%100
47	MP4C	Y	-8.85	-8.85	0	%100
48	MP1B	Y	-8.85	-8.85	0	%100
49	MP2B	Y	-8.85	-8.85	0	%100
50	MP3B	Y	-8.85	-8.85	0	%100
51	MP4B	Y	-8.85	-8.85	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft,%]	End Location[ft,%]
52	M101	Y	-8.85	-8.85	0	%100
53	M103	Y	-8.85	-8.85	0	%100
54	M104	Y	-9.922	-9.922	0	%100
55	M105	Y	-9.922	-9.922	0	%100
56	M106	Y	-9.922	-9.922	0	%100
57	M125	Y	-12.853	-12.853	0	%100
58	M126	Y	-12.853	-12.853	0	%100
59	M127	Y	-12.853	-12.853	0	%100
60	M128	Y	-18.227	-18.227	0	%100
61	M129	Y	-18.227	-18.227	0	%100
62	M130	Y	-18.227	-18.227	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-10.626	-10.626	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-10.626	-10.626	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-21.195	-21.195	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-2.942	-2.942	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-2.942	-2.942	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-5.397	-5.397	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-5.684	-5.684	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-5.397	-5.397	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-5.684	-5.684	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-9.419	-9.419	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-2.657	-2.657	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-2.657	-2.657	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-5.299	-5.299	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-2.942	-2.942	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-11.769	-11.769	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-15.896	-15.896	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-5.397	-5.397	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-5.684	-5.684	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-15.896	-15.896	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
45	M42	X	0	0	%100
46	M42	Z	-21.588	-21.588	%100
47	M44	X	0	0	%100
48	M44	Z	-22.738	-22.738	%100
49	M49	X	0	0	%100
50	M49	Z	-9.419	-9.419	%100
51	M50A	X	0	0	%100
52	M50A	Z	-2.657	-2.657	%100
53	M51C	X	0	0	%100
54	M51C	Z	-2.657	-2.657	%100
55	M52A	X	0	0	%100
56	M52A	Z	-5.299	-5.299	%100
57	M55	X	0	0	%100
58	M55	Z	-11.769	-11.769	%100
59	M56	X	0	0	%100
60	M56	Z	-2.942	-2.942	%100
61	M60	X	0	0	%100
62	M60	Z	-15.896	-15.896	%100
63	M61	X	0	0	%100
64	M61	Z	-21.588	-21.588	%100
65	M63	X	0	0	%100
66	M63	Z	-22.738	-22.738	%100
67	M65	X	0	0	%100
68	M65	Z	-15.896	-15.896	%100
69	M66	X	0	0	%100
70	M66	Z	-5.397	-5.397	%100
71	M68	X	0	0	%100
72	M68	Z	-5.684	-5.684	%100
73	M73	X	0	0	%100
74	M73	Z	-12.364	-12.364	%100
75	M74	X	0	0	%100
76	M74	Z	-3.091	-3.091	%100
77	M75	X	0	0	%100
78	M75	Z	-3.091	-3.091	%100
79	MP1A	X	0	0	%100
80	MP1A	Z	-8.39	-8.39	%100
81	MP2A	X	0	0	%100
82	MP2A	Z	-8.39	-8.39	%100
83	MP3A	X	0	0	%100
84	MP3A	Z	-8.39	-8.39	%100
85	MP4A	X	0	0	%100
86	MP4A	Z	-8.39	-8.39	%100
87	MP1C	X	0	0	%100
88	MP1C	Z	-8.39	-8.39	%100
89	MP2C	X	0	0	%100
90	MP2C	Z	-8.39	-8.39	%100
91	MP3C	X	0	0	%100
92	MP3C	Z	-8.39	-8.39	%100
93	MP4C	X	0	0	%100
94	MP4C	Z	-8.39	-8.39	%100
95	MP1B	X	0	0	%100
96	MP1B	Z	-8.39	-8.39	%100
97	MP2B	X	0	0	%100
98	MP2B	Z	-8.39	-8.39	%100
99	MP3B	X	0	0	%100
100	MP3B	Z	-8.39	-8.39	%100
101	MP4B	X	0	0	%100
102	MP4B	Z	-8.39	-8.39	%100
103	M101	X	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
104	M101	Z	-6.076	-6.076	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	-6.076	-6.076	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	-10.156	-10.156	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	-2.539	-2.539	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	-2.539	-2.539	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	-3.152	-3.152	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	-3.152	-3.152	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-12.606	-12.606	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-5.69	-5.69	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	-13.099	-13.099	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	-13.099	-13.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	1.57	1.57	0	%100
2	M4	Z	-2.719	-2.719	0	%100
3	M10	X	3.985	3.985	0	%100
4	M10	Z	-6.902	-6.902	0	%100
5	M43	X	3.985	3.985	0	%100
6	M43	Z	-6.902	-6.902	0	%100
7	M46	X	7.948	7.948	0	%100
8	M46	Z	-13.767	-13.767	0	%100
9	M51B	X	4.414	4.414	0	%100
10	M51B	Z	-7.644	-7.644	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	2.649	2.649	0	%100
14	M76	Z	-4.589	-4.589	0	%100
15	M77	X	8.095	8.095	0	%100
16	M77	Z	-14.022	-14.022	0	%100
17	M80	X	8.527	8.527	0	%100
18	M80	Z	-14.769	-14.769	0	%100
19	M84	X	2.649	2.649	0	%100
20	M84	Z	-4.589	-4.589	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	1.57	1.57	0	%100
26	M25	Z	-2.719	-2.719	0	%100
27	M26	X	3.985	3.985	0	%100
28	M26	Z	-6.902	-6.902	0	%100
29	M27	X	3.985	3.985	0	%100
30	M27	Z	-6.902	-6.902	0	%100
31	M28	X	7.948	7.948	0	%100
32	M28	Z	-13.767	-13.767	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	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....	Start Location[ft.%]	End Location[ft.%]
35	M32	X	4.414	4.414	0 %100
36	M32	Z	-7.644	-7.644	0 %100
37	M36	X	2.649	2.649	0 %100
38	M36	Z	-4.589	-4.589	0 %100
39	M37	X	0	0	0 %100
40	M37	Z	0	0	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	0	0	0 %100
43	M41	X	2.649	2.649	0 %100
44	M41	Z	-4.589	-4.589	0 %100
45	M42	X	8.095	8.095	0 %100
46	M42	Z	-14.022	-14.022	0 %100
47	M44	X	8.527	8.527	0 %100
48	M44	Z	-14.769	-14.769	0 %100
49	M49	X	6.279	6.279	0 %100
50	M49	Z	-10.876	-10.876	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	4.414	4.414	0 %100
58	M55	Z	-7.644	-7.644	0 %100
59	M56	X	4.414	4.414	0 %100
60	M56	Z	-7.644	-7.644	0 %100
61	M60	X	10.598	10.598	0 %100
62	M60	Z	-18.356	-18.356	0 %100
63	M61	X	8.095	8.095	0 %100
64	M61	Z	-14.022	-14.022	0 %100
65	M63	X	8.527	8.527	0 %100
66	M63	Z	-14.769	-14.769	0 %100
67	M65	X	10.598	10.598	0 %100
68	M65	Z	-18.356	-18.356	0 %100
69	M66	X	8.095	8.095	0 %100
70	M66	Z	-14.022	-14.022	0 %100
71	M68	X	8.527	8.527	0 %100
72	M68	Z	-14.769	-14.769	0 %100
73	M73	X	4.636	4.636	0 %100
74	M73	Z	-8.031	-8.031	0 %100
75	M74	X	4.636	4.636	0 %100
76	M74	Z	-8.031	-8.031	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	4.195	4.195	0 %100
80	MP1A	Z	-7.266	-7.266	0 %100
81	MP2A	X	4.195	4.195	0 %100
82	MP2A	Z	-7.266	-7.266	0 %100
83	MP3A	X	4.195	4.195	0 %100
84	MP3A	Z	-7.266	-7.266	0 %100
85	MP4A	X	4.195	4.195	0 %100
86	MP4A	Z	-7.266	-7.266	0 %100
87	MP1C	X	4.195	4.195	0 %100
88	MP1C	Z	-7.266	-7.266	0 %100
89	MP2C	X	4.195	4.195	0 %100
90	MP2C	Z	-7.266	-7.266	0 %100
91	MP3C	X	4.195	4.195	0 %100
92	MP3C	Z	-7.266	-7.266	0 %100
93	MP4C	X	4.195	4.195	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
94	MP4C	Z	-7.266	-7.266	0	%100
95	MP1B	X	4.195	4.195	0	%100
96	MP1B	Z	-7.266	-7.266	0	%100
97	MP2B	X	4.195	4.195	0	%100
98	MP2B	Z	-7.266	-7.266	0	%100
99	MP3B	X	4.195	4.195	0	%100
100	MP3B	Z	-7.266	-7.266	0	%100
101	MP4B	X	4.195	4.195	0	%100
102	MP4B	Z	-7.266	-7.266	0	%100
103	M101	X	3.038	3.038	0	%100
104	M101	Z	-5.262	-5.262	0	%100
105	M103	X	3.038	3.038	0	%100
106	M103	Z	-5.262	-5.262	0	%100
107	M104	X	3.809	3.809	0	%100
108	M104	Z	-6.597	-6.597	0	%100
109	M105	X	3.809	3.809	0	%100
110	M105	Z	-6.597	-6.597	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	4.727	4.727	0	%100
114	M125	Z	-8.188	-8.188	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	4.727	4.727	0	%100
118	M127	Z	-8.188	-8.188	0	%100
119	M128	X	4.08	4.08	0	%100
120	M128	Z	-7.066	-7.066	0	%100
121	M129	X	4.08	4.08	0	%100
122	M129	Z	-7.066	-7.066	0	%100
123	M130	X	7.785	7.785	0	%100
124	M130	Z	-13.483	-13.483	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	8.157	8.157	0	%100
2	M4	Z	-4.709	-4.709	0	%100
3	M10	X	2.301	2.301	0	%100
4	M10	Z	-1.328	-1.328	0	%100
5	M43	X	2.301	2.301	0	%100
6	M43	Z	-1.328	-1.328	0	%100
7	M46	X	4.589	4.589	0	%100
8	M46	Z	-2.649	-2.649	0	%100
9	M51B	X	10.193	10.193	0	%100
10	M51B	Z	-5.885	-5.885	0	%100
11	M52B	X	2.548	2.548	0	%100
12	M52B	Z	-1.471	-1.471	0	%100
13	M76	X	13.767	13.767	0	%100
14	M76	Z	-7.948	-7.948	0	%100
15	M77	X	18.696	18.696	0	%100
16	M77	Z	-10.794	-10.794	0	%100
17	M80	X	19.692	19.692	0	%100
18	M80	Z	-11.369	-11.369	0	%100
19	M84	X	13.767	13.767	0	%100
20	M84	Z	-7.948	-7.948	0	%100
21	M85	X	4.674	4.674	0	%100
22	M85	Z	-2.698	-2.698	0	%100
23	M91	X	4.923	4.923	0	%100
24	M91	Z	-2.842	-2.842	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
25	M25	X	0	0	%100
26	M25	Z	0	0	%100
27	M26	X	9.203	9.203	%100
28	M26	Z	-5.313	-5.313	%100
29	M27	X	9.203	9.203	%100
30	M27	Z	-5.313	-5.313	%100
31	M28	X	18.356	18.356	%100
32	M28	Z	-10.598	-10.598	%100
33	M31	X	2.548	2.548	%100
34	M31	Z	-1.471	-1.471	%100
35	M32	X	2.548	2.548	%100
36	M32	Z	-1.471	-1.471	%100
37	M36	X	0	0	%100
38	M36	Z	0	0	%100
39	M37	X	4.674	4.674	%100
40	M37	Z	-2.698	-2.698	%100
41	M39	X	4.923	4.923	%100
42	M39	Z	-2.842	-2.842	%100
43	M41	X	0	0	%100
44	M41	Z	0	0	%100
45	M42	X	4.674	4.674	%100
46	M42	Z	-2.698	-2.698	%100
47	M44	X	4.923	4.923	%100
48	M44	Z	-2.842	-2.842	%100
49	M49	X	8.157	8.157	%100
50	M49	Z	-4.709	-4.709	%100
51	M50A	X	2.301	2.301	%100
52	M50A	Z	-1.328	-1.328	%100
53	M51C	X	2.301	2.301	%100
54	M51C	Z	-1.328	-1.328	%100
55	M52A	X	4.589	4.589	%100
56	M52A	Z	-2.649	-2.649	%100
57	M55	X	2.548	2.548	%100
58	M55	Z	-1.471	-1.471	%100
59	M56	X	10.193	10.193	%100
60	M56	Z	-5.885	-5.885	%100
61	M60	X	13.767	13.767	%100
62	M60	Z	-7.948	-7.948	%100
63	M61	X	4.674	4.674	%100
64	M61	Z	-2.698	-2.698	%100
65	M63	X	4.923	4.923	%100
66	M63	Z	-2.842	-2.842	%100
67	M65	X	13.767	13.767	%100
68	M65	Z	-7.948	-7.948	%100
69	M66	X	18.696	18.696	%100
70	M66	Z	-10.794	-10.794	%100
71	M68	X	19.692	19.692	%100
72	M68	Z	-11.369	-11.369	%100
73	M73	X	2.677	2.677	%100
74	M73	Z	-1.545	-1.545	%100
75	M74	X	10.707	10.707	%100
76	M74	Z	-6.182	-6.182	%100
77	M75	X	2.677	2.677	%100
78	M75	Z	-1.545	-1.545	%100
79	MP1A	X	7.266	7.266	%100
80	MP1A	Z	-4.195	-4.195	%100
81	MP2A	X	7.266	7.266	%100
82	MP2A	Z	-4.195	-4.195	%100
83	MP3A	X	7.266	7.266	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
84	MP3A	Z	-4.195	-4.195	0	%100
85	MP4A	X	7.266	7.266	0	%100
86	MP4A	Z	-4.195	-4.195	0	%100
87	MP1C	X	7.266	7.266	0	%100
88	MP1C	Z	-4.195	-4.195	0	%100
89	MP2C	X	7.266	7.266	0	%100
90	MP2C	Z	-4.195	-4.195	0	%100
91	MP3C	X	7.266	7.266	0	%100
92	MP3C	Z	-4.195	-4.195	0	%100
93	MP4C	X	7.266	7.266	0	%100
94	MP4C	Z	-4.195	-4.195	0	%100
95	MP1B	X	7.266	7.266	0	%100
96	MP1B	Z	-4.195	-4.195	0	%100
97	MP2B	X	7.266	7.266	0	%100
98	MP2B	Z	-4.195	-4.195	0	%100
99	MP3B	X	7.266	7.266	0	%100
100	MP3B	Z	-4.195	-4.195	0	%100
101	MP4B	X	7.266	7.266	0	%100
102	MP4B	Z	-4.195	-4.195	0	%100
103	M101	X	5.262	5.262	0	%100
104	M101	Z	-3.038	-3.038	0	%100
105	M103	X	5.262	5.262	0	%100
106	M103	Z	-3.038	-3.038	0	%100
107	M104	X	2.199	2.199	0	%100
108	M104	Z	-1.27	-1.27	0	%100
109	M105	X	8.795	8.795	0	%100
110	M105	Z	-5.078	-5.078	0	%100
111	M106	X	2.199	2.199	0	%100
112	M106	Z	-1.27	-1.27	0	%100
113	M125	X	10.917	10.917	0	%100
114	M125	Z	-6.303	-6.303	0	%100
115	M126	X	2.729	2.729	0	%100
116	M126	Z	-1.576	-1.576	0	%100
117	M127	X	2.729	2.729	0	%100
118	M127	Z	-1.576	-1.576	0	%100
119	M128	X	11.344	11.344	0	%100
120	M128	Z	-6.55	-6.55	0	%100
121	M129	X	4.927	4.927	0	%100
122	M129	Z	-2.845	-2.845	0	%100
123	M130	X	11.344	11.344	0	%100
124	M130	Z	-6.55	-6.55	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	12.558	12.558	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	8.827	8.827	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	8.827	8.827	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	21.195	21.195	0	%100
14	M76	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
15	M77	X	16.191	16.191	0 %100
16	M77	Z	0	0	0 %100
17	M80	X	17.053	17.053	0 %100
18	M80	Z	0	0	0 %100
19	M84	X	21.195	21.195	0 %100
20	M84	Z	0	0	0 %100
21	M85	X	16.191	16.191	0 %100
22	M85	Z	0	0	0 %100
23	M91	X	17.053	17.053	0 %100
24	M91	Z	0	0	0 %100
25	M25	X	3.14	3.14	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	7.97	7.97	0 %100
28	M26	Z	0	0	0 %100
29	M27	X	7.97	7.97	0 %100
30	M27	Z	0	0	0 %100
31	M28	X	15.896	15.896	0 %100
32	M28	Z	0	0	0 %100
33	M31	X	8.827	8.827	0 %100
34	M31	Z	0	0	0 %100
35	M32	X	0	0	0 %100
36	M32	Z	0	0	0 %100
37	M36	X	5.299	5.299	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	16.191	16.191	0 %100
40	M37	Z	0	0	0 %100
41	M39	X	17.053	17.053	0 %100
42	M39	Z	0	0	0 %100
43	M41	X	5.299	5.299	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	0	0	0 %100
46	M42	Z	0	0	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	0	0	0 %100
49	M49	X	3.14	3.14	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	7.97	7.97	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	7.97	7.97	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	15.896	15.896	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	0	0	0 %100
58	M55	Z	0	0	0 %100
59	M56	X	8.827	8.827	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	5.299	5.299	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	0	0	0 %100
64	M61	Z	0	0	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	0	0	0 %100
67	M65	X	5.299	5.299	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	16.191	16.191	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	17.053	17.053	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	0	0	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
74	M73	Z	0	0	0	%100
75	M74	X	9.273	9.273	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	9.273	9.273	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	8.39	8.39	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	8.39	8.39	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	8.39	8.39	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	8.39	8.39	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	8.39	8.39	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	8.39	8.39	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	8.39	8.39	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	8.39	8.39	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	8.39	8.39	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	8.39	8.39	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	8.39	8.39	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	8.39	8.39	0	%100
102	MP4B	Z	0	0	0	%100
103	M101	X	6.076	6.076	0	%100
104	M101	Z	0	0	0	%100
105	M103	X	6.076	6.076	0	%100
106	M103	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M105	X	7.617	7.617	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	7.617	7.617	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	9.455	9.455	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	9.455	9.455	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	15.569	15.569	0	%100
120	M128	Z	0	0	0	%100
121	M129	X	8.16	8.16	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	8.16	8.16	0	%100
124	M130	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....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	8.157	8.157	0	%100
2	M4	Z	4.709	4.709	0	%100
3	M10	X	2.301	2.301	0	%100
4	M10	Z	1.328	1.328	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
5	M43	X	2.301	2.301	0 %100
6	M43	Z	1.328	1.328	0 %100
7	M46	X	4.589	4.589	0 %100
8	M46	Z	2.649	2.649	0 %100
9	M51B	X	2.548	2.548	0 %100
10	M51B	Z	1.471	1.471	0 %100
11	M52B	X	10.193	10.193	0 %100
12	M52B	Z	5.885	5.885	0 %100
13	M76	X	13.767	13.767	0 %100
14	M76	Z	7.948	7.948	0 %100
15	M77	X	4.674	4.674	0 %100
16	M77	Z	2.698	2.698	0 %100
17	M80	X	4.923	4.923	0 %100
18	M80	Z	2.842	2.842	0 %100
19	M84	X	13.767	13.767	0 %100
20	M84	Z	7.948	7.948	0 %100
21	M85	X	18.696	18.696	0 %100
22	M85	Z	10.794	10.794	0 %100
23	M91	X	19.692	19.692	0 %100
24	M91	Z	11.369	11.369	0 %100
25	M25	X	8.157	8.157	0 %100
26	M25	Z	4.709	4.709	0 %100
27	M26	X	2.301	2.301	0 %100
28	M26	Z	1.328	1.328	0 %100
29	M27	X	2.301	2.301	0 %100
30	M27	Z	1.328	1.328	0 %100
31	M28	X	4.589	4.589	0 %100
32	M28	Z	2.649	2.649	0 %100
33	M31	X	10.193	10.193	0 %100
34	M31	Z	5.885	5.885	0 %100
35	M32	X	2.548	2.548	0 %100
36	M32	Z	1.471	1.471	0 %100
37	M36	X	13.767	13.767	0 %100
38	M36	Z	7.948	7.948	0 %100
39	M37	X	18.696	18.696	0 %100
40	M37	Z	10.794	10.794	0 %100
41	M39	X	19.692	19.692	0 %100
42	M39	Z	11.369	11.369	0 %100
43	M41	X	13.767	13.767	0 %100
44	M41	Z	7.948	7.948	0 %100
45	M42	X	4.674	4.674	0 %100
46	M42	Z	2.698	2.698	0 %100
47	M44	X	4.923	4.923	0 %100
48	M44	Z	2.842	2.842	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	9.203	9.203	0 %100
52	M50A	Z	5.313	5.313	0 %100
53	M51C	X	9.203	9.203	0 %100
54	M51C	Z	5.313	5.313	0 %100
55	M52A	X	18.356	18.356	0 %100
56	M52A	Z	10.598	10.598	0 %100
57	M55	X	2.548	2.548	0 %100
58	M55	Z	1.471	1.471	0 %100
59	M56	X	2.548	2.548	0 %100
60	M56	Z	1.471	1.471	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	4.674	4.674	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
64	M61	Z	2.698	2.698	0 %100
65	M63	X	4.923	4.923	0 %100
66	M63	Z	2.842	2.842	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	4.674	4.674	0 %100
70	M66	Z	2.698	2.698	0 %100
71	M68	X	4.923	4.923	0 %100
72	M68	Z	2.842	2.842	0 %100
73	M73	X	2.677	2.677	0 %100
74	M73	Z	1.545	1.545	0 %100
75	M74	X	2.677	2.677	0 %100
76	M74	Z	1.545	1.545	0 %100
77	M75	X	10.707	10.707	0 %100
78	M75	Z	6.182	6.182	0 %100
79	MP1A	X	7.266	7.266	0 %100
80	MP1A	Z	4.195	4.195	0 %100
81	MP2A	X	7.266	7.266	0 %100
82	MP2A	Z	4.195	4.195	0 %100
83	MP3A	X	7.266	7.266	0 %100
84	MP3A	Z	4.195	4.195	0 %100
85	MP4A	X	7.266	7.266	0 %100
86	MP4A	Z	4.195	4.195	0 %100
87	MP1C	X	7.266	7.266	0 %100
88	MP1C	Z	4.195	4.195	0 %100
89	MP2C	X	7.266	7.266	0 %100
90	MP2C	Z	4.195	4.195	0 %100
91	MP3C	X	7.266	7.266	0 %100
92	MP3C	Z	4.195	4.195	0 %100
93	MP4C	X	7.266	7.266	0 %100
94	MP4C	Z	4.195	4.195	0 %100
95	MP1B	X	7.266	7.266	0 %100
96	MP1B	Z	4.195	4.195	0 %100
97	MP2B	X	7.266	7.266	0 %100
98	MP2B	Z	4.195	4.195	0 %100
99	MP3B	X	7.266	7.266	0 %100
100	MP3B	Z	4.195	4.195	0 %100
101	MP4B	X	7.266	7.266	0 %100
102	MP4B	Z	4.195	4.195	0 %100
103	M101	X	5.262	5.262	0 %100
104	M101	Z	3.038	3.038	0 %100
105	M103	X	5.262	5.262	0 %100
106	M103	Z	3.038	3.038	0 %100
107	M104	X	2.199	2.199	0 %100
108	M104	Z	1.27	1.27	0 %100
109	M105	X	2.199	2.199	0 %100
110	M105	Z	1.27	1.27	0 %100
111	M106	X	8.795	8.795	0 %100
112	M106	Z	5.078	5.078	0 %100
113	M125	X	2.729	2.729	0 %100
114	M125	Z	1.576	1.576	0 %100
115	M126	X	10.917	10.917	0 %100
116	M126	Z	6.303	6.303	0 %100
117	M127	X	2.729	2.729	0 %100
118	M127	Z	1.576	1.576	0 %100
119	M128	X	11.344	11.344	0 %100
120	M128	Z	6.55	6.55	0 %100
121	M129	X	11.344	11.344	0 %100
122	M129	Z	6.55	6.55	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
123	M130	X	4.927	4.927	0	%100
124	M130	Z	2.845	2.845	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	1.57	1.57	0	%100
2	M4	Z	2.719	2.719	0	%100
3	M10	X	3.985	3.985	0	%100
4	M10	Z	6.902	6.902	0	%100
5	M43	X	3.985	3.985	0	%100
6	M43	Z	6.902	6.902	0	%100
7	M46	X	7.948	7.948	0	%100
8	M46	Z	13.767	13.767	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	4.414	4.414	0	%100
12	M52B	Z	7.644	7.644	0	%100
13	M76	X	2.649	2.649	0	%100
14	M76	Z	4.589	4.589	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	2.649	2.649	0	%100
20	M84	Z	4.589	4.589	0	%100
21	M85	X	8.095	8.095	0	%100
22	M85	Z	14.022	14.022	0	%100
23	M91	X	8.527	8.527	0	%100
24	M91	Z	14.769	14.769	0	%100
25	M25	X	6.279	6.279	0	%100
26	M25	Z	10.876	10.876	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	4.414	4.414	0	%100
34	M31	Z	7.644	7.644	0	%100
35	M32	X	4.414	4.414	0	%100
36	M32	Z	7.644	7.644	0	%100
37	M36	X	10.598	10.598	0	%100
38	M36	Z	18.356	18.356	0	%100
39	M37	X	8.095	8.095	0	%100
40	M37	Z	14.022	14.022	0	%100
41	M39	X	8.527	8.527	0	%100
42	M39	Z	14.769	14.769	0	%100
43	M41	X	10.598	10.598	0	%100
44	M41	Z	18.356	18.356	0	%100
45	M42	X	8.095	8.095	0	%100
46	M42	Z	14.022	14.022	0	%100
47	M44	X	8.527	8.527	0	%100
48	M44	Z	14.769	14.769	0	%100
49	M49	X	1.57	1.57	0	%100
50	M49	Z	2.719	2.719	0	%100
51	M50A	X	3.985	3.985	0	%100
52	M50A	Z	6.902	6.902	0	%100
53	M51C	X	3.985	3.985	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
54	M51C	Z	6.902	6.902	0 %100
55	M52A	X	7.948	7.948	0 %100
56	M52A	Z	13.767	13.767	0 %100
57	M55	X	4.414	4.414	0 %100
58	M55	Z	7.644	7.644	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	2.649	2.649	0 %100
62	M60	Z	4.589	4.589	0 %100
63	M61	X	8.095	8.095	0 %100
64	M61	Z	14.022	14.022	0 %100
65	M63	X	8.527	8.527	0 %100
66	M63	Z	14.769	14.769	0 %100
67	M65	X	2.649	2.649	0 %100
68	M65	Z	4.589	4.589	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	4.636	4.636	0 %100
74	M73	Z	8.031	8.031	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	4.636	4.636	0 %100
78	M75	Z	8.031	8.031	0 %100
79	MP1A	X	4.195	4.195	0 %100
80	MP1A	Z	7.266	7.266	0 %100
81	MP2A	X	4.195	4.195	0 %100
82	MP2A	Z	7.266	7.266	0 %100
83	MP3A	X	4.195	4.195	0 %100
84	MP3A	Z	7.266	7.266	0 %100
85	MP4A	X	4.195	4.195	0 %100
86	MP4A	Z	7.266	7.266	0 %100
87	MP1C	X	4.195	4.195	0 %100
88	MP1C	Z	7.266	7.266	0 %100
89	MP2C	X	4.195	4.195	0 %100
90	MP2C	Z	7.266	7.266	0 %100
91	MP3C	X	4.195	4.195	0 %100
92	MP3C	Z	7.266	7.266	0 %100
93	MP4C	X	4.195	4.195	0 %100
94	MP4C	Z	7.266	7.266	0 %100
95	MP1B	X	4.195	4.195	0 %100
96	MP1B	Z	7.266	7.266	0 %100
97	MP2B	X	4.195	4.195	0 %100
98	MP2B	Z	7.266	7.266	0 %100
99	MP3B	X	4.195	4.195	0 %100
100	MP3B	Z	7.266	7.266	0 %100
101	MP4B	X	4.195	4.195	0 %100
102	MP4B	Z	7.266	7.266	0 %100
103	M101	X	3.038	3.038	0 %100
104	M101	Z	5.262	5.262	0 %100
105	M103	X	3.038	3.038	0 %100
106	M103	Z	5.262	5.262	0 %100
107	M104	X	3.809	3.809	0 %100
108	M104	Z	6.597	6.597	0 %100
109	M105	X	0	0	0 %100
110	M105	Z	0	0	0 %100
111	M106	X	3.809	3.809	0 %100
112	M106	Z	6.597	6.597	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	4.727	4.727	0	%100
116	M126	Z	8.188	8.188	0	%100
117	M127	X	4.727	4.727	0	%100
118	M127	Z	8.188	8.188	0	%100
119	M128	X	4.08	4.08	0	%100
120	M128	Z	7.066	7.066	0	%100
121	M129	X	7.785	7.785	0	%100
122	M129	Z	13.483	13.483	0	%100
123	M130	X	4.08	4.08	0	%100
124	M130	Z	7.066	7.066	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	10.626	10.626	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	10.626	10.626	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	21.195	21.195	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	2.942	2.942	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	2.942	2.942	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	5.397	5.397	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	5.684	5.684	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	5.397	5.397	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	5.684	5.684	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	9.419	9.419	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	2.657	2.657	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	2.657	2.657	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	5.299	5.299	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	2.942	2.942	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	11.769	11.769	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	15.896	15.896	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	5.397	5.397	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	5.684	5.684	0	%100
43	M41	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....]	Start Location[ft.%]	End Location[ft.%]
44	M41	Z	15.896	15.896	0 %100
45	M42	X	0	0	0 %100
46	M42	Z	21.588	21.588	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	22.738	22.738	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	9.419	9.419	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	2.657	2.657	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	2.657	2.657	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	5.299	5.299	0 %100
57	M55	X	0	0	0 %100
58	M55	Z	11.769	11.769	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	2.942	2.942	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	15.896	15.896	0 %100
63	M61	X	0	0	0 %100
64	M61	Z	21.588	21.588	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	22.738	22.738	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	15.896	15.896	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	5.397	5.397	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	5.684	5.684	0 %100
73	M73	X	0	0	0 %100
74	M73	Z	12.364	12.364	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	3.091	3.091	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	3.091	3.091	0 %100
79	MP1A	X	0	0	0 %100
80	MP1A	Z	8.39	8.39	0 %100
81	MP2A	X	0	0	0 %100
82	MP2A	Z	8.39	8.39	0 %100
83	MP3A	X	0	0	0 %100
84	MP3A	Z	8.39	8.39	0 %100
85	MP4A	X	0	0	0 %100
86	MP4A	Z	8.39	8.39	0 %100
87	MP1C	X	0	0	0 %100
88	MP1C	Z	8.39	8.39	0 %100
89	MP2C	X	0	0	0 %100
90	MP2C	Z	8.39	8.39	0 %100
91	MP3C	X	0	0	0 %100
92	MP3C	Z	8.39	8.39	0 %100
93	MP4C	X	0	0	0 %100
94	MP4C	Z	8.39	8.39	0 %100
95	MP1B	X	0	0	0 %100
96	MP1B	Z	8.39	8.39	0 %100
97	MP2B	X	0	0	0 %100
98	MP2B	Z	8.39	8.39	0 %100
99	MP3B	X	0	0	0 %100
100	MP3B	Z	8.39	8.39	0 %100
101	MP4B	X	0	0	0 %100
102	MP4B	Z	8.39	8.39	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
103	M101	X	0	0	0	%100
104	M101	Z	6.076	6.076	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	6.076	6.076	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	10.156	10.156	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	2.539	2.539	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	2.539	2.539	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	3.152	3.152	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	3.152	3.152	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	12.606	12.606	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	5.69	5.69	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	13.099	13.099	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	13.099	13.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-1.57	-1.57	0	%100
2	M4	Z	2.719	2.719	0	%100
3	M10	X	-3.985	-3.985	0	%100
4	M10	Z	6.902	6.902	0	%100
5	M43	X	-3.985	-3.985	0	%100
6	M43	Z	6.902	6.902	0	%100
7	M46	X	-7.948	-7.948	0	%100
8	M46	Z	13.767	13.767	0	%100
9	M51B	X	-4.414	-4.414	0	%100
10	M51B	Z	7.644	7.644	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-2.649	-2.649	0	%100
14	M76	Z	4.589	4.589	0	%100
15	M77	X	-8.095	-8.095	0	%100
16	M77	Z	14.022	14.022	0	%100
17	M80	X	-8.527	-8.527	0	%100
18	M80	Z	14.769	14.769	0	%100
19	M84	X	-2.649	-2.649	0	%100
20	M84	Z	4.589	4.589	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-1.57	-1.57	0	%100
26	M25	Z	2.719	2.719	0	%100
27	M26	X	-3.985	-3.985	0	%100
28	M26	Z	6.902	6.902	0	%100
29	M27	X	-3.985	-3.985	0	%100
30	M27	Z	6.902	6.902	0	%100
31	M28	X	-7.948	-7.948	0	%100
32	M28	Z	13.767	13.767	0	%100
33	M31	X	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
34	M31	Z	0	0	%100
35	M32	X	-4.414	-4.414	0
36	M32	Z	7.644	7.644	0
37	M36	X	-2.649	-2.649	0
38	M36	Z	4.589	4.589	0
39	M37	X	0	0	0
40	M37	Z	0	0	0
41	M39	X	0	0	0
42	M39	Z	0	0	0
43	M41	X	-2.649	-2.649	0
44	M41	Z	4.589	4.589	0
45	M42	X	-8.095	-8.095	0
46	M42	Z	14.022	14.022	0
47	M44	X	-8.527	-8.527	0
48	M44	Z	14.769	14.769	0
49	M49	X	-6.279	-6.279	0
50	M49	Z	10.876	10.876	0
51	M50A	X	0	0	0
52	M50A	Z	0	0	0
53	M51C	X	0	0	0
54	M51C	Z	0	0	0
55	M52A	X	0	0	0
56	M52A	Z	0	0	0
57	M55	X	-4.414	-4.414	0
58	M55	Z	7.644	7.644	0
59	M56	X	-4.414	-4.414	0
60	M56	Z	7.644	7.644	0
61	M60	X	-10.598	-10.598	0
62	M60	Z	18.356	18.356	0
63	M61	X	-8.095	-8.095	0
64	M61	Z	14.022	14.022	0
65	M63	X	-8.527	-8.527	0
66	M63	Z	14.769	14.769	0
67	M65	X	-10.598	-10.598	0
68	M65	Z	18.356	18.356	0
69	M66	X	-8.095	-8.095	0
70	M66	Z	14.022	14.022	0
71	M68	X	-8.527	-8.527	0
72	M68	Z	14.769	14.769	0
73	M73	X	-4.636	-4.636	0
74	M73	Z	8.031	8.031	0
75	M74	X	-4.636	-4.636	0
76	M74	Z	8.031	8.031	0
77	M75	X	0	0	0
78	M75	Z	0	0	0
79	MP1A	X	-4.195	-4.195	0
80	MP1A	Z	7.266	7.266	0
81	MP2A	X	-4.195	-4.195	0
82	MP2A	Z	7.266	7.266	0
83	MP3A	X	-4.195	-4.195	0
84	MP3A	Z	7.266	7.266	0
85	MP4A	X	-4.195	-4.195	0
86	MP4A	Z	7.266	7.266	0
87	MP1C	X	-4.195	-4.195	0
88	MP1C	Z	7.266	7.266	0
89	MP2C	X	-4.195	-4.195	0
90	MP2C	Z	7.266	7.266	0
91	MP3C	X	-4.195	-4.195	0
92	MP3C	Z	7.266	7.266	0

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]	
93	MP4C	X	-4.195	-4.195	0	%100
94	MP4C	Z	7.266	7.266	0	%100
95	MP1B	X	-4.195	-4.195	0	%100
96	MP1B	Z	7.266	7.266	0	%100
97	MP2B	X	-4.195	-4.195	0	%100
98	MP2B	Z	7.266	7.266	0	%100
99	MP3B	X	-4.195	-4.195	0	%100
100	MP3B	Z	7.266	7.266	0	%100
101	MP4B	X	-4.195	-4.195	0	%100
102	MP4B	Z	7.266	7.266	0	%100
103	M101	X	-3.038	-3.038	0	%100
104	M101	Z	5.262	5.262	0	%100
105	M103	X	-3.038	-3.038	0	%100
106	M103	Z	5.262	5.262	0	%100
107	M104	X	-3.809	-3.809	0	%100
108	M104	Z	6.597	6.597	0	%100
109	M105	X	-3.809	-3.809	0	%100
110	M105	Z	6.597	6.597	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	-4.727	-4.727	0	%100
114	M125	Z	8.188	8.188	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	-4.727	-4.727	0	%100
118	M127	Z	8.188	8.188	0	%100
119	M128	X	-4.08	-4.08	0	%100
120	M128	Z	7.066	7.066	0	%100
121	M129	X	-4.08	-4.08	0	%100
122	M129	Z	7.066	7.066	0	%100
123	M130	X	-7.785	-7.785	0	%100
124	M130	Z	13.483	13.483	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]	
1	M4	X	-8.157	-8.157	0	%100
2	M4	Z	4.709	4.709	0	%100
3	M10	X	-2.301	-2.301	0	%100
4	M10	Z	1.328	1.328	0	%100
5	M43	X	-2.301	-2.301	0	%100
6	M43	Z	1.328	1.328	0	%100
7	M46	X	-4.589	-4.589	0	%100
8	M46	Z	2.649	2.649	0	%100
9	M51B	X	-10.193	-10.193	0	%100
10	M51B	Z	5.885	5.885	0	%100
11	M52B	X	-2.548	-2.548	0	%100
12	M52B	Z	1.471	1.471	0	%100
13	M76	X	-13.767	-13.767	0	%100
14	M76	Z	7.948	7.948	0	%100
15	M77	X	-18.696	-18.696	0	%100
16	M77	Z	10.794	10.794	0	%100
17	M80	X	-19.692	-19.692	0	%100
18	M80	Z	11.369	11.369	0	%100
19	M84	X	-13.767	-13.767	0	%100
20	M84	Z	7.948	7.948	0	%100
21	M85	X	-4.674	-4.674	0	%100
22	M85	Z	2.698	2.698	0	%100
23	M91	X	-4.923	-4.923	0	%100

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

Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft.%	End Location ft.%
24	M91	Z	2.842	2.842	0 %100
25	M25	X	0	0	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	-9.203	-9.203	0 %100
28	M26	Z	5.313	5.313	0 %100
29	M27	X	-9.203	-9.203	0 %100
30	M27	Z	5.313	5.313	0 %100
31	M28	X	-18.356	-18.356	0 %100
32	M28	Z	10.598	10.598	0 %100
33	M31	X	-2.548	-2.548	0 %100
34	M31	Z	1.471	1.471	0 %100
35	M32	X	-2.548	-2.548	0 %100
36	M32	Z	1.471	1.471	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	-4.674	-4.674	0 %100
40	M37	Z	2.698	2.698	0 %100
41	M39	X	-4.923	-4.923	0 %100
42	M39	Z	2.842	2.842	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	-4.674	-4.674	0 %100
46	M42	Z	2.698	2.698	0 %100
47	M44	X	-4.923	-4.923	0 %100
48	M44	Z	2.842	2.842	0 %100
49	M49	X	-8.157	-8.157	0 %100
50	M49	Z	4.709	4.709	0 %100
51	M50A	X	-2.301	-2.301	0 %100
52	M50A	Z	1.328	1.328	0 %100
53	M51C	X	-2.301	-2.301	0 %100
54	M51C	Z	1.328	1.328	0 %100
55	M52A	X	-4.589	-4.589	0 %100
56	M52A	Z	2.649	2.649	0 %100
57	M55	X	-2.548	-2.548	0 %100
58	M55	Z	1.471	1.471	0 %100
59	M56	X	-10.193	-10.193	0 %100
60	M56	Z	5.885	5.885	0 %100
61	M60	X	-13.767	-13.767	0 %100
62	M60	Z	7.948	7.948	0 %100
63	M61	X	-4.674	-4.674	0 %100
64	M61	Z	2.698	2.698	0 %100
65	M63	X	-4.923	-4.923	0 %100
66	M63	Z	2.842	2.842	0 %100
67	M65	X	-13.767	-13.767	0 %100
68	M65	Z	7.948	7.948	0 %100
69	M66	X	-18.696	-18.696	0 %100
70	M66	Z	10.794	10.794	0 %100
71	M68	X	-19.692	-19.692	0 %100
72	M68	Z	11.369	11.369	0 %100
73	M73	X	-2.677	-2.677	0 %100
74	M73	Z	1.545	1.545	0 %100
75	M74	X	-10.707	-10.707	0 %100
76	M74	Z	6.182	6.182	0 %100
77	M75	X	-2.677	-2.677	0 %100
78	M75	Z	1.545	1.545	0 %100
79	MP1A	X	-7.266	-7.266	0 %100
80	MP1A	Z	4.195	4.195	0 %100
81	MP2A	X	-7.266	-7.266	0 %100
82	MP2A	Z	4.195	4.195	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
83	MP3A	X	-7.266	-7.266	0 %100
84	MP3A	Z	4.195	4.195	0 %100
85	MP4A	X	-7.266	-7.266	0 %100
86	MP4A	Z	4.195	4.195	0 %100
87	MP1C	X	-7.266	-7.266	0 %100
88	MP1C	Z	4.195	4.195	0 %100
89	MP2C	X	-7.266	-7.266	0 %100
90	MP2C	Z	4.195	4.195	0 %100
91	MP3C	X	-7.266	-7.266	0 %100
92	MP3C	Z	4.195	4.195	0 %100
93	MP4C	X	-7.266	-7.266	0 %100
94	MP4C	Z	4.195	4.195	0 %100
95	MP1B	X	-7.266	-7.266	0 %100
96	MP1B	Z	4.195	4.195	0 %100
97	MP2B	X	-7.266	-7.266	0 %100
98	MP2B	Z	4.195	4.195	0 %100
99	MP3B	X	-7.266	-7.266	0 %100
100	MP3B	Z	4.195	4.195	0 %100
101	MP4B	X	-7.266	-7.266	0 %100
102	MP4B	Z	4.195	4.195	0 %100
103	M101	X	-5.262	-5.262	0 %100
104	M101	Z	3.038	3.038	0 %100
105	M103	X	-5.262	-5.262	0 %100
106	M103	Z	3.038	3.038	0 %100
107	M104	X	-2.199	-2.199	0 %100
108	M104	Z	1.27	1.27	0 %100
109	M105	X	-8.795	-8.795	0 %100
110	M105	Z	5.078	5.078	0 %100
111	M106	X	-2.199	-2.199	0 %100
112	M106	Z	1.27	1.27	0 %100
113	M125	X	-10.917	-10.917	0 %100
114	M125	Z	6.303	6.303	0 %100
115	M126	X	-2.729	-2.729	0 %100
116	M126	Z	1.576	1.576	0 %100
117	M127	X	-2.729	-2.729	0 %100
118	M127	Z	1.576	1.576	0 %100
119	M128	X	-11.344	-11.344	0 %100
120	M128	Z	6.55	6.55	0 %100
121	M129	X	-4.927	-4.927	0 %100
122	M129	Z	2.845	2.845	0 %100
123	M130	X	-11.344	-11.344	0 %100
124	M130	Z	6.55	6.55	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-12.558	-12.558	0 %100
2	M4	Z	0	0	0 %100
3	M10	X	0	0	0 %100
4	M10	Z	0	0	0 %100
5	M43	X	0	0	0 %100
6	M43	Z	0	0	0 %100
7	M46	X	0	0	0 %100
8	M46	Z	0	0	0 %100
9	M51B	X	-8.827	-8.827	0 %100
10	M51B	Z	0	0	0 %100
11	M52B	X	-8.827	-8.827	0 %100
12	M52B	Z	0	0	0 %100
13	M76	X	-21.195	-21.195	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
14	M76	Z	0	0	%100
15	M77	X	-16.191	-16.191	0
16	M77	Z	0	0	%100
17	M80	X	-17.053	-17.053	0
18	M80	Z	0	0	%100
19	M84	X	-21.195	-21.195	0
20	M84	Z	0	0	%100
21	M85	X	-16.191	-16.191	0
22	M85	Z	0	0	%100
23	M91	X	-17.053	-17.053	0
24	M91	Z	0	0	%100
25	M25	X	-3.14	-3.14	0
26	M25	Z	0	0	%100
27	M26	X	-7.97	-7.97	0
28	M26	Z	0	0	%100
29	M27	X	-7.97	-7.97	0
30	M27	Z	0	0	%100
31	M28	X	-15.896	-15.896	0
32	M28	Z	0	0	%100
33	M31	X	-8.827	-8.827	0
34	M31	Z	0	0	%100
35	M32	X	0	0	%100
36	M32	Z	0	0	%100
37	M36	X	-5.299	-5.299	0
38	M36	Z	0	0	%100
39	M37	X	-16.191	-16.191	0
40	M37	Z	0	0	%100
41	M39	X	-17.053	-17.053	0
42	M39	Z	0	0	%100
43	M41	X	-5.299	-5.299	0
44	M41	Z	0	0	%100
45	M42	X	0	0	%100
46	M42	Z	0	0	%100
47	M44	X	0	0	%100
48	M44	Z	0	0	%100
49	M49	X	-3.14	-3.14	0
50	M49	Z	0	0	%100
51	M50A	X	-7.97	-7.97	0
52	M50A	Z	0	0	%100
53	M51C	X	-7.97	-7.97	0
54	M51C	Z	0	0	%100
55	M52A	X	-15.896	-15.896	0
56	M52A	Z	0	0	%100
57	M55	X	0	0	%100
58	M55	Z	0	0	%100
59	M56	X	-8.827	-8.827	0
60	M56	Z	0	0	%100
61	M60	X	-5.299	-5.299	0
62	M60	Z	0	0	%100
63	M61	X	0	0	%100
64	M61	Z	0	0	%100
65	M63	X	0	0	%100
66	M63	Z	0	0	%100
67	M65	X	-5.299	-5.299	0
68	M65	Z	0	0	%100
69	M66	X	-16.191	-16.191	0
70	M66	Z	0	0	%100
71	M68	X	-17.053	-17.053	0
72	M68	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
73	M73	X	0	0	%100
74	M73	Z	0	0	%100
75	M74	X	-9.273	-9.273	%100
76	M74	Z	0	0	%100
77	M75	X	-9.273	-9.273	%100
78	M75	Z	0	0	%100
79	MP1A	X	-8.39	-8.39	%100
80	MP1A	Z	0	0	%100
81	MP2A	X	-8.39	-8.39	%100
82	MP2A	Z	0	0	%100
83	MP3A	X	-8.39	-8.39	%100
84	MP3A	Z	0	0	%100
85	MP4A	X	-8.39	-8.39	%100
86	MP4A	Z	0	0	%100
87	MP1C	X	-8.39	-8.39	%100
88	MP1C	Z	0	0	%100
89	MP2C	X	-8.39	-8.39	%100
90	MP2C	Z	0	0	%100
91	MP3C	X	-8.39	-8.39	%100
92	MP3C	Z	0	0	%100
93	MP4C	X	-8.39	-8.39	%100
94	MP4C	Z	0	0	%100
95	MP1B	X	-8.39	-8.39	%100
96	MP1B	Z	0	0	%100
97	MP2B	X	-8.39	-8.39	%100
98	MP2B	Z	0	0	%100
99	MP3B	X	-8.39	-8.39	%100
100	MP3B	Z	0	0	%100
101	MP4B	X	-8.39	-8.39	%100
102	MP4B	Z	0	0	%100
103	M101	X	-6.076	-6.076	%100
104	M101	Z	0	0	%100
105	M103	X	-6.076	-6.076	%100
106	M103	Z	0	0	%100
107	M104	X	0	0	%100
108	M104	Z	0	0	%100
109	M105	X	-7.617	-7.617	%100
110	M105	Z	0	0	%100
111	M106	X	-7.617	-7.617	%100
112	M106	Z	0	0	%100
113	M125	X	-9.455	-9.455	%100
114	M125	Z	0	0	%100
115	M126	X	-9.455	-9.455	%100
116	M126	Z	0	0	%100
117	M127	X	0	0	%100
118	M127	Z	0	0	%100
119	M128	X	-15.569	-15.569	%100
120	M128	Z	0	0	%100
121	M129	X	-8.16	-8.16	%100
122	M129	Z	0	0	%100
123	M130	X	-8.16	-8.16	%100
124	M130	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-8.157	-8.157	%100
2	M4	Z	-4.709	-4.709	%100
3	M10	X	-2.301	-2.301	%100

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

Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft.%	End Location ft.%
4	M10	Z	-1.328	-1.328	0 %100
5	M43	X	-2.301	-2.301	0 %100
6	M43	Z	-1.328	-1.328	0 %100
7	M46	X	-4.589	-4.589	0 %100
8	M46	Z	-2.649	-2.649	0 %100
9	M51B	X	-2.548	-2.548	0 %100
10	M51B	Z	-1.471	-1.471	0 %100
11	M52B	X	-10.193	-10.193	0 %100
12	M52B	Z	-5.885	-5.885	0 %100
13	M76	X	-13.767	-13.767	0 %100
14	M76	Z	-7.948	-7.948	0 %100
15	M77	X	-4.674	-4.674	0 %100
16	M77	Z	-2.698	-2.698	0 %100
17	M80	X	-4.923	-4.923	0 %100
18	M80	Z	-2.842	-2.842	0 %100
19	M84	X	-13.767	-13.767	0 %100
20	M84	Z	-7.948	-7.948	0 %100
21	M85	X	-18.696	-18.696	0 %100
22	M85	Z	-10.794	-10.794	0 %100
23	M91	X	-19.692	-19.692	0 %100
24	M91	Z	-11.369	-11.369	0 %100
25	M25	X	-8.157	-8.157	0 %100
26	M25	Z	-4.709	-4.709	0 %100
27	M26	X	-2.301	-2.301	0 %100
28	M26	Z	-1.328	-1.328	0 %100
29	M27	X	-2.301	-2.301	0 %100
30	M27	Z	-1.328	-1.328	0 %100
31	M28	X	-4.589	-4.589	0 %100
32	M28	Z	-2.649	-2.649	0 %100
33	M31	X	-10.193	-10.193	0 %100
34	M31	Z	-5.885	-5.885	0 %100
35	M32	X	-2.548	-2.548	0 %100
36	M32	Z	-1.471	-1.471	0 %100
37	M36	X	-13.767	-13.767	0 %100
38	M36	Z	-7.948	-7.948	0 %100
39	M37	X	-18.696	-18.696	0 %100
40	M37	Z	-10.794	-10.794	0 %100
41	M39	X	-19.692	-19.692	0 %100
42	M39	Z	-11.369	-11.369	0 %100
43	M41	X	-13.767	-13.767	0 %100
44	M41	Z	-7.948	-7.948	0 %100
45	M42	X	-4.674	-4.674	0 %100
46	M42	Z	-2.698	-2.698	0 %100
47	M44	X	-4.923	-4.923	0 %100
48	M44	Z	-2.842	-2.842	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	-9.203	-9.203	0 %100
52	M50A	Z	-5.313	-5.313	0 %100
53	M51C	X	-9.203	-9.203	0 %100
54	M51C	Z	-5.313	-5.313	0 %100
55	M52A	X	-18.356	-18.356	0 %100
56	M52A	Z	-10.598	-10.598	0 %100
57	M55	X	-2.548	-2.548	0 %100
58	M55	Z	-1.471	-1.471	0 %100
59	M56	X	-2.548	-2.548	0 %100
60	M56	Z	-1.471	-1.471	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	0	0	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
63	M61	X	-4.674	-4.674	0 %100
64	M61	Z	-2.698	-2.698	0 %100
65	M63	X	-4.923	-4.923	0 %100
66	M63	Z	-2.842	-2.842	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	-4.674	-4.674	0 %100
70	M66	Z	-2.698	-2.698	0 %100
71	M68	X	-4.923	-4.923	0 %100
72	M68	Z	-2.842	-2.842	0 %100
73	M73	X	-2.677	-2.677	0 %100
74	M73	Z	-1.545	-1.545	0 %100
75	M74	X	-2.677	-2.677	0 %100
76	M74	Z	-1.545	-1.545	0 %100
77	M75	X	-10.707	-10.707	0 %100
78	M75	Z	-6.182	-6.182	0 %100
79	MP1A	X	-7.266	-7.266	0 %100
80	MP1A	Z	-4.195	-4.195	0 %100
81	MP2A	X	-7.266	-7.266	0 %100
82	MP2A	Z	-4.195	-4.195	0 %100
83	MP3A	X	-7.266	-7.266	0 %100
84	MP3A	Z	-4.195	-4.195	0 %100
85	MP4A	X	-7.266	-7.266	0 %100
86	MP4A	Z	-4.195	-4.195	0 %100
87	MP1C	X	-7.266	-7.266	0 %100
88	MP1C	Z	-4.195	-4.195	0 %100
89	MP2C	X	-7.266	-7.266	0 %100
90	MP2C	Z	-4.195	-4.195	0 %100
91	MP3C	X	-7.266	-7.266	0 %100
92	MP3C	Z	-4.195	-4.195	0 %100
93	MP4C	X	-7.266	-7.266	0 %100
94	MP4C	Z	-4.195	-4.195	0 %100
95	MP1B	X	-7.266	-7.266	0 %100
96	MP1B	Z	-4.195	-4.195	0 %100
97	MP2B	X	-7.266	-7.266	0 %100
98	MP2B	Z	-4.195	-4.195	0 %100
99	MP3B	X	-7.266	-7.266	0 %100
100	MP3B	Z	-4.195	-4.195	0 %100
101	MP4B	X	-7.266	-7.266	0 %100
102	MP4B	Z	-4.195	-4.195	0 %100
103	M101	X	-5.262	-5.262	0 %100
104	M101	Z	-3.038	-3.038	0 %100
105	M103	X	-5.262	-5.262	0 %100
106	M103	Z	-3.038	-3.038	0 %100
107	M104	X	-2.199	-2.199	0 %100
108	M104	Z	-1.27	-1.27	0 %100
109	M105	X	-2.199	-2.199	0 %100
110	M105	Z	-1.27	-1.27	0 %100
111	M106	X	-8.795	-8.795	0 %100
112	M106	Z	-5.078	-5.078	0 %100
113	M125	X	-2.729	-2.729	0 %100
114	M125	Z	-1.576	-1.576	0 %100
115	M126	X	-10.917	-10.917	0 %100
116	M126	Z	-6.303	-6.303	0 %100
117	M127	X	-2.729	-2.729	0 %100
118	M127	Z	-1.576	-1.576	0 %100
119	M128	X	-11.344	-11.344	0 %100
120	M128	Z	-6.55	-6.55	0 %100
121	M129	X	-11.344	-11.344	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
122	M129	Z	-6.55	-6.55	0	%100
123	M130	X	-4.927	-4.927	0	%100
124	M130	Z	-2.845	-2.845	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-1.57	-1.57	0	%100
2	M4	Z	-2.719	-2.719	0	%100
3	M10	X	-3.985	-3.985	0	%100
4	M10	Z	-6.902	-6.902	0	%100
5	M43	X	-3.985	-3.985	0	%100
6	M43	Z	-6.902	-6.902	0	%100
7	M46	X	-7.948	-7.948	0	%100
8	M46	Z	-13.767	-13.767	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-4.414	-4.414	0	%100
12	M52B	Z	-7.644	-7.644	0	%100
13	M76	X	-2.649	-2.649	0	%100
14	M76	Z	-4.589	-4.589	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-2.649	-2.649	0	%100
20	M84	Z	-4.589	-4.589	0	%100
21	M85	X	-8.095	-8.095	0	%100
22	M85	Z	-14.022	-14.022	0	%100
23	M91	X	-8.527	-8.527	0	%100
24	M91	Z	-14.769	-14.769	0	%100
25	M25	X	-6.279	-6.279	0	%100
26	M25	Z	-10.876	-10.876	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-4.414	-4.414	0	%100
34	M31	Z	-7.644	-7.644	0	%100
35	M32	X	-4.414	-4.414	0	%100
36	M32	Z	-7.644	-7.644	0	%100
37	M36	X	-10.598	-10.598	0	%100
38	M36	Z	-18.356	-18.356	0	%100
39	M37	X	-8.095	-8.095	0	%100
40	M37	Z	-14.022	-14.022	0	%100
41	M39	X	-8.527	-8.527	0	%100
42	M39	Z	-14.769	-14.769	0	%100
43	M41	X	-10.598	-10.598	0	%100
44	M41	Z	-18.356	-18.356	0	%100
45	M42	X	-8.095	-8.095	0	%100
46	M42	Z	-14.022	-14.022	0	%100
47	M44	X	-8.527	-8.527	0	%100
48	M44	Z	-14.769	-14.769	0	%100
49	M49	X	-1.57	-1.57	0	%100
50	M49	Z	-2.719	-2.719	0	%100
51	M50A	X	-3.985	-3.985	0	%100
52	M50A	Z	-6.902	-6.902	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
53	M51C	X	-3.985	-3.985	0 %100
54	M51C	Z	-6.902	-6.902	0 %100
55	M52A	X	-7.948	-7.948	0 %100
56	M52A	Z	-13.767	-13.767	0 %100
57	M55	X	-4.414	-4.414	0 %100
58	M55	Z	-7.644	-7.644	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	-2.649	-2.649	0 %100
62	M60	Z	-4.589	-4.589	0 %100
63	M61	X	-8.095	-8.095	0 %100
64	M61	Z	-14.022	-14.022	0 %100
65	M63	X	-8.527	-8.527	0 %100
66	M63	Z	-14.769	-14.769	0 %100
67	M65	X	-2.649	-2.649	0 %100
68	M65	Z	-4.589	-4.589	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	-4.636	-4.636	0 %100
74	M73	Z	-8.031	-8.031	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	-4.636	-4.636	0 %100
78	M75	Z	-8.031	-8.031	0 %100
79	MP1A	X	-4.195	-4.195	0 %100
80	MP1A	Z	-7.266	-7.266	0 %100
81	MP2A	X	-4.195	-4.195	0 %100
82	MP2A	Z	-7.266	-7.266	0 %100
83	MP3A	X	-4.195	-4.195	0 %100
84	MP3A	Z	-7.266	-7.266	0 %100
85	MP4A	X	-4.195	-4.195	0 %100
86	MP4A	Z	-7.266	-7.266	0 %100
87	MP1C	X	-4.195	-4.195	0 %100
88	MP1C	Z	-7.266	-7.266	0 %100
89	MP2C	X	-4.195	-4.195	0 %100
90	MP2C	Z	-7.266	-7.266	0 %100
91	MP3C	X	-4.195	-4.195	0 %100
92	MP3C	Z	-7.266	-7.266	0 %100
93	MP4C	X	-4.195	-4.195	0 %100
94	MP4C	Z	-7.266	-7.266	0 %100
95	MP1B	X	-4.195	-4.195	0 %100
96	MP1B	Z	-7.266	-7.266	0 %100
97	MP2B	X	-4.195	-4.195	0 %100
98	MP2B	Z	-7.266	-7.266	0 %100
99	MP3B	X	-4.195	-4.195	0 %100
100	MP3B	Z	-7.266	-7.266	0 %100
101	MP4B	X	-4.195	-4.195	0 %100
102	MP4B	Z	-7.266	-7.266	0 %100
103	M101	X	-3.038	-3.038	0 %100
104	M101	Z	-5.262	-5.262	0 %100
105	M103	X	-3.038	-3.038	0 %100
106	M103	Z	-5.262	-5.262	0 %100
107	M104	X	-3.809	-3.809	0 %100
108	M104	Z	-6.597	-6.597	0 %100
109	M105	X	0	0	0 %100
110	M105	Z	0	0	0 %100
111	M106	X	-3.809	-3.809	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
112	M106	Z	-6.597	-6.597	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	-4.727	-4.727	0	%100
116	M126	Z	-8.188	-8.188	0	%100
117	M127	X	-4.727	-4.727	0	%100
118	M127	Z	-8.188	-8.188	0	%100
119	M128	X	-4.08	-4.08	0	%100
120	M128	Z	-7.066	-7.066	0	%100
121	M129	X	-7.785	-7.785	0	%100
122	M129	Z	-13.483	-13.483	0	%100
123	M130	X	-4.08	-4.08	0	%100
124	M130	Z	-7.066	-7.066	0	%100

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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-3.324	-3.324	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-3.324	-3.324	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-4.976	-4.976	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.942	-.942	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.942	-.942	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-1.251	-1.251	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-1.302	-1.302	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-1.251	-1.251	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-1.302	-1.302	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-3.032	-3.032	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.831	-.831	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.831	-.831	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-1.244	-1.244	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-.942	-.942	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-3.766	-3.766	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-3.701	-3.701	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-1.251	-1.251	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-1.302	-1.302	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
43	M41	X	0	0	%100
44	M41	Z	-3.701	-3.701	%100
45	M42	X	0	0	%100
46	M42	Z	-5.003	-5.003	%100
47	M44	X	0	0	%100
48	M44	Z	-5.207	-5.207	%100
49	M49	X	0	0	%100
50	M49	Z	-3.032	-3.032	%100
51	M50A	X	0	0	%100
52	M50A	Z	-.831	-.831	%100
53	M51C	X	0	0	%100
54	M51C	Z	-.831	-.831	%100
55	M52A	X	0	0	%100
56	M52A	Z	-1.244	-1.244	%100
57	M55	X	0	0	%100
58	M55	Z	-3.766	-3.766	%100
59	M56	X	0	0	%100
60	M56	Z	-.942	-.942	%100
61	M60	X	0	0	%100
62	M60	Z	-3.701	-3.701	%100
63	M61	X	0	0	%100
64	M61	Z	-5.003	-5.003	%100
65	M63	X	0	0	%100
66	M63	Z	-5.207	-5.207	%100
67	M65	X	0	0	%100
68	M65	Z	-3.701	-3.701	%100
69	M66	X	0	0	%100
70	M66	Z	-1.251	-1.251	%100
71	M68	X	0	0	%100
72	M68	Z	-1.302	-1.302	%100
73	M73	X	0	0	%100
74	M73	Z	-4.298	-4.298	%100
75	M74	X	0	0	%100
76	M74	Z	-1.075	-1.075	%100
77	M75	X	0	0	%100
78	M75	Z	-1.075	-1.075	%100
79	MP1A	X	0	0	%100
80	MP1A	Z	-3.43	-3.43	%100
81	MP2A	X	0	0	%100
82	MP2A	Z	-3.566	-3.566	%100
83	MP3A	X	0	0	%100
84	MP3A	Z	-3.566	-3.566	%100
85	MP4A	X	0	0	%100
86	MP4A	Z	-3.43	-3.43	%100
87	MP1C	X	0	0	%100
88	MP1C	Z	-3.43	-3.43	%100
89	MP2C	X	0	0	%100
90	MP2C	Z	-3.566	-3.566	%100
91	MP3C	X	0	0	%100
92	MP3C	Z	-3.566	-3.566	%100
93	MP4C	X	0	0	%100
94	MP4C	Z	-3.43	-3.43	%100
95	MP1B	X	0	0	%100
96	MP1B	Z	-3.43	-3.43	%100
97	MP2B	X	0	0	%100
98	MP2B	Z	-3.566	-3.566	%100
99	MP3B	X	0	0	%100
100	MP3B	Z	-3.566	-3.566	%100
101	MP4B	X	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
102	MP4B	Z	-3.43	-3.43	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	-2.483	-2.483	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	-2.483	-2.483	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	-3.915	-3.915	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	-.979	-.979	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	-.979	-.979	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	-.903	-.903	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	-.903	-.903	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-3.611	-3.611	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-1.341	-1.341	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	-3.686	-3.686	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	-3.686	-3.686	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.505	.505	0	%100
2	M4	Z	-.875	-.875	0	%100
3	M10	X	1.247	1.247	0	%100
4	M10	Z	-2.159	-2.159	0	%100
5	M43	X	1.247	1.247	0	%100
6	M43	Z	-2.159	-2.159	0	%100
7	M46	X	1.866	1.866	0	%100
8	M46	Z	-3.232	-3.232	0	%100
9	M51B	X	1.412	1.412	0	%100
10	M51B	Z	-2.446	-2.446	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.617	.617	0	%100
14	M76	Z	-1.068	-1.068	0	%100
15	M77	X	1.876	1.876	0	%100
16	M77	Z	-3.25	-3.25	0	%100
17	M80	X	1.953	1.953	0	%100
18	M80	Z	-3.382	-3.382	0	%100
19	M84	X	.617	.617	0	%100
20	M84	Z	-1.068	-1.068	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.505	.505	0	%100
26	M25	Z	-.875	-.875	0	%100
27	M26	X	1.247	1.247	0	%100
28	M26	Z	-2.159	-2.159	0	%100
29	M27	X	1.247	1.247	0	%100
30	M27	Z	-2.159	-2.159	0	%100
31	M28	X	1.866	1.866	0	%100
32	M28	Z	-3.232	-3.232	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]	
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	1.412	1.412	0	%100
36	M32	Z	-2.446	-2.446	0	%100
37	M36	X	.617	.617	0	%100
38	M36	Z	-1.068	-1.068	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.617	.617	0	%100
44	M41	Z	-1.068	-1.068	0	%100
45	M42	X	1.876	1.876	0	%100
46	M42	Z	-3.25	-3.25	0	%100
47	M44	X	1.953	1.953	0	%100
48	M44	Z	-3.382	-3.382	0	%100
49	M49	X	2.021	2.021	0	%100
50	M49	Z	-3.501	-3.501	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	1.412	1.412	0	%100
58	M55	Z	-2.446	-2.446	0	%100
59	M56	X	1.412	1.412	0	%100
60	M56	Z	-2.446	-2.446	0	%100
61	M60	X	2.467	2.467	0	%100
62	M60	Z	-4.274	-4.274	0	%100
63	M61	X	1.876	1.876	0	%100
64	M61	Z	-3.25	-3.25	0	%100
65	M63	X	1.953	1.953	0	%100
66	M63	Z	-3.382	-3.382	0	%100
67	M65	X	2.467	2.467	0	%100
68	M65	Z	-4.274	-4.274	0	%100
69	M66	X	1.876	1.876	0	%100
70	M66	Z	-3.25	-3.25	0	%100
71	M68	X	1.953	1.953	0	%100
72	M68	Z	-3.382	-3.382	0	%100
73	M73	X	1.612	1.612	0	%100
74	M73	Z	-2.792	-2.792	0	%100
75	M74	X	1.612	1.612	0	%100
76	M74	Z	-2.792	-2.792	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	1.715	1.715	0	%100
80	MP1A	Z	-2.97	-2.97	0	%100
81	MP2A	X	1.783	1.783	0	%100
82	MP2A	Z	-3.088	-3.088	0	%100
83	MP3A	X	1.783	1.783	0	%100
84	MP3A	Z	-3.088	-3.088	0	%100
85	MP4A	X	1.715	1.715	0	%100
86	MP4A	Z	-2.97	-2.97	0	%100
87	MP1C	X	1.715	1.715	0	%100
88	MP1C	Z	-2.97	-2.97	0	%100
89	MP2C	X	1.783	1.783	0	%100
90	MP2C	Z	-3.088	-3.088	0	%100
91	MP3C	X	1.783	1.783	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
92	MP3C	Z	-3.088	-3.088	0	%100
93	MP4C	X	1.715	1.715	0	%100
94	MP4C	Z	-2.97	-2.97	0	%100
95	MP1B	X	1.715	1.715	0	%100
96	MP1B	Z	-2.97	-2.97	0	%100
97	MP2B	X	1.783	1.783	0	%100
98	MP2B	Z	-3.088	-3.088	0	%100
99	MP3B	X	1.783	1.783	0	%100
100	MP3B	Z	-3.088	-3.088	0	%100
101	MP4B	X	1.715	1.715	0	%100
102	MP4B	Z	-2.97	-2.97	0	%100
103	M101	X	1.241	1.241	0	%100
104	M101	Z	-2.15	-2.15	0	%100
105	M103	X	1.241	1.241	0	%100
106	M103	Z	-2.15	-2.15	0	%100
107	M104	X	1.468	1.468	0	%100
108	M104	Z	-2.543	-2.543	0	%100
109	M105	X	1.468	1.468	0	%100
110	M105	Z	-2.543	-2.543	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	1.354	1.354	0	%100
114	M125	Z	-2.345	-2.345	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	1.354	1.354	0	%100
118	M127	Z	-2.345	-2.345	0	%100
119	M128	X	1.061	1.061	0	%100
120	M128	Z	-1.838	-1.838	0	%100
121	M129	X	1.061	1.061	0	%100
122	M129	Z	-1.838	-1.838	0	%100
123	M130	X	2.234	2.234	0	%100
124	M130	Z	-3.869	-3.869	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	2.626	2.626	0	%100
2	M4	Z	-1.516	-1.516	0	%100
3	M10	X	.72	.72	0	%100
4	M10	Z	-.416	-.416	0	%100
5	M43	X	.72	.72	0	%100
6	M43	Z	-.416	-.416	0	%100
7	M46	X	1.077	1.077	0	%100
8	M46	Z	-.622	-.622	0	%100
9	M51B	X	3.262	3.262	0	%100
10	M51B	Z	-1.883	-1.883	0	%100
11	M52B	X	.815	.815	0	%100
12	M52B	Z	-.471	-.471	0	%100
13	M76	X	3.205	3.205	0	%100
14	M76	Z	-1.851	-1.851	0	%100
15	M77	X	4.333	4.333	0	%100
16	M77	Z	-2.502	-2.502	0	%100
17	M80	X	4.51	4.51	0	%100
18	M80	Z	-2.604	-2.604	0	%100
19	M84	X	3.205	3.205	0	%100
20	M84	Z	-1.851	-1.851	0	%100
21	M85	X	1.083	1.083	0	%100
22	M85	Z	-.625	-.625	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
23	M91	X	1.127	1.127	0 %100
24	M91	Z	-.651	-.651	0 %100
25	M25	X	0	0	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	2.879	2.879	0 %100
28	M26	Z	-1.662	-1.662	0 %100
29	M27	X	2.879	2.879	0 %100
30	M27	Z	-1.662	-1.662	0 %100
31	M28	X	4.309	4.309	0 %100
32	M28	Z	-2.488	-2.488	0 %100
33	M31	X	.815	.815	0 %100
34	M31	Z	-.471	-.471	0 %100
35	M32	X	.815	.815	0 %100
36	M32	Z	-.471	-.471	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	1.083	1.083	0 %100
40	M37	Z	-.625	-.625	0 %100
41	M39	X	1.127	1.127	0 %100
42	M39	Z	-.651	-.651	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	1.083	1.083	0 %100
46	M42	Z	-.625	-.625	0 %100
47	M44	X	1.127	1.127	0 %100
48	M44	Z	-.651	-.651	0 %100
49	M49	X	2.626	2.626	0 %100
50	M49	Z	-1.516	-1.516	0 %100
51	M50A	X	.72	.72	0 %100
52	M50A	Z	-.416	-.416	0 %100
53	M51C	X	.72	.72	0 %100
54	M51C	Z	-.416	-.416	0 %100
55	M52A	X	1.077	1.077	0 %100
56	M52A	Z	-.622	-.622	0 %100
57	M55	X	.815	.815	0 %100
58	M55	Z	-.471	-.471	0 %100
59	M56	X	3.262	3.262	0 %100
60	M56	Z	-1.883	-1.883	0 %100
61	M60	X	3.205	3.205	0 %100
62	M60	Z	-1.851	-1.851	0 %100
63	M61	X	1.083	1.083	0 %100
64	M61	Z	-.625	-.625	0 %100
65	M63	X	1.127	1.127	0 %100
66	M63	Z	-.651	-.651	0 %100
67	M65	X	3.205	3.205	0 %100
68	M65	Z	-1.851	-1.851	0 %100
69	M66	X	4.333	4.333	0 %100
70	M66	Z	-2.502	-2.502	0 %100
71	M68	X	4.51	4.51	0 %100
72	M68	Z	-2.604	-2.604	0 %100
73	M73	X	.931	.931	0 %100
74	M73	Z	-.537	-.537	0 %100
75	M74	X	3.722	3.722	0 %100
76	M74	Z	-2.149	-2.149	0 %100
77	M75	X	.931	.931	0 %100
78	M75	Z	-.537	-.537	0 %100
79	MP1A	X	2.97	2.97	0 %100
80	MP1A	Z	-1.715	-1.715	0 %100
81	MP2A	X	3.088	3.088	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
82	MP2A	Z	-1.783	-1.783	0	%100
83	MP3A	X	3.088	3.088	0	%100
84	MP3A	Z	-1.783	-1.783	0	%100
85	MP4A	X	2.97	2.97	0	%100
86	MP4A	Z	-1.715	-1.715	0	%100
87	MP1C	X	2.97	2.97	0	%100
88	MP1C	Z	-1.715	-1.715	0	%100
89	MP2C	X	3.088	3.088	0	%100
90	MP2C	Z	-1.783	-1.783	0	%100
91	MP3C	X	3.088	3.088	0	%100
92	MP3C	Z	-1.783	-1.783	0	%100
93	MP4C	X	2.97	2.97	0	%100
94	MP4C	Z	-1.715	-1.715	0	%100
95	MP1B	X	2.97	2.97	0	%100
96	MP1B	Z	-1.715	-1.715	0	%100
97	MP2B	X	3.088	3.088	0	%100
98	MP2B	Z	-1.783	-1.783	0	%100
99	MP3B	X	3.088	3.088	0	%100
100	MP3B	Z	-1.783	-1.783	0	%100
101	MP4B	X	2.97	2.97	0	%100
102	MP4B	Z	-1.715	-1.715	0	%100
103	M101	X	2.15	2.15	0	%100
104	M101	Z	-1.241	-1.241	0	%100
105	M103	X	2.15	2.15	0	%100
106	M103	Z	-1.241	-1.241	0	%100
107	M104	X	.848	.848	0	%100
108	M104	Z	-.489	-.489	0	%100
109	M105	X	3.39	3.39	0	%100
110	M105	Z	-1.958	-1.958	0	%100
111	M106	X	.848	.848	0	%100
112	M106	Z	-.489	-.489	0	%100
113	M125	X	3.127	3.127	0	%100
114	M125	Z	-1.805	-1.805	0	%100
115	M126	X	.782	.782	0	%100
116	M126	Z	-.451	-.451	0	%100
117	M127	X	.782	.782	0	%100
118	M127	Z	-.451	-.451	0	%100
119	M128	X	3.192	3.192	0	%100
120	M128	Z	-1.843	-1.843	0	%100
121	M129	X	1.161	1.161	0	%100
122	M129	Z	-.67	-.67	0	%100
123	M130	X	3.192	3.192	0	%100
124	M130	Z	-1.843	-1.843	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	4.043	4.043	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	2.825	2.825	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	2.825	2.825	0	%100
12	M52B	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....	Start Location[ft.%]	End Location[ft.%]
13	M76	X	4.935	4.935	0 %100
14	M76	Z	0	0	0 %100
15	M77	X	3.752	3.752	0 %100
16	M77	Z	0	0	0 %100
17	M80	X	3.905	3.905	0 %100
18	M80	Z	0	0	0 %100
19	M84	X	4.935	4.935	0 %100
20	M84	Z	0	0	0 %100
21	M85	X	3.752	3.752	0 %100
22	M85	Z	0	0	0 %100
23	M91	X	3.905	3.905	0 %100
24	M91	Z	0	0	0 %100
25	M25	X	1.011	1.011	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	2.493	2.493	0 %100
28	M26	Z	0	0	0 %100
29	M27	X	2.493	2.493	0 %100
30	M27	Z	0	0	0 %100
31	M28	X	3.732	3.732	0 %100
32	M28	Z	0	0	0 %100
33	M31	X	2.825	2.825	0 %100
34	M31	Z	0	0	0 %100
35	M32	X	0	0	0 %100
36	M32	Z	0	0	0 %100
37	M36	X	1.234	1.234	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	3.752	3.752	0 %100
40	M37	Z	0	0	0 %100
41	M39	X	3.905	3.905	0 %100
42	M39	Z	0	0	0 %100
43	M41	X	1.234	1.234	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	0	0	0 %100
46	M42	Z	0	0	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	0	0	0 %100
49	M49	X	1.011	1.011	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	2.493	2.493	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	2.493	2.493	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	3.732	3.732	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	0	0	0 %100
58	M55	Z	0	0	0 %100
59	M56	X	2.825	2.825	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	1.234	1.234	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	0	0	0 %100
64	M61	Z	0	0	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	0	0	0 %100
67	M65	X	1.234	1.234	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	3.752	3.752	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	3.905	3.905	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	3.224	3.224	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	3.224	3.224	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	3.43	3.43	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	3.566	3.566	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	3.566	3.566	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	3.43	3.43	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	3.43	3.43	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	3.566	3.566	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	3.566	3.566	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	3.43	3.43	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	3.43	3.43	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	3.566	3.566	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	3.566	3.566	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	3.43	3.43	0	%100
102	MP4B	Z	0	0	0	%100
103	M101	X	2.483	2.483	0	%100
104	M101	Z	0	0	0	%100
105	M103	X	2.483	2.483	0	%100
106	M103	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M105	X	2.936	2.936	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	2.936	2.936	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	2.708	2.708	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	2.708	2.708	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	4.468	4.468	0	%100
120	M128	Z	0	0	0	%100
121	M129	X	2.123	2.123	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	2.123	2.123	0	%100
124	M130	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....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	2.626	2.626	0	%100
2	M4	Z	1.516	1.516	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
3	M10	X	.72	.72	0 %100
4	M10	Z	.416	.416	0 %100
5	M43	X	.72	.72	0 %100
6	M43	Z	.416	.416	0 %100
7	M46	X	1.077	1.077	0 %100
8	M46	Z	.622	.622	0 %100
9	M51B	X	.815	.815	0 %100
10	M51B	Z	.471	.471	0 %100
11	M52B	X	3.262	3.262	0 %100
12	M52B	Z	1.883	1.883	0 %100
13	M76	X	3.205	3.205	0 %100
14	M76	Z	1.851	1.851	0 %100
15	M77	X	1.083	1.083	0 %100
16	M77	Z	.625	.625	0 %100
17	M80	X	1.127	1.127	0 %100
18	M80	Z	.651	.651	0 %100
19	M84	X	3.205	3.205	0 %100
20	M84	Z	1.851	1.851	0 %100
21	M85	X	4.333	4.333	0 %100
22	M85	Z	2.502	2.502	0 %100
23	M91	X	4.51	4.51	0 %100
24	M91	Z	2.604	2.604	0 %100
25	M25	X	2.626	2.626	0 %100
26	M25	Z	1.516	1.516	0 %100
27	M26	X	.72	.72	0 %100
28	M26	Z	.416	.416	0 %100
29	M27	X	.72	.72	0 %100
30	M27	Z	.416	.416	0 %100
31	M28	X	1.077	1.077	0 %100
32	M28	Z	.622	.622	0 %100
33	M31	X	3.262	3.262	0 %100
34	M31	Z	1.883	1.883	0 %100
35	M32	X	.815	.815	0 %100
36	M32	Z	.471	.471	0 %100
37	M36	X	3.205	3.205	0 %100
38	M36	Z	1.851	1.851	0 %100
39	M37	X	4.333	4.333	0 %100
40	M37	Z	2.502	2.502	0 %100
41	M39	X	4.51	4.51	0 %100
42	M39	Z	2.604	2.604	0 %100
43	M41	X	3.205	3.205	0 %100
44	M41	Z	1.851	1.851	0 %100
45	M42	X	1.083	1.083	0 %100
46	M42	Z	.625	.625	0 %100
47	M44	X	1.127	1.127	0 %100
48	M44	Z	.651	.651	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	2.879	2.879	0 %100
52	M50A	Z	1.662	1.662	0 %100
53	M51C	X	2.879	2.879	0 %100
54	M51C	Z	1.662	1.662	0 %100
55	M52A	X	4.309	4.309	0 %100
56	M52A	Z	2.488	2.488	0 %100
57	M55	X	.815	.815	0 %100
58	M55	Z	.471	.471	0 %100
59	M56	X	.815	.815	0 %100
60	M56	Z	.471	.471	0 %100
61	M60	X	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....]	Start Location[ft.%]	End Location[ft.%]
62	M60	Z	0	0	%100
63	M61	X	1.083	1.083	0
64	M61	Z	.625	.625	0
65	M63	X	1.127	1.127	0
66	M63	Z	.651	.651	0
67	M65	X	0	0	0
68	M65	Z	0	0	0
69	M66	X	1.083	1.083	0
70	M66	Z	.625	.625	0
71	M68	X	1.127	1.127	0
72	M68	Z	.651	.651	0
73	M73	X	.931	.931	0
74	M73	Z	.537	.537	0
75	M74	X	.931	.931	0
76	M74	Z	.537	.537	0
77	M75	X	3.722	3.722	0
78	M75	Z	2.149	2.149	0
79	MP1A	X	2.97	2.97	0
80	MP1A	Z	1.715	1.715	0
81	MP2A	X	3.088	3.088	0
82	MP2A	Z	1.783	1.783	0
83	MP3A	X	3.088	3.088	0
84	MP3A	Z	1.783	1.783	0
85	MP4A	X	2.97	2.97	0
86	MP4A	Z	1.715	1.715	0
87	MP1C	X	2.97	2.97	0
88	MP1C	Z	1.715	1.715	0
89	MP2C	X	3.088	3.088	0
90	MP2C	Z	1.783	1.783	0
91	MP3C	X	3.088	3.088	0
92	MP3C	Z	1.783	1.783	0
93	MP4C	X	2.97	2.97	0
94	MP4C	Z	1.715	1.715	0
95	MP1B	X	2.97	2.97	0
96	MP1B	Z	1.715	1.715	0
97	MP2B	X	3.088	3.088	0
98	MP2B	Z	1.783	1.783	0
99	MP3B	X	3.088	3.088	0
100	MP3B	Z	1.783	1.783	0
101	MP4B	X	2.97	2.97	0
102	MP4B	Z	1.715	1.715	0
103	M101	X	2.15	2.15	0
104	M101	Z	1.241	1.241	0
105	M103	X	2.15	2.15	0
106	M103	Z	1.241	1.241	0
107	M104	X	.848	.848	0
108	M104	Z	.489	.489	0
109	M105	X	.848	.848	0
110	M105	Z	.489	.489	0
111	M106	X	3.39	3.39	0
112	M106	Z	1.958	1.958	0
113	M125	X	.782	.782	0
114	M125	Z	.451	.451	0
115	M126	X	3.127	3.127	0
116	M126	Z	1.805	1.805	0
117	M127	X	.782	.782	0
118	M127	Z	.451	.451	0
119	M128	X	3.192	3.192	0
120	M128	Z	1.843	1.843	0

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
121	M129	X	3.192	3.192	0	%100
122	M129	Z	1.843	1.843	0	%100
123	M130	X	1.161	1.161	0	%100
124	M130	Z	.67	.67	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.505	.505	0	%100
2	M4	Z	.875	.875	0	%100
3	M10	X	1.247	1.247	0	%100
4	M10	Z	2.159	2.159	0	%100
5	M43	X	1.247	1.247	0	%100
6	M43	Z	2.159	2.159	0	%100
7	M46	X	1.866	1.866	0	%100
8	M46	Z	3.232	3.232	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	1.412	1.412	0	%100
12	M52B	Z	2.446	2.446	0	%100
13	M76	X	.617	.617	0	%100
14	M76	Z	1.068	1.068	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.617	.617	0	%100
20	M84	Z	1.068	1.068	0	%100
21	M85	X	1.876	1.876	0	%100
22	M85	Z	3.25	3.25	0	%100
23	M91	X	1.953	1.953	0	%100
24	M91	Z	3.382	3.382	0	%100
25	M25	X	2.021	2.021	0	%100
26	M25	Z	3.501	3.501	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	1.412	1.412	0	%100
34	M31	Z	2.446	2.446	0	%100
35	M32	X	1.412	1.412	0	%100
36	M32	Z	2.446	2.446	0	%100
37	M36	X	2.467	2.467	0	%100
38	M36	Z	4.274	4.274	0	%100
39	M37	X	1.876	1.876	0	%100
40	M37	Z	3.25	3.25	0	%100
41	M39	X	1.953	1.953	0	%100
42	M39	Z	3.382	3.382	0	%100
43	M41	X	2.467	2.467	0	%100
44	M41	Z	4.274	4.274	0	%100
45	M42	X	1.876	1.876	0	%100
46	M42	Z	3.25	3.25	0	%100
47	M44	X	1.953	1.953	0	%100
48	M44	Z	3.382	3.382	0	%100
49	M49	X	.505	.505	0	%100
50	M49	Z	.875	.875	0	%100
51	M50A	X	1.247	1.247	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
52	M50A	Z	2.159	2.159	0 %100
53	M51C	X	1.247	1.247	0 %100
54	M51C	Z	2.159	2.159	0 %100
55	M52A	X	1.866	1.866	0 %100
56	M52A	Z	3.232	3.232	0 %100
57	M55	X	1.412	1.412	0 %100
58	M55	Z	2.446	2.446	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	.617	.617	0 %100
62	M60	Z	1.068	1.068	0 %100
63	M61	X	1.876	1.876	0 %100
64	M61	Z	3.25	3.25	0 %100
65	M63	X	1.953	1.953	0 %100
66	M63	Z	3.382	3.382	0 %100
67	M65	X	.617	.617	0 %100
68	M65	Z	1.068	1.068	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	1.612	1.612	0 %100
74	M73	Z	2.792	2.792	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	1.612	1.612	0 %100
78	M75	Z	2.792	2.792	0 %100
79	MP1A	X	1.715	1.715	0 %100
80	MP1A	Z	2.97	2.97	0 %100
81	MP2A	X	1.783	1.783	0 %100
82	MP2A	Z	3.088	3.088	0 %100
83	MP3A	X	1.783	1.783	0 %100
84	MP3A	Z	3.088	3.088	0 %100
85	MP4A	X	1.715	1.715	0 %100
86	MP4A	Z	2.97	2.97	0 %100
87	MP1C	X	1.715	1.715	0 %100
88	MP1C	Z	2.97	2.97	0 %100
89	MP2C	X	1.783	1.783	0 %100
90	MP2C	Z	3.088	3.088	0 %100
91	MP3C	X	1.783	1.783	0 %100
92	MP3C	Z	3.088	3.088	0 %100
93	MP4C	X	1.715	1.715	0 %100
94	MP4C	Z	2.97	2.97	0 %100
95	MP1B	X	1.715	1.715	0 %100
96	MP1B	Z	2.97	2.97	0 %100
97	MP2B	X	1.783	1.783	0 %100
98	MP2B	Z	3.088	3.088	0 %100
99	MP3B	X	1.783	1.783	0 %100
100	MP3B	Z	3.088	3.088	0 %100
101	MP4B	X	1.715	1.715	0 %100
102	MP4B	Z	2.97	2.97	0 %100
103	M101	X	1.241	1.241	0 %100
104	M101	Z	2.15	2.15	0 %100
105	M103	X	1.241	1.241	0 %100
106	M103	Z	2.15	2.15	0 %100
107	M104	X	1.468	1.468	0 %100
108	M104	Z	2.543	2.543	0 %100
109	M105	X	0	0	0 %100
110	M105	Z	0	0	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
111	M106	X	1.468	1.468	0	%100
112	M106	Z	2.543	2.543	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	1.354	1.354	0	%100
116	M126	Z	2.345	2.345	0	%100
117	M127	X	1.354	1.354	0	%100
118	M127	Z	2.345	2.345	0	%100
119	M128	X	1.061	1.061	0	%100
120	M128	Z	1.838	1.838	0	%100
121	M129	X	2.234	2.234	0	%100
122	M129	Z	3.869	3.869	0	%100
123	M130	X	1.061	1.061	0	%100
124	M130	Z	1.838	1.838	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	3.324	3.324	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	3.324	3.324	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	4.976	4.976	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.942	.942	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.942	.942	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	1.251	1.251	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	1.302	1.302	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	1.251	1.251	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	1.302	1.302	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	3.032	3.032	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.831	.831	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.831	.831	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	1.244	1.244	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.942	.942	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	3.766	3.766	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	3.701	3.701	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	1.251	1.251	0	%100
41	M39	X	0	0	0	%100

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

Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft.%	End Location ft.%
42	M39	Z	1.302	1.302	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	3.701	3.701	0 %100
45	M42	X	0	0	0 %100
46	M42	Z	5.003	5.003	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	5.207	5.207	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	3.032	3.032	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	.831	.831	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	.831	.831	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	1.244	1.244	0 %100
57	M55	X	0	0	0 %100
58	M55	Z	3.766	3.766	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	.942	.942	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	3.701	3.701	0 %100
63	M61	X	0	0	0 %100
64	M61	Z	5.003	5.003	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	5.207	5.207	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	3.701	3.701	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	1.251	1.251	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	1.302	1.302	0 %100
73	M73	X	0	0	0 %100
74	M73	Z	4.298	4.298	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	1.075	1.075	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	1.075	1.075	0 %100
79	MP1A	X	0	0	0 %100
80	MP1A	Z	3.43	3.43	0 %100
81	MP2A	X	0	0	0 %100
82	MP2A	Z	3.566	3.566	0 %100
83	MP3A	X	0	0	0 %100
84	MP3A	Z	3.566	3.566	0 %100
85	MP4A	X	0	0	0 %100
86	MP4A	Z	3.43	3.43	0 %100
87	MP1C	X	0	0	0 %100
88	MP1C	Z	3.43	3.43	0 %100
89	MP2C	X	0	0	0 %100
90	MP2C	Z	3.566	3.566	0 %100
91	MP3C	X	0	0	0 %100
92	MP3C	Z	3.566	3.566	0 %100
93	MP4C	X	0	0	0 %100
94	MP4C	Z	3.43	3.43	0 %100
95	MP1B	X	0	0	0 %100
96	MP1B	Z	3.43	3.43	0 %100
97	MP2B	X	0	0	0 %100
98	MP2B	Z	3.566	3.566	0 %100
99	MP3B	X	0	0	0 %100
100	MP3B	Z	3.566	3.566	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
101	MP4B	X	0	0	%100
102	MP4B	Z	3.43	3.43	%100
103	M101	X	0	0	%100
104	M101	Z	2.483	2.483	%100
105	M103	X	0	0	%100
106	M103	Z	2.483	2.483	%100
107	M104	X	0	0	%100
108	M104	Z	3.915	3.915	%100
109	M105	X	0	0	%100
110	M105	Z	.979	.979	%100
111	M106	X	0	0	%100
112	M106	Z	.979	.979	%100
113	M125	X	0	0	%100
114	M125	Z	.903	.903	%100
115	M126	X	0	0	%100
116	M126	Z	.903	.903	%100
117	M127	X	0	0	%100
118	M127	Z	3.611	3.611	%100
119	M128	X	0	0	%100
120	M128	Z	1.341	1.341	%100
121	M129	X	0	0	%100
122	M129	Z	3.686	3.686	%100
123	M130	X	0	0	%100
124	M130	Z	3.686	3.686	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-.505	-.505	%100
2	M4	Z	.875	.875	%100
3	M10	X	-1.247	-1.247	%100
4	M10	Z	2.159	2.159	%100
5	M43	X	-1.247	-1.247	%100
6	M43	Z	2.159	2.159	%100
7	M46	X	-1.866	-1.866	%100
8	M46	Z	3.232	3.232	%100
9	M51B	X	-1.412	-1.412	%100
10	M51B	Z	2.446	2.446	%100
11	M52B	X	0	0	%100
12	M52B	Z	0	0	%100
13	M76	X	-.617	-.617	%100
14	M76	Z	1.068	1.068	%100
15	M77	X	-1.876	-1.876	%100
16	M77	Z	3.25	3.25	%100
17	M80	X	-1.953	-1.953	%100
18	M80	Z	3.382	3.382	%100
19	M84	X	-.617	-.617	%100
20	M84	Z	1.068	1.068	%100
21	M85	X	0	0	%100
22	M85	Z	0	0	%100
23	M91	X	0	0	%100
24	M91	Z	0	0	%100
25	M25	X	-.505	-.505	%100
26	M25	Z	.875	.875	%100
27	M26	X	-1.247	-1.247	%100
28	M26	Z	2.159	2.159	%100
29	M27	X	-1.247	-1.247	%100
30	M27	Z	2.159	2.159	%100
31	M28	X	-1.866	-1.866	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
32	M28	Z	3.232	3.232	0 %100
33	M31	X	0	0	0 %100
34	M31	Z	0	0	0 %100
35	M32	X	-1.412	-1.412	0 %100
36	M32	Z	2.446	2.446	0 %100
37	M36	X	-.617	-.617	0 %100
38	M36	Z	1.068	1.068	0 %100
39	M37	X	0	0	0 %100
40	M37	Z	0	0	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	0	0	0 %100
43	M41	X	-.617	-.617	0 %100
44	M41	Z	1.068	1.068	0 %100
45	M42	X	-1.876	-1.876	0 %100
46	M42	Z	3.25	3.25	0 %100
47	M44	X	-1.953	-1.953	0 %100
48	M44	Z	3.382	3.382	0 %100
49	M49	X	-2.021	-2.021	0 %100
50	M49	Z	3.501	3.501	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	-1.412	-1.412	0 %100
58	M55	Z	2.446	2.446	0 %100
59	M56	X	-1.412	-1.412	0 %100
60	M56	Z	2.446	2.446	0 %100
61	M60	X	-2.467	-2.467	0 %100
62	M60	Z	4.274	4.274	0 %100
63	M61	X	-1.876	-1.876	0 %100
64	M61	Z	3.25	3.25	0 %100
65	M63	X	-1.953	-1.953	0 %100
66	M63	Z	3.382	3.382	0 %100
67	M65	X	-2.467	-2.467	0 %100
68	M65	Z	4.274	4.274	0 %100
69	M66	X	-1.876	-1.876	0 %100
70	M66	Z	3.25	3.25	0 %100
71	M68	X	-1.953	-1.953	0 %100
72	M68	Z	3.382	3.382	0 %100
73	M73	X	-1.612	-1.612	0 %100
74	M73	Z	2.792	2.792	0 %100
75	M74	X	-1.612	-1.612	0 %100
76	M74	Z	2.792	2.792	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	-1.715	-1.715	0 %100
80	MP1A	Z	2.97	2.97	0 %100
81	MP2A	X	-1.783	-1.783	0 %100
82	MP2A	Z	3.088	3.088	0 %100
83	MP3A	X	-1.783	-1.783	0 %100
84	MP3A	Z	3.088	3.088	0 %100
85	MP4A	X	-1.715	-1.715	0 %100
86	MP4A	Z	2.97	2.97	0 %100
87	MP1C	X	-1.715	-1.715	0 %100
88	MP1C	Z	2.97	2.97	0 %100
89	MP2C	X	-1.783	-1.783	0 %100
90	MP2C	Z	3.088	3.088	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
91	MP3C	X	-1.783	-1.783	0 %100
92	MP3C	Z	3.088	3.088	0 %100
93	MP4C	X	-1.715	-1.715	0 %100
94	MP4C	Z	2.97	2.97	0 %100
95	MP1B	X	-1.715	-1.715	0 %100
96	MP1B	Z	2.97	2.97	0 %100
97	MP2B	X	-1.783	-1.783	0 %100
98	MP2B	Z	3.088	3.088	0 %100
99	MP3B	X	-1.783	-1.783	0 %100
100	MP3B	Z	3.088	3.088	0 %100
101	MP4B	X	-1.715	-1.715	0 %100
102	MP4B	Z	2.97	2.97	0 %100
103	M101	X	-1.241	-1.241	0 %100
104	M101	Z	2.15	2.15	0 %100
105	M103	X	-1.241	-1.241	0 %100
106	M103	Z	2.15	2.15	0 %100
107	M104	X	-1.468	-1.468	0 %100
108	M104	Z	2.543	2.543	0 %100
109	M105	X	-1.468	-1.468	0 %100
110	M105	Z	2.543	2.543	0 %100
111	M106	X	0	0	0 %100
112	M106	Z	0	0	0 %100
113	M125	X	-1.354	-1.354	0 %100
114	M125	Z	2.345	2.345	0 %100
115	M126	X	0	0	0 %100
116	M126	Z	0	0	0 %100
117	M127	X	-1.354	-1.354	0 %100
118	M127	Z	2.345	2.345	0 %100
119	M128	X	-1.061	-1.061	0 %100
120	M128	Z	1.838	1.838	0 %100
121	M129	X	-1.061	-1.061	0 %100
122	M129	Z	1.838	1.838	0 %100
123	M130	X	-2.234	-2.234	0 %100
124	M130	Z	3.869	3.869	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-2.626	-2.626	0 %100
2	M4	Z	1.516	1.516	0 %100
3	M10	X	-.72	-.72	0 %100
4	M10	Z	.416	.416	0 %100
5	M43	X	-.72	-.72	0 %100
6	M43	Z	.416	.416	0 %100
7	M46	X	-1.077	-1.077	0 %100
8	M46	Z	.622	.622	0 %100
9	M51B	X	-3.262	-3.262	0 %100
10	M51B	Z	1.883	1.883	0 %100
11	M52B	X	-.815	-.815	0 %100
12	M52B	Z	.471	.471	0 %100
13	M76	X	-3.205	-3.205	0 %100
14	M76	Z	1.851	1.851	0 %100
15	M77	X	-4.333	-4.333	0 %100
16	M77	Z	2.502	2.502	0 %100
17	M80	X	-4.51	-4.51	0 %100
18	M80	Z	2.604	2.604	0 %100
19	M84	X	-3.205	-3.205	0 %100
20	M84	Z	1.851	1.851	0 %100
21	M85	X	-1.083	-1.083	0 %100

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

Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft.%	End Location ft.%
22	M85	Z	.625	.625	0 %100
23	M91	X	-1.127	-1.127	0 %100
24	M91	Z	.651	.651	0 %100
25	M25	X	0	0	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	-2.879	-2.879	0 %100
28	M26	Z	1.662	1.662	0 %100
29	M27	X	-2.879	-2.879	0 %100
30	M27	Z	1.662	1.662	0 %100
31	M28	X	-4.309	-4.309	0 %100
32	M28	Z	2.488	2.488	0 %100
33	M31	X	-.815	-.815	0 %100
34	M31	Z	.471	.471	0 %100
35	M32	X	-.815	-.815	0 %100
36	M32	Z	.471	.471	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	-1.083	-1.083	0 %100
40	M37	Z	.625	.625	0 %100
41	M39	X	-1.127	-1.127	0 %100
42	M39	Z	.651	.651	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	-1.083	-1.083	0 %100
46	M42	Z	.625	.625	0 %100
47	M44	X	-1.127	-1.127	0 %100
48	M44	Z	.651	.651	0 %100
49	M49	X	-2.626	-2.626	0 %100
50	M49	Z	1.516	1.516	0 %100
51	M50A	X	-.72	-.72	0 %100
52	M50A	Z	.416	.416	0 %100
53	M51C	X	-.72	-.72	0 %100
54	M51C	Z	.416	.416	0 %100
55	M52A	X	-1.077	-1.077	0 %100
56	M52A	Z	.622	.622	0 %100
57	M55	X	-.815	-.815	0 %100
58	M55	Z	.471	.471	0 %100
59	M56	X	-3.262	-3.262	0 %100
60	M56	Z	1.883	1.883	0 %100
61	M60	X	-3.205	-3.205	0 %100
62	M60	Z	1.851	1.851	0 %100
63	M61	X	-1.083	-1.083	0 %100
64	M61	Z	.625	.625	0 %100
65	M63	X	-1.127	-1.127	0 %100
66	M63	Z	.651	.651	0 %100
67	M65	X	-3.205	-3.205	0 %100
68	M65	Z	1.851	1.851	0 %100
69	M66	X	-4.333	-4.333	0 %100
70	M66	Z	2.502	2.502	0 %100
71	M68	X	-4.51	-4.51	0 %100
72	M68	Z	2.604	2.604	0 %100
73	M73	X	-.931	-.931	0 %100
74	M73	Z	.537	.537	0 %100
75	M74	X	-3.722	-3.722	0 %100
76	M74	Z	2.149	2.149	0 %100
77	M75	X	-.931	-.931	0 %100
78	M75	Z	.537	.537	0 %100
79	MP1A	X	-2.97	-2.97	0 %100
80	MP1A	Z	1.715	1.715	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
81	MP2A	X	-3.088	-3.088	0	%100
82	MP2A	Z	1.783	1.783	0	%100
83	MP3A	X	-3.088	-3.088	0	%100
84	MP3A	Z	1.783	1.783	0	%100
85	MP4A	X	-2.97	-2.97	0	%100
86	MP4A	Z	1.715	1.715	0	%100
87	MP1C	X	-2.97	-2.97	0	%100
88	MP1C	Z	1.715	1.715	0	%100
89	MP2C	X	-3.088	-3.088	0	%100
90	MP2C	Z	1.783	1.783	0	%100
91	MP3C	X	-3.088	-3.088	0	%100
92	MP3C	Z	1.783	1.783	0	%100
93	MP4C	X	-2.97	-2.97	0	%100
94	MP4C	Z	1.715	1.715	0	%100
95	MP1B	X	-2.97	-2.97	0	%100
96	MP1B	Z	1.715	1.715	0	%100
97	MP2B	X	-3.088	-3.088	0	%100
98	MP2B	Z	1.783	1.783	0	%100
99	MP3B	X	-3.088	-3.088	0	%100
100	MP3B	Z	1.783	1.783	0	%100
101	MP4B	X	-2.97	-2.97	0	%100
102	MP4B	Z	1.715	1.715	0	%100
103	M101	X	-2.15	-2.15	0	%100
104	M101	Z	1.241	1.241	0	%100
105	M103	X	-2.15	-2.15	0	%100
106	M103	Z	1.241	1.241	0	%100
107	M104	X	-.848	-.848	0	%100
108	M104	Z	.489	.489	0	%100
109	M105	X	-3.39	-3.39	0	%100
110	M105	Z	1.958	1.958	0	%100
111	M106	X	-.848	-.848	0	%100
112	M106	Z	.489	.489	0	%100
113	M125	X	-3.127	-3.127	0	%100
114	M125	Z	1.805	1.805	0	%100
115	M126	X	-.782	-.782	0	%100
116	M126	Z	.451	.451	0	%100
117	M127	X	-.782	-.782	0	%100
118	M127	Z	.451	.451	0	%100
119	M128	X	-3.192	-3.192	0	%100
120	M128	Z	1.843	1.843	0	%100
121	M129	X	-1.161	-1.161	0	%100
122	M129	Z	.67	.67	0	%100
123	M130	X	-3.192	-3.192	0	%100
124	M130	Z	1.843	1.843	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-4.043	-4.043	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-2.825	-2.825	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-2.825	-2.825	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]	
12	M52B	Z	0	0	%100	
13	M76	X	-4.935	-4.935	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-3.752	-3.752	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-3.905	-3.905	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-4.935	-4.935	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-3.752	-3.752	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-3.905	-3.905	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-1.011	-1.011	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-2.493	-2.493	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-2.493	-2.493	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-3.732	-3.732	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-2.825	-2.825	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-1.234	-1.234	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-3.752	-3.752	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-3.905	-3.905	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-1.234	-1.234	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-1.011	-1.011	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-2.493	-2.493	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-2.493	-2.493	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-3.732	-3.732	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-2.825	-2.825	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-1.234	-1.234	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-1.234	-1.234	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-3.752	-3.752	0	%100
70	M66	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....	Start Location[ft,%]	End Location[ft,%]
71	M68	X	-3.905	-3.905	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	0	0	0 %100
74	M73	Z	0	0	0 %100
75	M74	X	-3.224	-3.224	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	-3.224	-3.224	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	-3.43	-3.43	0 %100
80	MP1A	Z	0	0	0 %100
81	MP2A	X	-3.566	-3.566	0 %100
82	MP2A	Z	0	0	0 %100
83	MP3A	X	-3.566	-3.566	0 %100
84	MP3A	Z	0	0	0 %100
85	MP4A	X	-3.43	-3.43	0 %100
86	MP4A	Z	0	0	0 %100
87	MP1C	X	-3.43	-3.43	0 %100
88	MP1C	Z	0	0	0 %100
89	MP2C	X	-3.566	-3.566	0 %100
90	MP2C	Z	0	0	0 %100
91	MP3C	X	-3.566	-3.566	0 %100
92	MP3C	Z	0	0	0 %100
93	MP4C	X	-3.43	-3.43	0 %100
94	MP4C	Z	0	0	0 %100
95	MP1B	X	-3.43	-3.43	0 %100
96	MP1B	Z	0	0	0 %100
97	MP2B	X	-3.566	-3.566	0 %100
98	MP2B	Z	0	0	0 %100
99	MP3B	X	-3.566	-3.566	0 %100
100	MP3B	Z	0	0	0 %100
101	MP4B	X	-3.43	-3.43	0 %100
102	MP4B	Z	0	0	0 %100
103	M101	X	-2.483	-2.483	0 %100
104	M101	Z	0	0	0 %100
105	M103	X	-2.483	-2.483	0 %100
106	M103	Z	0	0	0 %100
107	M104	X	0	0	0 %100
108	M104	Z	0	0	0 %100
109	M105	X	-2.936	-2.936	0 %100
110	M105	Z	0	0	0 %100
111	M106	X	-2.936	-2.936	0 %100
112	M106	Z	0	0	0 %100
113	M125	X	-2.708	-2.708	0 %100
114	M125	Z	0	0	0 %100
115	M126	X	-2.708	-2.708	0 %100
116	M126	Z	0	0	0 %100
117	M127	X	0	0	0 %100
118	M127	Z	0	0	0 %100
119	M128	X	-4.468	-4.468	0 %100
120	M128	Z	0	0	0 %100
121	M129	X	-2.123	-2.123	0 %100
122	M129	Z	0	0	0 %100
123	M130	X	-2.123	-2.123	0 %100
124	M130	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....	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.626	-2.626	0 %100

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

Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft.%	End Location ft.%
2	M4	Z	-1.516	-1.516	0 %100
3	M10	X	-.72	-.72	0 %100
4	M10	Z	-.416	-.416	0 %100
5	M43	X	-.72	-.72	0 %100
6	M43	Z	-.416	-.416	0 %100
7	M46	X	-1.077	-1.077	0 %100
8	M46	Z	-.622	-.622	0 %100
9	M51B	X	-.815	-.815	0 %100
10	M51B	Z	-.471	-.471	0 %100
11	M52B	X	-3.262	-3.262	0 %100
12	M52B	Z	-1.883	-1.883	0 %100
13	M76	X	-3.205	-3.205	0 %100
14	M76	Z	-1.851	-1.851	0 %100
15	M77	X	-1.083	-1.083	0 %100
16	M77	Z	-.625	-.625	0 %100
17	M80	X	-1.127	-1.127	0 %100
18	M80	Z	-.651	-.651	0 %100
19	M84	X	-3.205	-3.205	0 %100
20	M84	Z	-1.851	-1.851	0 %100
21	M85	X	-4.333	-4.333	0 %100
22	M85	Z	-2.502	-2.502	0 %100
23	M91	X	-4.51	-4.51	0 %100
24	M91	Z	-2.604	-2.604	0 %100
25	M25	X	-2.626	-2.626	0 %100
26	M25	Z	-1.516	-1.516	0 %100
27	M26	X	-.72	-.72	0 %100
28	M26	Z	-.416	-.416	0 %100
29	M27	X	-.72	-.72	0 %100
30	M27	Z	-.416	-.416	0 %100
31	M28	X	-1.077	-1.077	0 %100
32	M28	Z	-.622	-.622	0 %100
33	M31	X	-3.262	-3.262	0 %100
34	M31	Z	-1.883	-1.883	0 %100
35	M32	X	-.815	-.815	0 %100
36	M32	Z	-.471	-.471	0 %100
37	M36	X	-3.205	-3.205	0 %100
38	M36	Z	-1.851	-1.851	0 %100
39	M37	X	-4.333	-4.333	0 %100
40	M37	Z	-2.502	-2.502	0 %100
41	M39	X	-4.51	-4.51	0 %100
42	M39	Z	-2.604	-2.604	0 %100
43	M41	X	-3.205	-3.205	0 %100
44	M41	Z	-1.851	-1.851	0 %100
45	M42	X	-1.083	-1.083	0 %100
46	M42	Z	-.625	-.625	0 %100
47	M44	X	-1.127	-1.127	0 %100
48	M44	Z	-.651	-.651	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	-2.879	-2.879	0 %100
52	M50A	Z	-1.662	-1.662	0 %100
53	M51C	X	-2.879	-2.879	0 %100
54	M51C	Z	-1.662	-1.662	0 %100
55	M52A	X	-4.309	-4.309	0 %100
56	M52A	Z	-2.488	-2.488	0 %100
57	M55	X	-.815	-.815	0 %100
58	M55	Z	-.471	-.471	0 %100
59	M56	X	-.815	-.815	0 %100
60	M56	Z	-.471	-.471	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
61	M60	X	0	0	%100
62	M60	Z	0	0	%100
63	M61	X	-1.083	-1.083	0
64	M61	Z	-.625	-.625	0
65	M63	X	-1.127	-1.127	0
66	M63	Z	-.651	-.651	0
67	M65	X	0	0	0
68	M65	Z	0	0	0
69	M66	X	-1.083	-1.083	0
70	M66	Z	-.625	-.625	0
71	M68	X	-1.127	-1.127	0
72	M68	Z	-.651	-.651	0
73	M73	X	-.931	-.931	0
74	M73	Z	-.537	-.537	0
75	M74	X	-.931	-.931	0
76	M74	Z	-.537	-.537	0
77	M75	X	-3.722	-3.722	0
78	M75	Z	-2.149	-2.149	0
79	MP1A	X	-2.97	-2.97	0
80	MP1A	Z	-1.715	-1.715	0
81	MP2A	X	-3.088	-3.088	0
82	MP2A	Z	-1.783	-1.783	0
83	MP3A	X	-3.088	-3.088	0
84	MP3A	Z	-1.783	-1.783	0
85	MP4A	X	-2.97	-2.97	0
86	MP4A	Z	-1.715	-1.715	0
87	MP1C	X	-2.97	-2.97	0
88	MP1C	Z	-1.715	-1.715	0
89	MP2C	X	-3.088	-3.088	0
90	MP2C	Z	-1.783	-1.783	0
91	MP3C	X	-3.088	-3.088	0
92	MP3C	Z	-1.783	-1.783	0
93	MP4C	X	-2.97	-2.97	0
94	MP4C	Z	-1.715	-1.715	0
95	MP1B	X	-2.97	-2.97	0
96	MP1B	Z	-1.715	-1.715	0
97	MP2B	X	-3.088	-3.088	0
98	MP2B	Z	-1.783	-1.783	0
99	MP3B	X	-3.088	-3.088	0
100	MP3B	Z	-1.783	-1.783	0
101	MP4B	X	-2.97	-2.97	0
102	MP4B	Z	-1.715	-1.715	0
103	M101	X	-2.15	-2.15	0
104	M101	Z	-1.241	-1.241	0
105	M103	X	-2.15	-2.15	0
106	M103	Z	-1.241	-1.241	0
107	M104	X	-.848	-.848	0
108	M104	Z	-.489	-.489	0
109	M105	X	-.848	-.848	0
110	M105	Z	-.489	-.489	0
111	M106	X	-3.39	-3.39	0
112	M106	Z	-1.958	-1.958	0
113	M125	X	-.782	-.782	0
114	M125	Z	-.451	-.451	0
115	M126	X	-3.127	-3.127	0
116	M126	Z	-1.805	-1.805	0
117	M127	X	-.782	-.782	0
118	M127	Z	-.451	-.451	0
119	M128	X	-3.192	-3.192	0

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
120	M128	Z	-1.843	-1.843	0	%100
121	M129	X	-3.192	-3.192	0	%100
122	M129	Z	-1.843	-1.843	0	%100
123	M130	X	-1.161	-1.161	0	%100
124	M130	Z	-.67	-.67	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.505	-.505	0	%100
2	M4	Z	-.875	-.875	0	%100
3	M10	X	-1.247	-1.247	0	%100
4	M10	Z	-2.159	-2.159	0	%100
5	M43	X	-1.247	-1.247	0	%100
6	M43	Z	-2.159	-2.159	0	%100
7	M46	X	-1.866	-1.866	0	%100
8	M46	Z	-3.232	-3.232	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-1.412	-1.412	0	%100
12	M52B	Z	-2.446	-2.446	0	%100
13	M76	X	-.617	-.617	0	%100
14	M76	Z	-1.068	-1.068	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.617	-.617	0	%100
20	M84	Z	-1.068	-1.068	0	%100
21	M85	X	-1.876	-1.876	0	%100
22	M85	Z	-3.25	-3.25	0	%100
23	M91	X	-1.953	-1.953	0	%100
24	M91	Z	-3.382	-3.382	0	%100
25	M25	X	-2.021	-2.021	0	%100
26	M25	Z	-3.501	-3.501	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-1.412	-1.412	0	%100
34	M31	Z	-2.446	-2.446	0	%100
35	M32	X	-1.412	-1.412	0	%100
36	M32	Z	-2.446	-2.446	0	%100
37	M36	X	-2.467	-2.467	0	%100
38	M36	Z	-4.274	-4.274	0	%100
39	M37	X	-1.876	-1.876	0	%100
40	M37	Z	-3.25	-3.25	0	%100
41	M39	X	-1.953	-1.953	0	%100
42	M39	Z	-3.382	-3.382	0	%100
43	M41	X	-2.467	-2.467	0	%100
44	M41	Z	-4.274	-4.274	0	%100
45	M42	X	-1.876	-1.876	0	%100
46	M42	Z	-3.25	-3.25	0	%100
47	M44	X	-1.953	-1.953	0	%100
48	M44	Z	-3.382	-3.382	0	%100
49	M49	X	-.505	-.505	0	%100
50	M49	Z	-.875	-.875	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
51	M50A	X	-1.247	-1.247	0 %100
52	M50A	Z	-2.159	-2.159	0 %100
53	M51C	X	-1.247	-1.247	0 %100
54	M51C	Z	-2.159	-2.159	0 %100
55	M52A	X	-1.866	-1.866	0 %100
56	M52A	Z	-3.232	-3.232	0 %100
57	M55	X	-1.412	-1.412	0 %100
58	M55	Z	-2.446	-2.446	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	-.617	-.617	0 %100
62	M60	Z	-1.068	-1.068	0 %100
63	M61	X	-1.876	-1.876	0 %100
64	M61	Z	-3.25	-3.25	0 %100
65	M63	X	-1.953	-1.953	0 %100
66	M63	Z	-3.382	-3.382	0 %100
67	M65	X	-.617	-.617	0 %100
68	M65	Z	-1.068	-1.068	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	-1.612	-1.612	0 %100
74	M73	Z	-2.792	-2.792	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	-1.612	-1.612	0 %100
78	M75	Z	-2.792	-2.792	0 %100
79	MP1A	X	-1.715	-1.715	0 %100
80	MP1A	Z	-2.97	-2.97	0 %100
81	MP2A	X	-1.783	-1.783	0 %100
82	MP2A	Z	-3.088	-3.088	0 %100
83	MP3A	X	-1.783	-1.783	0 %100
84	MP3A	Z	-3.088	-3.088	0 %100
85	MP4A	X	-1.715	-1.715	0 %100
86	MP4A	Z	-2.97	-2.97	0 %100
87	MP1C	X	-1.715	-1.715	0 %100
88	MP1C	Z	-2.97	-2.97	0 %100
89	MP2C	X	-1.783	-1.783	0 %100
90	MP2C	Z	-3.088	-3.088	0 %100
91	MP3C	X	-1.783	-1.783	0 %100
92	MP3C	Z	-3.088	-3.088	0 %100
93	MP4C	X	-1.715	-1.715	0 %100
94	MP4C	Z	-2.97	-2.97	0 %100
95	MP1B	X	-1.715	-1.715	0 %100
96	MP1B	Z	-2.97	-2.97	0 %100
97	MP2B	X	-1.783	-1.783	0 %100
98	MP2B	Z	-3.088	-3.088	0 %100
99	MP3B	X	-1.783	-1.783	0 %100
100	MP3B	Z	-3.088	-3.088	0 %100
101	MP4B	X	-1.715	-1.715	0 %100
102	MP4B	Z	-2.97	-2.97	0 %100
103	M101	X	-1.241	-1.241	0 %100
104	M101	Z	-2.15	-2.15	0 %100
105	M103	X	-1.241	-1.241	0 %100
106	M103	Z	-2.15	-2.15	0 %100
107	M104	X	-1.468	-1.468	0 %100
108	M104	Z	-2.543	-2.543	0 %100
109	M105	X	0	0	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
110	M105	Z	0	0	0	%100
111	M106	X	-1.468	-1.468	0	%100
112	M106	Z	-2.543	-2.543	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	-1.354	-1.354	0	%100
116	M126	Z	-2.345	-2.345	0	%100
117	M127	X	-1.354	-1.354	0	%100
118	M127	Z	-2.345	-2.345	0	%100
119	M128	X	-1.061	-1.061	0	%100
120	M128	Z	-1.838	-1.838	0	%100
121	M129	X	-2.234	-2.234	0	%100
122	M129	Z	-3.869	-3.869	0	%100
123	M130	X	-1.061	-1.061	0	%100
124	M130	Z	-1.838	-1.838	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-.664	-.664	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-.664	-.664	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-1.325	-1.325	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.184	-.184	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.184	-.184	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-.337	-.337	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-.355	-.355	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-.337	-.337	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-.355	-.355	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-.589	-.589	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.166	-.166	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.166	-.166	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.331	-.331	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-.184	-.184	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-.736	-.736	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-.994	-.994	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-.337	-.337	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
41	M39	X	0	0	%100
42	M39	Z	-.355	-.355	0
43	M41	X	0	0	%100
44	M41	Z	-.994	-.994	0
45	M42	X	0	0	%100
46	M42	Z	-1.349	-1.349	0
47	M44	X	0	0	%100
48	M44	Z	-1.421	-1.421	0
49	M49	X	0	0	%100
50	M49	Z	-.589	-.589	0
51	M50A	X	0	0	%100
52	M50A	Z	-.166	-.166	0
53	M51C	X	0	0	%100
54	M51C	Z	-.166	-.166	0
55	M52A	X	0	0	%100
56	M52A	Z	-.331	-.331	0
57	M55	X	0	0	%100
58	M55	Z	-.736	-.736	0
59	M56	X	0	0	%100
60	M56	Z	-.184	-.184	0
61	M60	X	0	0	%100
62	M60	Z	-.994	-.994	0
63	M61	X	0	0	%100
64	M61	Z	-1.349	-1.349	0
65	M63	X	0	0	%100
66	M63	Z	-1.421	-1.421	0
67	M65	X	0	0	%100
68	M65	Z	-.994	-.994	0
69	M66	X	0	0	%100
70	M66	Z	-.337	-.337	0
71	M68	X	0	0	%100
72	M68	Z	-.355	-.355	0
73	M73	X	0	0	%100
74	M73	Z	-.773	-.773	0
75	M74	X	0	0	%100
76	M74	Z	-.193	-.193	0
77	M75	X	0	0	%100
78	M75	Z	-.193	-.193	0
79	MP1A	X	0	0	%100
80	MP1A	Z	-.524	-.524	0
81	MP2A	X	0	0	%100
82	MP2A	Z	-.524	-.524	0
83	MP3A	X	0	0	%100
84	MP3A	Z	-.524	-.524	0
85	MP4A	X	0	0	%100
86	MP4A	Z	-.524	-.524	0
87	MP1C	X	0	0	%100
88	MP1C	Z	-.524	-.524	0
89	MP2C	X	0	0	%100
90	MP2C	Z	-.524	-.524	0
91	MP3C	X	0	0	%100
92	MP3C	Z	-.524	-.524	0
93	MP4C	X	0	0	%100
94	MP4C	Z	-.524	-.524	0
95	MP1B	X	0	0	%100
96	MP1B	Z	-.524	-.524	0
97	MP2B	X	0	0	%100
98	MP2B	Z	-.524	-.524	0
99	MP3B	X	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
100	MP3B	Z	-.524	-.524	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-.524	-.524	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	-.38	-.38	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	-.38	-.38	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	-.635	-.635	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	-.159	-.159	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	-.159	-.159	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	-.197	-.197	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	-.197	-.197	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-.788	-.788	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-.356	-.356	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	-.819	-.819	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	-.819	-.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.098	.098	0	%100
2	M4	Z	-.17	-.17	0	%100
3	M10	X	.249	.249	0	%100
4	M10	Z	-.431	-.431	0	%100
5	M43	X	.249	.249	0	%100
6	M43	Z	-.431	-.431	0	%100
7	M46	X	.497	.497	0	%100
8	M46	Z	-.86	-.86	0	%100
9	M51B	X	.276	.276	0	%100
10	M51B	Z	-.478	-.478	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.166	.166	0	%100
14	M76	Z	-.287	-.287	0	%100
15	M77	X	.506	.506	0	%100
16	M77	Z	-.876	-.876	0	%100
17	M80	X	.533	.533	0	%100
18	M80	Z	-.923	-.923	0	%100
19	M84	X	.166	.166	0	%100
20	M84	Z	-.287	-.287	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.098	.098	0	%100
26	M25	Z	-.17	-.17	0	%100
27	M26	X	.249	.249	0	%100
28	M26	Z	-.431	-.431	0	%100
29	M27	X	.249	.249	0	%100
30	M27	Z	-.431	-.431	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
31	M28	X	.497	.497	0 %100
32	M28	Z	-.86	-.86	0 %100
33	M31	X	0	0	0 %100
34	M31	Z	0	0	0 %100
35	M32	X	.276	.276	0 %100
36	M32	Z	-.478	-.478	0 %100
37	M36	X	.166	.166	0 %100
38	M36	Z	-.287	-.287	0 %100
39	M37	X	0	0	0 %100
40	M37	Z	0	0	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	0	0	0 %100
43	M41	X	.166	.166	0 %100
44	M41	Z	-.287	-.287	0 %100
45	M42	X	.506	.506	0 %100
46	M42	Z	-.876	-.876	0 %100
47	M44	X	.533	.533	0 %100
48	M44	Z	-.923	-.923	0 %100
49	M49	X	.392	.392	0 %100
50	M49	Z	-.68	-.68	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	.276	.276	0 %100
58	M55	Z	-.478	-.478	0 %100
59	M56	X	.276	.276	0 %100
60	M56	Z	-.478	-.478	0 %100
61	M60	X	.662	.662	0 %100
62	M60	Z	-1.147	-1.147	0 %100
63	M61	X	.506	.506	0 %100
64	M61	Z	-.876	-.876	0 %100
65	M63	X	.533	.533	0 %100
66	M63	Z	-.923	-.923	0 %100
67	M65	X	.662	.662	0 %100
68	M65	Z	-1.147	-1.147	0 %100
69	M66	X	.506	.506	0 %100
70	M66	Z	-.876	-.876	0 %100
71	M68	X	.533	.533	0 %100
72	M68	Z	-.923	-.923	0 %100
73	M73	X	.29	.29	0 %100
74	M73	Z	-.502	-.502	0 %100
75	M74	X	.29	.29	0 %100
76	M74	Z	-.502	-.502	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	.262	.262	0 %100
80	MP1A	Z	-.454	-.454	0 %100
81	MP2A	X	.262	.262	0 %100
82	MP2A	Z	-.454	-.454	0 %100
83	MP3A	X	.262	.262	0 %100
84	MP3A	Z	-.454	-.454	0 %100
85	MP4A	X	.262	.262	0 %100
86	MP4A	Z	-.454	-.454	0 %100
87	MP1C	X	.262	.262	0 %100
88	MP1C	Z	-.454	-.454	0 %100
89	MP2C	X	.262	.262	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
90	MP2C	Z	-.454	-.454	0	%100
91	MP3C	X	.262	.262	0	%100
92	MP3C	Z	-.454	-.454	0	%100
93	MP4C	X	.262	.262	0	%100
94	MP4C	Z	-.454	-.454	0	%100
95	MP1B	X	.262	.262	0	%100
96	MP1B	Z	-.454	-.454	0	%100
97	MP2B	X	.262	.262	0	%100
98	MP2B	Z	-.454	-.454	0	%100
99	MP3B	X	.262	.262	0	%100
100	MP3B	Z	-.454	-.454	0	%100
101	MP4B	X	.262	.262	0	%100
102	MP4B	Z	-.454	-.454	0	%100
103	M101	X	.19	.19	0	%100
104	M101	Z	-.329	-.329	0	%100
105	M103	X	.19	.19	0	%100
106	M103	Z	-.329	-.329	0	%100
107	M104	X	.238	.238	0	%100
108	M104	Z	-.412	-.412	0	%100
109	M105	X	.238	.238	0	%100
110	M105	Z	-.412	-.412	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	.295	.295	0	%100
114	M125	Z	-.512	-.512	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	.295	.295	0	%100
118	M127	Z	-.512	-.512	0	%100
119	M128	X	.255	.255	0	%100
120	M128	Z	-.442	-.442	0	%100
121	M129	X	.255	.255	0	%100
122	M129	Z	-.442	-.442	0	%100
123	M130	X	.487	.487	0	%100
124	M130	Z	-.843	-.843	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.51	.51	0	%100
2	M4	Z	-.294	-.294	0	%100
3	M10	X	.144	.144	0	%100
4	M10	Z	-.083	-.083	0	%100
5	M43	X	.144	.144	0	%100
6	M43	Z	-.083	-.083	0	%100
7	M46	X	.287	.287	0	%100
8	M46	Z	-.166	-.166	0	%100
9	M51B	X	.637	.637	0	%100
10	M51B	Z	-.368	-.368	0	%100
11	M52B	X	.159	.159	0	%100
12	M52B	Z	-.092	-.092	0	%100
13	M76	X	.86	.86	0	%100
14	M76	Z	-.497	-.497	0	%100
15	M77	X	1.168	1.168	0	%100
16	M77	Z	-.675	-.675	0	%100
17	M80	X	1.231	1.231	0	%100
18	M80	Z	-.711	-.711	0	%100
19	M84	X	.86	.86	0	%100
20	M84	Z	-.497	-.497	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
21	M85	X	.292	.292	0 %100
22	M85	Z	-.169	-.169	0 %100
23	M91	X	.308	.308	0 %100
24	M91	Z	-.178	-.178	0 %100
25	M25	X	0	0	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	.575	.575	0 %100
28	M26	Z	-.332	-.332	0 %100
29	M27	X	.575	.575	0 %100
30	M27	Z	-.332	-.332	0 %100
31	M28	X	1.147	1.147	0 %100
32	M28	Z	-.662	-.662	0 %100
33	M31	X	.159	.159	0 %100
34	M31	Z	-.092	-.092	0 %100
35	M32	X	.159	.159	0 %100
36	M32	Z	-.092	-.092	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	.292	.292	0 %100
40	M37	Z	-.169	-.169	0 %100
41	M39	X	.308	.308	0 %100
42	M39	Z	-.178	-.178	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	.292	.292	0 %100
46	M42	Z	-.169	-.169	0 %100
47	M44	X	.308	.308	0 %100
48	M44	Z	-.178	-.178	0 %100
49	M49	X	.51	.51	0 %100
50	M49	Z	-.294	-.294	0 %100
51	M50A	X	.144	.144	0 %100
52	M50A	Z	-.083	-.083	0 %100
53	M51C	X	.144	.144	0 %100
54	M51C	Z	-.083	-.083	0 %100
55	M52A	X	.287	.287	0 %100
56	M52A	Z	-.166	-.166	0 %100
57	M55	X	.159	.159	0 %100
58	M55	Z	-.092	-.092	0 %100
59	M56	X	.637	.637	0 %100
60	M56	Z	-.368	-.368	0 %100
61	M60	X	.86	.86	0 %100
62	M60	Z	-.497	-.497	0 %100
63	M61	X	.292	.292	0 %100
64	M61	Z	-.169	-.169	0 %100
65	M63	X	.308	.308	0 %100
66	M63	Z	-.178	-.178	0 %100
67	M65	X	.86	.86	0 %100
68	M65	Z	-.497	-.497	0 %100
69	M66	X	1.168	1.168	0 %100
70	M66	Z	-.675	-.675	0 %100
71	M68	X	1.231	1.231	0 %100
72	M68	Z	-.711	-.711	0 %100
73	M73	X	.167	.167	0 %100
74	M73	Z	-.097	-.097	0 %100
75	M74	X	.669	.669	0 %100
76	M74	Z	-.386	-.386	0 %100
77	M75	X	.167	.167	0 %100
78	M75	Z	-.097	-.097	0 %100
79	MP1A	X	.454	.454	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
80	MP1A	Z	-.262	-.262	0	%100
81	MP2A	X	.454	.454	0	%100
82	MP2A	Z	-.262	-.262	0	%100
83	MP3A	X	.454	.454	0	%100
84	MP3A	Z	-.262	-.262	0	%100
85	MP4A	X	.454	.454	0	%100
86	MP4A	Z	-.262	-.262	0	%100
87	MP1C	X	.454	.454	0	%100
88	MP1C	Z	-.262	-.262	0	%100
89	MP2C	X	.454	.454	0	%100
90	MP2C	Z	-.262	-.262	0	%100
91	MP3C	X	.454	.454	0	%100
92	MP3C	Z	-.262	-.262	0	%100
93	MP4C	X	.454	.454	0	%100
94	MP4C	Z	-.262	-.262	0	%100
95	MP1B	X	.454	.454	0	%100
96	MP1B	Z	-.262	-.262	0	%100
97	MP2B	X	.454	.454	0	%100
98	MP2B	Z	-.262	-.262	0	%100
99	MP3B	X	.454	.454	0	%100
100	MP3B	Z	-.262	-.262	0	%100
101	MP4B	X	.454	.454	0	%100
102	MP4B	Z	-.262	-.262	0	%100
103	M101	X	.329	.329	0	%100
104	M101	Z	-.19	-.19	0	%100
105	M103	X	.329	.329	0	%100
106	M103	Z	-.19	-.19	0	%100
107	M104	X	.137	.137	0	%100
108	M104	Z	-.079	-.079	0	%100
109	M105	X	.55	.55	0	%100
110	M105	Z	-.317	-.317	0	%100
111	M106	X	.137	.137	0	%100
112	M106	Z	-.079	-.079	0	%100
113	M125	X	.682	.682	0	%100
114	M125	Z	-.394	-.394	0	%100
115	M126	X	.171	.171	0	%100
116	M126	Z	-.098	-.098	0	%100
117	M127	X	.171	.171	0	%100
118	M127	Z	-.098	-.098	0	%100
119	M128	X	.709	.709	0	%100
120	M128	Z	-.409	-.409	0	%100
121	M129	X	.308	.308	0	%100
122	M129	Z	-.178	-.178	0	%100
123	M130	X	.709	.709	0	%100
124	M130	Z	-.409	-.409	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.785	.785	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	.552	.552	0	%100
10	M51B	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
11	M52B	X	.552	.552	0 %100
12	M52B	Z	0	0	0 %100
13	M76	X	1.325	1.325	0 %100
14	M76	Z	0	0	0 %100
15	M77	X	1.012	1.012	0 %100
16	M77	Z	0	0	0 %100
17	M80	X	1.066	1.066	0 %100
18	M80	Z	0	0	0 %100
19	M84	X	1.325	1.325	0 %100
20	M84	Z	0	0	0 %100
21	M85	X	1.012	1.012	0 %100
22	M85	Z	0	0	0 %100
23	M91	X	1.066	1.066	0 %100
24	M91	Z	0	0	0 %100
25	M25	X	.196	.196	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	.498	.498	0 %100
28	M26	Z	0	0	0 %100
29	M27	X	.498	.498	0 %100
30	M27	Z	0	0	0 %100
31	M28	X	.994	.994	0 %100
32	M28	Z	0	0	0 %100
33	M31	X	.552	.552	0 %100
34	M31	Z	0	0	0 %100
35	M32	X	0	0	0 %100
36	M32	Z	0	0	0 %100
37	M36	X	.331	.331	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	1.012	1.012	0 %100
40	M37	Z	0	0	0 %100
41	M39	X	1.066	1.066	0 %100
42	M39	Z	0	0	0 %100
43	M41	X	.331	.331	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	0	0	0 %100
46	M42	Z	0	0	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	0	0	0 %100
49	M49	X	.196	.196	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	.498	.498	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	.498	.498	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	.994	.994	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	0	0	0 %100
58	M55	Z	0	0	0 %100
59	M56	X	.552	.552	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	.331	.331	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	0	0	0 %100
64	M61	Z	0	0	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	0	0	0 %100
67	M65	X	.331	.331	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	1.012	1.012	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
70	M66	Z	0	0	%100
71	M68	X	1.066	1.066	%100
72	M68	Z	0	0	%100
73	M73	X	0	0	%100
74	M73	Z	0	0	%100
75	M74	X	.58	.58	%100
76	M74	Z	0	0	%100
77	M75	X	.58	.58	%100
78	M75	Z	0	0	%100
79	MP1A	X	.524	.524	%100
80	MP1A	Z	0	0	%100
81	MP2A	X	.524	.524	%100
82	MP2A	Z	0	0	%100
83	MP3A	X	.524	.524	%100
84	MP3A	Z	0	0	%100
85	MP4A	X	.524	.524	%100
86	MP4A	Z	0	0	%100
87	MP1C	X	.524	.524	%100
88	MP1C	Z	0	0	%100
89	MP2C	X	.524	.524	%100
90	MP2C	Z	0	0	%100
91	MP3C	X	.524	.524	%100
92	MP3C	Z	0	0	%100
93	MP4C	X	.524	.524	%100
94	MP4C	Z	0	0	%100
95	MP1B	X	.524	.524	%100
96	MP1B	Z	0	0	%100
97	MP2B	X	.524	.524	%100
98	MP2B	Z	0	0	%100
99	MP3B	X	.524	.524	%100
100	MP3B	Z	0	0	%100
101	MP4B	X	.524	.524	%100
102	MP4B	Z	0	0	%100
103	M101	X	.38	.38	%100
104	M101	Z	0	0	%100
105	M103	X	.38	.38	%100
106	M103	Z	0	0	%100
107	M104	X	0	0	%100
108	M104	Z	0	0	%100
109	M105	X	.476	.476	%100
110	M105	Z	0	0	%100
111	M106	X	.476	.476	%100
112	M106	Z	0	0	%100
113	M125	X	.591	.591	%100
114	M125	Z	0	0	%100
115	M126	X	.591	.591	%100
116	M126	Z	0	0	%100
117	M127	X	0	0	%100
118	M127	Z	0	0	%100
119	M128	X	.973	.973	%100
120	M128	Z	0	0	%100
121	M129	X	.51	.51	%100
122	M129	Z	0	0	%100
123	M130	X	.51	.51	%100
124	M130	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	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....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.51	.51	0 %100
2	M4	Z	.294	.294	0 %100
3	M10	X	.144	.144	0 %100
4	M10	Z	.083	.083	0 %100
5	M43	X	.144	.144	0 %100
6	M43	Z	.083	.083	0 %100
7	M46	X	.287	.287	0 %100
8	M46	Z	.166	.166	0 %100
9	M51B	X	.159	.159	0 %100
10	M51B	Z	.092	.092	0 %100
11	M52B	X	.637	.637	0 %100
12	M52B	Z	.368	.368	0 %100
13	M76	X	.86	.86	0 %100
14	M76	Z	.497	.497	0 %100
15	M77	X	.292	.292	0 %100
16	M77	Z	.169	.169	0 %100
17	M80	X	.308	.308	0 %100
18	M80	Z	.178	.178	0 %100
19	M84	X	.86	.86	0 %100
20	M84	Z	.497	.497	0 %100
21	M85	X	1.168	1.168	0 %100
22	M85	Z	.675	.675	0 %100
23	M91	X	1.231	1.231	0 %100
24	M91	Z	.711	.711	0 %100
25	M25	X	.51	.51	0 %100
26	M25	Z	.294	.294	0 %100
27	M26	X	.144	.144	0 %100
28	M26	Z	.083	.083	0 %100
29	M27	X	.144	.144	0 %100
30	M27	Z	.083	.083	0 %100
31	M28	X	.287	.287	0 %100
32	M28	Z	.166	.166	0 %100
33	M31	X	.637	.637	0 %100
34	M31	Z	.368	.368	0 %100
35	M32	X	.159	.159	0 %100
36	M32	Z	.092	.092	0 %100
37	M36	X	.86	.86	0 %100
38	M36	Z	.497	.497	0 %100
39	M37	X	1.168	1.168	0 %100
40	M37	Z	.675	.675	0 %100
41	M39	X	1.231	1.231	0 %100
42	M39	Z	.711	.711	0 %100
43	M41	X	.86	.86	0 %100
44	M41	Z	.497	.497	0 %100
45	M42	X	.292	.292	0 %100
46	M42	Z	.169	.169	0 %100
47	M44	X	.308	.308	0 %100
48	M44	Z	.178	.178	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	.575	.575	0 %100
52	M50A	Z	.332	.332	0 %100
53	M51C	X	.575	.575	0 %100
54	M51C	Z	.332	.332	0 %100
55	M52A	X	1.147	1.147	0 %100
56	M52A	Z	.662	.662	0 %100
57	M55	X	.159	.159	0 %100
58	M55	Z	.092	.092	0 %100
59	M56	X	.159	.159	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
60	M56	Z	.092	.092	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	.292	.292	0 %100
64	M61	Z	.169	.169	0 %100
65	M63	X	.308	.308	0 %100
66	M63	Z	.178	.178	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	.292	.292	0 %100
70	M66	Z	.169	.169	0 %100
71	M68	X	.308	.308	0 %100
72	M68	Z	.178	.178	0 %100
73	M73	X	.167	.167	0 %100
74	M73	Z	.097	.097	0 %100
75	M74	X	.167	.167	0 %100
76	M74	Z	.097	.097	0 %100
77	M75	X	.669	.669	0 %100
78	M75	Z	.386	.386	0 %100
79	MP1A	X	.454	.454	0 %100
80	MP1A	Z	.262	.262	0 %100
81	MP2A	X	.454	.454	0 %100
82	MP2A	Z	.262	.262	0 %100
83	MP3A	X	.454	.454	0 %100
84	MP3A	Z	.262	.262	0 %100
85	MP4A	X	.454	.454	0 %100
86	MP4A	Z	.262	.262	0 %100
87	MP1C	X	.454	.454	0 %100
88	MP1C	Z	.262	.262	0 %100
89	MP2C	X	.454	.454	0 %100
90	MP2C	Z	.262	.262	0 %100
91	MP3C	X	.454	.454	0 %100
92	MP3C	Z	.262	.262	0 %100
93	MP4C	X	.454	.454	0 %100
94	MP4C	Z	.262	.262	0 %100
95	MP1B	X	.454	.454	0 %100
96	MP1B	Z	.262	.262	0 %100
97	MP2B	X	.454	.454	0 %100
98	MP2B	Z	.262	.262	0 %100
99	MP3B	X	.454	.454	0 %100
100	MP3B	Z	.262	.262	0 %100
101	MP4B	X	.454	.454	0 %100
102	MP4B	Z	.262	.262	0 %100
103	M101	X	.329	.329	0 %100
104	M101	Z	.19	.19	0 %100
105	M103	X	.329	.329	0 %100
106	M103	Z	.19	.19	0 %100
107	M104	X	.137	.137	0 %100
108	M104	Z	.079	.079	0 %100
109	M105	X	.137	.137	0 %100
110	M105	Z	.079	.079	0 %100
111	M106	X	.55	.55	0 %100
112	M106	Z	.317	.317	0 %100
113	M125	X	.171	.171	0 %100
114	M125	Z	.098	.098	0 %100
115	M126	X	.682	.682	0 %100
116	M126	Z	.394	.394	0 %100
117	M127	X	.171	.171	0 %100
118	M127	Z	.098	.098	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
119	M128	X	.709	.709	0	%100
120	M128	Z	.409	.409	0	%100
121	M129	X	.709	.709	0	%100
122	M129	Z	.409	.409	0	%100
123	M130	X	.308	.308	0	%100
124	M130	Z	.178	.178	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.098	.098	0	%100
2	M4	Z	.17	.17	0	%100
3	M10	X	.249	.249	0	%100
4	M10	Z	.431	.431	0	%100
5	M43	X	.249	.249	0	%100
6	M43	Z	.431	.431	0	%100
7	M46	X	.497	.497	0	%100
8	M46	Z	.86	.86	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.276	.276	0	%100
12	M52B	Z	.478	.478	0	%100
13	M76	X	.166	.166	0	%100
14	M76	Z	.287	.287	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.166	.166	0	%100
20	M84	Z	.287	.287	0	%100
21	M85	X	.506	.506	0	%100
22	M85	Z	.876	.876	0	%100
23	M91	X	.533	.533	0	%100
24	M91	Z	.923	.923	0	%100
25	M25	X	.392	.392	0	%100
26	M25	Z	.68	.68	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.276	.276	0	%100
34	M31	Z	.478	.478	0	%100
35	M32	X	.276	.276	0	%100
36	M32	Z	.478	.478	0	%100
37	M36	X	.662	.662	0	%100
38	M36	Z	1.147	1.147	0	%100
39	M37	X	.506	.506	0	%100
40	M37	Z	.876	.876	0	%100
41	M39	X	.533	.533	0	%100
42	M39	Z	.923	.923	0	%100
43	M41	X	.662	.662	0	%100
44	M41	Z	1.147	1.147	0	%100
45	M42	X	.506	.506	0	%100
46	M42	Z	.876	.876	0	%100
47	M44	X	.533	.533	0	%100
48	M44	Z	.923	.923	0	%100
49	M49	X	.098	.098	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
50	M49	Z	.17	.17	0 %100
51	M50A	X	.249	.249	0 %100
52	M50A	Z	.431	.431	0 %100
53	M51C	X	.249	.249	0 %100
54	M51C	Z	.431	.431	0 %100
55	M52A	X	.497	.497	0 %100
56	M52A	Z	.86	.86	0 %100
57	M55	X	.276	.276	0 %100
58	M55	Z	.478	.478	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	.166	.166	0 %100
62	M60	Z	.287	.287	0 %100
63	M61	X	.506	.506	0 %100
64	M61	Z	.876	.876	0 %100
65	M63	X	.533	.533	0 %100
66	M63	Z	.923	.923	0 %100
67	M65	X	.166	.166	0 %100
68	M65	Z	.287	.287	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	.29	.29	0 %100
74	M73	Z	.502	.502	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	.29	.29	0 %100
78	M75	Z	.502	.502	0 %100
79	MP1A	X	.262	.262	0 %100
80	MP1A	Z	.454	.454	0 %100
81	MP2A	X	.262	.262	0 %100
82	MP2A	Z	.454	.454	0 %100
83	MP3A	X	.262	.262	0 %100
84	MP3A	Z	.454	.454	0 %100
85	MP4A	X	.262	.262	0 %100
86	MP4A	Z	.454	.454	0 %100
87	MP1C	X	.262	.262	0 %100
88	MP1C	Z	.454	.454	0 %100
89	MP2C	X	.262	.262	0 %100
90	MP2C	Z	.454	.454	0 %100
91	MP3C	X	.262	.262	0 %100
92	MP3C	Z	.454	.454	0 %100
93	MP4C	X	.262	.262	0 %100
94	MP4C	Z	.454	.454	0 %100
95	MP1B	X	.262	.262	0 %100
96	MP1B	Z	.454	.454	0 %100
97	MP2B	X	.262	.262	0 %100
98	MP2B	Z	.454	.454	0 %100
99	MP3B	X	.262	.262	0 %100
100	MP3B	Z	.454	.454	0 %100
101	MP4B	X	.262	.262	0 %100
102	MP4B	Z	.454	.454	0 %100
103	M101	X	.19	.19	0 %100
104	M101	Z	.329	.329	0 %100
105	M103	X	.19	.19	0 %100
106	M103	Z	.329	.329	0 %100
107	M104	X	.238	.238	0 %100
108	M104	Z	.412	.412	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	.238	.238	0	%100
112	M106	Z	.412	.412	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	.295	.295	0	%100
116	M126	Z	.512	.512	0	%100
117	M127	X	.295	.295	0	%100
118	M127	Z	.512	.512	0	%100
119	M128	X	.255	.255	0	%100
120	M128	Z	.442	.442	0	%100
121	M129	X	.487	.487	0	%100
122	M129	Z	.843	.843	0	%100
123	M130	X	.255	.255	0	%100
124	M130	Z	.442	.442	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.664	.664	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.664	.664	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	1.325	1.325	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.184	.184	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.184	.184	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	.337	.337	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	.355	.355	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	.337	.337	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	.355	.355	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	.589	.589	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.166	.166	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.166	.166	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.331	.331	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.184	.184	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.736	.736	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	.994	.994	0	%100
39	M37	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....]	Start Location[ft.%]	End Location[ft.%]
40	M37	Z	.337	.337	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	.355	.355	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	.994	.994	0 %100
45	M42	X	0	0	0 %100
46	M42	Z	1.349	1.349	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	1.421	1.421	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	.589	.589	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	.166	.166	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	.166	.166	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	.331	.331	0 %100
57	M55	X	0	0	0 %100
58	M55	Z	.736	.736	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	.184	.184	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	.994	.994	0 %100
63	M61	X	0	0	0 %100
64	M61	Z	1.349	1.349	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	1.421	1.421	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	.994	.994	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	.337	.337	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	.355	.355	0 %100
73	M73	X	0	0	0 %100
74	M73	Z	.773	.773	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	.193	.193	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	.193	.193	0 %100
79	MP1A	X	0	0	0 %100
80	MP1A	Z	.524	.524	0 %100
81	MP2A	X	0	0	0 %100
82	MP2A	Z	.524	.524	0 %100
83	MP3A	X	0	0	0 %100
84	MP3A	Z	.524	.524	0 %100
85	MP4A	X	0	0	0 %100
86	MP4A	Z	.524	.524	0 %100
87	MP1C	X	0	0	0 %100
88	MP1C	Z	.524	.524	0 %100
89	MP2C	X	0	0	0 %100
90	MP2C	Z	.524	.524	0 %100
91	MP3C	X	0	0	0 %100
92	MP3C	Z	.524	.524	0 %100
93	MP4C	X	0	0	0 %100
94	MP4C	Z	.524	.524	0 %100
95	MP1B	X	0	0	0 %100
96	MP1B	Z	.524	.524	0 %100
97	MP2B	X	0	0	0 %100
98	MP2B	Z	.524	.524	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft,%]	End Location[ft,%]
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.524	.524	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	.524	.524	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	.38	.38	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	.38	.38	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	.635	.635	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	.159	.159	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	.159	.159	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	.197	.197	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	.197	.197	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	.788	.788	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	.356	.356	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	.819	.819	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	.819	.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.098	-.098	0	%100
2	M4	Z	.17	.17	0	%100
3	M10	X	-.249	-.249	0	%100
4	M10	Z	.431	.431	0	%100
5	M43	X	-.249	-.249	0	%100
6	M43	Z	.431	.431	0	%100
7	M46	X	-.497	-.497	0	%100
8	M46	Z	.86	.86	0	%100
9	M51B	X	-.276	-.276	0	%100
10	M51B	Z	.478	.478	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.166	-.166	0	%100
14	M76	Z	.287	.287	0	%100
15	M77	X	-.506	-.506	0	%100
16	M77	Z	.876	.876	0	%100
17	M80	X	-.533	-.533	0	%100
18	M80	Z	.923	.923	0	%100
19	M84	X	-.166	-.166	0	%100
20	M84	Z	.287	.287	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.098	-.098	0	%100
26	M25	Z	.17	.17	0	%100
27	M26	X	-.249	-.249	0	%100
28	M26	Z	.431	.431	0	%100
29	M27	X	-.249	-.249	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
30	M27	Z	.431	.431	0 %100
31	M28	X	-.497	-.497	0 %100
32	M28	Z	.86	.86	0 %100
33	M31	X	0	0	0 %100
34	M31	Z	0	0	0 %100
35	M32	X	-.276	-.276	0 %100
36	M32	Z	.478	.478	0 %100
37	M36	X	-.166	-.166	0 %100
38	M36	Z	.287	.287	0 %100
39	M37	X	0	0	0 %100
40	M37	Z	0	0	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	0	0	0 %100
43	M41	X	-.166	-.166	0 %100
44	M41	Z	.287	.287	0 %100
45	M42	X	-.506	-.506	0 %100
46	M42	Z	.876	.876	0 %100
47	M44	X	-.533	-.533	0 %100
48	M44	Z	.923	.923	0 %100
49	M49	X	-.392	-.392	0 %100
50	M49	Z	.68	.68	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	-.276	-.276	0 %100
58	M55	Z	.478	.478	0 %100
59	M56	X	-.276	-.276	0 %100
60	M56	Z	.478	.478	0 %100
61	M60	X	-.662	-.662	0 %100
62	M60	Z	1.147	1.147	0 %100
63	M61	X	-.506	-.506	0 %100
64	M61	Z	.876	.876	0 %100
65	M63	X	-.533	-.533	0 %100
66	M63	Z	.923	.923	0 %100
67	M65	X	-.662	-.662	0 %100
68	M65	Z	1.147	1.147	0 %100
69	M66	X	-.506	-.506	0 %100
70	M66	Z	.876	.876	0 %100
71	M68	X	-.533	-.533	0 %100
72	M68	Z	.923	.923	0 %100
73	M73	X	-.29	-.29	0 %100
74	M73	Z	.502	.502	0 %100
75	M74	X	-.29	-.29	0 %100
76	M74	Z	.502	.502	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	-.262	-.262	0 %100
80	MP1A	Z	.454	.454	0 %100
81	MP2A	X	-.262	-.262	0 %100
82	MP2A	Z	.454	.454	0 %100
83	MP3A	X	-.262	-.262	0 %100
84	MP3A	Z	.454	.454	0 %100
85	MP4A	X	-.262	-.262	0 %100
86	MP4A	Z	.454	.454	0 %100
87	MP1C	X	-.262	-.262	0 %100
88	MP1C	Z	.454	.454	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
89	MP2C	X	-.262	-.262	0	%100
90	MP2C	Z	.454	.454	0	%100
91	MP3C	X	-.262	-.262	0	%100
92	MP3C	Z	.454	.454	0	%100
93	MP4C	X	-.262	-.262	0	%100
94	MP4C	Z	.454	.454	0	%100
95	MP1B	X	-.262	-.262	0	%100
96	MP1B	Z	.454	.454	0	%100
97	MP2B	X	-.262	-.262	0	%100
98	MP2B	Z	.454	.454	0	%100
99	MP3B	X	-.262	-.262	0	%100
100	MP3B	Z	.454	.454	0	%100
101	MP4B	X	-.262	-.262	0	%100
102	MP4B	Z	.454	.454	0	%100
103	M101	X	-.19	-.19	0	%100
104	M101	Z	.329	.329	0	%100
105	M103	X	-.19	-.19	0	%100
106	M103	Z	.329	.329	0	%100
107	M104	X	-.238	-.238	0	%100
108	M104	Z	.412	.412	0	%100
109	M105	X	-.238	-.238	0	%100
110	M105	Z	.412	.412	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	-.295	-.295	0	%100
114	M125	Z	.512	.512	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	-.295	-.295	0	%100
118	M127	Z	.512	.512	0	%100
119	M128	X	-.255	-.255	0	%100
120	M128	Z	.442	.442	0	%100
121	M129	X	-.255	-.255	0	%100
122	M129	Z	.442	.442	0	%100
123	M130	X	-.487	-.487	0	%100
124	M130	Z	.843	.843	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, %]
1	M4	X	-.51	-.51	0	%100
2	M4	Z	.294	.294	0	%100
3	M10	X	-.144	-.144	0	%100
4	M10	Z	.083	.083	0	%100
5	M43	X	-.144	-.144	0	%100
6	M43	Z	.083	.083	0	%100
7	M46	X	-.287	-.287	0	%100
8	M46	Z	.166	.166	0	%100
9	M51B	X	-.637	-.637	0	%100
10	M51B	Z	.368	.368	0	%100
11	M52B	X	-.159	-.159	0	%100
12	M52B	Z	.092	.092	0	%100
13	M76	X	-.86	-.86	0	%100
14	M76	Z	.497	.497	0	%100
15	M77	X	-1.168	-1.168	0	%100
16	M77	Z	.675	.675	0	%100
17	M80	X	-1.231	-1.231	0	%100
18	M80	Z	.711	.711	0	%100
19	M84	X	-.86	-.86	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
20	M84	Z	.497	.497	0 %100
21	M85	X	-.292	-.292	0 %100
22	M85	Z	.169	.169	0 %100
23	M91	X	-.308	-.308	0 %100
24	M91	Z	.178	.178	0 %100
25	M25	X	0	0	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	-.575	-.575	0 %100
28	M26	Z	.332	.332	0 %100
29	M27	X	-.575	-.575	0 %100
30	M27	Z	.332	.332	0 %100
31	M28	X	-1.147	-1.147	0 %100
32	M28	Z	.662	.662	0 %100
33	M31	X	-.159	-.159	0 %100
34	M31	Z	.092	.092	0 %100
35	M32	X	-.159	-.159	0 %100
36	M32	Z	.092	.092	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	-.292	-.292	0 %100
40	M37	Z	.169	.169	0 %100
41	M39	X	-.308	-.308	0 %100
42	M39	Z	.178	.178	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	-.292	-.292	0 %100
46	M42	Z	.169	.169	0 %100
47	M44	X	-.308	-.308	0 %100
48	M44	Z	.178	.178	0 %100
49	M49	X	-.51	-.51	0 %100
50	M49	Z	.294	.294	0 %100
51	M50A	X	-.144	-.144	0 %100
52	M50A	Z	.083	.083	0 %100
53	M51C	X	-.144	-.144	0 %100
54	M51C	Z	.083	.083	0 %100
55	M52A	X	-.287	-.287	0 %100
56	M52A	Z	.166	.166	0 %100
57	M55	X	-.159	-.159	0 %100
58	M55	Z	.092	.092	0 %100
59	M56	X	-.637	-.637	0 %100
60	M56	Z	.368	.368	0 %100
61	M60	X	-.86	-.86	0 %100
62	M60	Z	.497	.497	0 %100
63	M61	X	-.292	-.292	0 %100
64	M61	Z	.169	.169	0 %100
65	M63	X	-.308	-.308	0 %100
66	M63	Z	.178	.178	0 %100
67	M65	X	-.86	-.86	0 %100
68	M65	Z	.497	.497	0 %100
69	M66	X	-1.168	-1.168	0 %100
70	M66	Z	.675	.675	0 %100
71	M68	X	-1.231	-1.231	0 %100
72	M68	Z	.711	.711	0 %100
73	M73	X	-.167	-.167	0 %100
74	M73	Z	.097	.097	0 %100
75	M74	X	-.669	-.669	0 %100
76	M74	Z	.386	.386	0 %100
77	M75	X	-.167	-.167	0 %100
78	M75	Z	.097	.097	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
79	MP1A	X	-.454	-.454	0 %100
80	MP1A	Z	.262	.262	0 %100
81	MP2A	X	-.454	-.454	0 %100
82	MP2A	Z	.262	.262	0 %100
83	MP3A	X	-.454	-.454	0 %100
84	MP3A	Z	.262	.262	0 %100
85	MP4A	X	-.454	-.454	0 %100
86	MP4A	Z	.262	.262	0 %100
87	MP1C	X	-.454	-.454	0 %100
88	MP1C	Z	.262	.262	0 %100
89	MP2C	X	-.454	-.454	0 %100
90	MP2C	Z	.262	.262	0 %100
91	MP3C	X	-.454	-.454	0 %100
92	MP3C	Z	.262	.262	0 %100
93	MP4C	X	-.454	-.454	0 %100
94	MP4C	Z	.262	.262	0 %100
95	MP1B	X	-.454	-.454	0 %100
96	MP1B	Z	.262	.262	0 %100
97	MP2B	X	-.454	-.454	0 %100
98	MP2B	Z	.262	.262	0 %100
99	MP3B	X	-.454	-.454	0 %100
100	MP3B	Z	.262	.262	0 %100
101	MP4B	X	-.454	-.454	0 %100
102	MP4B	Z	.262	.262	0 %100
103	M101	X	-.329	-.329	0 %100
104	M101	Z	.19	.19	0 %100
105	M103	X	-.329	-.329	0 %100
106	M103	Z	.19	.19	0 %100
107	M104	X	-.137	-.137	0 %100
108	M104	Z	.079	.079	0 %100
109	M105	X	-.55	-.55	0 %100
110	M105	Z	.317	.317	0 %100
111	M106	X	-.137	-.137	0 %100
112	M106	Z	.079	.079	0 %100
113	M125	X	-.682	-.682	0 %100
114	M125	Z	.394	.394	0 %100
115	M126	X	-.171	-.171	0 %100
116	M126	Z	.098	.098	0 %100
117	M127	X	-.171	-.171	0 %100
118	M127	Z	.098	.098	0 %100
119	M128	X	-.709	-.709	0 %100
120	M128	Z	.409	.409	0 %100
121	M129	X	-.308	-.308	0 %100
122	M129	Z	.178	.178	0 %100
123	M130	X	-.709	-.709	0 %100
124	M130	Z	.409	.409	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.785	-.785	0 %100
2	M4	Z	0	0	0 %100
3	M10	X	0	0	0 %100
4	M10	Z	0	0	0 %100
5	M43	X	0	0	0 %100
6	M43	Z	0	0	0 %100
7	M46	X	0	0	0 %100
8	M46	Z	0	0	0 %100
9	M51B	X	-.552	-.552	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]	
10	M51B	Z	0	0	%100	
11	M52B	X	-0.552	-0.552	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-1.325	-1.325	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-1.012	-1.012	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-1.066	-1.066	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-1.325	-1.325	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-1.012	-1.012	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-1.066	-1.066	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-0.196	-0.196	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-0.498	-0.498	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-0.498	-0.498	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-0.994	-0.994	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-0.552	-0.552	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-0.331	-0.331	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-1.012	-1.012	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-1.066	-1.066	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-0.331	-0.331	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-0.196	-0.196	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-0.498	-0.498	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-0.498	-0.498	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-0.994	-0.994	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-0.552	-0.552	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-0.331	-0.331	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-0.331	-0.331	0	%100
68	M65	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....]	Start Location[ft.%]	End Location[ft.%]
69	M66	X	-1.012	-1.012	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	-1.066	-1.066	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	0	0	0 %100
74	M73	Z	0	0	0 %100
75	M74	X	-.58	-.58	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	-.58	-.58	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	-.524	-.524	0 %100
80	MP1A	Z	0	0	0 %100
81	MP2A	X	-.524	-.524	0 %100
82	MP2A	Z	0	0	0 %100
83	MP3A	X	-.524	-.524	0 %100
84	MP3A	Z	0	0	0 %100
85	MP4A	X	-.524	-.524	0 %100
86	MP4A	Z	0	0	0 %100
87	MP1C	X	-.524	-.524	0 %100
88	MP1C	Z	0	0	0 %100
89	MP2C	X	-.524	-.524	0 %100
90	MP2C	Z	0	0	0 %100
91	MP3C	X	-.524	-.524	0 %100
92	MP3C	Z	0	0	0 %100
93	MP4C	X	-.524	-.524	0 %100
94	MP4C	Z	0	0	0 %100
95	MP1B	X	-.524	-.524	0 %100
96	MP1B	Z	0	0	0 %100
97	MP2B	X	-.524	-.524	0 %100
98	MP2B	Z	0	0	0 %100
99	MP3B	X	-.524	-.524	0 %100
100	MP3B	Z	0	0	0 %100
101	MP4B	X	-.524	-.524	0 %100
102	MP4B	Z	0	0	0 %100
103	M101	X	-.38	-.38	0 %100
104	M101	Z	0	0	0 %100
105	M103	X	-.38	-.38	0 %100
106	M103	Z	0	0	0 %100
107	M104	X	0	0	0 %100
108	M104	Z	0	0	0 %100
109	M105	X	-.476	-.476	0 %100
110	M105	Z	0	0	0 %100
111	M106	X	-.476	-.476	0 %100
112	M106	Z	0	0	0 %100
113	M125	X	-.591	-.591	0 %100
114	M125	Z	0	0	0 %100
115	M126	X	-.591	-.591	0 %100
116	M126	Z	0	0	0 %100
117	M127	X	0	0	0 %100
118	M127	Z	0	0	0 %100
119	M128	X	-.973	-.973	0 %100
120	M128	Z	0	0	0 %100
121	M129	X	-.51	-.51	0 %100
122	M129	Z	0	0	0 %100
123	M130	X	-.51	-.51	0 %100
124	M130	Z	0	0	0 %100

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

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-0.51	-0.51	0 %100
2	M4	Z	-0.294	-0.294	0 %100
3	M10	X	-0.144	-0.144	0 %100
4	M10	Z	-0.083	-0.083	0 %100
5	M43	X	-0.144	-0.144	0 %100
6	M43	Z	-0.083	-0.083	0 %100
7	M46	X	-0.287	-0.287	0 %100
8	M46	Z	-0.166	-0.166	0 %100
9	M51B	X	-0.159	-0.159	0 %100
10	M51B	Z	-0.092	-0.092	0 %100
11	M52B	X	-0.637	-0.637	0 %100
12	M52B	Z	-0.368	-0.368	0 %100
13	M76	X	-0.86	-0.86	0 %100
14	M76	Z	-0.497	-0.497	0 %100
15	M77	X	-0.292	-0.292	0 %100
16	M77	Z	-0.169	-0.169	0 %100
17	M80	X	-0.308	-0.308	0 %100
18	M80	Z	-0.178	-0.178	0 %100
19	M84	X	-0.86	-0.86	0 %100
20	M84	Z	-0.497	-0.497	0 %100
21	M85	X	-1.168	-1.168	0 %100
22	M85	Z	-0.675	-0.675	0 %100
23	M91	X	-1.231	-1.231	0 %100
24	M91	Z	-0.711	-0.711	0 %100
25	M25	X	-0.51	-0.51	0 %100
26	M25	Z	-0.294	-0.294	0 %100
27	M26	X	-0.144	-0.144	0 %100
28	M26	Z	-0.083	-0.083	0 %100
29	M27	X	-0.144	-0.144	0 %100
30	M27	Z	-0.083	-0.083	0 %100
31	M28	X	-0.287	-0.287	0 %100
32	M28	Z	-0.166	-0.166	0 %100
33	M31	X	-0.637	-0.637	0 %100
34	M31	Z	-0.368	-0.368	0 %100
35	M32	X	-0.159	-0.159	0 %100
36	M32	Z	-0.092	-0.092	0 %100
37	M36	X	-0.86	-0.86	0 %100
38	M36	Z	-0.497	-0.497	0 %100
39	M37	X	-1.168	-1.168	0 %100
40	M37	Z	-0.675	-0.675	0 %100
41	M39	X	-1.231	-1.231	0 %100
42	M39	Z	-0.711	-0.711	0 %100
43	M41	X	-0.86	-0.86	0 %100
44	M41	Z	-0.497	-0.497	0 %100
45	M42	X	-0.292	-0.292	0 %100
46	M42	Z	-0.169	-0.169	0 %100
47	M44	X	-0.308	-0.308	0 %100
48	M44	Z	-0.178	-0.178	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	-0.575	-0.575	0 %100
52	M50A	Z	-0.332	-0.332	0 %100
53	M51C	X	-0.575	-0.575	0 %100
54	M51C	Z	-0.332	-0.332	0 %100
55	M52A	X	-1.147	-1.147	0 %100
56	M52A	Z	-0.662	-0.662	0 %100
57	M55	X	-0.159	-0.159	0 %100
58	M55	Z	-0.092	-0.092	0 %100
59	M56	X	-0.159	-0.159	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
60	M56	Z	-0.092	-0.092	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	-0.292	-0.292	0 %100
64	M61	Z	-0.169	-0.169	0 %100
65	M63	X	-0.308	-0.308	0 %100
66	M63	Z	-0.178	-0.178	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	-0.292	-0.292	0 %100
70	M66	Z	-0.169	-0.169	0 %100
71	M68	X	-0.308	-0.308	0 %100
72	M68	Z	-0.178	-0.178	0 %100
73	M73	X	-0.167	-0.167	0 %100
74	M73	Z	-0.097	-0.097	0 %100
75	M74	X	-0.167	-0.167	0 %100
76	M74	Z	-0.097	-0.097	0 %100
77	M75	X	-0.669	-0.669	0 %100
78	M75	Z	-0.386	-0.386	0 %100
79	MP1A	X	-0.454	-0.454	0 %100
80	MP1A	Z	-0.262	-0.262	0 %100
81	MP2A	X	-0.454	-0.454	0 %100
82	MP2A	Z	-0.262	-0.262	0 %100
83	MP3A	X	-0.454	-0.454	0 %100
84	MP3A	Z	-0.262	-0.262	0 %100
85	MP4A	X	-0.454	-0.454	0 %100
86	MP4A	Z	-0.262	-0.262	0 %100
87	MP1C	X	-0.454	-0.454	0 %100
88	MP1C	Z	-0.262	-0.262	0 %100
89	MP2C	X	-0.454	-0.454	0 %100
90	MP2C	Z	-0.262	-0.262	0 %100
91	MP3C	X	-0.454	-0.454	0 %100
92	MP3C	Z	-0.262	-0.262	0 %100
93	MP4C	X	-0.454	-0.454	0 %100
94	MP4C	Z	-0.262	-0.262	0 %100
95	MP1B	X	-0.454	-0.454	0 %100
96	MP1B	Z	-0.262	-0.262	0 %100
97	MP2B	X	-0.454	-0.454	0 %100
98	MP2B	Z	-0.262	-0.262	0 %100
99	MP3B	X	-0.454	-0.454	0 %100
100	MP3B	Z	-0.262	-0.262	0 %100
101	MP4B	X	-0.454	-0.454	0 %100
102	MP4B	Z	-0.262	-0.262	0 %100
103	M101	X	-0.329	-0.329	0 %100
104	M101	Z	-0.19	-0.19	0 %100
105	M103	X	-0.329	-0.329	0 %100
106	M103	Z	-0.19	-0.19	0 %100
107	M104	X	-0.137	-0.137	0 %100
108	M104	Z	-0.079	-0.079	0 %100
109	M105	X	-0.137	-0.137	0 %100
110	M105	Z	-0.079	-0.079	0 %100
111	M106	X	-0.55	-0.55	0 %100
112	M106	Z	-0.317	-0.317	0 %100
113	M125	X	-0.171	-0.171	0 %100
114	M125	Z	-0.098	-0.098	0 %100
115	M126	X	-0.682	-0.682	0 %100
116	M126	Z	-0.394	-0.394	0 %100
117	M127	X	-0.171	-0.171	0 %100
118	M127	Z	-0.098	-0.098	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
119	M128	X	-.709	-.709	0	%100
120	M128	Z	-.409	-.409	0	%100
121	M129	X	-.709	-.709	0	%100
122	M129	Z	-.409	-.409	0	%100
123	M130	X	-.308	-.308	0	%100
124	M130	Z	-.178	-.178	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.098	-.098	0	%100
2	M4	Z	-.17	-.17	0	%100
3	M10	X	-.249	-.249	0	%100
4	M10	Z	-.431	-.431	0	%100
5	M43	X	-.249	-.249	0	%100
6	M43	Z	-.431	-.431	0	%100
7	M46	X	-.497	-.497	0	%100
8	M46	Z	-.86	-.86	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.276	-.276	0	%100
12	M52B	Z	-.478	-.478	0	%100
13	M76	X	-.166	-.166	0	%100
14	M76	Z	-.287	-.287	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.166	-.166	0	%100
20	M84	Z	-.287	-.287	0	%100
21	M85	X	-.506	-.506	0	%100
22	M85	Z	-.876	-.876	0	%100
23	M91	X	-.533	-.533	0	%100
24	M91	Z	-.923	-.923	0	%100
25	M25	X	-.392	-.392	0	%100
26	M25	Z	-.68	-.68	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.276	-.276	0	%100
34	M31	Z	-.478	-.478	0	%100
35	M32	X	-.276	-.276	0	%100
36	M32	Z	-.478	-.478	0	%100
37	M36	X	-.662	-.662	0	%100
38	M36	Z	-1.147	-1.147	0	%100
39	M37	X	-.506	-.506	0	%100
40	M37	Z	-.876	-.876	0	%100
41	M39	X	-.533	-.533	0	%100
42	M39	Z	-.923	-.923	0	%100
43	M41	X	-.662	-.662	0	%100
44	M41	Z	-1.147	-1.147	0	%100
45	M42	X	-.506	-.506	0	%100
46	M42	Z	-.876	-.876	0	%100
47	M44	X	-.533	-.533	0	%100
48	M44	Z	-.923	-.923	0	%100
49	M49	X	-.098	-.098	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
50	M49	Z	-.17	-.17	0 %100
51	M50A	X	-.249	-.249	0 %100
52	M50A	Z	-.431	-.431	0 %100
53	M51C	X	-.249	-.249	0 %100
54	M51C	Z	-.431	-.431	0 %100
55	M52A	X	-.497	-.497	0 %100
56	M52A	Z	-.86	-.86	0 %100
57	M55	X	-.276	-.276	0 %100
58	M55	Z	-.478	-.478	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	-.166	-.166	0 %100
62	M60	Z	-.287	-.287	0 %100
63	M61	X	-.506	-.506	0 %100
64	M61	Z	-.876	-.876	0 %100
65	M63	X	-.533	-.533	0 %100
66	M63	Z	-.923	-.923	0 %100
67	M65	X	-.166	-.166	0 %100
68	M65	Z	-.287	-.287	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	-.29	-.29	0 %100
74	M73	Z	-.502	-.502	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	-.29	-.29	0 %100
78	M75	Z	-.502	-.502	0 %100
79	MP1A	X	-.262	-.262	0 %100
80	MP1A	Z	-.454	-.454	0 %100
81	MP2A	X	-.262	-.262	0 %100
82	MP2A	Z	-.454	-.454	0 %100
83	MP3A	X	-.262	-.262	0 %100
84	MP3A	Z	-.454	-.454	0 %100
85	MP4A	X	-.262	-.262	0 %100
86	MP4A	Z	-.454	-.454	0 %100
87	MP1C	X	-.262	-.262	0 %100
88	MP1C	Z	-.454	-.454	0 %100
89	MP2C	X	-.262	-.262	0 %100
90	MP2C	Z	-.454	-.454	0 %100
91	MP3C	X	-.262	-.262	0 %100
92	MP3C	Z	-.454	-.454	0 %100
93	MP4C	X	-.262	-.262	0 %100
94	MP4C	Z	-.454	-.454	0 %100
95	MP1B	X	-.262	-.262	0 %100
96	MP1B	Z	-.454	-.454	0 %100
97	MP2B	X	-.262	-.262	0 %100
98	MP2B	Z	-.454	-.454	0 %100
99	MP3B	X	-.262	-.262	0 %100
100	MP3B	Z	-.454	-.454	0 %100
101	MP4B	X	-.262	-.262	0 %100
102	MP4B	Z	-.454	-.454	0 %100
103	M101	X	-.19	-.19	0 %100
104	M101	Z	-.329	-.329	0 %100
105	M103	X	-.19	-.19	0 %100
106	M103	Z	-.329	-.329	0 %100
107	M104	X	-.238	-.238	0 %100
108	M104	Z	-.412	-.412	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	-.238	-.238	0	%100
112	M106	Z	-.412	-.412	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	-.295	-.295	0	%100
116	M126	Z	-.512	-.512	0	%100
117	M127	X	-.295	-.295	0	%100
118	M127	Z	-.512	-.512	0	%100
119	M128	X	-.255	-.255	0	%100
120	M128	Z	-.442	-.442	0	%100
121	M129	X	-.487	-.487	0	%100
122	M129	Z	-.843	-.843	0	%100
123	M130	X	-.255	-.255	0	%100
124	M130	Z	-.442	-.442	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M51B	Y	-1.665	-4.226	0	.832
2	M51B	Y	-4.226	-6.901	.832	1.665
3	M51B	Y	-6.901	-8.189	1.665	2.497
4	M51B	Y	-8.189	-6.544	2.497	3.329
5	M51B	Y	-6.544	-3.463	3.329	4.162
6	M52B	Y	-3.469	-6.578	0	.832
7	M52B	Y	-6.578	-8.256	.832	1.665
8	M52B	Y	-8.256	-7.041	1.665	2.497
9	M52B	Y	-7.041	-4.429	2.497	3.329
10	M52B	Y	-4.429	-1.881	3.329	4.162
11	M31	Y	-1.665	-4.226	0	.832
12	M31	Y	-4.226	-6.901	.832	1.665
13	M31	Y	-6.901	-8.189	1.665	2.497
14	M31	Y	-8.189	-6.544	2.497	3.329
15	M31	Y	-6.544	-3.463	3.329	4.162
16	M32	Y	-3.469	-6.578	0	.832
17	M32	Y	-6.578	-8.256	.832	1.665
18	M32	Y	-8.256	-7.041	1.665	2.497
19	M32	Y	-7.041	-4.429	2.497	3.329
20	M32	Y	-4.429	-1.881	3.329	4.162
21	M55	Y	-1.884	-4.426	0	.832
22	M55	Y	-4.426	-7.044	.832	1.665
23	M55	Y	-7.044	-8.26	1.665	2.497
24	M55	Y	-8.26	-6.573	2.497	3.329
25	M55	Y	-6.573	-3.462	3.329	4.162
26	M56	Y	-3.463	-6.545	0	.832
27	M56	Y	-6.545	-8.189	.832	1.665
28	M56	Y	-8.189	-6.902	1.665	2.497
29	M56	Y	-6.902	-4.228	2.497	3.329
30	M56	Y	-4.228	-1.661	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M51B	Y	-4.116	-10.446	0	.832
2	M51B	Y	-10.446	-17.057	.832	1.665
3	M51B	Y	-17.057	-20.242	1.665	2.497
4	M51B	Y	-20.242	-16.174	2.497	3.329
5	M51B	Y	-16.174	-8.559	3.329	4.162
6	M52B	Y	-8.575	-16.258	0	.832

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
7	M52B	Y	-16.258	-20.405	.832	1.665
8	M52B	Y	-20.405	-17.405	1.665	2.497
9	M52B	Y	-17.405	-10.948	2.497	3.329
10	M52B	Y	-10.948	-4.649	3.329	4.162
11	M31	Y	-4.116	-10.446	0	.832
12	M31	Y	-10.446	-17.057	.832	1.665
13	M31	Y	-17.057	-20.242	1.665	2.497
14	M31	Y	-20.242	-16.174	2.497	3.329
15	M31	Y	-16.174	-8.559	3.329	4.162
16	M32	Y	-8.575	-16.258	0	.832
17	M32	Y	-16.258	-20.405	.832	1.665
18	M32	Y	-20.405	-17.405	1.665	2.497
19	M32	Y	-17.405	-10.948	2.497	3.329
20	M32	Y	-10.948	-4.649	3.329	4.162
21	M55	Y	-4.658	-10.94	0	.832
22	M55	Y	-10.94	-17.412	.832	1.665
23	M55	Y	-17.412	-20.418	1.665	2.497
24	M55	Y	-20.418	-16.247	2.497	3.329
25	M55	Y	-16.247	-8.556	3.329	4.162
26	M56	Y	-8.56	-16.176	0	.832
27	M56	Y	-16.176	-20.24	.832	1.665
28	M56	Y	-20.24	-17.059	1.665	2.497
29	M56	Y	-17.059	-10.451	2.497	3.329
30	M56	Y	-10.451	-4.106	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	M51B	Y	-.071	-.18	0	.832
2	M51B	Y	-.18	-.293	.832	1.665
3	M51B	Y	-.293	-.348	1.665	2.497
4	M51B	Y	-.348	-.278	2.497	3.329
5	M51B	Y	-.278	-.147	3.329	4.162
6	M52B	Y	-.147	-.28	0	.832
7	M52B	Y	-.28	-.351	.832	1.665
8	M52B	Y	-.351	-.299	1.665	2.497
9	M52B	Y	-.299	-.188	2.497	3.329
10	M52B	Y	-.188	-.08	3.329	4.162
11	M31	Y	-.071	-.18	0	.832
12	M31	Y	-.18	-.293	.832	1.665
13	M31	Y	-.293	-.348	1.665	2.497
14	M31	Y	-.348	-.278	2.497	3.329
15	M31	Y	-.278	-.147	3.329	4.162
16	M32	Y	-.147	-.28	0	.832
17	M32	Y	-.28	-.351	.832	1.665
18	M32	Y	-.351	-.299	1.665	2.497
19	M32	Y	-.299	-.188	2.497	3.329
20	M32	Y	-.188	-.08	3.329	4.162
21	M55	Y	-.08	-.188	0	.832
22	M55	Y	-.188	-.299	.832	1.665
23	M55	Y	-.299	-.351	1.665	2.497
24	M55	Y	-.351	-.279	2.497	3.329
25	M55	Y	-.279	-.147	3.329	4.162
26	M56	Y	-.147	-.278	0	.832
27	M56	Y	-.278	-.348	.832	1.665
28	M56	Y	-.348	-.293	1.665	2.497
29	M56	Y	-.293	-.18	2.497	3.329
30	M56	Y	-.18	-.071	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M51B	Z	-.177	-.449	0	.832
2	M51B	Z	-.449	-.733	.832	1.665
3	M51B	Z	-.733	-.869	1.665	2.497
4	M51B	Z	-.869	-.695	2.497	3.329
5	M51B	Z	-.695	-.368	3.329	4.162
6	M52B	Z	-.368	-.698	0	.832
7	M52B	Z	-.698	-.876	.832	1.665
8	M52B	Z	-.876	-.747	1.665	2.497
9	M52B	Z	-.747	-.47	2.497	3.329
10	M52B	Z	-.47	-.2	3.329	4.162
11	M31	Z	-.177	-.449	0	.832
12	M31	Z	-.449	-.733	.832	1.665
13	M31	Z	-.733	-.869	1.665	2.497
14	M31	Z	-.869	-.695	2.497	3.329
15	M31	Z	-.695	-.368	3.329	4.162
16	M32	Z	-.368	-.698	0	.832
17	M32	Z	-.698	-.876	.832	1.665
18	M32	Z	-.876	-.747	1.665	2.497
19	M32	Z	-.747	-.47	2.497	3.329
20	M32	Z	-.47	-.2	3.329	4.162
21	M55	Z	-.2	-.47	0	.832
22	M55	Z	-.47	-.748	.832	1.665
23	M55	Z	-.748	-.877	1.665	2.497
24	M55	Z	-.877	-.698	2.497	3.329
25	M55	Z	-.698	-.367	3.329	4.162
26	M56	Z	-.368	-.695	0	.832
27	M56	Z	-.695	-.869	.832	1.665
28	M56	Z	-.869	-.733	1.665	2.497
29	M56	Z	-.733	-.449	2.497	3.329
30	M56	Z	-.449	-.176	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M51B	X	.177	.449	0	.832
2	M51B	X	.449	.733	.832	1.665
3	M51B	X	.733	.869	1.665	2.497
4	M51B	X	.869	.695	2.497	3.329
5	M51B	X	.695	.368	3.329	4.162
6	M52B	X	.368	.698	0	.832
7	M52B	X	.698	.876	.832	1.665
8	M52B	X	.876	.747	1.665	2.497
9	M52B	X	.747	.47	2.497	3.329
10	M52B	X	.47	.2	3.329	4.162
11	M31	X	.177	.449	0	.832
12	M31	X	.449	.733	.832	1.665
13	M31	X	.733	.869	1.665	2.497
14	M31	X	.869	.695	2.497	3.329
15	M31	X	.695	.368	3.329	4.162
16	M32	X	.368	.698	0	.832
17	M32	X	.698	.876	.832	1.665
18	M32	X	.876	.747	1.665	2.497
19	M32	X	.747	.47	2.497	3.329
20	M32	X	.47	.2	3.329	4.162
21	M55	X	.2	.47	0	.832
22	M55	X	.47	.748	.832	1.665
23	M55	X	.748	.877	1.665	2.497
24	M55	X	.877	.698	2.497	3.329
25	M55	X	.698	.367	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
26	M56	X	.368	.695	0	.832
27	M56	X	.695	.869	.832	1.665
28	M56	X	.869	.733	1.665	2.497
29	M56	X	.733	.449	2.497	3.329
30	M56	X	.449	.176	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.005
2	N55	N57	N33	N32	Y	Two Way	-.005
3	N84	N86	N62	N61	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.013
2	N55	N57	N33	N32	Y	Two Way	-.013
3	N84	N86	N62	N61	Y	Two Way	-.013

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.000221
2	N55	N57	N33	N32	Y	Two Way	-.000221
3	N84	N86	N62	N61	Y	Two Way	-.000221

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Z	Two Way	-.000552
2	N55	N57	N33	N32	Z	Two Way	-.000552
3	N84	N86	N62	N61	Z	Two Way	-.000552

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	X	Two Way	.000552
2	N55	N57	N33	N32	X	Two Way	.000552
3	N84	N86	N62	N61	X	Two Way	.000552

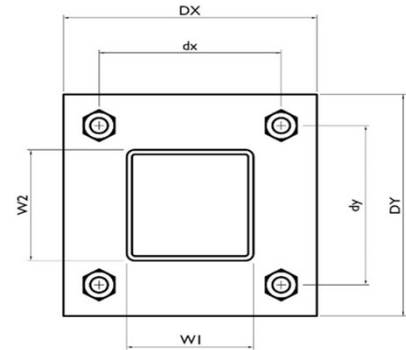
I. Mount-to-Tower Connection Check

Custom Orientation Required No

Tower Connection Bolt Checks Yes

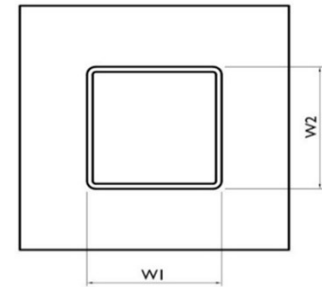
Bolt Orientation Parallel

Bolt Quantity per Reaction:	4
d_x (in) (Delta X of typ. bolt config. sketch) :	8
d_y (in) (Delta Y of typ. bolt config. sketch) :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	2.6
Required Shear Strength / bolt (kips):	0.4
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	12.6%



Tower Connection Baseplate Checks Yes

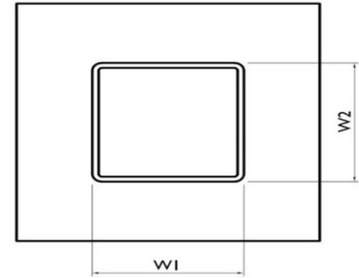
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	10
Plate Height, D_y (in):	10
W1(in):	4
W2 (in):	4
Member Thickness (in):	0.25
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.5
Length of Yield Line, L_y (in):	7.85
Bolt Eccentricity, e (in):	3.06
M_u (kip-in):	7.99
$\Phi * M_n$ (kip-in):	15.90
Plate Bending Utilization:	50.3%



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
6
4
4
16.00
21.33
21.33
85.33
2.25
2.25
1.19
8.35
14.2%



Date: **August 02, 2023**



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

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 5000175325
Site Name: BERLIN KENSINGTON CT

Crown Castle Designation: **BU Number:** 826217
Site Name: Newington_1
JDE Job Number: 751341
Work Order Number: 2246495
Order Number: 654632 Rev. 0

Engineering Firm Designation: **Crown Castle Project Number:** 2246495

Site Data: **240 Kensington Road, Berlin, Hartford County, CT**
Latitude 41° 37' 34.3", Longitude -72° 46' 32.33"
191.667 Foot - Monopole Tower

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

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

LC7: Proposed Equipment Configuration

Sufficient Capacity – 91.1%

This analysis utilizes an ultimate 3-second gust wind speed of 118 mph as required by the 2022 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Blake Jacobsen, EIT

Respectfully submitted by:

Maham Barimani, P.E.
Senior Project Engineer

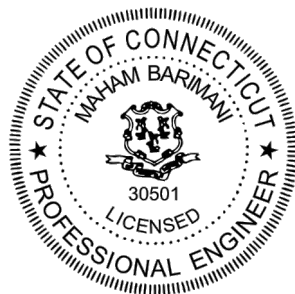


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1) INTRODUCTION

This tower is a 191.667 ft Monopole tower designed by PIROD MANUFACTURES INC. The tower has been modified multiple times to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	118 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 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)
160.0	160.0	1	andrew	HBXX-6517DS-A2M w/ Mount Pipe	13	1-5/8
		2	andrew	LNx-6514DS-A1M w/ Mount Pipe		
		6	commscope	NNHH-65B-R4 w/ Mount Pipe		
		1	kaelus	BSF0020F3V1		
		1	raycap	RVZDC-6627-PF-48		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
		1	tower mounts	Platform Mount [LP 303-1_KCKR-HR-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
192.0	196.0	1	kathrein	OGB4-900D	1	7/8
	192.0	1	tower mounts	Side Arm Mount [SO 701-1]		
191.0	196.0	1	andrew	DB589-A	1	5/16
	191.0	1	tower mounts	Side Arm Mount [SO 701-1]		
	190.0	1	motorola	WB2623 w/ Mount Pipe		
184.0	184.0	3	ericsson	AIR -32 B2A/B66AA w/ Mount Pipe	3	1-5/8
		3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe		
		3	ericsson	RADIO 4415 B25_TMO		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE				
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe				
		1	tower mounts	Platform Mount [LP 405-1_HR-1]				
168.0	171.0	3	fujitsu	TA08025-B604	1	1-3/4		
		3	fujitsu	TA08025-B605				
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe				
	1	raycap	RDIDC-9181-PF-48					
	168.0	1	tower mounts	Sabre_C10801018-32788				
158.0	158.0	1	decibel	DB205-A	2	7/8		
		1	sinclair	SRL-224NM-4				
		2	tower mounts	Side Arm Mount [SO 702-1]				
151.0	151.0	1	tower mounts	Platform Mount [LP 402-1_KCKR]	12	1-1/4		
	149.0	3	ericsson	AIR 6449 N77			3	3/8
		3	cci antennas	DMP65R-BU8D w/ Mount Pipe				
		3	cci antennas	TPA65R-BU8D w/ Mount Pipe				
		3	ericsson	RRUS 32 B30				
		3	ericsson	RRUS 4449 B5/B12				
		3	ericsson	RRUS 4478 B14_CCIV2				
		3	ericsson	RRUS 8843 B2/B66A_CCIV2				
		1	raycap	DC6-48-60-18-8F				
	1	raycap	DC9-48-60-24-8C-EV	4			13/16	
148.0	3	ericsson	AIR 6419 B77G		2	7/8		
150.0	150.0	1	tower mounts	Side Arm Mount [SO 102-1]			-	-
	149.0	1	raycap	DC6-48-60-18-8F				
132.0	132.0	1	sinclair	SRL-235-2	1	7/8		
		1	tower mounts	Side Arm Mount [SO 104-3]				
		1	tower mounts	Side Arm Mount [SO 702-1]				
124.0	124.0	1	decibel	PCS 1900 TMA RX	-	-		
		1	tower mounts	Side Arm Mount [SO 104-3]				
90.0	99.0	1	decibel	DB205-A	1	7/8		
	90.0	1	andrew	KP2F-34			2	1/2
		1	mti wireless edge	MT-485002				
		1	tower mounts	Side Arm Mount [SO 702-3]				
70.0	1	sinclair	SRL-235-2					
70.0	70.0	1	tower mounts	Side Arm Mount [SO 102-3]	2	7/8		
		1	tower mounts	Side Arm Mount [SO 701-1]				
		1	tower mounts	Side Arm Mount [SO 701-1]				
33.0	33.0	1	decibel	DB909XVTE-M	2	1/2		
		1	tower mounts	Side Arm Mount [SO 102-3]				
		1	tower mounts	Side Arm Mount [SO 701-1]				

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	3438510	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	3463552	CCISITES
4-TOWER MANUFACTURER DRAWINGS	3438498	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3678661	CCISITES
4-POST-MODIFICATION INSPECTION	5493013	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	5753424	CCISITES
4-POST-MODIFICATION INSPECTION	5947973	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	4003976	CCISITES

3.1) Analysis Method

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

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
191.67 - 186.67	Pole	TP18x18x0.375	Pole	1.0%	Pass
186.67 - 181.57	Pole	TP24x24x0.375	Pole	3.0%	Pass
181.57 - 176.57	Pole	TP24x24x0.375	Pole	6.5%	Pass
176.57 - 171.57	Pole	TP24x24x0.375	Pole	10.3%	Pass
171.57 - 166.57	Pole	TP24x24x0.375	Pole	15.8%	Pass
166.57 - 161.57	Pole	TP24x24x0.375	Pole	21.9%	Pass
161.57 - 156.57	Pole	TP24x24x0.375	Pole	31.0%	Pass
156.57 - 151.57	Pole	TP24x24x0.375	Pole	40.9%	Pass

151.57 - 146.57	Pole	TP24x24x0.375	Pole	54.6%	Pass
146.57 - 141.57	Pole	TP24x24x0.375	Pole	69.8%	Pass
141.57 - 141.42	Pole	TP24x24x0.375	Pole	70.2%	Pass
141.42 - 136.42	Pole	TP36x36x0.375	Pole	40.5%	Pass
136.42 - 131.42	Pole	TP36x36x0.375	Pole	48.1%	Pass
131.42 - 126.42	Pole	TP36x36x0.375	Pole	55.8%	Pass
126.42 - 121.42	Pole	TP36x36x0.375	Pole	63.7%	Pass
121.42 - 121.17	Pole	TP36x36x0.375	Pole	64.1%	Pass
121.17 - 116.17	Pole	TP42x42x0.375	Pole	54.1%	Pass
116.17 - 111.17	Pole	TP42x42x0.375	Pole	60.2%	Pass
111.17 - 110.04	Pole	TP42x42x0.375	Pole	61.6%	Pass
110.04 - 109.79	Pole + Reinf.	TP42x42x0.4875	Reinf. 13 Tension Rupture	48.0%	Pass
109.79 - 105.08	Pole + Reinf.	TP42x42x0.4875	Reinf. 13 Tension Rupture	52.7%	Pass
105.08 - 104.83	Pole + Reinf.	TP42x42x0.5625	Reinf. 6 Tension Rupture	48.0%	Pass
104.83 - 100.92	Pole + Reinf.	TP42x42x0.5625	Reinf. 6 Tension Rupture	51.7%	Pass
100.92 - 100.67	Pole	TP48x48x0.375	Pole	57.4%	Pass
100.67 - 95.83	Pole	TP48x48x0.375	Pole	62.5%	Pass
95.83 - 95.58	Pole + Reinf.	TP48x48x0.475	Pole	49.8%	Pass
95.58 - 90.58	Pole + Reinf.	TP48x48x0.475	Pole	54.1%	Pass
90.58 - 89.92	Pole + Reinf.	TP48x48x0.475	Pole	54.6%	Pass
89.92 - 89.67	Pole + Reinf.	TP48x48x0.575	Pole	45.5%	Pass
89.67 - 84.67	Pole + Reinf.	TP48x48x0.575	Pole	49.2%	Pass
84.67 - 80.83	Pole + Reinf.	TP48x48x0.575	Pole	52.2%	Pass
80.83 - 80.33	Pole + Reinf.	TP54x54x0.55	Pole	43.8%	Pass
80.33 - 80.08	Pole + Reinf.	TP54x54x0.4875	Pole	49.5%	Pass
80.08 - 75.08	Pole + Reinf.	TP54x54x0.4875	Pole	53.2%	Pass
75.08 - 70.08	Pole + Reinf.	TP54x54x0.4875	Pole	57.0%	Pass
70.08 - 69.5	Pole + Reinf.	TP54x54x0.4875	Pole	57.4%	Pass
69.5 - 69.25	Pole + Reinf.	TP54x54x0.5875	Pole	47.6%	Pass
69.25 - 64.25	Pole + Reinf.	TP54x54x0.5875	Pole	51.1%	Pass
64.25 - 60.58	Pole + Reinf.	TP54x54x0.5875	Pole	53.7%	Pass
60.58 - 60.33	Pole + Reinf.	TP60x60x0.5125	Pole	50.4%	Pass
60.33 - 55.33	Pole + Reinf.	TP60x60x0.5125	Pole	53.7%	Pass
55.33 - 52.17	Pole + Reinf.	TP60x60x0.5125	Pole	55.9%	Pass
52.17 - 51.92	Pole + Reinf.	TP60x60x0.625	Pole	46.8%	Pass
51.92 - 46.92	Pole + Reinf.	TP60x60x0.625	Pole	49.6%	Pass
46.92 - 41.92	Pole + Reinf.	TP60x60x0.625	Pole	52.6%	Pass

41.92 - 40.23	Pole + Reinf.	TP60x60x0.6	Pole	54.1%	Pass
40.23 - 39.98	Pole + Reinf.	TP60x60x0.6	Pole	54.2%	Pass
39.98 - 34.98	Pole + Reinf.	TP60x60x0.6	Pole	57.3%	Pass
34.98 - 29.98	Pole + Reinf.	TP60x60x0.6	Pole	60.4%	Pass
29.98 - 28	Pole + Reinf.	TP60x60x0.6	Pole	61.7%	Pass
28 - 27.75	Pole + Reinf.	TP60x60x0.725	Pole	51.9%	Pass
27.75 - 22.75	Pole + Reinf.	TP60x60x0.725	Pole	54.6%	Pass
22.75 - 20.08	Pole + Reinf.	TP60x60x0.725	Pole	56.1%	Pass
20.08 - 19.83	Pole	TP60x60x0.625	Pole	62.6%	Pass
19.83 - 17	Pole	TP60x60x0.625	Pole	64.4%	Pass
17 - 16.75	Pole + Reinf.	TP60x60x0.725	Pole	55.8%	Pass
16.75 - 11.65	Pole + Reinf.	TP60x60x0.75	Pole	57.2%	Pass
11.65 - 11.42	Pole + Reinf.	TP60x60x0.75	Pole	57.3%	Pass
11.42 - 9.4	Pole + Reinf.	TP60x60x0.75	Pole	58.4%	Pass
9.4 - 9.15	Pole + Reinf.	TP60x60x0.8	Reinf. 7 Tension Rupture	58.1%	Pass
9.15 - 4.83	Pole + Reinf.	TP60x60x0.8	Reinf. 7 Tension Rupture	60.4%	Pass
4.83 - 4.58	Pole + Reinf.	TP60x60x0.75	Pole	61.8%	Pass
4.58 - 0	Pole + Reinf.	TP60x60x0.75	Pole	64.3%	Pass
				Summary	
			Pole	70.2%	Pass
			Reinforcement	62.6%	Pass
			Overall	70.2%	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	41.0	Pass
1	Base Plate	0	69.9	Pass
1	Base Foundation (Structure)	0	84.2	Pass
1	Base Foundation (Soil Interaction)	0	80.6	Pass
1	Flange Connection	181.58	3.5	Pass
1	Flange Connection	141.42	45.3	Pass
1	Flange Connection	121.2	91.1	Pass
1	Flange Connection	100.9	77.9	Pass
1	Flange Connection	80.83	73.6	Pass
1	Flange Connection	60.58	46.5	Pass
1	Flange Connection	40.33	64.8	Pass
1	Flange Connection	20.08	77.4	Pass

Structure Rating (max from all components) =	91.1%
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Notes:

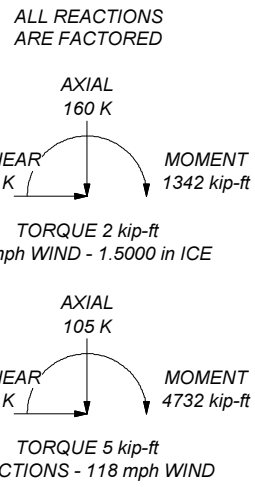
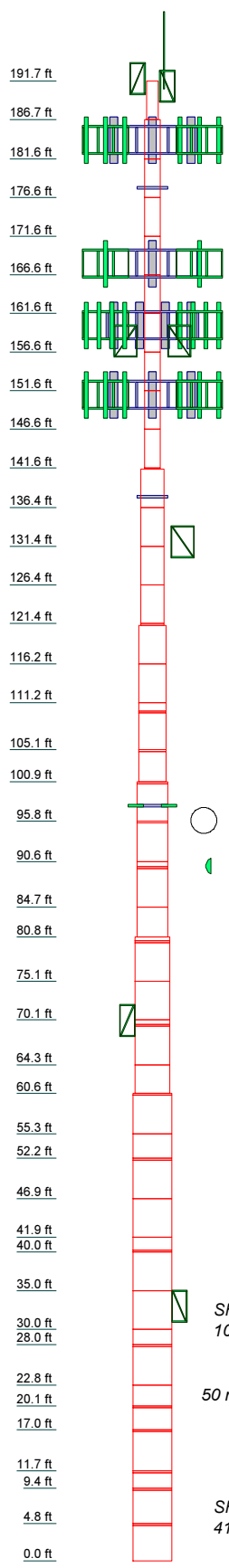
- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

4.1) Recommendations

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

APPENDIX A
TNXTOWER OUTPUT

Section	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Size	P50x60x10x1/2																																																														
Length (ft)	4.50																																																														
Grade	A53-B-42																																																														
Weight (K)	48.0																																																														



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-42	42 ksi	63 ksi			

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 118 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 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: 70.2%

Crown Castle 2000 Corporate Drive Canonsburg, PA 15317 Phone: (724) 416-2000 FAX: (724) 416-2000			Job: BU 826217		
Project: Crown Castle			Drawn by: JJacobsen		App'd:
Code: TIA-222-H			Date: 08/02/23		Scale: NTS
Path:			Dwg No. E-1		

Tower Input Data

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

- Tower is located in Hartford County, Connecticut.
- Tower base elevation above sea level: 133.00 ft.
- Basic wind speed of 118 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.5000 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.
- TOWER RATING: 70.2%.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Section	Elevation	Section Length	Pole Size	Pole Grade	Socket Length
	ft	ft			ft
L1	191.67-186.67	5.00	P18x0.375	A53-B-42	

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L2	186.67-181.57	5.10	P24x0.375	(42 ksi) A53-B-42	
L3	181.57-176.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L4	176.57-171.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L5	171.57-166.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L6	166.57-161.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L7	161.57-156.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L8	156.57-151.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L9	151.57-146.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L10	146.57-141.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L11	141.57-141.42	0.15	P24x0.375	(42 ksi) A53-B-42	
L12	141.42-136.42	5.00	P36x0.375	(42 ksi) A53-B-42	
L13	136.42-131.42	5.00	P36x0.375	(42 ksi) A53-B-42	
L14	131.42-126.42	5.00	P36x0.375	(42 ksi) A53-B-42	
L15	126.42-121.42	5.00	P36x0.375	(42 ksi) A53-B-42	
L16	121.42-121.17	0.25	P36x0.375	(42 ksi) A53-B-42	
L17	121.17-116.17	5.00	P42x0.375	(42 ksi) A53-B-42	
L18	116.17-111.17	5.00	P42x0.375	(42 ksi) A53-B-42	
L19	111.17-110.04	1.13	P42x0.375	(42 ksi) A53-B-42	
L20	110.04-109.79	0.25	P42x0.4875	(42 ksi) A53-B-42	
L21	109.79-105.08	4.71	P42x0.4875	(42 ksi) A53-B-42	
L22	105.08-104.83	0.25	P42x0.5625	(42 ksi) A53-B-42	
L23	104.83-100.92	3.92	P42x0.5625	(42 ksi) A53-B-42	
L24	100.92-100.67	0.25	P48x0.375	(42 ksi) A53-B-42	
L25	100.67-95.83	4.83	P48x0.375	(42 ksi) A53-B-42	
L26	95.83-95.58	0.25	P48x0.475	(42 ksi) A53-B-42	
L27	95.58-90.58	5.00	P48x0.475	(42 ksi) A53-B-42	
L28	90.58-89.92	0.67	P48x0.475	(42 ksi) A53-B-42	
L29	89.92-89.67	0.25	P48x0.575	(42 ksi) A53-B-42	
L30	89.67-84.67	5.00	P48x0.575	(42 ksi) A53-B-42	
L31	84.67-80.83	3.83	P48x0.575	(42 ksi) A53-B-42	
L32	80.83-80.33	0.50	P54x0.55	(42 ksi) A53-B-42	
L33	80.33-80.08	0.25	P54x0.4875	(42 ksi) A53-B-42	
L34	80.08-75.08	5.00	P54x0.4875	(42 ksi) A53-B-42	
L35	75.08-70.08	5.00	P54x0.4875	(42 ksi) A53-B-42	

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L36	70.08-69.50	0.58	P54x0.4875	A53-B-42 (42 ksi)	
L37	69.50-69.25	0.25	P54x0.5875	A53-B-42 (42 ksi)	
L38	69.25-64.25	5.00	P54x0.5875	A53-B-42 (42 ksi)	
L39	64.25-60.58	3.67	P54x0.5875	A53-B-42 (42 ksi)	
L40	60.58-60.33	0.25	P60x0.5125	A53-B-42 (42 ksi)	
L41	60.33-55.33	5.00	P60x0.5125	A53-B-42 (42 ksi)	
L42	55.33-52.17	3.17	P60x0.5125	A53-B-42 (42 ksi)	
L43	52.17-51.92	0.25	P60x0.625	A53-B-42 (42 ksi)	
L44	51.92-46.92	5.00	P60x0.625	A53-B-42 (42 ksi)	
L45	46.92-41.92	5.00	P60x0.625	A53-B-42 (42 ksi)	
L46	41.92-40.23	1.68	P60x0.6	A53-B-42 (42 ksi)	
L47	40.23-39.98	0.25	P60x0.6	A53-B-42 (42 ksi)	
L48	39.98-34.98	5.00	P60x0.6	A53-B-42 (42 ksi)	
L49	34.98-29.98	5.00	P60x0.6	A53-B-42 (42 ksi)	
L50	29.98-28.00	1.98	P60x0.6	A53-B-42 (42 ksi)	
L51	28.00-27.75	0.25	P60x0.725	A53-B-42 (42 ksi)	
L52	27.75-22.75	5.00	P60x0.725	A53-B-42 (42 ksi)	
L53	22.75-20.08	2.67	P60x0.725	A53-B-42 (42 ksi)	
L54	20.08-19.83	0.25	P60x0.625	A53-B-42 (42 ksi)	
L55	19.83-17.00	2.83	P60x0.625	A53-B-42 (42 ksi)	
L56	17.00-16.75	0.25	P60x0.725	A53-B-42 (42 ksi)	
L57	16.75-11.65	5.10	P60x0.75	A53-B-42 (42 ksi)	
L58	11.65-11.42	0.23	P60x0.75	A53-B-42 (42 ksi)	
L59	11.42-9.40	2.02	P60x0.75	A53-B-42 (42 ksi)	
L60	9.40-9.15	0.25	P60x0.8	A53-B-42 (42 ksi)	
L61	9.15-4.83	4.31	P60x0.8	A53-B-42 (42 ksi)	
L62	4.83-4.58	0.25	P60x0.75	A53-B-42 (42 ksi)	
L63	4.58-0.00	4.58	P60x0.75	A53-B-42 (42 ksi)	

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 Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 191.67-186.67				1	1	1			
L2 186.67-181.57				1	1	1			
L3 181.57-				1	1	1			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
176.57									
L4 176.57-171.57				1	1	1			
L5 171.57-166.57				1	1	1			
L6 166.57-161.57				1	1	1			
L7 161.57-156.57				1	1	1			
L8 156.57-151.57				1	1	1			
L9 151.57-146.57				1	1	1			
L10 146.57-141.57				1	1	1			
L11 141.57-141.42				1	1	1			
L12 141.42-136.42				1	1	1			
L13 136.42-131.42				1	1	1			
L14 131.42-126.42				1	1	1			
L15 126.42-121.42				1	1	1			
L16 121.42-121.17				1	1	1			
L17 121.17-116.17				1	1	1			
L18 116.17-111.17				1	1	1			
L19 111.17-110.04				1	1	1			
L20 110.04-109.79				1	1	0.983655			
L21 109.79-105.08				1	1	0.983655			
L22 105.08-104.83				1	1	0.976951			
L23 104.83-100.92				1	1	0.976951			
L24 100.92-100.67				1	1	1			
L25 100.67-95.83				1	1	1			
L26 95.83-95.58				1	1	0.981492			
L27 95.58-90.58				1	1	0.981492			
L28 90.58-89.92				1	1	0.981492			
L29 89.92-89.67				1	1	0.97009			
L30 89.67-84.67				1	1	0.97009			
L31 84.67-80.83				1	1	0.97009			
L32 80.83-80.33				1	1	0.976401			
L33 80.33-80.08				1	1	0.990478			
L34 80.08-75.08				1	1	0.990478			
L35 75.08-70.08				1	1	0.990478			
L36 70.08-69.50				1	1	0.990478			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
L37 69.50-69.25				1	1	1.00601			
L38 69.25-64.25				1	1	1.00601			
L39 64.25-60.58				1	1	1.00601			
L40 60.58-60.33				1	1	0.987891			
L41 60.33-55.33				1	1	0.987891			
L42 55.33-52.17				1	1	0.987891			
L43 52.17-51.92				1	1	1.01747			
L44 51.92-46.92				1	1	1.01747			
L45 46.92-41.92				1	1	1.01747			
L46 41.92-40.23				1	1	0.995499			
L47 40.23-39.98				1	1	0.995499			
L48 39.98-34.98				1	1	0.995499			
L49 34.98-29.98				1	1	0.995499			
L50 29.98-28.00				1	1	0.995499			
L51 28.00-27.75				1	1	1.00337			
L52 27.75-22.75				1	1	1.00337			
L53 22.75-20.08				1	1	1.00337			
L54 20.08-19.83				1	1	1			
L55 19.83-17.00				1	1	1			
L56 17.00-16.75				1	1	1.04129			
L57 16.75-11.65				1	1	1.02849			
L58 11.65-11.42				1	1	1.02849			
L59 11.42-9.40				1	1	1.02849			
L60 9.40-9.15				1	1	1.00535			
L61 9.15-4.83				1	1	1.00535			
L62 4.83-4.58				1	1	1.04998			
L63 4.58-0.00				1	1	1.04998			

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

CU12PSM6P4XXX(1-3/4)	B	No	Surface Ar (CaAa)	168.00 - 0.00	1	1	-0.300 -0.300	1.7500		2.72

AL7-50(1-5/8)	B	No	Surface Ar (CaAa)	160.00 - 4.00	13	11	-0.350 -0.100	1.9600		0.52

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)	191.67 - 4.00	1	1	0.000 0.010	0.3750		0.22
**** * Reinforcement Plates*										
CCI 4" x 0.75" Plate	A	No	Surface Af (CaAa)	10.88 - 0.00	1	1	0.400 0.450	4.0000	9.5000	0.00
CCI 4" x 0.75" Plate	B	No	Surface Af (CaAa)	10.88 - 0.00	1	1	-0.250 -0.200	4.0000	9.5000	0.00
CCI 4" x 0.75" Plate	C	No	Surface Af (CaAa)	13.17 - 3.17	1	1	0.250 0.300	4.0000	9.5000	0.00
* CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	39.75 - 20.75	1	1	0.400 0.500	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	39.75 - 20.75	1	1	0.400 0.500	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	39.75 - 20.75	1	1	0.400 0.500	6.0000	14.0000	0.00
* CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	59.92 - 40.83	1	1	-0.450 -0.400	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	59.92 - 40.83	1	1	-0.450 -0.400	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	59.92 - 40.83	1	1	-0.400 -0.350	6.5000	15.5000	0.00
* CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	80.17 - 61.17	1	1	-0.450 -0.400	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	80.17 - 61.17	1	1	-0.350 -0.300	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	80.17 - 61.17	1	1	-0.450 -0.400	6.0000	14.0000	0.00
* CCI 4" x 0.75" Plate	A	No	Surface Af (CaAa)	106.58 - 101.58	1	1	-0.500 -0.450	4.0000	9.5000	0.00
CCI 4" x 0.75" Plate	B	No	Surface Af (CaAa)	106.58 - 101.58	1	1	-0.500 -0.450	4.0000	9.5000	0.00
CCI 4" x 0.75" Plate	C	No	Surface Af (CaAa)	106.58 - 101.58	1	1	-0.500 -0.450	4.0000	9.5000	0.00
* 1" x 2" Plate	A	No	Surface Af (CaAa)	50.42 - 40.58	1	1	-0.450 -0.400	1.0000	6.0000	6.81
1" x 2" Plate	B	No	Surface Af (CaAa)	50.42 - 40.58	1	1	-0.350 -0.300	1.0000	6.0000	6.81
1" x 2" Plate	B	No	Surface Af (CaAa)	50.42 - 40.58	1	1	0.200 0.250	1.0000	6.0000	6.81
1" x 2" Plate	C	No	Surface Af (CaAa)	50.42 - 40.58	1	1	-0.350 -0.300	1.0000	6.0000	6.81
* 1" x 2" Plate	A	No	Surface Af (CaAa)	66.17 - 61.08	1	1	-0.350 -0.300	1.0000	6.0000	6.81
1" x 2" Plate	B	No	Surface Af (CaAa)	66.17 - 61.08	1	1	-0.450 -0.400	1.0000	6.0000	6.81
1" x 2" Plate	B	No	Surface Af (CaAa)	66.17 - 61.08	1	1	0.300 0.350	1.0000	6.0000	6.81
1" x 2" Plate	C	No	Surface Af (CaAa)	66.17 - 61.08	1	1	-0.450 -0.400	1.0000	6.0000	6.81
* CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	19.00 - 0.00	1	1	0.300 0.350	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	19.00 - 0.00	1	1	0.400 0.450	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	19.00 - 0.00	1	1	0.450 0.500	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	19.00 - 0.00	1	1	-0.500	6.0000	14.0000	0.00

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
*			(CaAa)	0.00			-0.450			
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	30.00 - 17.00	1	1	-0.150 -0.100	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	30.00 - 17.00	1	1	-0.450 -0.400	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	30.00 - 17.00	1	1	0.350 0.400	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	30.00 - 17.00	1	1	-0.500 -0.450	6.0000	14.0000	0.00
*			(CaAa)							
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	50.17 - 37.17	1	1	0.250 0.300	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	50.17 - 37.17	1	1	0.100 0.150	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	50.17 - 37.17	1	1	-0.400 -0.350	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	50.17 - 37.17	1	1	0.450 0.500	6.0000	14.0000	0.00
*			(CaAa)							
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	71.00 - 61.00	1	1	-0.250 -0.200	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	71.00 - 61.00	1	1	-0.450 -0.400	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	71.00 - 61.00	1	1	0.400 0.450	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	71.00 - 61.00	1	1	0.350 0.400	4.5000	11.0000	0.00
*			(CaAa)							
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	97.33 - 81.33	1	1	-0.500 -0.450	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	97.33 - 81.33	1	1	-0.500 -0.450	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	97.33 - 81.33	1	1	-0.500 -0.450	4.5000	11.0000	0.00
*			(CaAa)							
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	111.54 - 101.54	1	1	-0.350 -0.300	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	111.54 - 101.54	1	1	-0.350 -0.300	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	111.54 - 101.54	1	1	-0.350 -0.300	4.5000	11.0000	0.00
*			(CaAa)							
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	91.42 - 81.42	1	1	-0.150 -0.100	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	91.42 - 81.42	1	1	-0.150 -0.100	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	91.42 - 81.42	1	1	-0.150 -0.100	4.5000	11.0000	0.00
*			(CaAa)							
* BS*			(CaAa)							
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	27.50 - 12.67	1	1	0.400 0.450	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	27.50 - 12.67	1	1	-0.250 -0.200	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	27.50 - 12.67	1	1	0.450 0.500	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	27.50 - 12.67	1	1	-0.250 -0.200	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	27.50 - 12.67	1	1	0.350 0.400	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	27.50 - 12.67	1	1	-0.250 -0.200	6.5000	15.5000	27.65
*			(CaAa)							
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	47.83 - 32.83	1	1	0.400 0.450	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	47.83 - 32.83	1	1	-0.400 -0.350	6.5000	15.5000	27.65

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	47.83 - 32.83	1	1	-0.400 -0.350	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	47.83 - 32.83	1	1	-0.250 -0.200	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	47.83 - 32.83	1	1	-0.400 0.350	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	47.83 - 32.83	1	1	-0.250 -0.200	6.5000	15.5000	27.65
*										
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	60.08 - 55.25	1	1	0.200 0.250	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	60.08 - 55.25	1	1	-0.400 -0.350	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	60.08 - 55.25	1	1	0.150 0.200	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	60.08 - 55.25	1	1	-0.350 -0.300	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	60.08 - 55.25	1	1	0.100 0.150	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	60.08 - 55.25	1	1	-0.500 -0.450	8.5000	19.5000	36.16
*										
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	61.08 - 60.08	1	1	0.200 0.250	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	61.08 - 60.08	1	1	-0.400 -0.350	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	61.08 - 60.08	1	1	0.150 0.200	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	61.08 - 60.08	1	1	-0.350 -0.300	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	61.08 - 60.08	1	1	0.100 0.150	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	61.08 - 60.08	1	1	-0.500 -0.450	8.5000	19.5000	36.16
*										
CCI 8.5" x 4.25" Plate	A	No	Surface Af (CaAa)	68.42 - 61.08	1	1	0.200 0.250	8.5000	25.5000	122.94
CCI 8.5" x 4.25" Plate	A	No	Surface Af (CaAa)	68.42 - 61.08	1	1	-0.400 -0.350	8.5000	25.5000	122.94
CCI 8.5" x 4.25" Plate	B	No	Surface Af (CaAa)	68.42 - 61.08	1	1	0.150 0.200	8.5000	25.5000	122.94
CCI 8.5" x 4.25" Plate	B	No	Surface Af (CaAa)	68.42 - 61.08	1	1	-0.350 -0.300	8.5000	25.5000	122.94
CCI 8.5" x 4.25" Plate	C	No	Surface Af (CaAa)	68.42 - 61.08	1	1	0.100 0.150	8.5000	25.5000	122.94
CCI 8.5" x 4.25" Plate	C	No	Surface Af (CaAa)	68.42 - 61.08	1	1	-0.500 -0.450	8.5000	25.5000	122.94
*										
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	73.42 - 68.42	1	1	0.200 0.250	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	73.42 - 68.42	1	1	-0.400 -0.350	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	73.42 - 68.42	1	1	0.150 0.200	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	73.42 - 68.42	1	1	-0.350 -0.300	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	73.42 - 68.42	1	1	0.100 0.150	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	73.42 - 68.42	1	1	-0.500 -0.450	8.5000	19.5000	36.16
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	80.33 - 76.50	1	1	0.050 0.100	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	80.33 - 76.50	1	1	0.000 0.050	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	80.33 - 76.50	1	1	0.150 0.200	6.5000	15.5000	27.65
*										

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	80.50 - 80.33	1	1	0.050 0.100	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	80.50 - 80.33	1	1	0.000 0.050	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	80.50 - 80.33	1	1	0.150 0.200	6.5000	15.5000	27.65
*										
CCI 6.5" x 4.25" Plate	A	No	Surface Af (CaAa)	85.83 - 80.50	1	1	0.050 0.100	6.5000	21.5000	94.01
CCI 6.5" x 4.25" Plate	B	No	Surface Af (CaAa)	85.83 - 80.50	1	1	0.000 0.050	6.5000	21.5000	94.01
CCI 6.5" x 4.25" Plate	C	No	Surface Af (CaAa)	85.83 - 80.50	1	1	0.150 0.200	6.5000	21.5000	94.01
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	89.75 - 85.83	1	1	0.050 0.100	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	89.75 - 85.83	1	1	0.000 0.050	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	89.75 - 85.83	1	1	0.150 0.200	6.5000	15.5000	27.65
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	100.42 - 97.92	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	100.42 - 97.92	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	100.42 - 97.92	1	1	-0.100 -0.050	4.5000	11.0000	15.34
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	101.42 - 100.42	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	101.42 - 100.42	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	101.42 - 100.42	1	1	-0.100 -0.050	4.5000	11.0000	15.34
*										
CCI 4.5" x 4" Plate	A	No	Surface Af (CaAa)	104.42 - 101.42	1	1	-0.150 -0.100	4.5000	17.0000	61.26
CCI 4.5" x 4" Plate	B	No	Surface Af (CaAa)	104.42 - 101.42	1	1	-0.100 -0.050	4.5000	17.0000	61.26
CCI 4.5" x 4" Plate	C	No	Surface Af (CaAa)	104.42 - 101.42	1	1	-0.100 -0.050	4.5000	17.0000	61.26
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	107.17 - 104.42	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	107.17 - 104.42	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	107.17 - 104.42	1	1	-0.100 -0.050	4.5000	11.0000	15.34
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	120.67 - 117.92	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	120.67 - 117.92	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	120.67 - 117.92	1	1	-0.200 -0.150	4.5000	11.0000	15.34
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	121.67 - 120.67	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	121.67 - 120.67	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	121.67 - 120.67	1	1	-0.200 -0.150	4.5000	11.0000	15.34
*										
CCI 4.5" x 4" Plate	A	No	Surface Af (CaAa)	124.42 - 121.67	1	1	-0.150 -0.100	4.5000	17.0000	61.26
CCI 4.5" x 4" Plate	B	No	Surface Af (CaAa)	124.42 - 121.67	1	1	-0.100 -0.050	4.5000	17.0000	61.26
CCI 4.5" x 4" Plate	C	No	Surface Af (CaAa)	124.42 - 121.67	1	1	-0.200 -0.150	4.5000	17.0000	61.26

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
*			(CaAa)	121.67			-0.150			
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	127.17 - 124.42	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	127.17 - 124.42	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	127.17 - 124.42	1	1	-0.200 -0.150	4.5000	11.0000	15.34
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	61.46 - 58.00	1	1	-0.250 -0.200	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	61.46 - 58.00	1	1	-0.450 -0.400	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	61.46 - 58.00	1	1	0.400 0.450	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	61.46 - 58.00	1	1	0.350 0.400	4.5000	11.0000	15.34
*										
CCI 4.5" x 3" Plate	A	No	Surface Af (CaAa)	62.96 - 61.55	1	1	-0.250 -0.200	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	B	No	Surface Af (CaAa)	62.96 - 61.55	1	1	-0.450 -0.400	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	B	No	Surface Af (CaAa)	62.96 - 61.55	1	1	0.400 0.450	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	C	No	Surface Af (CaAa)	62.96 - 61.55	1	1	0.350 0.400	4.5000	15.0000	45.94
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	81.71 - 78.33	1	1	-0.500 -0.450	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	81.71 - 78.33	1	1	-0.500 -0.450	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	81.71 - 78.33	1	1	-0.500 -0.450	4.5000	11.0000	15.34
*										
CCI 4.5" x 3" Plate	A	No	Surface Af (CaAa)	83.21 - 81.71	1	1	-0.500 -0.450	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	B	No	Surface Af (CaAa)	83.21 - 81.71	1	1	-0.500 -0.450	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	C	No	Surface Af (CaAa)	83.21 - 81.71	1	1	-0.500 -0.450	4.5000	15.0000	45.94
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	101.79 - 98.42	1	1	0.300 0.350	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	101.79 - 98.42	1	1	0.300 0.350	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	101.79 - 98.42	1	1	0.300 0.350	4.5000	11.0000	15.34
*										
CCI 4.5" x 3" Plate	A	No	Surface Af (CaAa)	103.29 - 101.79	1	1	0.300 0.350	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	B	No	Surface Af (CaAa)	103.29 - 101.79	1	1	0.300 0.350	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	C	No	Surface Af (CaAa)	103.29 - 101.79	1	1	0.300 0.350	4.5000	15.0000	45.94

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	CaAa ft ² /ft	Weight plf
LDF5-50A(7/8)	B	No	No	Inside Pole	191.67 - 5.00	1	No Ice 1/2" Ice 1" Ice	0.33 0.33 0.33

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _{AA} ft ² /ft	Weight plf
***							2" Ice	0.00	0.33
ATCB-B01-001(5/16)	B	No	No	Inside Pole	191.00 - 5.00	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.07 0.07 0.07 0.07

HB158-21U6S24-xxM_TMO(1-5/8)	C	No	No	Inside Pole	184.00 - 5.00	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	2.50 2.50 2.50 2.50
HCS 6X12 4AWG(1-5/8)	C	No	No	Inside Pole	184.00 - 5.00	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	2.40 2.40 2.40 2.40

LDF5-50A(7/8)	B	No	No	Inside Pole	158.00 - 4.00	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.33 0.33 0.33 0.33

LDF6-50A(1-1/4)	C	No	No	Inside Pole	151.00 - 4.00	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.60 0.60 0.60 0.60

LDF6-50A(1-1/4)	B	No	No	Inside Pole	151.00 - 4.00	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.60 0.60 0.60 0.60
FB-L98B-002-XXX(3/8)	B	No	No	Inside Pole	151.00 - 4.00	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.06 0.06 0.06 0.06
**									
PWRT-606-S(7/8)	B	No	No	Inside Pole	151.00 - 4.00	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.89 0.89 0.89 0.89
PWRT-608-S(13/16)	B	No	No	Inside Pole	151.00 - 4.00	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.62 0.62 0.62 0.62
FB-L98B-235-XXX(3/8)	B	No	No	Inside Pole	151.00 - 4.00	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.06 0.06 0.06 0.06

LDF5-50A(7/8)	B	No	No	Inside Pole	132.00 - 4.00	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.33 0.33 0.33 0.33

ATCB-B01-001(5/16)	B	No	No	Inside Pole	90.00 - 4.00	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.07 0.07 0.07 0.07
LDF4-50A(1/2)	B	No	No	Inside Pole	90.00 - 4.00	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.15 0.15 0.15 0.15
LDF5-50A(7/8)	B	No	No	Inside Pole	90.00 - 4.00	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.33 0.33 0.33 0.33

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _{AA} ft ² /ft	Weight plf
LDF5-50A(7/8)	B	No	No	Inside Pole	70.00 - 4.00	2	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33

LDF4-50A(1/2)	B	No	No	Inside Pole	33.00 - 4.00	2	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15

*									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	191.67-186.67	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	0.188	0.000	0.00
L2	186.67-181.57	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	0.191	0.000	0.02
L3	181.57-176.57	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	0.188	0.000	0.04
L4	176.57-171.57	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	0.188	0.000	0.04
L5	171.57-166.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.251	0.000	0.01
		C	0.000	0.000	0.188	0.000	0.04
L6	166.57-161.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.875	0.000	0.02
		C	0.000	0.000	0.188	0.000	0.04
L7	161.57-156.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	8.277	0.000	0.04
		C	0.000	0.000	0.188	0.000	0.04
L8	156.57-151.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	11.655	0.000	0.05
		C	0.000	0.000	0.188	0.000	0.04
L9	151.57-146.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	11.655	0.000	0.09
		C	0.000	0.000	0.188	0.000	0.05
L10	146.57-141.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	11.655	0.000	0.09
		C	0.000	0.000	0.188	0.000	0.06
L11	141.57-141.42	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.350	0.000	0.00
		C	0.000	0.000	0.006	0.000	0.00
L12	141.42-136.42	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	11.655	0.000	0.09
		C	0.000	0.000	0.188	0.000	0.06
L13	136.42-131.42	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	11.655	0.000	0.09
		C	0.000	0.000	0.188	0.000	0.06
L14	131.42-126.42	A	0.000	0.000	0.395	0.000	0.01
		B	0.000	0.000	12.050	0.000	0.11
		C	0.000	0.000	0.583	0.000	0.07
L15	126.42-121.42	A	0.000	0.000	2.541	0.000	0.20
		B	0.000	0.000	14.196	0.000	0.30

Tower Sectio n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L16	121.42-121.17	C	0.000	0.000	2.729	0.000	0.26
		A	0.000	0.000	0.113	0.000	0.00
		B	0.000	0.000	0.696	0.000	0.01
L17	121.17-116.17	C	0.000	0.000	0.122	0.000	0.01
		A	0.000	0.000	1.675	0.000	0.05
		B	0.000	0.000	13.330	0.000	0.14
		C	0.000	0.000	1.863	0.000	0.11
L18	116.17-111.17	A	0.000	0.000	0.844	0.000	0.00
		B	0.000	0.000	11.655	0.000	0.09
		C	0.000	0.000	0.188	0.000	0.06
L19	111.17-110.04	A	0.000	0.000	2.531	0.000	0.00
		B	0.000	0.000	2.622	0.000	0.02
		C	0.000	0.000	0.042	0.000	0.01
L20	110.04-109.79	A	0.000	0.000	0.563	0.000	0.00
		B	0.000	0.000	0.583	0.000	0.00
		C	0.000	0.000	0.009	0.000	0.00
L21	109.79-105.08	A	0.000	0.000	12.523	0.000	0.03
		B	0.000	0.000	12.904	0.000	0.12
		C	0.000	0.000	2.104	0.000	0.08
L22	105.08-104.83	A	0.000	0.000	0.832	0.000	0.00
		B	0.000	0.000	0.853	0.000	0.01
		C	0.000	0.000	0.279	0.000	0.01
L23	104.83-100.92	A	0.000	0.000	12.345	0.000	0.28
		B	0.000	0.000	14.068	0.000	0.35
		C	0.000	0.000	5.087	0.000	0.32
L24	100.92-100.67	A	0.000	0.000	0.250	0.000	0.01
		B	0.000	0.000	0.833	0.000	0.01
		C	0.000	0.000	0.259	0.000	0.01
L25	100.67-95.83	A	0.000	0.000	3.761	0.000	0.08
		B	0.000	0.000	15.029	0.000	0.17
		C	0.000	0.000	3.943	0.000	0.13
L26	95.83-95.58	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.770	0.000	0.00
		C	0.000	0.000	0.197	0.000	0.00
L27	95.58-90.58	A	0.000	0.000	4.375	0.000	0.00
		B	0.000	0.000	16.031	0.000	0.09
		C	0.000	0.000	4.563	0.000	0.06
L28	90.58-89.92	A	0.000	0.000	0.999	0.000	0.00
		B	0.000	0.000	2.551	0.000	0.01
		C	0.000	0.000	1.024	0.000	0.01
L29	89.92-89.67	A	0.000	0.000	0.438	0.000	0.00
		B	0.000	0.000	1.021	0.000	0.01
		C	0.000	0.000	0.447	0.000	0.01
L30	89.67-84.67	A	0.000	0.000	11.325	0.000	0.22
		B	0.000	0.000	22.980	0.000	0.31
		C	0.000	0.000	11.512	0.000	0.27
L31	84.67-80.83	A	0.000	0.000	9.104	0.000	0.44
		B	0.000	0.000	18.041	0.000	0.52
		C	0.000	0.000	9.248	0.000	0.49
L32	80.83-80.33	A	0.000	0.000	0.642	0.000	0.04
		B	0.000	0.000	1.808	0.000	0.05
		C	0.000	0.000	0.661	0.000	0.05
L33	80.33-80.08	A	0.000	0.000	0.410	0.000	0.01
		B	0.000	0.000	0.993	0.000	0.02
		C	0.000	0.000	0.419	0.000	0.01
L34	80.08-75.08	A	0.000	0.000	8.671	0.000	0.13
		B	0.000	0.000	20.326	0.000	0.22
		C	0.000	0.000	8.858	0.000	0.18
L35	75.08-70.08	A	0.000	0.000	12.297	0.000	0.24
		B	0.000	0.000	24.640	0.000	0.34
		C	0.000	0.000	12.484	0.000	0.30
L36	70.08-69.50	A	0.000	0.000	2.176	0.000	0.04
		B	0.000	0.000	3.972	0.000	0.05
		C	0.000	0.000	2.198	0.000	0.05
L37	69.50-69.25	A	0.000	0.000	0.933	0.000	0.02
		B	0.000	0.000	1.703	0.000	0.02
		C	0.000	0.000	0.942	0.000	0.02
L38	69.25-64.25	A	0.000	0.000	19.430	0.000	1.10
		B	0.000	0.000	35.155	0.000	1.21

Tower Sectio n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L39	64.25-60.58	C	0.000	0.000	19.618	0.000	1.15
		A	0.000	0.000	14.648	0.000	0.91
		B	0.000	0.000	27.292	0.000	1.09
L40	60.58-60.33	C	0.000	0.000	14.786	0.000	0.96
		A	0.000	0.000	0.563	0.000	0.02
		B	0.000	0.000	1.283	0.000	0.03
L41	60.33-55.33	C	0.000	0.000	0.572	0.000	0.02
		A	0.000	0.000	16.020	0.000	0.40
		B	0.000	0.000	28.959	0.000	0.53
L42	55.33-52.17	C	0.000	0.000	16.208	0.000	0.45
		A	0.000	0.000	3.593	0.000	0.01
		B	0.000	0.000	10.973	0.000	0.07
L43	52.17-51.92	C	0.000	0.000	3.712	0.000	0.04
		A	0.000	0.000	0.271	0.000	0.00
		B	0.000	0.000	0.854	0.000	0.01
L44	51.92-46.92	C	0.000	0.000	0.280	0.000	0.00
		A	0.000	0.000	11.228	0.000	0.07
		B	0.000	0.000	23.467	0.000	0.20
L45	46.92-41.92	C	0.000	0.000	14.666	0.000	0.13
		A	0.000	0.000	22.083	0.000	0.31
		B	0.000	0.000	34.572	0.000	0.45
L46	41.92-40.23	C	0.000	0.000	27.271	0.000	0.37
		A	0.000	0.000	6.729	0.000	0.10
		B	0.000	0.000	10.877	0.000	0.15
L47	40.23-39.98	C	0.000	0.000	8.476	0.000	0.12
		A	0.000	0.000	0.792	0.000	0.01
		B	0.000	0.000	1.374	0.000	0.02
L48	39.98-34.98	C	0.000	0.000	1.051	0.000	0.02
		A	0.000	0.000	18.416	0.000	0.28
		B	0.000	0.000	30.071	0.000	0.38
L49	34.98-29.98	C	0.000	0.000	21.420	0.000	0.33
		A	0.000	0.000	9.682	0.000	0.12
		B	0.000	0.000	21.337	0.000	0.22
L50	29.98-28.00	C	0.000	0.000	9.886	0.000	0.17
		A	0.000	0.000	3.966	0.000	0.00
		B	0.000	0.000	8.588	0.000	0.04
L51	28.00-27.75	C	0.000	0.000	6.023	0.000	0.02
		A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	1.083	0.000	0.01
L52	27.75-22.75	C	0.000	0.000	0.759	0.000	0.00
		A	0.000	0.000	20.292	0.000	0.26
		B	0.000	0.000	31.947	0.000	0.37
L53	22.75-20.08	C	0.000	0.000	25.479	0.000	0.32
		A	0.000	0.000	10.445	0.000	0.15
		B	0.000	0.000	16.662	0.000	0.20
L54	20.08-19.83	C	0.000	0.000	13.213	0.000	0.18
		A	0.000	0.000	0.792	0.000	0.01
		B	0.000	0.000	1.374	0.000	0.02
L55	19.83-17.00	C	0.000	0.000	1.051	0.000	0.02
		A	0.000	0.000	10.971	0.000	0.16
		B	0.000	0.000	17.575	0.000	0.21
L56	17.00-16.75	C	0.000	0.000	15.910	0.000	0.19
		A	0.000	0.000	0.792	0.000	0.01
		B	0.000	0.000	1.374	0.000	0.02
L57	16.75-11.65	C	0.000	0.000	1.051	0.000	0.02
		A	0.000	0.000	13.940	0.000	0.23
		B	0.000	0.000	25.828	0.000	0.33
L58	11.65-11.42	C	0.000	0.000	20.243	0.000	0.28
		A	0.000	0.000	0.233	0.000	0.00
		B	0.000	0.000	0.776	0.000	0.00
L59	11.42-9.40	C	0.000	0.000	0.630	0.000	0.00
		A	0.000	0.000	3.007	0.000	0.00
		B	0.000	0.000	7.718	0.000	0.04
L60	9.40-9.15	C	0.000	0.000	5.465	0.000	0.02
		A	0.000	0.000	0.417	0.000	0.00
		B	0.000	0.000	0.999	0.000	0.01
L61	9.15-4.83	C	0.000	0.000	0.676	0.000	0.00
		A	0.000	0.000	7.188	0.000	0.00
		B	0.000	0.000	17.242	0.000	0.09

Tower Section	Tower Elevation	Face	A _R	A _F	C _{AA} In Face	C _{AA} Out Face	Weight
n	ft		ft ²	ft ²	ft ²	ft ²	K
L62	4.83-4.58	C	0.000	0.000	11.663	0.000	0.05
		A	0.000	0.000	0.417	0.000	0.00
		B	0.000	0.000	0.999	0.000	0.01
L63	4.58-0.00	C	0.000	0.000	0.676	0.000	0.00
		A	0.000	0.000	7.638	0.000	0.00
		B	0.000	0.000	9.697	0.000	0.02
		C	0.000	0.000	10.132	0.000	0.00

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation	Face or Leg	Ice Thickness	A _R	A _F	C _{AA} In Face	C _{AA} Out Face	Weight
n	ft		in	ft ²	ft ²	ft ²	ft ²	K
L1	191.67-186.67	A	1.518	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	1.706	0.000	0.02
L2	186.67-181.57	A	1.514	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	1.736	0.000	0.04
L3	181.57-176.57	A	1.510	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	1.697	0.000	0.05
L4	176.57-171.57	A	1.506	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	1.693	0.000	0.05
L5	171.57-166.57	A	1.501	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.681	0.000	0.01
		C		0.000	0.000	1.689	0.000	0.05
L6	166.57-161.57	A	1.497	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	2.372	0.000	0.05
		C		0.000	0.000	1.684	0.000	0.05
L7	161.57-156.57	A	1.492	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	12.900	0.000	0.19
		C		0.000	0.000	1.680	0.000	0.05
L8	156.57-151.57	A	1.487	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	17.697	0.000	0.25
		C		0.000	0.000	1.675	0.000	0.05
L9	151.57-146.57	A	1.483	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	17.686	0.000	0.29
		C		0.000	0.000	1.670	0.000	0.07
L10	146.57-141.57	A	1.477	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	17.674	0.000	0.29
		C		0.000	0.000	1.665	0.000	0.07
L11	141.57-141.42	A	1.475	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.530	0.000	0.01
		C		0.000	0.000	0.050	0.000	0.00
L12	141.42-136.42	A	1.472	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	17.662	0.000	0.29
		C		0.000	0.000	1.660	0.000	0.07
L13	136.42-131.42	A	1.467	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	17.650	0.000	0.29
		C		0.000	0.000	1.654	0.000	0.07
L14	131.42-126.42	A	1.461	0.000	0.000	0.510	0.000	0.02
		B		0.000	0.000	18.147	0.000	0.31
		C		0.000	0.000	2.159	0.000	0.09
L15	126.42-121.42	A	1.455	0.000	0.000	3.327	0.000	0.26
		B		0.000	0.000	20.952	0.000	0.55
		C		0.000	0.000	4.970	0.000	0.33
L16	121.42-121.17	A	1.452	0.000	0.000	0.155	0.000	0.01
		B		0.000	0.000	1.036	0.000	0.02
		C		0.000	0.000	0.237	0.000	0.01
L17	121.17-116.17	A	1.449	0.000	0.000	2.176	0.000	0.08
		B		0.000	0.000	19.786	0.000	0.37
		C		0.000	0.000	3.812	0.000	0.15
L18	116.17-111.17	A	1.443	0.000	0.000	1.028	0.000	0.01
		B		0.000	0.000	17.596	0.000	0.29

Tower Section	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
L19	111.17-110.04	C		0.000	0.000	1.630	0.000	0.07
		A	1.439	0.000	0.000	3.081	0.000	0.03
		B		0.000	0.000	3.957	0.000	0.07
L20	110.04-109.79	C		0.000	0.000	0.366	0.000	0.02
		A	1.438	0.000	0.000	0.685	0.000	0.01
		B		0.000	0.000	0.879	0.000	0.01
L21	109.79-105.08	C		0.000	0.000	0.081	0.000	0.00
		A	1.435	0.000	0.000	15.362	0.000	0.19
		B		0.000	0.000	19.025	0.000	0.34
L22	105.08-104.83	C		0.000	0.000	3.998	0.000	0.13
		A	1.431	0.000	0.000	1.030	0.000	0.02
		B		0.000	0.000	1.224	0.000	0.02
L23	104.83-100.92	C		0.000	0.000	0.427	0.000	0.01
		A	1.429	0.000	0.000	15.424	0.000	0.47
		B		0.000	0.000	20.177	0.000	0.60
L24	100.92-100.67	C		0.000	0.000	7.686	0.000	0.43
		A	1.426	0.000	0.000	0.329	0.000	0.01
		B		0.000	0.000	1.207	0.000	0.03
L25	100.67-95.83	C		0.000	0.000	0.410	0.000	0.02
		A	1.422	0.000	0.000	4.946	0.000	0.14
		B		0.000	0.000	21.913	0.000	0.41
L26	95.83-95.58	C		0.000	0.000	6.502	0.000	0.20
		A	1.418	0.000	0.000	0.258	0.000	0.00
		B		0.000	0.000	1.135	0.000	0.02
L27	95.58-90.58	C		0.000	0.000	0.339	0.000	0.01
		A	1.414	0.000	0.000	5.924	0.000	0.05
		B		0.000	0.000	23.456	0.000	0.34
L28	90.58-89.92	C		0.000	0.000	7.525	0.000	0.12
		A	1.410	0.000	0.000	1.293	0.000	0.01
		B		0.000	0.000	3.627	0.000	0.05
L29	89.92-89.67	C		0.000	0.000	1.506	0.000	0.02
		A	1.409	0.000	0.000	0.561	0.000	0.01
		B		0.000	0.000	1.437	0.000	0.02
L30	89.67-84.67	C		0.000	0.000	0.641	0.000	0.01
		A	1.405	0.000	0.000	14.273	0.000	0.37
		B		0.000	0.000	31.784	0.000	0.65
L31	84.67-80.83	C		0.000	0.000	15.866	0.000	0.44
		A	1.398	0.000	0.000	11.514	0.000	0.58
		B		0.000	0.000	24.929	0.000	0.80
L32	80.83-80.33	C		0.000	0.000	12.730	0.000	0.64
		A	1.394	0.000	0.000	0.796	0.000	0.05
		B		0.000	0.000	2.545	0.000	0.08
L33	80.33-80.08	C		0.000	0.000	0.955	0.000	0.06
		A	1.393	0.000	0.000	0.507	0.000	0.02
		B		0.000	0.000	1.382	0.000	0.03
L34	80.08-75.08	C		0.000	0.000	0.586	0.000	0.02
		A	1.389	0.000	0.000	10.839	0.000	0.23
		B		0.000	0.000	28.314	0.000	0.52
L35	75.08-70.08	C		0.000	0.000	12.415	0.000	0.30
		A	1.380	0.000	0.000	14.775	0.000	0.39
		B		0.000	0.000	33.061	0.000	0.68
L36	70.08-69.50	C		0.000	0.000	16.342	0.000	0.46
		A	1.374	0.000	0.000	2.594	0.000	0.07
		B		0.000	0.000	5.156	0.000	0.11
L37	69.50-69.25	C		0.000	0.000	2.776	0.000	0.08
		A	1.373	0.000	0.000	1.112	0.000	0.03
		B		0.000	0.000	2.211	0.000	0.05
L38	69.25-64.25	C		0.000	0.000	1.190	0.000	0.03
		A	1.368	0.000	0.000	23.445	0.000	1.36
		B		0.000	0.000	46.077	0.000	1.72
L39	64.25-60.58	C		0.000	0.000	25.001	0.000	1.43
		A	1.359	0.000	0.000	18.035	0.000	1.13
		B		0.000	0.000	36.324	0.000	1.51
L40	60.58-60.33	C		0.000	0.000	19.169	0.000	1.18
		A	1.355	0.000	0.000	0.678	0.000	0.03
		B		0.000	0.000	1.722	0.000	0.05
L41	60.33-55.33	C		0.000	0.000	0.755	0.000	0.03
		A	1.349	0.000	0.000	19.007	0.000	0.60
		B		0.000	0.000	38.015	0.000	0.94

Tower Section	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
L42	55.33-52.17	C	1.339	0.000	0.000	20.543	0.000	0.67
		A		0.000	0.000	4.463	0.000	0.04
		B		0.000	0.000	15.456	0.000	0.22
L43	52.17-51.92	C	1.334	0.000	0.000	5.429	0.000	0.09
		A		0.000	0.000	0.337	0.000	0.00
		B		0.000	0.000	1.205	0.000	0.02
L44	51.92-46.92	C	1.328	0.000	0.000	0.414	0.000	0.01
		A		0.000	0.000	14.294	0.000	0.20
		B		0.000	0.000	33.138	0.000	0.52
L45	46.92-41.92	C	1.313	0.000	0.000	19.546	0.000	0.30
		A		0.000	0.000	27.227	0.000	0.54
		B		0.000	0.000	46.674	0.000	0.89
L46	41.92-40.23	C	1.303	0.000	0.000	34.471	0.000	0.66
		A		0.000	0.000	8.203	0.000	0.17
		B		0.000	0.000	14.593	0.000	0.28
L47	40.23-39.98	C	1.300	0.000	0.000	10.638	0.000	0.21
		A		0.000	0.000	0.917	0.000	0.02
		B		0.000	0.000	1.780	0.000	0.04
L48	39.98-34.98	C	1.291	0.000	0.000	1.278	0.000	0.03
		A		0.000	0.000	21.816	0.000	0.45
		B		0.000	0.000	39.071	0.000	0.73
L49	34.98-29.98	C	1.273	0.000	0.000	26.523	0.000	0.55
		A		0.000	0.000	11.705	0.000	0.21
		B		0.000	0.000	28.920	0.000	0.48
L50	29.98-28.00	C	1.259	0.000	0.000	13.185	0.000	0.28
		A		0.000	0.000	4.749	0.000	0.04
		B		0.000	0.000	11.563	0.000	0.14
L51	28.00-27.75	C	1.254	0.000	0.000	7.589	0.000	0.08
		A		0.000	0.000	0.598	0.000	0.00
		B		0.000	0.000	1.457	0.000	0.02
L52	27.75-22.75	C	1.241	0.000	0.000	0.956	0.000	0.01
		A		0.000	0.000	23.807	0.000	0.45
		B		0.000	0.000	40.950	0.000	0.72
L53	22.75-20.08	C	1.221	0.000	0.000	30.943	0.000	0.56
		A		0.000	0.000	12.175	0.000	0.24
		B		0.000	0.000	21.294	0.000	0.38
L54	20.08-19.83	C	1.212	0.000	0.000	15.964	0.000	0.30
		A		0.000	0.000	0.907	0.000	0.02
		B		0.000	0.000	1.761	0.000	0.03
L55	19.83-17.00	C	1.203	0.000	0.000	1.262	0.000	0.03
		A		0.000	0.000	12.754	0.000	0.25
		B		0.000	0.000	22.418	0.000	0.40
L56	17.00-16.75	C	1.192	0.000	0.000	19.245	0.000	0.33
		A		0.000	0.000	0.931	0.000	0.02
		B		0.000	0.000	1.783	0.000	0.03
L57	16.75-11.65	C	1.172	0.000	0.000	1.310	0.000	0.03
		A		0.000	0.000	16.424	0.000	0.34
		B		0.000	0.000	33.751	0.000	0.61
L58	11.65-11.42	C	1.148	0.000	0.000	25.377	0.000	0.46
		A		0.000	0.000	0.286	0.000	0.00
		B		0.000	0.000	1.076	0.000	0.01
L59	11.42-9.40	C	1.136	0.000	0.000	0.830	0.000	0.01
		A		0.000	0.000	3.755	0.000	0.03
		B		0.000	0.000	10.588	0.000	0.13
L60	9.40-9.15	C	1.123	0.000	0.000	7.180	0.000	0.07
		A		0.000	0.000	0.521	0.000	0.00
		B		0.000	0.000	1.365	0.000	0.02
L61	9.15-4.83	C	1.092	0.000	0.000	0.886	0.000	0.01
		A		0.000	0.000	8.952	0.000	0.06
		B		0.000	0.000	23.449	0.000	0.27
L62	4.83-4.58	C	1.049	0.000	0.000	15.190	0.000	0.15
		A		0.000	0.000	0.516	0.000	0.00
		B		0.000	0.000	1.351	0.000	0.02
L63	4.58-0.00	C	0.976	0.000	0.000	0.873	0.000	0.01
		A		0.000	0.000	9.355	0.000	0.05
		B		0.000	0.000	12.766	0.000	0.10
		C		0.000	0.000	12.250	0.000	0.07

Feed Line Center of Pressure

Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L1	191.67-186.67	-0.0038	0.3675	-0.0134	1.2820
L2	186.67-181.57	-0.0039	0.3693	-0.0143	1.3629
L3	181.57-176.57	-0.0039	0.3693	-0.0142	1.3603
L4	176.57-171.57	-0.0039	0.3693	-0.0142	1.3576
L5	171.57-166.57	0.2003	-0.1032	0.2111	0.7920
L6	166.57-161.57	0.6454	-1.1337	0.6954	-0.4199
L7	161.57-156.57	4.2058	-6.5447	3.0557	-4.3283
L8	156.57-151.57	4.8491	-7.5223	3.5819	-5.2000
L9	151.57-146.57	4.8491	-7.5223	3.5826	-5.2020
L10	146.57-141.57	4.8491	-7.5223	3.5833	-5.2040
L11	141.57-141.42	4.8491	-7.5223	3.5837	-5.2051
L12	141.42-136.42	5.9432	-9.2184	4.4003	-6.3705
L13	136.42-131.42	5.9432	-9.2184	4.4007	-6.3724
L14	131.42-126.42	5.7337	-8.7072	4.3182	-6.1396
L15	126.42-121.42	4.9133	-6.6722	3.9572	-5.0908
L16	121.42-121.17	4.9885	-6.8888	3.9740	-5.1662
L17	121.17-116.17	5.6472	-8.0194	4.4297	-5.9310
L18	116.17-111.17	5.4528	-8.9225	4.1922	-6.3131
L19	111.17-110.04	-2.1531	-0.9402	-0.8624	-1.2884
L20	110.04-109.79	-2.1531	-0.9402	-0.8624	-1.2886
L21	109.79-105.08	-1.8476	-0.6695	-0.7809	-1.0394
L22	105.08-104.83	-1.2217	-0.3322	-0.6677	-0.7594
L23	104.83-100.92	-0.6457	-0.8109	-0.1431	-1.1861
L24	100.92-100.67	3.1186	-4.6932	3.4880	-4.8973
L25	100.67-95.83	4.4965	-6.8414	3.7580	-5.3419
L26	95.83-95.58	4.5942	-7.1255	3.7798	-5.4743
L27	95.58-90.58	4.3610	-6.7638	3.6482	-5.2846
L28	90.58-89.92	2.7545	-4.2721	3.0990	-4.4899
L29	89.92-89.67	2.3505	-4.1604	2.7104	-4.3773
L30	89.67-84.67	1.6691	-3.9749	2.0419	-4.1871
L31	84.67-80.83	1.5893	-3.8670	1.9494	-4.0750
L32	80.83-80.33	2.2763	-5.3747	2.7904	-5.7190
L33	80.33-80.08	2.3816	-4.9395	2.8761	-5.2654
L34	80.08-75.08	3.1396	-4.7498	3.5999	-5.0597
L35	75.08-70.08	3.3386	-4.0087	3.7254	-4.3490
L36	70.08-69.50	0.9826	-2.7659	1.3272	-3.0694
L37	69.50-69.25	0.9826	-2.7659	1.3272	-3.0694
L38	69.25-64.25	1.0687	-2.6653	1.4276	-2.9111
L39	64.25-60.58	0.3501	-2.3365	0.6813	-2.4993
L40	60.58-60.33	1.2287	-3.9035	1.5853	-4.2780
L41	60.33-55.33	2.1666	-3.3770	2.4851	-3.7251
L42	55.33-52.17	4.3083	-6.2820	3.7534	-5.1413
L43	52.17-51.92	4.3211	-6.3560	3.7552	-5.1781
L44	51.92-46.92	3.9561	-4.9794	4.4982	-4.9534
L45	46.92-41.92	3.8646	-4.7125	4.3110	-4.6201
L46	41.92-40.23	4.0909	-5.1602	4.5250	-5.1311
L47	40.23-39.98	4.5200	-6.3216	4.8637	-6.6388
L48	39.98-34.98	3.6415	-5.1590	3.9527	-5.4396
L49	34.98-29.98	3.3413	-5.0333	3.7913	-5.4283
L50	29.98-28.00	-0.5460	-6.3115	0.1350	-6.5997
L51	28.00-27.75	-0.5460	-6.3115	0.1346	-6.6007
L52	27.75-22.75	-0.5133	-3.9179	-0.0304	-4.2330
L53	22.75-20.08	-0.5312	-3.9738	-0.0393	-4.3061
L54	20.08-19.83	-0.5980	-4.4739	-0.0450	-4.8661
L55	19.83-17.00	0.3243	-4.3415	0.8338	-4.6822
L56	17.00-16.75	3.2699	-3.3694	3.7066	-3.8105
L57	16.75-11.65	3.1817	-3.5343	3.6124	-3.9732
L58	11.65-11.42	3.5065	-5.0163	3.9478	-5.4271
L59	11.42-9.40	4.1509	-6.9791	4.5864	-7.4442
L60	9.40-9.15	4.3653	-7.6321	4.7975	-8.1144
L61	9.15-4.83	4.3653	-7.6321	4.7957	-8.1206
L62	4.83-4.58	4.3653	-7.6321	4.7931	-8.1290
L63	4.58-0.00	3.6979	-5.7099	4.1356	-6.5483

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	46	Safety Line 3/8	186.67 - 191.67	1.0000	1.0000
L2	46	Safety Line 3/8	181.57 - 186.67	1.0000	1.0000
L3	46	Safety Line 3/8	176.57 - 181.57	1.0000	1.0000
L4	46	Safety Line 3/8	171.57 - 176.57	1.0000	1.0000
L5	8	CU12PSM6P4XXX(1-3/4)	166.57 - 168.00	1.0000	1.0000
L5	46	Safety Line 3/8	166.57 - 171.57	1.0000	1.0000
L6	8	CU12PSM6P4XXX(1-3/4)	161.57 - 166.57	1.0000	1.0000
L6	46	Safety Line 3/8	161.57 - 166.57	1.0000	1.0000
L7	8	CU12PSM6P4XXX(1-3/4)	156.57 - 161.57	1.0000	1.0000
L7	10	AL7-50(1-5/8)	156.57 - 160.00	1.0000	1.0000
L7	46	Safety Line 3/8	156.57 - 161.57	1.0000	1.0000
L8	8	CU12PSM6P4XXX(1-3/4)	151.57 - 156.57	1.0000	1.0000
L8	10	AL7-50(1-5/8)	151.57 - 156.57	1.0000	1.0000
L8	46	Safety Line 3/8	151.57 - 156.57	1.0000	1.0000
L9	8	CU12PSM6P4XXX(1-3/4)	146.57 - 151.57	1.0000	1.0000
L9	10	AL7-50(1-5/8)	146.57 - 151.57	1.0000	1.0000
L9	46	Safety Line 3/8	146.57 - 151.57	1.0000	1.0000
L10	8	CU12PSM6P4XXX(1-3/4)	141.57 - 146.57	1.0000	1.0000
L10	10	AL7-50(1-5/8)	141.57 - 146.57	1.0000	1.0000
L10	46	Safety Line 3/8	141.57 - 146.57	1.0000	1.0000
L11	8	CU12PSM6P4XXX(1-3/4)	141.42 - 141.57	1.0000	1.0000
L11	10	AL7-50(1-5/8)	141.42 - 141.57	1.0000	1.0000
L11	46	Safety Line 3/8	141.42 - 141.57	1.0000	1.0000
L12	8	CU12PSM6P4XXX(1-3/4)	136.42 - 141.42	1.0000	1.0000
L12	10	AL7-50(1-5/8)	136.42 - 141.42	1.0000	1.0000
L12	46	Safety Line 3/8	136.42 - 141.42	1.0000	1.0000
L13	8	CU12PSM6P4XXX(1-3/4)	131.42 - 136.42	1.0000	1.0000
L13	10	AL7-50(1-5/8)	131.42 - 136.42	1.0000	1.0000
L13	46	Safety Line 3/8	131.42 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L14	8	CU12PSM6P4XXX(1-3/4)	136.42 - 126.42	1.0000	1.0000
L14	10	AL7-50(1-5/8)	131.42 - 126.42	1.0000	1.0000
L14	46	Safety Line 3/8	131.42 - 126.42	1.0000	1.0000
L14	199	CCI 4.5" x 1" Plate	127.17 - 126.42	1.0000	1.0000
L14	200	CCI 4.5" x 1" Plate	127.17 - 126.42	1.0000	1.0000
L14	201	CCI 4.5" x 1" Plate	127.17 - 126.42	1.0000	1.0000
L15	8	CU12PSM6P4XXX(1-3/4)	121.42 - 126.42	1.0000	1.0000
L15	10	AL7-50(1-5/8)	121.42 - 126.42	1.0000	1.0000
L15	46	Safety Line 3/8	121.42 - 126.42	1.0000	1.0000
L15	191	CCI 4.5" x 1" Plate	121.67 - 121.42	1.0000	1.0000
L15	192	CCI 4.5" x 1" Plate	121.67 - 121.42	1.0000	1.0000
L15	193	CCI 4.5" x 1" Plate	121.67 - 121.42	1.0000	1.0000
L15	195	CCI 4.5" x 4" Plate	124.42 - 121.67	1.0000	1.0000
L15	196	CCI 4.5" x 4" Plate	124.42 - 121.67	1.0000	1.0000
L15	197	CCI 4.5" x 4" Plate	124.42 - 121.67	1.0000	1.0000
L15	199	CCI 4.5" x 1" Plate	126.42 - 124.42	1.0000	1.0000
L15	200	CCI 4.5" x 1" Plate	126.42 - 124.42	1.0000	1.0000
L15	201	CCI 4.5" x 1" Plate	126.42 - 124.42	1.0000	1.0000
L16	8	CU12PSM6P4XXX(1-3/4)	121.17 - 121.42	1.0000	1.0000
L16	10	AL7-50(1-5/8)	121.17 - 121.42	1.0000	1.0000
L16	46	Safety Line 3/8	121.17 - 121.42	1.0000	1.0000
L16	191	CCI 4.5" x 1" Plate	121.42 - 121.17	1.0000	1.0000
L16	192	CCI 4.5" x 1" Plate	121.42 - 121.17	1.0000	1.0000
L16	193	CCI 4.5" x 1" Plate	121.42 - 121.17	1.0000	1.0000
L17	8	CU12PSM6P4XXX(1-3/4)	116.17 - 121.17	1.0000	1.0000
L17	10	AL7-50(1-5/8)	116.17 - 121.17	1.0000	1.0000
L17	46	Safety Line 3/8	116.17 - 121.17	1.0000	1.0000
L17	187	CCI 4.5" x 1" Plate	120.67 - 117.92	1.0000	1.0000
L17	188	CCI 4.5" x 1" Plate	120.67 - 117.92	1.0000	1.0000
L17	189	CCI 4.5" x 1" Plate	120.67 - 117.92	1.0000	1.0000
L17	191	CCI 4.5" x 1" Plate	121.17 - 120.67	1.0000	1.0000
L17	192	CCI 4.5" x 1" Plate	121.17 - 120.67	1.0000	1.0000
L17	193	CCI 4.5" x 1" Plate	121.17 - 120.67	1.0000	1.0000
L18	8	CU12PSM6P4XXX(1-3/4)	111.17 - 116.17	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L18	10	AL7-50(1-5/8)	111.17 - 116.17	1.0000	1.0000
L18	46	Safety Line 3/8	111.17 - 116.17	1.0000	1.0000
L18	104	CCI 4.5" x 1" Plate	111.17 - 111.54	1.0000	1.0000
L18	105	CCI 4.5" x 1" Plate	111.17 - 111.54	1.0000	1.0000
L18	106	CCI 4.5" x 1" Plate	111.17 - 111.54	1.0000	1.0000
L19	8	CU12PSM6P4XXX(1-3/4)	110.04 - 111.17	1.0000	1.0000
L19	10	AL7-50(1-5/8)	110.04 - 111.17	1.0000	1.0000
L19	46	Safety Line 3/8	110.04 - 111.17	1.0000	1.0000
L19	104	CCI 4.5" x 1" Plate	110.04 - 111.17	1.0000	1.0000
L19	105	CCI 4.5" x 1" Plate	110.04 - 111.17	1.0000	1.0000
L19	106	CCI 4.5" x 1" Plate	110.04 - 111.17	1.0000	1.0000
L20	8	CU12PSM6P4XXX(1-3/4)	109.79 - 110.04	1.0000	1.0000
L20	10	AL7-50(1-5/8)	109.79 - 110.04	1.0000	1.0000
L20	46	Safety Line 3/8	109.79 - 110.04	1.0000	1.0000
L20	104	CCI 4.5" x 1" Plate	109.79 - 110.04	1.0000	1.0000
L20	105	CCI 4.5" x 1" Plate	109.79 - 110.04	1.0000	1.0000
L20	106	CCI 4.5" x 1" Plate	109.79 - 110.04	1.0000	1.0000
L21	8	CU12PSM6P4XXX(1-3/4)	105.08 - 109.79	1.0000	1.0000
L21	10	AL7-50(1-5/8)	105.08 - 109.79	1.0000	1.0000
L21	46	Safety Line 3/8	105.08 - 109.79	1.0000	1.0000
L21	66	CCI 4" x 0.75" Plate	105.08 - 106.58	1.0000	1.0000
L21	67	CCI 4" x 0.75" Plate	105.08 - 106.58	1.0000	1.0000
L21	68	CCI 4" x 0.75" Plate	105.08 - 106.58	1.0000	1.0000
L21	104	CCI 4.5" x 1" Plate	105.08 - 109.79	1.0000	1.0000
L21	105	CCI 4.5" x 1" Plate	105.08 - 109.79	1.0000	1.0000
L21	106	CCI 4.5" x 1" Plate	105.08 - 109.79	1.0000	1.0000
L21	183	CCI 4.5" x 1" Plate	105.08 - 107.17	1.0000	1.0000
L21	184	CCI 4.5" x 1" Plate	105.08 - 107.17	1.0000	1.0000
L21	185	CCI 4.5" x 1" Plate	105.08 - 107.17	1.0000	1.0000
L22	8	CU12PSM6P4XXX(1-3/4)	104.83 - 105.08	1.0000	1.0000
L22	10	AL7-50(1-5/8)	104.83 - 105.08	1.0000	1.0000
L22	46	Safety Line 3/8	104.83 - 105.08	1.0000	1.0000
L22	66	CCI 4" x 0.75" Plate	104.83 - 105.08	1.0000	1.0000
L22	67	CCI 4" x 0.75" Plate	104.83 - 105.08	1.0000	1.0000
L22	68	CCI 4" x 0.75" Plate	104.83 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
			105.08		
L22	104	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L22	105	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L22	106	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L22	183	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L22	184	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L22	185	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L23	8	CU12PSM6P4XXX(1-3/4)	100.92 - 104.83	1.0000	1.0000
L23	10	AL7-50(1-5/8)	100.92 - 104.83	1.0000	1.0000
L23	46	Safety Line 3/8	100.92 - 104.83	1.0000	1.0000
L23	66	CCI 4" x 0.75" Plate	101.58 - 104.83	1.0000	1.0000
L23	67	CCI 4" x 0.75" Plate	101.58 - 104.83	1.0000	1.0000
L23	68	CCI 4" x 0.75" Plate	101.58 - 104.83	1.0000	1.0000
L23	104	CCI 4.5" x 1" Plate	101.54 - 104.83	1.0000	1.0000
L23	105	CCI 4.5" x 1" Plate	101.54 - 104.83	1.0000	1.0000
L23	106	CCI 4.5" x 1" Plate	101.54 - 104.83	1.0000	1.0000
L23	175	CCI 4.5" x 1" Plate	100.92 - 101.42	1.0000	1.0000
L23	176	CCI 4.5" x 1" Plate	100.92 - 101.42	1.0000	1.0000
L23	177	CCI 4.5" x 1" Plate	100.92 - 101.42	1.0000	1.0000
L23	179	CCI 4.5" x 4" Plate	101.42 - 104.42	1.0000	1.0000
L23	180	CCI 4.5" x 4" Plate	101.42 - 104.42	1.0000	1.0000
L23	181	CCI 4.5" x 4" Plate	101.42 - 104.42	1.0000	1.0000
L23	183	CCI 4.5" x 1" Plate	104.42 - 104.83	1.0000	1.0000
L23	184	CCI 4.5" x 1" Plate	104.42 - 104.83	1.0000	1.0000
L23	185	CCI 4.5" x 1" Plate	104.42 - 104.83	1.0000	1.0000
L23	221	CCI 4.5" x 1" Plate	100.92 - 101.79	1.0000	1.0000
L23	222	CCI 4.5" x 1" Plate	100.92 - 101.79	1.0000	1.0000
L23	223	CCI 4.5" x 1" Plate	100.92 - 101.79	1.0000	1.0000
L23	225	CCI 4.5" x 3" Plate	101.79 - 103.29	1.0000	1.0000
L23	226	CCI 4.5" x 3" Plate	101.79 - 103.29	1.0000	1.0000
L23	227	CCI 4.5" x 3" Plate	101.79 - 103.29	1.0000	1.0000
L24	8	CU12PSM6P4XXX(1-3/4)	100.67 - 100.92	1.0000	1.0000
L24	10	AL7-50(1-5/8)	100.67 - 100.92	1.0000	1.0000
L24	46	Safety Line 3/8	100.67 - 100.92	1.0000	1.0000
L24	175	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L24	176	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000
L24	177	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000
L24	221	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000
L24	222	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000
L24	223	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000
L25	8	CU12PSM6P4XXX(1-3/4)	95.83 - 100.67	1.0000	1.0000
L25	10	AL7-50(1-5/8)	95.83 - 100.67	1.0000	1.0000
L25	46	Safety Line 3/8	95.83 - 100.67	1.0000	1.0000
L25	100	CCI 4.5" x 1" Plate	95.83 - 97.33	1.0000	1.0000
L25	101	CCI 4.5" x 1" Plate	95.83 - 97.33	1.0000	1.0000
L25	102	CCI 4.5" x 1" Plate	95.83 - 97.33	1.0000	1.0000
L25	171	CCI 4.5" x 1" Plate	97.92 - 100.42	1.0000	1.0000
L25	172	CCI 4.5" x 1" Plate	97.92 - 100.42	1.0000	1.0000
L25	173	CCI 4.5" x 1" Plate	97.92 - 100.42	1.0000	1.0000
L25	175	CCI 4.5" x 1" Plate	100.42 - 100.67	1.0000	1.0000
L25	176	CCI 4.5" x 1" Plate	100.42 - 100.67	1.0000	1.0000
L25	177	CCI 4.5" x 1" Plate	100.42 - 100.67	1.0000	1.0000
L25	221	CCI 4.5" x 1" Plate	98.42 - 100.67	1.0000	1.0000
L25	222	CCI 4.5" x 1" Plate	98.42 - 100.67	1.0000	1.0000
L25	223	CCI 4.5" x 1" Plate	98.42 - 100.67	1.0000	1.0000
L26	8	CU12PSM6P4XXX(1-3/4)	95.58 - 95.83	1.0000	1.0000
L26	10	AL7-50(1-5/8)	95.58 - 95.83	1.0000	1.0000
L26	46	Safety Line 3/8	95.58 - 95.83	1.0000	1.0000
L26	100	CCI 4.5" x 1" Plate	95.58 - 95.83	1.0000	1.0000
L26	101	CCI 4.5" x 1" Plate	95.58 - 95.83	1.0000	1.0000
L26	102	CCI 4.5" x 1" Plate	95.58 - 95.83	1.0000	1.0000
L27	8	CU12PSM6P4XXX(1-3/4)	90.58 - 95.58	1.0000	1.0000
L27	10	AL7-50(1-5/8)	90.58 - 95.58	1.0000	1.0000
L27	46	Safety Line 3/8	90.58 - 95.58	1.0000	1.0000
L27	100	CCI 4.5" x 1" Plate	90.58 - 95.58	1.0000	1.0000
L27	101	CCI 4.5" x 1" Plate	90.58 - 95.58	1.0000	1.0000
L27	102	CCI 4.5" x 1" Plate	90.58 - 95.58	1.0000	1.0000
L27	108	CCI 4.5" x 1" Plate	90.58 - 91.42	1.0000	1.0000
L27	109	CCI 4.5" x 1" Plate	90.58 - 91.42	1.0000	1.0000
L27	110	CCI 4.5" x 1" Plate	90.58 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L28	8	CU12PSM6P4XXX(1-3/4)	91.42 89.92 -	1.0000	1.0000
L28	10	AL7-50(1-5/8)	90.58 89.92 -	1.0000	1.0000
L28	46	Safety Line 3/8	90.58 89.92 -	1.0000	1.0000
L28	100	CCI 4.5" x 1" Plate	90.58 89.92 -	1.0000	1.0000
L28	101	CCI 4.5" x 1" Plate	90.58 89.92 -	1.0000	1.0000
L28	102	CCI 4.5" x 1" Plate	90.58 89.92 -	1.0000	1.0000
L28	108	CCI 4.5" x 1" Plate	90.58 89.92 -	1.0000	1.0000
L28	109	CCI 4.5" x 1" Plate	90.58 89.92 -	1.0000	1.0000
L28	110	CCI 4.5" x 1" Plate	90.58 89.92 -	1.0000	1.0000
L29	8	CU12PSM6P4XXX(1-3/4)	89.67 - 89.92	1.0000	1.0000
L29	10	AL7-50(1-5/8)	89.67 - 89.92	1.0000	1.0000
L29	46	Safety Line 3/8	89.67 - 89.92	1.0000	1.0000
L29	100	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	101	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	102	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	108	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	109	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	110	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	167	CCI 6.5" x 1.25" Plate	89.67 - 89.75	1.0000	1.0000
L29	168	CCI 6.5" x 1.25" Plate	89.67 - 89.75	1.0000	1.0000
L29	169	CCI 6.5" x 1.25" Plate	89.67 - 89.75	1.0000	1.0000
L30	8	CU12PSM6P4XXX(1-3/4)	84.67 - 89.67	1.0000	1.0000
L30	10	AL7-50(1-5/8)	84.67 - 89.67	1.0000	1.0000
L30	46	Safety Line 3/8	84.67 - 89.67	1.0000	1.0000
L30	100	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000
L30	101	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000
L30	102	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000
L30	108	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000
L30	109	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000
L30	110	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000
L30	163	CCI 6.5" x 4.25" Plate	84.67 - 85.83	1.0000	1.0000
L30	164	CCI 6.5" x 4.25" Plate	84.67 - 85.83	1.0000	1.0000
L30	165	CCI 6.5" x 4.25" Plate	84.67 - 85.83	1.0000	1.0000
L30	167	CCI 6.5" x 1.25" Plate	85.83 - 89.67	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L30	168	CCI 6.5" x 1.25" Plate	85.83 - 89.67	1.0000	1.0000
L30	169	CCI 6.5" x 1.25" Plate	85.83 - 89.67	1.0000	1.0000
L31	8	CU12PSM6P4XXX(1-3/4)	80.83 - 84.67	1.0000	1.0000
L31	10	AL7-50(1-5/8)	80.83 - 84.67	1.0000	1.0000
L31	46	Safety Line 3/8	80.83 - 84.67	1.0000	1.0000
L31	100	CCI 4.5" x 1" Plate	81.33 - 84.67	1.0000	1.0000
L31	101	CCI 4.5" x 1" Plate	81.33 - 84.67	1.0000	1.0000
L31	102	CCI 4.5" x 1" Plate	81.33 - 84.67	1.0000	1.0000
L31	108	CCI 4.5" x 1" Plate	81.42 - 84.67	1.0000	1.0000
L31	109	CCI 4.5" x 1" Plate	81.42 - 84.67	1.0000	1.0000
L31	110	CCI 4.5" x 1" Plate	81.42 - 84.67	1.0000	1.0000
L31	163	CCI 6.5" x 4.25" Plate	80.83 - 84.67	1.0000	1.0000
L31	164	CCI 6.5" x 4.25" Plate	80.83 - 84.67	1.0000	1.0000
L31	165	CCI 6.5" x 4.25" Plate	80.83 - 84.67	1.0000	1.0000
L31	213	CCI 4.5" x 1" Plate	80.83 - 81.71	1.0000	1.0000
L31	214	CCI 4.5" x 1" Plate	80.83 - 81.71	1.0000	1.0000
L31	215	CCI 4.5" x 1" Plate	80.83 - 81.71	1.0000	1.0000
L31	217	CCI 4.5" x 3" Plate	81.71 - 83.20	1.0000	1.0000
L31	218	CCI 4.5" x 3" Plate	81.71 - 83.20	1.0000	1.0000
L31	219	CCI 4.5" x 3" Plate	81.71 - 83.20	1.0000	1.0000
L32	8	CU12PSM6P4XXX(1-3/4)	80.33 - 80.83	1.0000	1.0000
L32	10	AL7-50(1-5/8)	80.33 - 80.83	1.0000	1.0000
L32	46	Safety Line 3/8	80.33 - 80.83	1.0000	1.0000
L32	159	CCI 6.5" x 1.25" Plate	80.33 - 80.50	1.0000	1.0000
L32	160	CCI 6.5" x 1.25" Plate	80.33 - 80.50	1.0000	1.0000
L32	161	CCI 6.5" x 1.25" Plate	80.33 - 80.50	1.0000	1.0000
L32	163	CCI 6.5" x 4.25" Plate	80.50 - 80.83	1.0000	1.0000
L32	164	CCI 6.5" x 4.25" Plate	80.50 - 80.83	1.0000	1.0000
L32	165	CCI 6.5" x 4.25" Plate	80.50 - 80.83	1.0000	1.0000
L32	213	CCI 4.5" x 1" Plate	80.33 - 80.83	1.0000	1.0000
L32	214	CCI 4.5" x 1" Plate	80.33 - 80.83	1.0000	1.0000
L32	215	CCI 4.5" x 1" Plate	80.33 - 80.83	1.0000	1.0000
L33	8	CU12PSM6P4XXX(1-3/4)	80.08 - 80.33	1.0000	1.0000
L33	10	AL7-50(1-5/8)	80.08 - 80.33	1.0000	1.0000
L33	46	Safety Line 3/8	80.08 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L33	62	CCI 6" x 1" Plate	80.33 80.08 - 80.17	1.0000	1.0000
L33	63	CCI 6" x 1" Plate	80.08 - 80.17	1.0000	1.0000
L33	64	CCI 6" x 1" Plate	80.08 - 80.17	1.0000	1.0000
L33	155	CCI 6.5" x 1.25" Plate	80.08 - 80.33	1.0000	1.0000
L33	156	CCI 6.5" x 1.25" Plate	80.08 - 80.33	1.0000	1.0000
L33	157	CCI 6.5" x 1.25" Plate	80.08 - 80.33	1.0000	1.0000
L33	213	CCI 4.5" x 1" Plate	80.08 - 80.33	1.0000	1.0000
L33	214	CCI 4.5" x 1" Plate	80.08 - 80.33	1.0000	1.0000
L33	215	CCI 4.5" x 1" Plate	80.08 - 80.33	1.0000	1.0000
L34	8	CU12PSM6P4XXX(1-3/4)	75.08 - 80.08	1.0000	1.0000
L34	10	AL7-50(1-5/8)	75.08 - 80.08	1.0000	1.0000
L34	46	Safety Line 3/8	75.08 - 80.08	1.0000	1.0000
L34	62	CCI 6" x 1" Plate	75.08 - 80.08	1.0000	1.0000
L34	63	CCI 6" x 1" Plate	75.08 - 80.08	1.0000	1.0000
L34	64	CCI 6" x 1" Plate	75.08 - 80.08	1.0000	1.0000
L34	155	CCI 6.5" x 1.25" Plate	76.50 - 80.08	1.0000	1.0000
L34	156	CCI 6.5" x 1.25" Plate	76.50 - 80.08	1.0000	1.0000
L34	157	CCI 6.5" x 1.25" Plate	76.50 - 80.08	1.0000	1.0000
L34	213	CCI 4.5" x 1" Plate	78.33 - 80.08	1.0000	1.0000
L34	214	CCI 4.5" x 1" Plate	78.33 - 80.08	1.0000	1.0000
L34	215	CCI 4.5" x 1" Plate	78.33 - 80.08	1.0000	1.0000
L35	8	CU12PSM6P4XXX(1-3/4)	70.08 - 75.08	1.0000	1.0000
L35	10	AL7-50(1-5/8)	70.08 - 75.08	1.0000	1.0000
L35	46	Safety Line 3/8	70.08 - 75.08	1.0000	1.0000
L35	62	CCI 6" x 1" Plate	70.08 - 75.08	1.0000	1.0000
L35	63	CCI 6" x 1" Plate	70.08 - 75.08	1.0000	1.0000
L35	64	CCI 6" x 1" Plate	70.08 - 75.08	1.0000	1.0000
L35	95	CCI 4.5" x 1" Plate	70.08 - 71.00	1.0000	1.0000
L35	96	CCI 4.5" x 1" Plate	70.08 - 71.00	1.0000	1.0000
L35	97	CCI 4.5" x 1" Plate	70.08 - 71.00	1.0000	1.0000
L35	98	CCI 4.5" x 1" Plate	70.08 - 71.00	1.0000	1.0000
L35	148	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000
L35	149	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000
L35	150	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L35	151	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000
L35	152	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000
L35	153	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000
L36	8	CU12PSM6P4XXX(1-3/4)	69.50 - 70.08	1.0000	1.0000
L36	10	AL7-50(1-5/8)	69.50 - 70.08	1.0000	1.0000
L36	46	Safety Line 3/8	69.50 - 70.08	1.0000	1.0000
L36	62	CCI 6" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	63	CCI 6" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	64	CCI 6" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	95	CCI 4.5" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	96	CCI 4.5" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	97	CCI 4.5" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	98	CCI 4.5" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	148	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L36	149	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L36	150	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L36	151	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L36	152	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L36	153	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L37	8	CU12PSM6P4XXX(1-3/4)	69.25 - 69.50	1.0000	1.0000
L37	10	AL7-50(1-5/8)	69.25 - 69.50	1.0000	1.0000
L37	46	Safety Line 3/8	69.25 - 69.50	1.0000	1.0000
L37	62	CCI 6" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	63	CCI 6" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	64	CCI 6" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	95	CCI 4.5" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	96	CCI 4.5" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	97	CCI 4.5" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	98	CCI 4.5" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	148	CCI 8.5" x 1.25" Plate	69.25 - 69.50	1.0000	1.0000
L37	149	CCI 8.5" x 1.25" Plate	69.25 - 69.50	1.0000	1.0000
L37	150	CCI 8.5" x 1.25" Plate	69.25 - 69.50	1.0000	1.0000
L37	151	CCI 8.5" x 1.25" Plate	69.25 - 69.50	1.0000	1.0000
L37	152	CCI 8.5" x 1.25" Plate	69.25 - 69.50	1.0000	1.0000
L37	153	CCI 8.5" x 1.25" Plate	69.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L38	8	CU12PSM6P4XXX(1-3/4)	69.50 64.25 -	1.0000	1.0000
L38	10	AL7-50(1-5/8)	69.25 64.25 -	1.0000	1.0000
L38	46	Safety Line 3/8	69.25 64.25 -	1.0000	1.0000
L38	62	CCI 6" x 1" Plate	69.25 64.25 -	1.0000	1.0000
L38	63	CCI 6" x 1" Plate	69.25 64.25 -	1.0000	1.0000
L38	64	CCI 6" x 1" Plate	69.25 64.25 -	1.0000	1.0000
L38	75	1" x 2" Plate	69.25 64.25 -	1.0000	1.0000
L38	76	1" x 2" Plate	66.17 64.25 -	1.0000	1.0000
L38	77	1" x 2" Plate	66.17 64.25 -	1.0000	1.0000
L38	78	1" x 2" Plate	66.17 64.25 -	1.0000	1.0000
L38	95	CCI 4.5" x 1" Plate	66.17 64.25 -	1.0000	1.0000
L38	96	CCI 4.5" x 1" Plate	69.25 64.25 -	1.0000	1.0000
L38	97	CCI 4.5" x 1" Plate	69.25 64.25 -	1.0000	1.0000
L38	98	CCI 4.5" x 1" Plate	69.25 64.25 -	1.0000	1.0000
L38	141	CCI 8.5" x 4.25" Plate	69.25 64.25 -	1.0000	1.0000
L38	142	CCI 8.5" x 4.25" Plate	68.42 64.25 -	1.0000	1.0000
L38	143	CCI 8.5" x 4.25" Plate	68.42 64.25 -	1.0000	1.0000
L38	144	CCI 8.5" x 4.25" Plate	68.42 64.25 -	1.0000	1.0000
L38	145	CCI 8.5" x 4.25" Plate	68.42 64.25 -	1.0000	1.0000
L38	146	CCI 8.5" x 4.25" Plate	68.42 64.25 -	1.0000	1.0000
L38	148	CCI 8.5" x 1.25" Plate	68.42 69.25 -	1.0000	1.0000
L38	149	CCI 8.5" x 1.25" Plate	69.25 68.42 -	1.0000	1.0000
L38	150	CCI 8.5" x 1.25" Plate	69.25 68.42 -	1.0000	1.0000
L38	151	CCI 8.5" x 1.25" Plate	69.25 68.42 -	1.0000	1.0000
L38	152	CCI 8.5" x 1.25" Plate	69.25 68.42 -	1.0000	1.0000
L38	153	CCI 8.5" x 1.25" Plate	69.25 68.42 -	1.0000	1.0000
L39	8	CU12PSM6P4XXX(1-3/4)	69.25 60.58 -	1.0000	1.0000
L39	10	AL7-50(1-5/8)	64.25 60.58 -	1.0000	1.0000
L39	46	Safety Line 3/8	64.25 60.58 -	1.0000	1.0000
L39	62	CCI 6" x 1" Plate	64.25 61.17 -	1.0000	1.0000
L39	63	CCI 6" x 1" Plate	64.25 61.17 -	1.0000	1.0000
L39	64	CCI 6" x 1" Plate	64.25 61.17 -	1.0000	1.0000
L39	75	1" x 2" Plate	64.25 61.08 -	1.0000	1.0000
L39	76	1" x 2" Plate	64.25 61.08 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L39	77	1" x 2" Plate	61.08 - 64.25	1.0000	1.0000
L39	78	1" x 2" Plate	61.08 - 64.25	1.0000	1.0000
L39	95	CCI 4.5" x 1" Plate	61.00 - 64.25	1.0000	1.0000
L39	96	CCI 4.5" x 1" Plate	61.00 - 64.25	1.0000	1.0000
L39	97	CCI 4.5" x 1" Plate	61.00 - 64.25	1.0000	1.0000
L39	98	CCI 4.5" x 1" Plate	61.00 - 64.25	1.0000	1.0000
L39	134	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	135	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	136	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	137	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	138	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	139	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	141	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	142	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	143	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	144	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	145	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	146	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	203	CCI 4.5" x 1" Plate	60.58 - 61.46	1.0000	1.0000
L39	204	CCI 4.5" x 1" Plate	60.58 - 61.46	1.0000	1.0000
L39	205	CCI 4.5" x 1" Plate	60.58 - 61.46	1.0000	1.0000
L39	206	CCI 4.5" x 1" Plate	60.58 - 61.46	1.0000	1.0000
L39	208	CCI 4.5" x 3" Plate	61.55 - 62.96	1.0000	1.0000
L39	209	CCI 4.5" x 3" Plate	61.55 - 62.96	1.0000	1.0000
L39	210	CCI 4.5" x 3" Plate	61.55 - 62.96	1.0000	1.0000
L39	211	CCI 4.5" x 3" Plate	61.55 - 62.96	1.0000	1.0000
L40	8	CU12PSM6P4XXX(1-3/4)	60.33 - 60.58	1.0000	1.0000
L40	10	AL7-50(1-5/8)	60.33 - 60.58	1.0000	1.0000
L40	46	Safety Line 3/8	60.33 - 60.58	1.0000	1.0000
L40	134	CCI 8.5" x 1.25" Plate	60.33 - 60.58	1.0000	1.0000
L40	135	CCI 8.5" x 1.25" Plate	60.33 - 60.58	1.0000	1.0000
L40	136	CCI 8.5" x 1.25" Plate	60.33 - 60.58	1.0000	1.0000
L40	137	CCI 8.5" x 1.25" Plate	60.33 - 60.58	1.0000	1.0000
L40	138	CCI 8.5" x 1.25" Plate	60.33 - 60.58	1.0000	1.0000
L40	139	CCI 8.5" x 1.25" Plate	60.33 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L40	203	CCI 4.5" x 1" Plate	60.58 60.33 -	1.0000	1.0000
L40	204	CCI 4.5" x 1" Plate	60.58 60.33 -	1.0000	1.0000
L40	205	CCI 4.5" x 1" Plate	60.58 60.33 -	1.0000	1.0000
L40	206	CCI 4.5" x 1" Plate	60.58 60.33 -	1.0000	1.0000
L41	8	CU12PSM6P4XXX(1-3/4)	55.33 - 60.33	1.0000	1.0000
L41	10	AL7-50(1-5/8)	55.33 - 60.33	1.0000	1.0000
L41	46	Safety Line 3/8	55.33 - 60.33	1.0000	1.0000
L41	58	CCI 6.5" x 1.25" Plate	55.33 - 59.92	1.0000	1.0000
L41	59	CCI 6.5" x 1.25" Plate	55.33 - 59.92	1.0000	1.0000
L41	60	CCI 6.5" x 1.25" Plate	55.33 - 59.92	1.0000	1.0000
L41	127	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000
L41	128	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000
L41	129	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000
L41	130	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000
L41	131	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000
L41	132	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000
L41	134	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	135	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	136	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	137	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	138	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	139	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	203	CCI 4.5" x 1" Plate	58.00 - 60.33	1.0000	1.0000
L41	204	CCI 4.5" x 1" Plate	58.00 - 60.33	1.0000	1.0000
L41	205	CCI 4.5" x 1" Plate	58.00 - 60.33	1.0000	1.0000
L41	206	CCI 4.5" x 1" Plate	58.00 - 60.33	1.0000	1.0000
L42	8	CU12PSM6P4XXX(1-3/4)	52.17 - 55.33	1.0000	1.0000
L42	10	AL7-50(1-5/8)	52.17 - 55.33	1.0000	1.0000
L42	46	Safety Line 3/8	52.17 - 55.33	1.0000	1.0000
L42	58	CCI 6.5" x 1.25" Plate	52.17 - 55.33	1.0000	1.0000
L42	59	CCI 6.5" x 1.25" Plate	52.17 - 55.33	1.0000	1.0000
L42	60	CCI 6.5" x 1.25" Plate	52.17 - 55.33	1.0000	1.0000
L42	127	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000
L42	128	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L42	129	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000
L42	130	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000
L42	131	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000
L42	132	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000
L43	8	CU12PSM6P4XXX(1-3/4)	51.92 - 52.17	1.0000	1.0000
L43	10	AL7-50(1-5/8)	51.92 - 52.17	1.0000	1.0000
L43	46	Safety Line 3/8	51.92 - 52.17	1.0000	1.0000
L43	58	CCI 6.5" x 1.25" Plate	51.92 - 52.17	1.0000	1.0000
L43	59	CCI 6.5" x 1.25" Plate	51.92 - 52.17	1.0000	1.0000
L43	60	CCI 6.5" x 1.25" Plate	51.92 - 52.17	1.0000	1.0000
L44	8	CU12PSM6P4XXX(1-3/4)	46.92 - 51.92	1.0000	1.0000
L44	10	AL7-50(1-5/8)	46.92 - 51.92	1.0000	1.0000
L44	46	Safety Line 3/8	46.92 - 51.92	1.0000	1.0000
L44	58	CCI 6.5" x 1.25" Plate	46.92 - 51.92	1.0000	1.0000
L44	59	CCI 6.5" x 1.25" Plate	46.92 - 51.92	1.0000	1.0000
L44	60	CCI 6.5" x 1.25" Plate	46.92 - 51.92	1.0000	1.0000
L44	70	1" x 2" Plate	46.92 - 50.42	1.0000	1.0000
L44	71	1" x 2" Plate	46.92 - 50.42	1.0000	1.0000
L44	72	1" x 2" Plate	46.92 - 50.42	1.0000	1.0000
L44	73	1" x 2" Plate	46.92 - 50.42	1.0000	1.0000
L44	90	CCI 6" x 1" Plate	46.92 - 50.17	1.0000	1.0000
L44	91	CCI 6" x 1" Plate	46.92 - 50.17	1.0000	1.0000
L44	92	CCI 6" x 1" Plate	46.92 - 50.17	1.0000	1.0000
L44	93	CCI 6" x 1" Plate	46.92 - 50.17	1.0000	1.0000
L44	120	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L44	121	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L44	122	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L44	123	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L44	124	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L44	125	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L45	8	CU12PSM6P4XXX(1-3/4)	41.92 - 46.92	1.0000	1.0000
L45	10	AL7-50(1-5/8)	41.92 - 46.92	1.0000	1.0000
L45	46	Safety Line 3/8	41.92 - 46.92	1.0000	1.0000
L45	58	CCI 6.5" x 1.25" Plate	41.92 - 46.92	1.0000	1.0000
L45	59	CCI 6.5" x 1.25" Plate	41.92 - 46.92	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L45	60	CCI 6.5" x 1.25" Plate	46.92 41.92 -	1.0000	1.0000
L45	70	1" x 2" Plate	46.92 41.92 -	1.0000	1.0000
L45	71	1" x 2" Plate	46.92 41.92 -	1.0000	1.0000
L45	72	1" x 2" Plate	46.92 41.92 -	1.0000	1.0000
L45	73	1" x 2" Plate	46.92 41.92 -	1.0000	1.0000
L45	90	CCI 6" x 1" Plate	46.92 41.92 -	1.0000	1.0000
L45	91	CCI 6" x 1" Plate	46.92 41.92 -	1.0000	1.0000
L45	92	CCI 6" x 1" Plate	46.92 41.92 -	1.0000	1.0000
L45	93	CCI 6" x 1" Plate	46.92 41.92 -	1.0000	1.0000
L45	120	CCI 6.5" x 1.25" Plate	46.92 41.92 -	1.0000	1.0000
L45	121	CCI 6.5" x 1.25" Plate	46.92 41.92 -	1.0000	1.0000
L45	122	CCI 6.5" x 1.25" Plate	46.92 41.92 -	1.0000	1.0000
L45	123	CCI 6.5" x 1.25" Plate	46.92 41.92 -	1.0000	1.0000
L45	124	CCI 6.5" x 1.25" Plate	46.92 41.92 -	1.0000	1.0000
L45	125	CCI 6.5" x 1.25" Plate	46.92 41.92 -	1.0000	1.0000
L46	8	CU12PSM6P4XXX(1-3/4)	46.92 40.23 -	1.0000	1.0000
L46	10	AL7-50(1-5/8)	41.92 40.23 -	1.0000	1.0000
L46	46	Safety Line 3/8	41.92 40.23 -	1.0000	1.0000
L46	58	CCI 6.5" x 1.25" Plate	41.92 40.83 -	1.0000	1.0000
L46	59	CCI 6.5" x 1.25" Plate	41.92 40.83 -	1.0000	1.0000
L46	60	CCI 6.5" x 1.25" Plate	41.92 40.83 -	1.0000	1.0000
L46	70	1" x 2" Plate	41.92 40.58 -	1.0000	1.0000
L46	71	1" x 2" Plate	41.92 40.58 -	1.0000	1.0000
L46	72	1" x 2" Plate	41.92 40.58 -	1.0000	1.0000
L46	73	1" x 2" Plate	41.92 40.58 -	1.0000	1.0000
L46	90	CCI 6" x 1" Plate	41.92 40.23 -	1.0000	1.0000
L46	91	CCI 6" x 1" Plate	41.92 40.23 -	1.0000	1.0000
L46	92	CCI 6" x 1" Plate	41.92 40.23 -	1.0000	1.0000
L46	93	CCI 6" x 1" Plate	41.92 40.23 -	1.0000	1.0000
L46	120	CCI 6.5" x 1.25" Plate	41.92 40.23 -	1.0000	1.0000
L46	121	CCI 6.5" x 1.25" Plate	41.92 40.23 -	1.0000	1.0000
L46	122	CCI 6.5" x 1.25" Plate	41.92 40.23 -	1.0000	1.0000
L46	123	CCI 6.5" x 1.25" Plate	41.92 40.23 -	1.0000	1.0000
L46	124	CCI 6.5" x 1.25" Plate	41.92 40.23 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L46	125	CCI 6.5" x 1.25" Plate	40.23 - 41.92	1.0000	1.0000
L47	8	CU12PSM6P4XXX(1-3/4)	39.98 - 40.23	1.0000	1.0000
L47	10	AL7-50(1-5/8)	39.98 - 40.23	1.0000	1.0000
L47	46	Safety Line 3/8	39.98 - 40.23	1.0000	1.0000
L47	90	CCI 6" x 1" Plate	39.98 - 40.23	1.0000	1.0000
L47	91	CCI 6" x 1" Plate	39.98 - 40.23	1.0000	1.0000
L47	92	CCI 6" x 1" Plate	39.98 - 40.23	1.0000	1.0000
L47	93	CCI 6" x 1" Plate	39.98 - 40.23	1.0000	1.0000
L47	120	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L47	121	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L47	122	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L47	123	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L47	124	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L47	125	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L48	8	CU12PSM6P4XXX(1-3/4)	34.98 - 39.98	1.0000	1.0000
L48	10	AL7-50(1-5/8)	34.98 - 39.98	1.0000	1.0000
L48	46	Safety Line 3/8	34.98 - 39.98	1.0000	1.0000
L48	54	CCI 6" x 1" Plate	34.98 - 39.75	1.0000	1.0000
L48	55	CCI 6" x 1" Plate	34.98 - 39.75	1.0000	1.0000
L48	56	CCI 6" x 1" Plate	34.98 - 39.75	1.0000	1.0000
L48	90	CCI 6" x 1" Plate	37.17 - 39.98	1.0000	1.0000
L48	91	CCI 6" x 1" Plate	37.17 - 39.98	1.0000	1.0000
L48	92	CCI 6" x 1" Plate	37.17 - 39.98	1.0000	1.0000
L48	93	CCI 6" x 1" Plate	37.17 - 39.98	1.0000	1.0000
L48	120	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L48	121	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L48	122	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L48	123	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L48	124	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L48	125	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L49	8	CU12PSM6P4XXX(1-3/4)	29.98 - 34.98	1.0000	1.0000
L49	10	AL7-50(1-5/8)	29.98 - 34.98	1.0000	1.0000
L49	46	Safety Line 3/8	29.98 - 34.98	1.0000	1.0000
L49	54	CCI 6" x 1" Plate	29.98 - 34.98	1.0000	1.0000
L49	55	CCI 6" x 1" Plate	29.98 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L49	56	CCI 6" x 1" Plate	34.98 29.98 -	1.0000	1.0000
L49	85	CCI 6" x 1" Plate	34.98 29.98 -	1.0000	1.0000
L49	86	CCI 6" x 1" Plate	30.00 29.98 -	1.0000	1.0000
L49	87	CCI 6" x 1" Plate	30.00 29.98 -	1.0000	1.0000
L49	88	CCI 6" x 1" Plate	30.00 29.98 -	1.0000	1.0000
L49	120	CCI 6.5" x 1.25" Plate	30.00 32.83 -	1.0000	1.0000
L49	121	CCI 6.5" x 1.25" Plate	34.98 32.83 -	1.0000	1.0000
L49	122	CCI 6.5" x 1.25" Plate	34.98 32.83 -	1.0000	1.0000
L49	123	CCI 6.5" x 1.25" Plate	34.98 32.83 -	1.0000	1.0000
L49	124	CCI 6.5" x 1.25" Plate	34.98 32.83 -	1.0000	1.0000
L49	125	CCI 6.5" x 1.25" Plate	34.98 32.83 -	1.0000	1.0000
L50	8	CU12PSM6P4XXX(1-3/4)	28.00 - 29.98	1.0000	1.0000
L50	10	AL7-50(1-5/8)	28.00 - 29.98	1.0000	1.0000
L50	46	Safety Line 3/8	28.00 - 29.98	1.0000	1.0000
L50	54	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	55	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	56	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	85	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	86	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	87	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	88	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L51	8	CU12PSM6P4XXX(1-3/4)	27.75 - 28.00	1.0000	1.0000
L51	10	AL7-50(1-5/8)	27.75 - 28.00	1.0000	1.0000
L51	46	Safety Line 3/8	27.75 - 28.00	1.0000	1.0000
L51	54	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	55	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	56	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	85	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	86	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	87	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	88	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L52	8	CU12PSM6P4XXX(1-3/4)	22.75 - 27.75	1.0000	1.0000
L52	10	AL7-50(1-5/8)	22.75 - 27.75	1.0000	1.0000
L52	46	Safety Line 3/8	22.75 - 27.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L52	54	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	55	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	56	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	85	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	86	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	87	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	88	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	113	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L52	114	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L52	115	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L52	116	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L52	117	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L52	118	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L53	8	CU12PSM6P4XXX(1-3/4)	20.08 - 22.75	1.0000	1.0000
L53	10	AL7-50(1-5/8)	20.08 - 22.75	1.0000	1.0000
L53	46	Safety Line 3/8	20.08 - 22.75	1.0000	1.0000
L53	54	CCI 6" x 1" Plate	20.75 - 22.75	1.0000	1.0000
L53	55	CCI 6" x 1" Plate	20.75 - 22.75	1.0000	1.0000
L53	56	CCI 6" x 1" Plate	20.75 - 22.75	1.0000	1.0000
L53	85	CCI 6" x 1" Plate	20.08 - 22.75	1.0000	1.0000
L53	86	CCI 6" x 1" Plate	20.08 - 22.75	1.0000	1.0000
L53	87	CCI 6" x 1" Plate	20.08 - 22.75	1.0000	1.0000
L53	88	CCI 6" x 1" Plate	20.08 - 22.75	1.0000	1.0000
L53	113	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L53	114	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L53	115	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L53	116	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L53	117	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L53	118	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L54	8	CU12PSM6P4XXX(1-3/4)	19.83 - 20.08	1.0000	1.0000
L54	10	AL7-50(1-5/8)	19.83 - 20.08	1.0000	1.0000
L54	46	Safety Line 3/8	19.83 - 20.08	1.0000	1.0000
L54	85	CCI 6" x 1" Plate	19.83 - 20.08	1.0000	1.0000
L54	86	CCI 6" x 1" Plate	19.83 - 20.08	1.0000	1.0000
L54	87	CCI 6" x 1" Plate	19.83 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L54	88	CCI 6" x 1" Plate	20.08 19.83 - 20.08	1.0000	1.0000
L54	113	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L54	114	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L54	115	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L54	116	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L54	117	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L54	118	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L55	8	CU12PSM6P4XXX(1-3/4)	17.00 - 19.83	1.0000	1.0000
L55	10	AL7-50(1-5/8)	17.00 - 19.83	1.0000	1.0000
L55	46	Safety Line 3/8	17.00 - 19.83	1.0000	1.0000
L55	80	CCI 6" x 1" Plate	17.00 - 19.00	1.0000	1.0000
L55	81	CCI 6" x 1" Plate	17.00 - 19.00	1.0000	1.0000
L55	82	CCI 6" x 1" Plate	17.00 - 19.00	1.0000	1.0000
L55	83	CCI 6" x 1" Plate	17.00 - 19.00	1.0000	1.0000
L55	85	CCI 6" x 1" Plate	17.00 - 19.83	1.0000	1.0000
L55	86	CCI 6" x 1" Plate	17.00 - 19.83	1.0000	1.0000
L55	87	CCI 6" x 1" Plate	17.00 - 19.83	1.0000	1.0000
L55	88	CCI 6" x 1" Plate	17.00 - 19.83	1.0000	1.0000
L55	113	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L55	114	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L55	115	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L55	116	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L55	117	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L55	118	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L56	8	CU12PSM6P4XXX(1-3/4)	16.75 - 17.00	1.0000	1.0000
L56	10	AL7-50(1-5/8)	16.75 - 17.00	1.0000	1.0000
L56	46	Safety Line 3/8	16.75 - 17.00	1.0000	1.0000
L56	80	CCI 6" x 1" Plate	16.75 - 17.00	1.0000	1.0000
L56	81	CCI 6" x 1" Plate	16.75 - 17.00	1.0000	1.0000
L56	82	CCI 6" x 1" Plate	16.75 - 17.00	1.0000	1.0000
L56	83	CCI 6" x 1" Plate	16.75 - 17.00	1.0000	1.0000
L56	113	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L56	114	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L56	115	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L56	116	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L56	117	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L56	118	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L57	8	CU12PSM6P4XXX(1-3/4)	11.65 - 16.75	1.0000	1.0000
L57	10	AL7-50(1-5/8)	11.65 - 16.75	1.0000	1.0000
L57	46	Safety Line 3/8	11.65 - 16.75	1.0000	1.0000
L57	52	CCI 4" x 0.75" Plate	11.65 - 13.17	1.0000	1.0000
L57	80	CCI 6" x 1" Plate	11.65 - 16.75	1.0000	1.0000
L57	81	CCI 6" x 1" Plate	11.65 - 16.75	1.0000	1.0000
L57	82	CCI 6" x 1" Plate	11.65 - 16.75	1.0000	1.0000
L57	83	CCI 6" x 1" Plate	11.65 - 16.75	1.0000	1.0000
L57	113	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000
L57	114	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000
L57	115	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000
L57	116	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000
L57	117	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000
L57	118	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000
L58	8	CU12PSM6P4XXX(1-3/4)	11.42 - 11.65	1.0000	1.0000
L58	10	AL7-50(1-5/8)	11.42 - 11.65	1.0000	1.0000
L58	46	Safety Line 3/8	11.42 - 11.65	1.0000	1.0000
L58	52	CCI 4" x 0.75" Plate	11.42 - 11.65	1.0000	1.0000
L58	80	CCI 6" x 1" Plate	11.42 - 11.65	1.0000	1.0000
L58	81	CCI 6" x 1" Plate	11.42 - 11.65	1.0000	1.0000
L58	82	CCI 6" x 1" Plate	11.42 - 11.65	1.0000	1.0000
L58	83	CCI 6" x 1" Plate	11.42 - 11.65	1.0000	1.0000
L59	8	CU12PSM6P4XXX(1-3/4)	9.40 - 11.42	1.0000	1.0000
L59	10	AL7-50(1-5/8)	9.40 - 11.42	1.0000	1.0000
L59	46	Safety Line 3/8	9.40 - 11.42	1.0000	1.0000
L59	50	CCI 4" x 0.75" Plate	9.40 - 10.88	1.0000	1.0000
L59	51	CCI 4" x 0.75" Plate	9.40 - 10.88	1.0000	1.0000
L59	52	CCI 4" x 0.75" Plate	9.40 - 11.42	1.0000	1.0000
L59	80	CCI 6" x 1" Plate	9.40 - 11.42	1.0000	1.0000
L59	81	CCI 6" x 1" Plate	9.40 - 11.42	1.0000	1.0000
L59	82	CCI 6" x 1" Plate	9.40 - 11.42	1.0000	1.0000
L59	83	CCI 6" x 1" Plate	9.40 - 11.42	1.0000	1.0000
L60	8	CU12PSM6P4XXX(1-3/4)	9.15 - 9.40	1.0000	1.0000
L60	10	AL7-50(1-5/8)	9.15 - 9.40	1.0000	1.0000
L60	46	Safety Line 3/8	9.15 - 9.40	1.0000	1.0000
L60	50	CCI 4" x 0.75" Plate	9.15 - 9.40	1.0000	1.0000
L60	51	CCI 4" x 0.75" Plate	9.15 - 9.40	1.0000	1.0000
L60	52	CCI 4" x 0.75" Plate	9.15 - 9.40	1.0000	1.0000
L60	80	CCI 6" x 1" Plate	9.15 - 9.40	1.0000	1.0000
L60	81	CCI 6" x 1" Plate	9.15 - 9.40	1.0000	1.0000
L60	82	CCI 6" x 1" Plate	9.15 - 9.40	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L60	83	CCI 6" x 1" Plate	9.15 - 9.40	1.0000	1.0000
L61	8	CU12PSM6P4XXX(1-3/4)	4.83 - 9.15	1.0000	1.0000
L61	10	AL7-50(1-5/8)	4.83 - 9.15	1.0000	1.0000
L61	46	Safety Line 3/8	4.83 - 9.15	1.0000	1.0000
L61	50	CCI 4" x 0.75" Plate	4.83 - 9.15	1.0000	1.0000
L61	51	CCI 4" x 0.75" Plate	4.83 - 9.15	1.0000	1.0000
L61	52	CCI 4" x 0.75" Plate	4.83 - 9.15	1.0000	1.0000
L61	80	CCI 6" x 1" Plate	4.83 - 9.15	1.0000	1.0000
L61	81	CCI 6" x 1" Plate	4.83 - 9.15	1.0000	1.0000
L61	82	CCI 6" x 1" Plate	4.83 - 9.15	1.0000	1.0000
L61	83	CCI 6" x 1" Plate	4.83 - 9.15	1.0000	1.0000
L62	8	CU12PSM6P4XXX(1-3/4)	4.58 - 4.83	1.0000	1.0000
L62	10	AL7-50(1-5/8)	4.58 - 4.83	1.0000	1.0000
L62	46	Safety Line 3/8	4.58 - 4.83	1.0000	1.0000
L62	50	CCI 4" x 0.75" Plate	4.58 - 4.83	1.0000	1.0000
L62	51	CCI 4" x 0.75" Plate	4.58 - 4.83	1.0000	1.0000
L62	52	CCI 4" x 0.75" Plate	4.58 - 4.83	1.0000	1.0000
L62	80	CCI 6" x 1" Plate	4.58 - 4.83	1.0000	1.0000
L62	81	CCI 6" x 1" Plate	4.58 - 4.83	1.0000	1.0000
L62	82	CCI 6" x 1" Plate	4.58 - 4.83	1.0000	1.0000
L62	83	CCI 6" x 1" Plate	4.58 - 4.83	1.0000	1.0000
L63	8	CU12PSM6P4XXX(1-3/4)	0.00 - 4.58	1.0000	1.0000
L63	10	AL7-50(1-5/8)	4.00 - 4.58	1.0000	1.0000
L63	46	Safety Line 3/8	4.00 - 4.58	1.0000	1.0000
L63	50	CCI 4" x 0.75" Plate	0.00 - 4.58	1.0000	1.0000
L63	51	CCI 4" x 0.75" Plate	0.00 - 4.58	1.0000	1.0000
L63	52	CCI 4" x 0.75" Plate	3.17 - 4.58	1.0000	1.0000
L63	80	CCI 6" x 1" Plate	0.00 - 4.58	1.0000	1.0000
L63	81	CCI 6" x 1" Plate	0.00 - 4.58	1.0000	1.0000
L63	82	CCI 6" x 1" Plate	0.00 - 4.58	1.0000	1.0000
L63	83	CCI 6" x 1" Plate	0.00 - 4.58	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L14	199	CCI 4.5" x 1" Plate	126.42 - 127.17	Auto	1.0000
L14	200	CCI 4.5" x 1" Plate	126.42 - 127.17	Auto	1.0000
L14	201	CCI 4.5" x 1" Plate	126.42 - 127.17	Auto	1.0000
L15	191	CCI 4.5" x 1" Plate	121.42 - 121.67	Auto	1.0000
L15	192	CCI 4.5" x 1" Plate	121.42 - 121.67	Auto	1.0000
L15	193	CCI 4.5" x 1" Plate	121.42 - 121.67	Auto	1.0000
L15	195	CCI 4.5" x 4" Plate	121.67 - 124.42	Auto	1.0000
L15	196	CCI 4.5" x 4" Plate	121.67 - 124.42	Auto	1.0000
L15	197	CCI 4.5" x 4" Plate	121.67 - 124.42	Auto	1.0000
L15	199	CCI 4.5" x 1" Plate	124.42 - 126.42	Auto	1.0000
L15	200	CCI 4.5" x 1" Plate	124.42 - 126.42	Auto	1.0000
L15	201	CCI 4.5" x 1" Plate	124.42 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L16	191	CCI 4.5" x 1" Plate	126.42 121.17 - 121.42	Auto	1.0000
L16	192	CCI 4.5" x 1" Plate	121.17 - 121.42	Auto	1.0000
L16	193	CCI 4.5" x 1" Plate	121.17 - 121.42	Auto	1.0000
L17	187	CCI 4.5" x 1" Plate	117.92 - 120.67	Auto	1.0000
L17	188	CCI 4.5" x 1" Plate	117.92 - 120.67	Auto	1.0000
L17	189	CCI 4.5" x 1" Plate	117.92 - 120.67	Auto	1.0000
L17	191	CCI 4.5" x 1" Plate	120.67 - 121.17	Auto	1.0000
L17	192	CCI 4.5" x 1" Plate	120.67 - 121.17	Auto	1.0000
L17	193	CCI 4.5" x 1" Plate	120.67 - 121.17	Auto	1.0000
L18	104	CCI 4.5" x 1" Plate	111.17 - 111.54	Auto	1.0000
L18	105	CCI 4.5" x 1" Plate	111.17 - 111.54	Auto	1.0000
L18	106	CCI 4.5" x 1" Plate	111.17 - 111.54	Auto	1.0000
L19	104	CCI 4.5" x 1" Plate	110.04 - 111.17	Auto	1.0000
L19	105	CCI 4.5" x 1" Plate	110.04 - 111.17	Auto	1.0000
L19	106	CCI 4.5" x 1" Plate	110.04 - 111.17	Auto	1.0000
L20	104	CCI 4.5" x 1" Plate	109.79 - 110.04	Auto	1.0000
L20	105	CCI 4.5" x 1" Plate	109.79 - 110.04	Auto	1.0000
L20	106	CCI 4.5" x 1" Plate	109.79 - 110.04	Auto	1.0000
L21	66	CCI 4" x 0.75" Plate	105.08 - 106.58	Auto	1.0000
L21	67	CCI 4" x 0.75" Plate	105.08 - 106.58	Auto	1.0000
L21	68	CCI 4" x 0.75" Plate	105.08 - 106.58	Auto	1.0000
L21	104	CCI 4.5" x 1" Plate	105.08 - 109.79	Auto	1.0000
L21	105	CCI 4.5" x 1" Plate	105.08 - 109.79	Auto	1.0000
L21	106	CCI 4.5" x 1" Plate	105.08 - 109.79	Auto	1.0000
L21	183	CCI 4.5" x 1" Plate	105.08 - 107.17	Auto	1.0000
L21	184	CCI 4.5" x 1" Plate	105.08 - 107.17	Auto	1.0000
L21	185	CCI 4.5" x 1" Plate	105.08 - 107.17	Auto	1.0000
L22	66	CCI 4" x 0.75" Plate	104.83 - 105.08	Auto	1.0000
L22	67	CCI 4" x 0.75" Plate	104.83 - 105.08	Auto	1.0000
L22	68	CCI 4" x 0.75" Plate	104.83 - 105.08	Auto	1.0000
L22	104	CCI 4.5" x 1" Plate	104.83 - 105.08	Auto	1.0000
L22	105	CCI 4.5" x 1" Plate	104.83 - 105.08	Auto	1.0000
L22	106	CCI 4.5" x 1" Plate	104.83 - 105.08	Auto	1.0000
L22	183	CCI 4.5" x 1" Plate	104.83 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L22	184	CCI 4.5" x 1" Plate	105.08 104.83 - 105.08	Auto	1.0000
L22	185	CCI 4.5" x 1" Plate	104.83 - 105.08	Auto	1.0000
L23	66	CCI 4" x 0.75" Plate	101.58 - 104.83	Auto	1.0000
L23	67	CCI 4" x 0.75" Plate	101.58 - 104.83	Auto	1.0000
L23	68	CCI 4" x 0.75" Plate	101.58 - 104.83	Auto	1.0000
L23	104	CCI 4.5" x 1" Plate	101.54 - 104.83	Auto	1.0000
L23	105	CCI 4.5" x 1" Plate	101.54 - 104.83	Auto	1.0000
L23	106	CCI 4.5" x 1" Plate	101.54 - 104.83	Auto	1.0000
L23	175	CCI 4.5" x 1" Plate	100.92 - 101.42	Auto	1.0000
L23	176	CCI 4.5" x 1" Plate	100.92 - 101.42	Auto	1.0000
L23	177	CCI 4.5" x 1" Plate	100.92 - 101.42	Auto	1.0000
L23	179	CCI 4.5" x 4" Plate	101.42 - 104.42	Auto	1.0000
L23	180	CCI 4.5" x 4" Plate	101.42 - 104.42	Auto	1.0000
L23	181	CCI 4.5" x 4" Plate	101.42 - 104.42	Auto	1.0000
L23	183	CCI 4.5" x 1" Plate	104.42 - 104.83	Auto	1.0000
L23	184	CCI 4.5" x 1" Plate	104.42 - 104.83	Auto	1.0000
L23	185	CCI 4.5" x 1" Plate	104.42 - 104.83	Auto	1.0000
L23	221	CCI 4.5" x 1" Plate	100.92 - 101.79	Auto	1.0000
L23	222	CCI 4.5" x 1" Plate	100.92 - 101.79	Auto	1.0000
L23	223	CCI 4.5" x 1" Plate	100.92 - 101.79	Auto	1.0000
L23	225	CCI 4.5" x 3" Plate	101.79 - 103.29	Auto	1.0000
L23	226	CCI 4.5" x 3" Plate	101.79 - 103.29	Auto	1.0000
L23	227	CCI 4.5" x 3" Plate	101.79 - 103.29	Auto	1.0000
L24	175	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L24	176	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L24	177	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L24	221	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L24	222	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L24	223	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L25	100	CCI 4.5" x 1" Plate	95.83 - 97.33	Auto	1.0000
L25	101	CCI 4.5" x 1" Plate	95.83 - 97.33	Auto	1.0000
L25	102	CCI 4.5" x 1" Plate	95.83 - 97.33	Auto	1.0000
L25	171	CCI 4.5" x 1" Plate	97.92 - 100.42	Auto	1.0000
L25	172	CCI 4.5" x 1" Plate	97.92 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L25	173	CCI 4.5" x 1" Plate	100.42 - 97.92 - 100.42	Auto	1.0000
L25	175	CCI 4.5" x 1" Plate	100.42 - 100.67	Auto	1.0000
L25	176	CCI 4.5" x 1" Plate	100.42 - 100.67	Auto	1.0000
L25	177	CCI 4.5" x 1" Plate	100.42 - 100.67	Auto	1.0000
L25	221	CCI 4.5" x 1" Plate	98.42 - 100.67	Auto	1.0000
L25	222	CCI 4.5" x 1" Plate	98.42 - 100.67	Auto	1.0000
L25	223	CCI 4.5" x 1" Plate	98.42 - 100.67	Auto	1.0000
L26	100	CCI 4.5" x 1" Plate	95.58 - 95.83	Auto	1.0000
L26	101	CCI 4.5" x 1" Plate	95.58 - 95.83	Auto	1.0000
L26	102	CCI 4.5" x 1" Plate	95.58 - 95.83	Auto	1.0000
L27	100	CCI 4.5" x 1" Plate	90.58 - 95.58	Auto	1.0000
L27	101	CCI 4.5" x 1" Plate	90.58 - 95.58	Auto	1.0000
L27	102	CCI 4.5" x 1" Plate	90.58 - 95.58	Auto	1.0000
L27	108	CCI 4.5" x 1" Plate	90.58 - 91.42	Auto	1.0000
L27	109	CCI 4.5" x 1" Plate	90.58 - 91.42	Auto	1.0000
L27	110	CCI 4.5" x 1" Plate	90.58 - 91.42	Auto	1.0000
L28	100	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000
L28	101	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000
L28	102	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000
L28	108	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000
L28	109	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000
L28	110	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000
L29	100	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	101	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	102	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	108	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	109	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	110	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	167	CCI 6.5" x 1.25" Plate	89.67 - 89.75	Auto	1.0000
L29	168	CCI 6.5" x 1.25" Plate	89.67 - 89.75	Auto	1.0000
L29	169	CCI 6.5" x 1.25" Plate	89.67 - 89.75	Auto	1.0000
L30	100	CCI 4.5" x 1" Plate	84.67 - 89.67	Auto	1.0000
L30	101	CCI 4.5" x 1" Plate	84.67 - 89.67	Auto	1.0000
L30	102	CCI 4.5" x 1" Plate	84.67 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L30	108	CCI 4.5" x 1" Plate	89.67 84.67 - 89.67	Auto	1.0000
L30	109	CCI 4.5" x 1" Plate	84.67 - 89.67	Auto	1.0000
L30	110	CCI 4.5" x 1" Plate	84.67 - 89.67	Auto	1.0000
L30	163	CCI 6.5" x 4.25" Plate	84.67 - 85.83	Auto	1.0000
L30	164	CCI 6.5" x 4.25" Plate	84.67 - 85.83	Auto	1.0000
L30	165	CCI 6.5" x 4.25" Plate	84.67 - 85.83	Auto	1.0000
L30	167	CCI 6.5" x 1.25" Plate	85.83 - 89.67	Auto	1.0000
L30	168	CCI 6.5" x 1.25" Plate	85.83 - 89.67	Auto	1.0000
L30	169	CCI 6.5" x 1.25" Plate	85.83 - 89.67	Auto	1.0000
L31	100	CCI 4.5" x 1" Plate	81.33 - 84.67	Auto	1.0000
L31	101	CCI 4.5" x 1" Plate	81.33 - 84.67	Auto	1.0000
L31	102	CCI 4.5" x 1" Plate	81.33 - 84.67	Auto	1.0000
L31	108	CCI 4.5" x 1" Plate	81.42 - 84.67	Auto	1.0000
L31	109	CCI 4.5" x 1" Plate	81.42 - 84.67	Auto	1.0000
L31	110	CCI 4.5" x 1" Plate	81.42 - 84.67	Auto	1.0000
L31	163	CCI 6.5" x 4.25" Plate	80.83 - 84.67	Auto	1.0000
L31	164	CCI 6.5" x 4.25" Plate	80.83 - 84.67	Auto	1.0000
L31	165	CCI 6.5" x 4.25" Plate	80.83 - 84.67	Auto	1.0000
L31	213	CCI 4.5" x 1" Plate	80.83 - 81.71	Auto	1.0000
L31	214	CCI 4.5" x 1" Plate	80.83 - 81.71	Auto	1.0000
L31	215	CCI 4.5" x 1" Plate	80.83 - 81.71	Auto	1.0000
L31	217	CCI 4.5" x 3" Plate	81.71 - 83.20	Auto	1.0000
L31	218	CCI 4.5" x 3" Plate	81.71 - 83.20	Auto	1.0000
L31	219	CCI 4.5" x 3" Plate	81.71 - 83.20	Auto	1.0000
L32	159	CCI 6.5" x 1.25" Plate	80.33 - 80.50	Auto	1.0000
L32	160	CCI 6.5" x 1.25" Plate	80.33 - 80.50	Auto	1.0000
L32	161	CCI 6.5" x 1.25" Plate	80.33 - 80.50	Auto	1.0000
L32	163	CCI 6.5" x 4.25" Plate	80.50 - 80.83	Auto	1.0000
L32	164	CCI 6.5" x 4.25" Plate	80.50 - 80.83	Auto	1.0000
L32	165	CCI 6.5" x 4.25" Plate	80.50 - 80.83	Auto	1.0000
L32	213	CCI 4.5" x 1" Plate	80.33 - 80.83	Auto	1.0000
L32	214	CCI 4.5" x 1" Plate	80.33 - 80.83	Auto	1.0000
L32	215	CCI 4.5" x 1" Plate	80.33 - 80.83	Auto	1.0000
L33	62	CCI 6" x 1" Plate	80.08 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L33	63	CCI 6" x 1" Plate	80.17 80.08 - 80.17	Auto	1.0000
L33	64	CCI 6" x 1" Plate	80.08 - 80.17	Auto	1.0000
L33	155	CCI 6.5" x 1.25" Plate	80.08 - 80.33	Auto	1.0000
L33	156	CCI 6.5" x 1.25" Plate	80.08 - 80.33	Auto	1.0000
L33	157	CCI 6.5" x 1.25" Plate	80.08 - 80.33	Auto	1.0000
L33	213	CCI 4.5" x 1" Plate	80.08 - 80.33	Auto	1.0000
L33	214	CCI 4.5" x 1" Plate	80.08 - 80.33	Auto	1.0000
L33	215	CCI 4.5" x 1" Plate	80.08 - 80.33	Auto	1.0000
L34	62	CCI 6" x 1" Plate	75.08 - 80.08	Auto	1.0000
L34	63	CCI 6" x 1" Plate	75.08 - 80.08	Auto	1.0000
L34	64	CCI 6" x 1" Plate	75.08 - 80.08	Auto	1.0000
L34	155	CCI 6.5" x 1.25" Plate	76.50 - 80.08	Auto	1.0000
L34	156	CCI 6.5" x 1.25" Plate	76.50 - 80.08	Auto	1.0000
L34	157	CCI 6.5" x 1.25" Plate	76.50 - 80.08	Auto	1.0000
L34	213	CCI 4.5" x 1" Plate	78.33 - 80.08	Auto	1.0000
L34	214	CCI 4.5" x 1" Plate	78.33 - 80.08	Auto	1.0000
L34	215	CCI 4.5" x 1" Plate	78.33 - 80.08	Auto	1.0000
L35	62	CCI 6" x 1" Plate	70.08 - 75.08	Auto	1.0000
L35	63	CCI 6" x 1" Plate	70.08 - 75.08	Auto	1.0000
L35	64	CCI 6" x 1" Plate	70.08 - 75.08	Auto	1.0000
L35	95	CCI 4.5" x 1" Plate	70.08 - 71.00	Auto	1.0000
L35	96	CCI 4.5" x 1" Plate	70.08 - 71.00	Auto	1.0000
L35	97	CCI 4.5" x 1" Plate	70.08 - 71.00	Auto	1.0000
L35	98	CCI 4.5" x 1" Plate	70.08 - 71.00	Auto	1.0000
L35	148	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L35	149	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L35	150	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L35	151	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L35	152	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L35	153	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L36	62	CCI 6" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	63	CCI 6" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	64	CCI 6" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	95	CCI 4.5" x 1" Plate	69.50 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L36	96	CCI 4.5" x 1" Plate	70.08 69.50 - 70.08	Auto	1.0000
L36	97	CCI 4.5" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	98	CCI 4.5" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	148	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L36	149	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L36	150	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L36	151	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L36	152	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L36	153	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L37	62	CCI 6" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	63	CCI 6" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	64	CCI 6" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	95	CCI 4.5" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	96	CCI 4.5" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	97	CCI 4.5" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	98	CCI 4.5" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	148	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L37	149	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L37	150	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L37	151	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L37	152	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L37	153	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L38	62	CCI 6" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	63	CCI 6" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	64	CCI 6" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	75	1" x 2" Plate	64.25 - 66.17	Auto	1.0000
L38	76	1" x 2" Plate	64.25 - 66.17	Auto	1.0000
L38	77	1" x 2" Plate	64.25 - 66.17	Auto	1.0000
L38	78	1" x 2" Plate	64.25 - 66.17	Auto	1.0000
L38	95	CCI 4.5" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	96	CCI 4.5" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	97	CCI 4.5" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	98	CCI 4.5" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	141	CCI 8.5" x 4.25" Plate	64.25 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L38	142	CCI 8.5" x 4.25" Plate	68.42 64.25 - 68.42	Auto	1.0000
L38	143	CCI 8.5" x 4.25" Plate	64.25 - 68.42	Auto	1.0000
L38	144	CCI 8.5" x 4.25" Plate	64.25 - 68.42	Auto	1.0000
L38	145	CCI 8.5" x 4.25" Plate	64.25 - 68.42	Auto	1.0000
L38	146	CCI 8.5" x 4.25" Plate	64.25 - 68.42	Auto	1.0000
L38	148	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000
L38	149	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000
L38	150	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000
L38	151	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000
L38	152	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000
L38	153	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000
L39	62	CCI 6" x 1" Plate	61.17 - 64.25	Auto	1.0000
L39	63	CCI 6" x 1" Plate	61.17 - 64.25	Auto	1.0000
L39	64	CCI 6" x 1" Plate	61.17 - 64.25	Auto	1.0000
L39	75	1" x 2" Plate	61.08 - 64.25	Auto	1.0000
L39	76	1" x 2" Plate	61.08 - 64.25	Auto	1.0000
L39	77	1" x 2" Plate	61.08 - 64.25	Auto	1.0000
L39	78	1" x 2" Plate	61.08 - 64.25	Auto	1.0000
L39	95	CCI 4.5" x 1" Plate	61.00 - 64.25	Auto	1.0000
L39	96	CCI 4.5" x 1" Plate	61.00 - 64.25	Auto	1.0000
L39	97	CCI 4.5" x 1" Plate	61.00 - 64.25	Auto	1.0000
L39	98	CCI 4.5" x 1" Plate	61.00 - 64.25	Auto	1.0000
L39	134	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	135	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	136	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	137	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	138	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	139	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	141	CCI 8.5" x 4.25" Plate	61.08 - 64.25	Auto	1.0000
L39	142	CCI 8.5" x 4.25" Plate	61.08 - 64.25	Auto	1.0000
L39	143	CCI 8.5" x 4.25" Plate	61.08 - 64.25	Auto	1.0000
L39	144	CCI 8.5" x 4.25" Plate	61.08 - 64.25	Auto	1.0000
L39	145	CCI 8.5" x 4.25" Plate	61.08 - 64.25	Auto	1.0000
L39	146	CCI 8.5" x 4.25" Plate	61.08 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L39	203	CCI 4.5" x 1" Plate	64.25 - 60.58 - 61.46	Auto	1.0000
L39	204	CCI 4.5" x 1" Plate	60.58 - 61.46	Auto	1.0000
L39	205	CCI 4.5" x 1" Plate	60.58 - 61.46	Auto	1.0000
L39	206	CCI 4.5" x 1" Plate	60.58 - 61.46	Auto	1.0000
L39	208	CCI 4.5" x 3" Plate	61.55 - 62.96	Auto	1.0000
L39	209	CCI 4.5" x 3" Plate	61.55 - 62.96	Auto	1.0000
L39	210	CCI 4.5" x 3" Plate	61.55 - 62.96	Auto	1.0000
L39	211	CCI 4.5" x 3" Plate	61.55 - 62.96	Auto	1.0000
L40	134	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	135	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	136	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	137	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	138	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	139	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	203	CCI 4.5" x 1" Plate	60.33 - 60.58	Auto	1.0000
L40	204	CCI 4.5" x 1" Plate	60.33 - 60.58	Auto	1.0000
L40	205	CCI 4.5" x 1" Plate	60.33 - 60.58	Auto	1.0000
L40	206	CCI 4.5" x 1" Plate	60.33 - 60.58	Auto	1.0000
L41	58	CCI 6.5" x 1.25" Plate	55.33 - 59.92	Auto	1.0000
L41	59	CCI 6.5" x 1.25" Plate	55.33 - 59.92	Auto	1.0000
L41	60	CCI 6.5" x 1.25" Plate	55.33 - 59.92	Auto	1.0000
L41	127	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	128	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	129	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	130	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	131	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	132	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	134	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	135	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	136	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	137	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	138	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	139	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	203	CCI 4.5" x 1" Plate	58.00 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L41	204	CCI 4.5" x 1" Plate	60.33 58.00 - 60.33	Auto	1.0000
L41	205	CCI 4.5" x 1" Plate	58.00 - 60.33	Auto	1.0000
L41	206	CCI 4.5" x 1" Plate	58.00 - 60.33	Auto	1.0000
L42	58	CCI 6.5" x 1.25" Plate	52.17 - 55.33	Auto	1.0000
L42	59	CCI 6.5" x 1.25" Plate	52.17 - 55.33	Auto	1.0000
L42	60	CCI 6.5" x 1.25" Plate	52.17 - 55.33	Auto	1.0000
L42	127	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L42	128	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L42	129	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L42	130	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L42	131	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L42	132	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L43	58	CCI 6.5" x 1.25" Plate	51.92 - 52.17	Auto	1.0000
L43	59	CCI 6.5" x 1.25" Plate	51.92 - 52.17	Auto	1.0000
L43	60	CCI 6.5" x 1.25" Plate	51.92 - 52.17	Auto	1.0000
L44	58	CCI 6.5" x 1.25" Plate	46.92 - 51.92	Auto	1.0000
L44	59	CCI 6.5" x 1.25" Plate	46.92 - 51.92	Auto	1.0000
L44	60	CCI 6.5" x 1.25" Plate	46.92 - 51.92	Auto	1.0000
L44	70	1" x 2" Plate	46.92 - 50.42	Auto	1.0000
L44	71	1" x 2" Plate	46.92 - 50.42	Auto	1.0000
L44	72	1" x 2" Plate	46.92 - 50.42	Auto	1.0000
L44	73	1" x 2" Plate	46.92 - 50.42	Auto	1.0000
L44	90	CCI 6" x 1" Plate	46.92 - 50.17	Auto	1.0000
L44	91	CCI 6" x 1" Plate	46.92 - 50.17	Auto	1.0000
L44	92	CCI 6" x 1" Plate	46.92 - 50.17	Auto	1.0000
L44	93	CCI 6" x 1" Plate	46.92 - 50.17	Auto	1.0000
L44	120	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L44	121	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L44	122	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L44	123	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L44	124	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L44	125	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L45	58	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	59	CCI 6.5" x 1.25" Plate	41.92 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L45	60	CCI 6.5" x 1.25" Plate	46.92 41.92 - 46.92	Auto	1.0000
L45	70	1" x 2" Plate	41.92 - 46.92	Auto	1.0000
L45	71	1" x 2" Plate	41.92 - 46.92	Auto	1.0000
L45	72	1" x 2" Plate	41.92 - 46.92	Auto	1.0000
L45	73	1" x 2" Plate	41.92 - 46.92	Auto	1.0000
L45	90	CCI 6" x 1" Plate	41.92 - 46.92	Auto	1.0000
L45	91	CCI 6" x 1" Plate	41.92 - 46.92	Auto	1.0000
L45	92	CCI 6" x 1" Plate	41.92 - 46.92	Auto	1.0000
L45	93	CCI 6" x 1" Plate	41.92 - 46.92	Auto	1.0000
L45	120	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	121	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	122	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	123	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	124	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	125	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L46	58	CCI 6.5" x 1.25" Plate	40.83 - 41.92	Auto	1.0000
L46	59	CCI 6.5" x 1.25" Plate	40.83 - 41.92	Auto	1.0000
L46	60	CCI 6.5" x 1.25" Plate	40.83 - 41.92	Auto	1.0000
L46	70	1" x 2" Plate	40.58 - 41.92	Auto	1.0000
L46	71	1" x 2" Plate	40.58 - 41.92	Auto	1.0000
L46	72	1" x 2" Plate	40.58 - 41.92	Auto	1.0000
L46	73	1" x 2" Plate	40.58 - 41.92	Auto	1.0000
L46	90	CCI 6" x 1" Plate	40.23 - 41.92	Auto	1.0000
L46	91	CCI 6" x 1" Plate	40.23 - 41.92	Auto	1.0000
L46	92	CCI 6" x 1" Plate	40.23 - 41.92	Auto	1.0000
L46	93	CCI 6" x 1" Plate	40.23 - 41.92	Auto	1.0000
L46	120	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L46	121	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L46	122	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L46	123	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L46	124	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L46	125	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L47	90	CCI 6" x 1" Plate	39.98 - 40.23	Auto	1.0000
L47	91	CCI 6" x 1" Plate	39.98 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L47	92	CCI 6" x 1" Plate	40.23 39.98 - 40.23	Auto	1.0000
L47	93	CCI 6" x 1" Plate	39.98 - 40.23	Auto	1.0000
L47	120	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L47	121	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L47	122	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L47	123	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L47	124	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L47	125	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L48	54	CCI 6" x 1" Plate	34.98 - 39.75	Auto	1.0000
L48	55	CCI 6" x 1" Plate	34.98 - 39.75	Auto	1.0000
L48	56	CCI 6" x 1" Plate	34.98 - 39.75	Auto	1.0000
L48	90	CCI 6" x 1" Plate	37.17 - 39.98	Auto	1.0000
L48	91	CCI 6" x 1" Plate	37.17 - 39.98	Auto	1.0000
L48	92	CCI 6" x 1" Plate	37.17 - 39.98	Auto	1.0000
L48	93	CCI 6" x 1" Plate	37.17 - 39.98	Auto	1.0000
L48	120	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L48	121	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L48	122	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L48	123	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L48	124	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L48	125	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L49	54	CCI 6" x 1" Plate	29.98 - 34.98	Auto	1.0000
L49	55	CCI 6" x 1" Plate	29.98 - 34.98	Auto	1.0000
L49	56	CCI 6" x 1" Plate	29.98 - 34.98	Auto	1.0000
L49	85	CCI 6" x 1" Plate	29.98 - 30.00	Auto	1.0000
L49	86	CCI 6" x 1" Plate	29.98 - 30.00	Auto	1.0000
L49	87	CCI 6" x 1" Plate	29.98 - 30.00	Auto	1.0000
L49	88	CCI 6" x 1" Plate	29.98 - 30.00	Auto	1.0000
L49	120	CCI 6.5" x 1.25" Plate	32.83 - 34.98	Auto	1.0000
L49	121	CCI 6.5" x 1.25" Plate	32.83 - 34.98	Auto	1.0000
L49	122	CCI 6.5" x 1.25" Plate	32.83 - 34.98	Auto	1.0000
L49	123	CCI 6.5" x 1.25" Plate	32.83 - 34.98	Auto	1.0000
L49	124	CCI 6.5" x 1.25" Plate	32.83 - 34.98	Auto	1.0000
L49	125	CCI 6.5" x 1.25" Plate	32.83 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L50	54	CCI 6" x 1" Plate	34.98 28.00 - 29.98	Auto	1.0000
L50	55	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	56	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	85	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	86	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	87	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	88	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L51	54	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	55	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	56	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	85	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	86	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	87	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	88	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L52	54	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	55	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	56	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	85	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	86	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	87	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	88	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	113	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L52	114	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L52	115	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L52	116	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L52	117	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L52	118	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L53	54	CCI 6" x 1" Plate	20.75 - 22.75	Auto	1.0000
L53	55	CCI 6" x 1" Plate	20.75 - 22.75	Auto	1.0000
L53	56	CCI 6" x 1" Plate	20.75 - 22.75	Auto	1.0000
L53	85	CCI 6" x 1" Plate	20.08 - 22.75	Auto	1.0000
L53	86	CCI 6" x 1" Plate	20.08 - 22.75	Auto	1.0000
L53	87	CCI 6" x 1" Plate	20.08 - 22.75	Auto	1.0000
L53	88	CCI 6" x 1" Plate	20.08 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L53	113	CCI 6.5" x 1.25" Plate	22.75 20.08 - 22.75	Auto	1.0000
L53	114	CCI 6.5" x 1.25" Plate	20.08 - 22.75	Auto	1.0000
L53	115	CCI 6.5" x 1.25" Plate	20.08 - 22.75	Auto	1.0000
L53	116	CCI 6.5" x 1.25" Plate	20.08 - 22.75	Auto	1.0000
L53	117	CCI 6.5" x 1.25" Plate	20.08 - 22.75	Auto	1.0000
L53	118	CCI 6.5" x 1.25" Plate	20.08 - 22.75	Auto	1.0000
L54	85	CCI 6" x 1" Plate	19.83 - 20.08	Auto	1.0000
L54	86	CCI 6" x 1" Plate	19.83 - 20.08	Auto	1.0000
L54	87	CCI 6" x 1" Plate	19.83 - 20.08	Auto	1.0000
L54	88	CCI 6" x 1" Plate	19.83 - 20.08	Auto	1.0000
L54	113	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L54	114	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L54	115	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L54	116	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L54	117	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L54	118	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L55	80	CCI 6" x 1" Plate	17.00 - 19.00	Auto	1.0000
L55	81	CCI 6" x 1" Plate	17.00 - 19.00	Auto	1.0000
L55	82	CCI 6" x 1" Plate	17.00 - 19.00	Auto	1.0000
L55	83	CCI 6" x 1" Plate	17.00 - 19.00	Auto	1.0000
L55	85	CCI 6" x 1" Plate	17.00 - 19.83	Auto	1.0000
L55	86	CCI 6" x 1" Plate	17.00 - 19.83	Auto	1.0000
L55	87	CCI 6" x 1" Plate	17.00 - 19.83	Auto	1.0000
L55	88	CCI 6" x 1" Plate	17.00 - 19.83	Auto	1.0000
L55	113	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000
L55	114	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000
L55	115	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000
L55	116	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000
L55	117	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000
L55	118	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000
L56	80	CCI 6" x 1" Plate	16.75 - 17.00	Auto	1.0000
L56	81	CCI 6" x 1" Plate	16.75 - 17.00	Auto	1.0000
L56	82	CCI 6" x 1" Plate	16.75 - 17.00	Auto	1.0000
L56	83	CCI 6" x 1" Plate	16.75 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L56	113	CCI 6.5" x 1.25" Plate	17.00 16.75 - 17.00	Auto	1.0000
L56	114	CCI 6.5" x 1.25" Plate	17.00 16.75 - 17.00	Auto	1.0000
L56	115	CCI 6.5" x 1.25" Plate	17.00 16.75 - 17.00	Auto	1.0000
L56	116	CCI 6.5" x 1.25" Plate	17.00 16.75 - 17.00	Auto	1.0000
L56	117	CCI 6.5" x 1.25" Plate	17.00 16.75 - 17.00	Auto	1.0000
L56	118	CCI 6.5" x 1.25" Plate	17.00 16.75 - 17.00	Auto	1.0000
L57	52	CCI 4" x 0.75" Plate	11.65 - 13.17	Auto	1.0000
L57	80	CCI 6" x 1" Plate	11.65 - 16.75	Auto	1.0000
L57	81	CCI 6" x 1" Plate	11.65 - 16.75	Auto	1.0000
L57	82	CCI 6" x 1" Plate	11.65 - 16.75	Auto	1.0000
L57	83	CCI 6" x 1" Plate	11.65 - 16.75	Auto	1.0000
L57	113	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L57	114	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L57	115	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L57	116	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L57	117	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L57	118	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L58	52	CCI 4" x 0.75" Plate	11.42 - 11.65	Auto	1.0000
L58	80	CCI 6" x 1" Plate	11.42 - 11.65	Auto	1.0000
L58	81	CCI 6" x 1" Plate	11.42 - 11.65	Auto	1.0000
L58	82	CCI 6" x 1" Plate	11.42 - 11.65	Auto	1.0000
L58	83	CCI 6" x 1" Plate	11.42 - 11.65	Auto	1.0000
L59	50	CCI 4" x 0.75" Plate	9.40 - 10.88	Auto	1.0000
L59	51	CCI 4" x 0.75" Plate	9.40 - 10.88	Auto	1.0000
L59	52	CCI 4" x 0.75" Plate	9.40 - 11.42	Auto	1.0000
L59	80	CCI 6" x 1" Plate	9.40 - 11.42	Auto	1.0000
L59	81	CCI 6" x 1" Plate	9.40 - 11.42	Auto	1.0000
L59	82	CCI 6" x 1" Plate	9.40 - 11.42	Auto	1.0000
L59	83	CCI 6" x 1" Plate	9.40 - 11.42	Auto	1.0000
L60	50	CCI 4" x 0.75" Plate	9.15 - 9.40	Auto	1.0000
L60	51	CCI 4" x 0.75" Plate	9.15 - 9.40	Auto	1.0000
L60	52	CCI 4" x 0.75" Plate	9.15 - 9.40	Auto	1.0000
L60	80	CCI 6" x 1" Plate	9.15 - 9.40	Auto	1.0000
L60	81	CCI 6" x 1" Plate	9.15 - 9.40	Auto	1.0000
L60	82	CCI 6" x 1" Plate	9.15 - 9.40	Auto	1.0000
L60	83	CCI 6" x 1" Plate	9.15 - 9.40	Auto	1.0000
L61	50	CCI 4" x 0.75" Plate	4.83 - 9.15	Auto	1.0000
L61	51	CCI 4" x 0.75" Plate	4.83 - 9.15	Auto	1.0000
L61	52	CCI 4" x 0.75" Plate	4.83 - 9.15	Auto	1.0000
L61	80	CCI 6" x 1" Plate	4.83 - 9.15	Auto	1.0000
L61	81	CCI 6" x 1" Plate	4.83 - 9.15	Auto	1.0000
L61	82	CCI 6" x 1" Plate	4.83 - 9.15	Auto	1.0000
L61	83	CCI 6" x 1" Plate	4.83 - 9.15	Auto	1.0000
L62	50	CCI 4" x 0.75" Plate	4.58 - 4.83	Auto	1.0000
L62	51	CCI 4" x 0.75" Plate	4.58 - 4.83	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L62	52	CCI 4" x 0.75" Plate	4.58 - 4.83	Auto	1.0000
L62	80	CCI 6" x 1" Plate	4.58 - 4.83	Auto	1.0000
L62	81	CCI 6" x 1" Plate	4.58 - 4.83	Auto	1.0000
L62	82	CCI 6" x 1" Plate	4.58 - 4.83	Auto	1.0000
L62	83	CCI 6" x 1" Plate	4.58 - 4.83	Auto	1.0000
L63	50	CCI 4" x 0.75" Plate	0.00 - 4.58	Auto	1.0000
L63	51	CCI 4" x 0.75" Plate	0.00 - 4.58	Auto	1.0000
L63	52	CCI 4" x 0.75" Plate	3.17 - 4.58	Auto	1.0000
L63	80	CCI 6" x 1" Plate	0.00 - 4.58	Auto	1.0000
L63	81	CCI 6" x 1" Plate	0.00 - 4.58	Auto	1.0000
L63	82	CCI 6" x 1" Plate	0.00 - 4.58	Auto	1.0000
L63	83	CCI 6" x 1" Plate	0.00 - 4.58	Auto	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
Lightning Rod 5/8" x 4' on 4' Pole	B	From Leg	1.00 0.00 4.00	0.0000	191.67
* 4' ICE SHIELDS	A	From Leg	0.50 0.00 0.00	0.0000	178.00
4' ICE SHIELDS	A	From Leg	0.50 0.00 0.00	0.0000	138.00
4' ICE SHIELDS	A	From Leg	0.50 0.00 0.00	0.0000	98.00
4' ICE SHIELDS	B	From Leg	0.50 0.00 0.00	0.0000	98.00
4' ICE SHIELDS	C	From Leg	0.50 0.00 0.00	0.0000	98.00
***** OGB4-900D	C	From Leg	3.00 0.00 4.00	0.0000	192.00
Side Arm Mount [SO 701-1]	C	From Leg	1.50 0.00 0.00	0.0000	192.00
*** DB589-A	B	From Leg	3.00 0.00 5.00	0.0000	191.00
WB2623 w/ Mount Pipe	B	From Leg	3.00 0.00 -1.00	0.0000	191.00
Side Arm Mount [SO 701-1]	B	From Leg	1.50 0.00 0.00	0.0000	191.00
*** AIR -32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.00 0.00	0.0000	184.00

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement
			Horz Lateral ft	Vert ft		
AIR -32 B2A/B66AA w/ Mount Pipe	B	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
AIR -32 B2A/B66AA w/ Mount Pipe	C	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
RADIO 4415 B25_TMO	A	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
RADIO 4415 B25_TMO	B	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
RADIO 4415 B25_TMO	C	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	0.00	4.00	0.0000	184.00
			0.00	0.00		
Platform Mount [LP 405-1_HR-1] *****	C	None			0.0000	184.00
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00	0.00	0.0000	168.00
			0.00	3.00		
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00	0.00	0.0000	168.00
			0.00	3.00		
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00	0.00	0.0000	168.00
			0.00	3.00		
TA08025-B604	A	From Leg	4.00	0.00	0.0000	168.00
			0.00	3.00		
TA08025-B604	B	From Leg	4.00	0.00	0.0000	168.00
			0.00	3.00		
TA08025-B604	C	From Leg	4.00	0.00	0.0000	168.00
			0.00	3.00		
TA08025-B605	A	From Leg	4.00	0.00	0.0000	168.00
			0.00	3.00		

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment °	Placement ft
			Horz Lateral ft	Vert ft		
TA08025-B605	B	From Leg	3.00	4.00	0.0000	168.00
			0.00	3.00		
TA08025-B605	C	From Leg	4.00	0.00	0.0000	168.00
			3.00	4.00		
RDIDC-9181-PF-48	A	From Leg	4.00	0.00	0.0000	168.00
			0.00	3.00		
(2) 8' x 2" Mount Pipe	A	From Leg	4.00	0.00	0.0000	168.00
			0.00	3.00		
(2) 8' x 2" Mount Pipe	B	From Leg	4.00	0.00	0.0000	168.00
			0.00	3.00		
(2) 8' x 2" Mount Pipe	C	From Leg	4.00	0.00	0.0000	168.00
			0.00	3.00		
Sabre_C10801018-32788 ***	C	None			0.0000	168.00
BSF0020F3V1	B	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
HBXX-6517DS-A2M w/ Mount Pipe	C	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
LNX-6514DS-A1M w/ Mount Pipe	A	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
LNX-6514DS-A1M w/ Mount Pipe	B	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
(2) NNHH-65B-R4 w/ Mount Pipe	A	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
(2) NNHH-65B-R4 w/ Mount Pipe	B	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
(2) NNHH-65B-R4 w/ Mount Pipe	C	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
MT6407-77A w/ Mount Pipe	A	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
MT6407-77A w/ Mount Pipe	B	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
MT6407-77A w/ Mount Pipe	C	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
RVZDC-6627-PF-48	B	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
RFV01U-D1A	A	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
RFV01U-D1A	B	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
RFV01U-D1A	C	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		
RFV01U-D2A	A	From Leg	4.00	0.00	0.0000	160.00
			0.00	0.00		

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
RFV01U-D2A	B	From Leg	0.00 4.00 0.00 0.00	0.0000	160.00
RFV01U-D2A	C	From Leg	4.00 0.00 0.00	0.0000	160.00
Platform Mount [LP 303-1_KCKR-HR-1] *****	C	None		0.0000	160.00
SRL-224NM-4	B	From Leg	6.00 0.00 0.00	0.0000	158.00
DB205-A	C	From Leg	6.00 0.00 0.00	0.0000	158.00
Side Arm Mount [SO 702-1]	B	From Leg	3.00 0.00 0.00	0.0000	158.00
Side Arm Mount [SO 702-1]	C	From Leg	3.00 0.00 0.00	0.0000	158.00
4' x 2" Pipe Mount	B	From Leg	6.00 0.00 0.00	0.0000	158.00
4' x 2" Pipe Mount	C	From Leg	6.00 0.00 0.00	0.0000	158.00

RRUS 32 B30	A	From Leg	4.00 0.00 -2.00	0.0000	151.00
RRUS 32 B30	B	From Leg	4.00 0.00 -2.00	0.0000	151.00
RRUS 32 B30	C	From Leg	4.00 0.00 -2.00	0.0000	151.00
DC6-48-60-18-8F	C	From Leg	4.00 0.00 -2.00	0.0000	151.00
Platform Mount [LP 402-1_KCKR] ***	C	None		0.0000	151.00
DMP65R-BU8D w/ Mount Pipe	A	From Leg	4.00 0.00 -2.00	0.0000	151.00
DMP65R-BU8D w/ Mount Pipe	B	From Leg	4.00 0.00 -2.00	0.0000	151.00
DMP65R-BU8D w/ Mount Pipe	C	From Leg	4.00 0.00 -2.00	0.0000	151.00
TPA65R-BU8D w/ Mount Pipe	A	From Leg	4.00 0.00 -2.00	0.0000	151.00
TPA65R-BU8D w/ Mount Pipe	B	From Leg	4.00 0.00 -2.00	0.0000	151.00
TPA65R-BU8D w/ Mount Pipe	C	From Leg	4.00 0.00 -2.00	0.0000	151.00
AIR 6449 N77	A	From Leg	4.00 0.00 -1.00	0.0000	151.00
AIR 6449 N77	B	From Leg	4.00 0.00	0.0000	151.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
AIR 6449 N77	C	From Leg	-1.00 4.00 0.00	0.0000	151.00
AIR 6419 B77G	A	From Leg	-1.00 4.00 0.00	0.0000	151.00
AIR 6419 B77G	B	From Leg	-3.00 4.00 0.00	0.0000	151.00
AIR 6419 B77G	C	From Leg	-3.00 4.00 0.00	0.0000	151.00
RRUS 8843 B2/B66A_CCIV2	A	From Leg	-3.00 4.00 0.00	0.0000	151.00
RRUS 8843 B2/B66A_CCIV2	B	From Leg	-2.00 4.00 0.00	0.0000	151.00
RRUS 8843 B2/B66A_CCIV2	C	From Leg	-2.00 4.00 0.00	0.0000	151.00
RRUS 4449 B5/B12	A	From Leg	-2.00 4.00 0.00	0.0000	151.00
RRUS 4449 B5/B12	B	From Leg	-2.00 4.00 0.00	0.0000	151.00
RRUS 4449 B5/B12	C	From Leg	-2.00 4.00 0.00	0.0000	151.00
RRUS 4478 B14_CCIV2	A	From Leg	-2.00 4.00 0.00	0.0000	151.00
RRUS 4478 B14_CCIV2	B	From Leg	-2.00 4.00 0.00	0.0000	151.00
RRUS 4478 B14_CCIV2	C	From Leg	-2.00 4.00 0.00	0.0000	151.00
DC9-48-60-24-8C-EV	A	From Leg	-2.00 4.00 0.00	0.0000	151.00
8' x 2" Mount Pipe	A	From Leg	-2.00 4.00 0.00	0.0000	151.00
8' x 2" Mount Pipe	B	From Leg	0.00 4.00 0.00	0.0000	151.00
8' x 2" Mount Pipe	C	From Leg	0.00 4.00 0.00	0.0000	151.00
*** DC6-48-60-18-8F	B	From Leg	2.00 0.00 -1.00	0.0000	150.00
Side Arm Mount [SO 102-1]	B	From Leg	1.00 0.00 0.00	0.0000	150.00
*** SRL-235-2	B	From Leg	6.00 0.00 0.00	0.0000	132.00
Side Arm Mount [SO 702-1]	B	From Leg	3.00 0.00	0.0000	132.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
Side Arm Mount [SO 104-3] 4' x 2" Pipe Mount	C B	None From Leg	0.00 6.00 0.00 0.00	0.0000 0.0000	132.00 132.00

PCS 1900 TMA RX	A	From Leg	2.00 0.00 0.00	0.0000	124.00
Side Arm Mount [SO 104-3] 2' x 2" Pipe Mount	A A	None From Leg	2.00 0.00 0.00	0.0000 0.0000	124.00 124.00
*** *** *** ****					
DB205-A	C	From Leg	6.00 0.00 9.00	0.0000	90.00
MT-485002	C	From Leg	6.00 0.00 0.00	0.0000	90.00
Side Arm Mount [SO 702-3] 5' x 2" Pipe Mount	C C	None From Leg	6.00 0.00 0.00	0.0000 0.0000	90.00 90.00

SRL-235-2	C	From Leg	3.00 0.00 0.00	0.0000	70.00
Side Arm Mount [SO 701-1]	C	From Leg	1.50 0.00 0.00	0.0000	70.00
Side Arm Mount [SO 102-3] 6' x 2" Mount Pipe	C C	None From Leg	3.00 0.00 0.00	0.0000 0.0000	70.00 70.00

DB909XVTE-M	B	From Leg	3.00 0.00 0.00	0.0000	33.00
Side Arm Mount [SO 701-1]	B	From Leg	1.50 0.00 0.00	0.0000	33.00
Side Arm Mount [SO 102-3] 6' x 2" Mount Pipe	B B	None From Leg	3.00 0.00 0.00	0.0000 0.0000	33.00 33.00

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft
*								

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft
KP2F-34	B	Grid	From Leg	6.00 0.00 0.00	5.0000		90.00	2.00

Load Combinations

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	191.667 - 186.667	Pole	Max Tension	36	0.00	-0.00	0.00
			Max. Compression	26	-1.27	-0.76	-0.88
			Max. Mx	8	-0.67	-3.39	-0.38
			Max. My	14	-0.67	-0.25	-3.62
			Max. Vy	8	0.60	-3.39	-0.38
			Max. Vx	14	0.61	-0.25	-3.62
			Max. Torque	6			-0.72
L2	186.667 - 181.567	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-11.96	-0.77	-0.90
			Max. Mx	8	-5.76	-15.67	-0.49
			Max. My	14	-5.76	-0.35	-15.97
			Max. Vy	8	4.37	-15.67	-0.49
			Max. Vx	14	4.39	-0.35	-15.97
			Max. Torque	6			-0.72
L3	181.567 - 176.567	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-13.08	-0.80	-0.54
			Max. Mx	8	-6.40	-38.29	-0.54
			Max. My	14	-6.39	-0.46	-38.65
			Max. Vy	8	4.68	-38.29	-0.54
			Max. Vx	14	4.73	-0.46	-38.65
			Max. Torque	6			-0.72
L4	176.567 - 171.567	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-13.95	-0.83	-0.57
			Max. Mx	8	-7.00	-62.39	-0.65
			Max. My	14	-6.99	-0.57	-63.02
			Max. Vy	8	4.96	-62.39	-0.65
			Max. Vx	14	5.01	-0.57	-63.02
			Max. Torque	6			-0.70
L5	171.567 - 166.567	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-20.38	-0.88	-0.15
			Max. Mx	8	-10.39	-95.46	-0.66
			Max. My	14	-10.38	-0.68	-96.35
			Max. Vy	8	7.81	-95.46	-0.66
			Max. Vx	14	7.89	-0.68	-96.35
			Max. Torque	6			-0.70
L6	166.567 - 161.567	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-21.30	-0.97	-0.15
			Max. Mx	8	-11.01	-135.17	-0.76
			Max. My	14	-11.01	-0.81	-136.43
			Max. Vy	8	8.07	-135.17	-0.76
			Max. Vx	14	8.15	-0.81	-136.43
			Max. Torque	5			-0.58
L7	161.567 - 156.567	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-32.33	-1.95	-1.97
			Max. Mx	8	-15.76	-189.93	-1.68
			Max. My	14	-15.75	-1.17	-192.10
			Max. Vy	8	12.44	-189.93	-1.68
			Max. Vx	14	12.51	-1.17	-192.10
			Max. Torque	7			-1.92
L8	156.567 - 151.567	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33.46	-2.27	-1.85
			Max. Mx	8	-16.45	-252.82	-1.82
			Max. My	14	-16.45	-1.40	-255.18
			Max. Vy	8	12.69	-252.82	-1.82
			Max. Vx	14	12.74	-1.40	-255.18
			Max. Torque	7			-1.92
L9	151.567 - 146.567	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.36	-2.57	-1.61
			Max. Mx	8	-22.52	-334.76	-1.91
			Max. My	14	-22.52	-1.64	-337.19

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L10	146.567 - 141.567	Pole	Max. Vy	8	18.59	-334.76	-1.91
			Max. Vx	14	18.62	-1.64	-337.19
			Max. Torque	7			-1.95
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.56	-2.91	-1.49
L11	141.567 - 141.417	Pole	Max. Mx	8	-23.34	-428.15	-2.06
			Max. My	14	-23.34	-1.87	-430.62
			Max. Vy	8	18.76	-428.15	-2.06
			Max. Vx	14	18.78	-1.87	-430.62
			Max. Torque	7			-1.95
L12	141.417 - 136.417	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.59	-2.92	-1.49
			Max. Mx	8	-23.38	-430.96	-2.06
			Max. My	14	-23.37	-1.88	-433.43
			Max. Vy	8	18.76	-430.96	-2.06
L13	136.417 - 131.417	Pole	Max. Vx	14	18.78	-1.88	-433.43
			Max. Torque	7			-1.95
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.43	-3.36	-0.81
			Max. Mx	8	-24.46	-525.74	-2.12
L14	131.417 - 126.417	Pole	Max. My	14	-24.46	-2.14	-528.15
			Max. Vy	8	19.13	-525.74	-2.12
			Max. Vx	14	19.18	-2.14	-528.15
			Max. Torque	7			-1.95
			Max Tension	1	0.00	0.00	0.00
L15	126.417 - 121.417	Pole	Max. Compression	26	-53.15	-6.40	-2.13
			Max. Mx	8	-26.01	-623.54	-2.75
			Max. My	14	-26.00	-3.27	-625.69
			Max. Vy	8	19.92	-623.54	-2.75
			Max. Vx	14	19.98	-3.27	-625.69
L16	121.417 - 121.167	Pole	Max. Torque	5			-4.03
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.80	-6.84	-1.95
			Max. Mx	8	-27.12	-723.97	-2.80
			Max. My	14	-27.12	-3.46	-726.34
L17	121.167 - 116.167	Pole	Max. Vy	8	20.24	-723.97	-2.80
			Max. Vx	14	20.30	-3.46	-726.34
			Max. Torque	5			-4.03
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-58.04	-7.34	-1.61
L18	116.167 - 111.167	Pole	Max. Mx	8	-29.30	-826.48	-2.77
			Max. My	14	-29.28	-3.69	-829.72
			Max. Vy	20	-21.04	823.11	0.59
			Max. Vx	14	21.11	-3.69	-829.72
			Max. Torque	5			-4.03
L17	121.167 - 116.167	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-58.14	-7.37	-1.61
			Max. Mx	8	-29.37	-831.67	-2.78
			Max. My	14	-29.36	-3.70	-835.00
			Max. Vy	20	-21.05	828.37	0.60
L18	116.167 - 111.167	Pole	Max. Vx	14	21.12	-3.70	-835.00
			Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.19	-7.87	-1.41
			Max. Mx	8	-30.76	-936.37	-2.83
L18	116.167 - 111.167	Pole	Max. My	14	-30.74	-3.91	-941.47
			Max. Vy	20	-21.42	934.41	0.71
			Max. Vx	14	21.50	-3.91	-941.47
			Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L19	111.167 - 110.042	Pole	Max. Compression	26	-61.97	-8.33	-1.20
			Max. Mx	8	-31.97	-1042.86	-2.87
			Max. My	14	-31.96	-4.10	-1049.74
			Max. Vy	20	-21.78	1042.29	0.84
			Max. Vx	14	21.85	-4.10	-1049.74
			Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.40	-8.37	-1.16
L20	110.042 - 109.792	Pole	Max. Mx	8	-32.25	-1067.12	-2.88
			Max. My	14	-32.23	-4.14	-1074.34
			Max. Vy	20	-21.85	1066.80	0.87
			Max. Vx	14	21.92	-4.14	-1074.34
			Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.51	-8.38	-1.15
			Max. Mx	8	-32.32	-1072.53	-2.88
L21	109.792 - 105.083	Pole	Max. My	14	-32.31	-4.15	-1079.82
			Max. Vy	20	-21.87	1072.26	0.88
			Max. Vx	14	21.94	-4.15	-1079.82
			Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.78	-8.54	-0.97
			Max. Mx	8	-33.82	-1176.36	-2.92
			Max. My	14	-33.83	-4.33	-1183.86
L22	105.083 - 104.833	Pole	Max. Vy	8	22.41	-1176.36	-2.92
			Max. Vx	14	22.28	-4.33	-1183.86
			Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.93	-8.55	-0.97
			Max. Mx	8	-33.92	-1181.96	-2.93
			Max. My	14	-33.93	-4.34	-1189.43
			Max. Vy	8	22.44	-1181.96	-2.93
L23	104.833 - 100.917	Pole	Max. Vx	14	22.31	-4.34	-1189.43
			Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68.06	-8.70	-0.85
			Max. Mx	8	-36.22	-1271.20	-2.99
			Max. My	14	-36.23	-4.46	-1278.04
			Max. Vy	8	23.12	-1271.20	-2.99
			Max. Vx	14	22.95	-4.46	-1278.04
L24	100.917 - 100.667	Pole	Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68.20	-8.73	-0.84
			Max. Mx	8	-36.32	-1276.99	-3.00
			Max. My	14	-36.33	-4.47	-1283.78
			Max. Vy	8	23.16	-1276.99	-3.00
			Max. Vx	14	22.99	-4.47	-1283.78
			Max. Torque	5			-4.00
L25	100.667 - 95.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.28	-9.22	-0.63
			Max. Mx	8	-38.01	-1390.13	-3.04
			Max. My	14	-38.02	-4.66	-1395.97
			Max. Vy	8	23.64	-1390.13	-3.04
			Max. Vx	14	23.47	-4.66	-1395.97
			Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00
L26	95.833 - 95.583	Pole	Max. Compression	26	-71.40	-9.25	-0.62
			Max. Mx	8	-38.10	-1396.04	-3.04
			Max. My	14	-38.11	-4.67	-1401.83
			Max. Vy	8	23.65	-1396.04	-3.04
			Max. Vx	14	23.48	-4.67	-1401.83
			Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.40	-9.25	-0.62

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L27	95.583 - 90.583	Pole	Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-73.79	-9.77	-0.38
			Max. Mx	8	-39.73	-1515.35	-3.07
			Max. My	14	-39.73	-4.87	-1520.14
			Max. Vy	8	24.04	-1515.35	-3.07
			Max. Vx	14	23.87	-4.87	-1520.14
L28	90.583 - 89.917	Pole	Max. Torque	5			-4.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.63	-9.09	-1.24
			Max. Mx	8	-40.12	-1531.32	-3.38
			Max. My	14	-40.12	-4.44	-1536.77
			Max. Vy	8	24.34	-1531.32	-3.38
			Max. Vx	14	24.20	-4.44	-1536.77
L29	89.917 - 89.667	Pole	Max. Torque	7			-4.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.78	-9.12	-1.23
			Max. Mx	8	-40.22	-1537.41	-3.38
			Max. My	14	-40.23	-4.45	-1542.82
			Max. Vy	8	24.38	-1537.41	-3.38
			Max. Vx	14	24.24	-4.45	-1542.82
L30	89.667 - 84.667	Pole	Max. Torque	7			-4.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-78.51	-9.47	-0.94
			Max. Mx	8	-42.89	-1661.43	-3.33
			Max. My	14	-42.90	-4.48	-1666.08
			Max. Vy	8	25.24	-1661.43	-3.33
			Max. Vx	14	25.11	-4.48	-1666.08
L31	84.667 - 80.833	Pole	Max. Torque	7			-4.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.44	-9.62	-0.67
			Max. Mx	8	-45.95	-1759.36	-3.24
			Max. My	14	-45.95	-4.40	-1763.54
			Max. Vy	8	25.93	-1759.36	-3.24
			Max. Vx	14	25.80	-4.40	-1763.54
L32	80.833 - 80.333	Pole	Max. Torque	7			-4.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.91	-9.64	-0.64
			Max. Mx	8	-46.31	-1772.34	-3.23
			Max. My	14	-46.31	-4.39	-1776.44
			Max. Vy	8	26.02	-1772.34	-3.23
			Max. Vx	14	25.89	-4.39	-1776.44
L33	80.333 - 80.083	Pole	Max. Torque	7			-4.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.09	-9.67	-0.62
			Max. Mx	8	-46.44	-1778.85	-3.23
			Max. My	14	-46.45	-4.39	-1782.92
			Max. Vy	8	26.07	-1778.85	-3.23
			Max. Vx	14	25.94	-4.39	-1782.92
L34	80.083 - 75.083	Pole	Max. Torque	7			-4.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.38	-10.15	-0.35
			Max. Mx	8	-48.75	-1911.38	-3.19
			Max. My	14	-48.76	-4.51	-1914.68
			Max. Vy	8	26.94	-1911.38	-3.19
			Max. Vx	14	26.81	-4.51	-1914.68
L35	75.083 - 70.083	Pole	Max. Torque	7			-4.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-90.21	-10.88	-0.11
			Max. Mx	8	-51.49	-2048.48	-3.18

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft			
L36	70.083 - 69.5	Pole	Max. My	14	-51.49	-4.82	-2050.83			
			Max. Vy	8	27.82	-2048.48	-3.18			
			Max. Vx	14	27.69	-4.82	-2050.83			
			Max. Torque	7			-4.19			
			Max Tension	1	0.00	0.00	0.00			
			Max. Compression	26	-91.36	-9.08	-1.17			
			Max. Mx	8	-52.14	-2064.17	-3.62			
			Max. My	14	-52.14	-4.10	-2067.67			
			Max. Vy	8	28.34	-2064.17	-3.62			
			Max. Vx	14	28.23	-4.10	-2067.67			
L37	69.5 - 69.25	Pole	Max. Torque	7			-4.19			
			Max Tension	1	0.00	0.00	0.00			
			Max. Compression	26	-91.60	-9.13	-1.16			
			Max. Mx	8	-52.32	-2071.27	-3.63			
			Max. My	14	-52.32	-4.12	-2074.73			
			Max. Vy	8	28.39	-2071.27	-3.63			
			Max. Vx	14	28.27	-4.12	-2074.73			
			Max. Torque	7			-4.19			
			Max Tension	1	0.00	0.00	0.00			
			L38	69.25 - 64.25	Pole	Max. Compression	26	-99.29	-10.37	-0.91
Max. Mx	8	-58.52				-2216.46	-3.66			
Max. My	14	-58.52				-4.99	-2218.51			
Max. Vy	8	29.40				-2216.46	-3.66			
Max. Vx	14	29.28				-4.99	-2218.51			
Max. Torque	7						-4.19			
Max Tension	1	0.00				0.00	0.00			
L39	64.25 - 60.583	Pole				Max. Compression	26	-105.53	-11.34	-0.68
						Max. Mx	8	-63.57	-2326.48	-3.65
						Max. My	14	-63.57	-5.66	-2327.43
			Max. Vy	8	30.31	-2326.48	-3.65			
			Max. Vx	14	30.19	-5.66	-2327.43			
			Max. Torque	7			-4.19			
			Max Tension	1	0.00	0.00	0.00			
			L40	60.583 - 60.333	Pole	Max. Compression	26	-105.78	-11.38	-0.66
						Max. Mx	8	-63.77	-2334.08	-3.65
						Max. My	14	-63.77	-5.69	-2334.98
Max. Vy	8	30.35				-2334.08	-3.65			
Max. Vx	14	30.23				-5.69	-2334.98			
Max. Torque	7						-4.19			
Max Tension	1	0.00				0.00	0.00			
L41	60.333 - 55.333	Pole				Max. Compression	26	-110.69	-12.19	-0.36
						Max. Mx	8	-67.38	-2488.47	-3.67
						Max. My	14	-67.38	-6.14	-2488.38
			Max. Vy	8	31.29	-2488.47	-3.67			
			Max. Vx	14	31.17	-6.14	-2488.38			
			Max. Torque	7			-4.19			
			Max Tension	1	0.00	0.00	0.00			
			L42	55.333 - 52.167	Pole	Max. Compression	26	-112.60	-12.53	-0.19
						Max. Mx	8	-68.77	-2587.95	-3.69
						Max. My	14	-68.77	-6.30	-2587.38
Max. Vy	8	31.52				-2587.95	-3.69			
Max. Vx	14	31.41				-6.30	-2587.38			
Max. Torque	7						-4.19			
Max Tension	1	0.00				0.00	0.00			
L43	52.167 - 51.917	Pole				Max. Compression	26	-112.78	-12.56	-0.17
						Max. Mx	8	-68.91	-2595.84	-3.69
						Max. My	14	-68.91	-6.31	-2595.23
			Max. Vy	8	31.54	-2595.84	-3.69			
			Max. Vx	14	31.43	-6.31	-2595.23			
			Max. Torque	7			-4.19			
			Max Tension	1	0.00	0.00	0.00			
			L44	51.917 - 46.917	Pole	Max. Torque	7			-4.19
						Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L45	46.917 - 41.917	Pole	Max. Compression	26	-116.80	-13.22	0.15
			Max. Mx	8	-71.84	-2755.77	-3.64
			Max. My	14	-71.84	-6.63	-2754.26
			Max. Vy	8	32.37	-2755.77	-3.64
			Max. Vx	14	32.26	-6.63	-2754.26
			Max. Torque	7			-4.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-122.03	-13.92	0.94
L46	41.917 - 40.233	Pole	Max. Mx	8	-75.64	-2919.96	-3.20
			Max. My	14	-75.64	-6.96	-2917.24
			Max. Vy	8	33.24	-2919.96	-3.20
			Max. Vx	14	33.16	-6.96	-2917.24
			Max. Torque	7			-4.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-123.70	-14.14	1.20
			L47	40.233 - 39.983	Pole	Max. Mx	8
Max. My	14	-76.86				-7.06	-2973.12
Max. Vy	8	33.52				-2976.20	-3.06
Max. Vx	14	33.45				-7.06	-2973.12
Max. Torque	7						-4.19
Max Tension	1	0.00				0.00	0.00
Max. Compression	26	-123.93				-14.17	1.24
L48	39.983 - 34.983	Pole				Max. Mx	8
			Max. My	14	-77.04	-7.07	-2981.46
			Max. Vy	8	33.55	-2984.59	-3.04
			Max. Vx	14	33.48	-7.07	-2981.46
			Max. Torque	7			-4.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-128.61	-14.69	2.07
			L49	34.983 - 29.983	Pole	Max. Mx	8
Max. My	14	-80.54				-7.30	-3150.24
Max. Vy	8	34.32				-3154.33	-2.60
Max. Vx	14	34.27				-7.30	-3150.24
Max. Torque	7						-4.19
Max Tension	1	0.00				0.00	0.00
Max. Compression	26	-132.88				-16.35	1.94
L50	29.983 - 28	Pole				Max. Mx	8
			Max. My	14	-83.69	-8.00	-3323.84
			Max. Vy	8	35.19	-3328.77	-2.68
			Max. Vx	14	35.15	-8.00	-3323.84
			Max. Torque	7			-4.75
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-134.24	-16.54	2.02
			L51	28 - 27.75	Pole	Max. Mx	8
Max. My	14	-84.68				-8.08	-3393.73
Max. Vy	8	35.46				-3398.83	-2.67
Max. Vx	14	35.41				-8.08	-3393.73
Max. Torque	7						-4.75
Max Tension	1	0.00				0.00	0.00
Max. Compression	26	-134.44				-16.57	2.03
L52	27.75 - 22.75	Pole				Max. Mx	8
			Max. My	14	-84.84	-8.09	-3402.57
			Max. Vy	8	35.47	-3407.70	-2.67
			Max. Vx	14	35.42	-8.09	-3402.57
			Max. Torque	7			-4.75
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-139.58	-17.12	2.19
			L53	22.75 -	Pole	Max. Mx	8
Max. My	14	-88.79				-8.34	-3581.39
Max. Vy	8	36.20				-3587.02	-2.68
Max. Vx	14	36.14				-8.34	-3581.39
Max. Torque	7						-4.75
Max Tension	1	0.00				0.00	0.00
Max. Compression	26	-139.58				-17.12	2.19

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
	20.083		Max. Compression	26	-142.32	-17.41	2.28
			Max. Mx	8	-90.92	-3684.13	-2.69
			Max. My	14	-90.92	-8.48	-3678.22
			Max. Vy	8	36.58	-3684.13	-2.69
			Max. Vx	14	36.51	-8.48	-3678.22
			Max. Torque	7			-4.75
L54	20.083 - 19.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-142.56	-17.44	2.29
			Max. Mx	8	-91.11	-3693.28	-2.69
			Max. My	14	-91.11	-8.49	-3687.34
			Max. Vy	8	36.60	-3693.28	-2.69
			Max. Vx	14	36.53	-8.49	-3687.34
			Max. Torque	7			-4.75
L55	19.833 - 17	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-145.26	-17.78	2.33
			Max. Mx	8	-93.15	-3797.60	-2.70
			Max. My	14	-93.15	-8.64	-3791.33
			Max. Vy	8	37.00	-3797.60	-2.70
			Max. Vx	14	36.92	-8.64	-3791.33
			Max. Torque	7			-4.75
L56	17 - 16.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-145.51	-17.82	2.33
			Max. Mx	8	-93.37	-3806.86	-2.70
			Max. My	14	-93.37	-8.65	-3800.56
			Max. Vy	8	37.01	-3806.86	-2.70
			Max. Vx	14	36.94	-8.65	-3800.56
			Max. Torque	7			-4.75
L57	16.75 - 11.65	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-150.53	-18.45	2.40
			Max. Mx	8	-97.41	-3997.44	-2.71
			Max. My	14	-97.41	-8.90	-3990.50
			Max. Vy	8	37.68	-3997.44	-2.71
			Max. Vx	14	37.59	-8.90	-3990.50
			Max. Torque	7			-4.75
L58	11.65 - 11.417	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-150.72	-18.48	2.40
			Max. Mx	8	-97.57	-4006.23	-2.71
			Max. My	14	-97.57	-8.91	-3999.25
			Max. Vy	8	37.68	-4006.23	-2.71
			Max. Vx	14	37.59	-8.91	-3999.25
			Max. Torque	7			-4.75
L59	11.417 - 9.396	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-152.31	-18.69	2.47
			Max. Mx	8	-98.85	-4082.65	-2.70
			Max. My	14	-98.85	-8.99	-4075.27
			Max. Vy	8	37.93	-4082.65	-2.70
			Max. Vx	14	37.69	-8.99	-4075.27
			Max. Torque	7			-4.75
L60	9.396 - 9.146	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-152.52	-18.72	2.48
			Max. Mx	8	-99.02	-4092.14	-2.70
			Max. My	14	-99.02	-9.00	-4084.68
			Max. Vy	8	37.94	-4092.14	-2.70
			Max. Vx	14	37.71	-9.00	-4084.68
			Max. Torque	7			-4.75
L61	9.146 - 4.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-156.01	-19.16	2.66
			Max. Mx	8	-101.86	-4256.99	-2.68
			Max. My	14	-101.86	-9.16	-4248.34
			Max. Vy	8	38.47	-4256.99	-2.68
			Max. Vx	14	38.23	-9.16	-4248.34
			Max. Torque	7			-4.75

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L62	4.833 - 4.583	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-156.20	-19.19	2.68
			Max. Mx	8	-102.03	-4266.61	-2.68
			Max. My	14	-102.03	-9.17	-4257.89
			Max. Vy	8	38.48	-4266.61	-2.68
			Max. Vx	14	38.25	-9.17	-4257.89
			Max. Torque	7			-4.75
L63	4.583 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-159.52	-19.36	2.75
			Max. Mx	8	-104.85	-4443.41	-2.70
			Max. My	14	-104.85	-9.27	-4434.32
			Max. Vy	20	-38.99	4425.81	3.97
			Max. Vx	14	38.78	-9.27	-4434.32
			Max. Torque	7			-4.75

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	159.52	-0.00	-0.00
	Max. H _x	20	104.86	38.97	0.01
	Max. H _z	2	104.86	0.01	38.66
	Max. M _x	2	4395.14	0.01	38.66
	Max. M _z	8	4443.41	-38.65	-0.01
	Max. Torsion	19	4.75	33.27	-19.26
	Min. Vert	17	78.65	19.08	-33.17
	Min. H _x	8	104.86	-38.65	-0.01
	Min. H _z	14	104.86	-0.01	-38.76
	Min. M _x	14	-4434.32	-0.01	-38.76
	Min. M _z	20	-4425.81	38.97	0.01
	Min. Torsion	7	-4.75	-33.14	19.18

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	87.39	0.00	0.00	-0.65	-4.51	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	104.86	-0.01	-38.66	-4395.14	-2.13	1.80
0.9 Dead+1.0 Wind 0 deg - No Ice	78.65	-0.01	-38.66	-4349.43	-0.73	1.81
1.2 Dead+1.0 Wind 30 deg - No Ice	104.86	19.15	-33.27	-3877.25	-2232.99	3.70
0.9 Dead+1.0 Wind 30 deg - No Ice	78.65	19.15	-33.27	-3836.99	-2208.54	3.71
1.2 Dead+1.0 Wind 60 deg - No Ice	104.86	33.14	-19.18	-2237.69	-3868.16	4.74
0.9 Dead+1.0 Wind 60 deg - No Ice	78.65	33.14	-19.18	-2214.39	-3826.79	4.75
1.2 Dead+1.0 Wind 90 deg - No Ice	104.86	38.65	0.01	2.70	-4443.41	4.44
0.9 Dead+1.0 Wind 90 deg - No Ice	78.65	38.65	0.01	2.82	-4396.10	4.44
1.2 Dead+1.0 Wind 120 deg - No Ice	104.86	35.72	20.69	2371.14	-4094.62	2.27
0.9 Dead+1.0 Wind 120 deg - No Ice	78.65	35.72	20.69	2346.89	-4051.10	2.27
1.2 Dead+1.0 Wind 150 deg	104.86	19.65	34.12	3901.86	-2251.55	0.54

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	78.65	19.65	34.12	3861.76	-2226.92	0.54
- No Ice						
1.2 Dead+1.0 Wind 180 deg	104.86	0.01	38.76	4434.32	-9.27	-1.80
- No Ice						
0.9 Dead+1.0 Wind 180 deg	78.65	0.01	38.76	4388.58	-7.75	-1.81
- No Ice						
1.2 Dead+1.0 Wind 210 deg	104.86	-19.08	33.17	3785.56	2168.69	-3.72
- No Ice						
0.9 Dead+1.0 Wind 210 deg	78.65	-19.08	33.17	3746.43	2147.60	-3.73
- No Ice						
1.2 Dead+1.0 Wind 240 deg	104.86	-33.27	19.26	2189.62	3775.54	-4.74
- No Ice						
0.9 Dead+1.0 Wind 240 deg	78.65	-33.27	19.26	2167.10	3737.82	-4.75
- No Ice						
1.2 Dead+1.0 Wind 270 deg	104.86	-38.97	-0.01	-3.97	4425.81	-4.46
- No Ice						
0.9 Dead+1.0 Wind 270 deg	78.65	-38.97	-0.01	-3.74	4381.46	-4.46
- No Ice						
1.2 Dead+1.0 Wind 300 deg	104.86	-35.42	-20.51	-2358.19	4058.53	-2.29
- No Ice						
0.9 Dead+1.0 Wind 300 deg	78.65	-35.42	-20.51	-2333.67	4018.08	-2.28
- No Ice						
1.2 Dead+1.0 Wind 330 deg	104.86	-19.15	-33.26	-3816.28	2189.61	-0.53
- No Ice						
0.9 Dead+1.0 Wind 330 deg	78.65	-19.15	-33.26	-3776.48	2168.27	-0.52
- No Ice						
1.2 Dead+1.0 Ice+1.0 Temp	159.52	0.00	0.00	-2.75	-19.36	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	159.52	-0.03	-10.07	-1300.88	-16.74	0.61
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	159.52	4.96	-8.66	-1124.03	-661.22	1.39
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	159.52	8.61	-4.99	-649.69	-1132.99	1.80
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	159.52	10.00	-0.00	-2.49	-1308.72	1.72
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	159.52	8.93	5.19	664.00	-1165.95	0.99
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	159.52	5.02	8.74	1124.75	-666.10	0.24
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	159.52	0.00	10.04	1294.26	-20.26	-0.66
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	159.52	-4.96	8.64	1116.30	620.85	-1.39
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	159.52	-8.64	4.99	642.05	1094.33	-1.75
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	159.52	-10.02	-0.02	-5.07	1270.03	-1.61
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	159.52	-8.91	-5.18	-669.27	1125.15	-0.96
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	159.52	-5.03	-8.73	-1128.68	627.25	-0.30
Dead+Wind 0 deg - Service	87.39	-0.00	-9.42	-1064.42	-3.82	0.45
Dead+Wind 30 deg - Service	87.39	4.67	-8.11	-939.06	-543.88	0.91
Dead+Wind 60 deg - Service	87.39	8.07	-4.67	-542.15	-939.72	1.17
Dead+Wind 90 deg - Service	87.39	9.42	0.00	0.21	-1078.98	1.09
Dead+Wind 120 deg - Service	87.39	8.70	5.04	573.58	-994.58	0.55
Dead+Wind 150 deg - Service	87.39	4.79	8.31	944.13	-548.37	0.13
Dead+Wind 180 deg - Service	87.39	0.00	9.44	1073.02	-5.55	-0.45
Dead+Wind 210 deg - Service	87.39	-4.65	8.08	915.95	521.69	-0.92
Dead+Wind 240 deg - Service	87.39	-8.11	4.69	529.62	910.68	-1.17
Dead+Wind 270 deg - Service	87.39	-9.50	-0.00	-1.40	1068.11	-1.09
Dead+Wind 300 deg -	87.39	-8.63	-5.00	-571.33	979.22	-0.56

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	87.39	-4.67	-8.10	-924.28	526.75	-0.12

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	-87.39	0.00	0.00	87.39	0.00	0.000%
2	-0.01	-104.86	-38.66	0.01	104.86	38.66	0.000%
3	-0.01	-78.65	-38.66	0.01	78.65	38.66	0.000%
4	19.15	-104.86	-33.27	-19.15	104.86	33.27	0.000%
5	19.15	-78.65	-33.27	-19.15	78.65	33.27	0.000%
6	33.14	-104.86	-19.18	-33.14	104.86	19.18	0.000%
7	33.14	-78.65	-19.18	-33.14	78.65	19.18	0.000%
8	38.65	-104.86	0.01	-38.65	104.86	-0.01	0.000%
9	38.65	-78.65	0.01	-38.65	78.65	-0.01	0.000%
10	35.72	-104.86	20.69	-35.72	104.86	-20.69	0.000%
11	35.72	-78.65	20.69	-35.72	78.65	-20.69	0.000%
12	19.65	-104.86	34.12	-19.65	104.86	-34.12	0.000%
13	19.65	-78.65	34.12	-19.65	78.65	-34.12	0.000%
14	0.01	-104.86	38.76	-0.01	104.86	-38.76	0.000%
15	0.01	-78.65	38.76	-0.01	78.65	-38.76	0.000%
16	-19.08	-104.86	33.17	19.08	104.86	-33.17	0.000%
17	-19.08	-78.65	33.17	19.08	78.65	-33.17	0.000%
18	-33.27	-104.86	19.26	33.27	104.86	-19.26	0.000%
19	-33.27	-78.65	19.26	33.27	78.65	-19.26	0.000%
20	-38.97	-104.86	-0.01	38.97	104.86	0.01	0.000%
21	-38.97	-78.65	-0.01	38.97	78.65	0.01	0.000%
22	-35.42	-104.86	-20.51	35.42	104.86	20.51	0.000%
23	-35.42	-78.65	-20.51	35.42	78.65	20.51	0.000%
24	-19.15	-104.86	-33.26	19.15	104.86	33.26	0.000%
25	-19.15	-78.65	-33.26	19.15	78.65	33.26	0.000%
26	0.00	-159.52	0.00	-0.00	159.52	-0.00	0.000%
27	-0.03	-159.52	-10.07	0.03	159.52	10.07	0.000%
28	4.96	-159.52	-8.66	-4.96	159.52	8.66	0.000%
29	8.61	-159.52	-4.99	-8.61	159.52	4.99	0.000%
30	10.00	-159.52	-0.00	-10.00	159.52	0.00	0.000%
31	8.93	-159.52	5.19	-8.93	159.52	-5.19	0.000%
32	5.02	-159.52	8.74	-5.02	159.52	-8.74	0.000%
33	0.00	-159.52	10.04	-0.00	159.52	-10.04	0.000%
34	-4.96	-159.52	8.64	4.96	159.52	-8.64	0.000%
35	-8.64	-159.52	4.99	8.64	159.52	-4.99	0.000%
36	-10.02	-159.52	-0.02	10.02	159.52	0.02	0.000%
37	-8.91	-159.52	-5.18	8.91	159.52	5.18	0.000%
38	-5.03	-159.52	-8.73	5.03	159.52	8.73	0.000%
39	-0.00	-87.39	-9.42	0.00	87.39	9.42	0.000%
40	4.67	-87.39	-8.11	-4.67	87.39	8.11	0.000%
41	8.07	-87.39	-4.67	-8.07	87.39	4.67	0.000%
42	9.42	-87.39	0.00	-9.42	87.39	-0.00	0.000%
43	8.70	-87.39	5.04	-8.70	87.39	-5.04	0.000%
44	4.79	-87.39	8.31	-4.79	87.39	-8.31	0.000%
45	0.00	-87.39	9.44	-0.00	87.39	-9.44	0.000%
46	-4.65	-87.39	8.08	4.65	87.39	-8.08	0.000%
47	-8.11	-87.39	4.69	8.11	87.39	-4.69	0.000%
48	-9.50	-87.39	-0.00	9.50	87.39	0.00	0.000%
49	-8.63	-87.39	-5.00	8.63	87.39	5.00	0.000%
50	-4.67	-87.39	-8.10	4.67	87.39	8.10	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000158
2	Yes	5	0.00000001	0.00053705
3	Yes	5	0.00000001	0.00026363
4	Yes	6	0.00000001	0.00032333
5	Yes	6	0.00000001	0.00012067
6	Yes	6	0.00000001	0.00027767
7	Yes	6	0.00000001	0.00010245
8	Yes	5	0.00000001	0.00083644
9	Yes	5	0.00000001	0.00042849
10	Yes	6	0.00000001	0.00035054
11	Yes	6	0.00000001	0.00012904
12	Yes	6	0.00000001	0.00030432
13	Yes	6	0.00000001	0.00011267
14	Yes	5	0.00000001	0.00056123
15	Yes	5	0.00000001	0.00027617
16	Yes	6	0.00000001	0.00026531
17	Yes	6	0.00000001	0.00009831
18	Yes	6	0.00000001	0.00031242
19	Yes	6	0.00000001	0.00011720
20	Yes	5	0.00000001	0.00081516
21	Yes	5	0.00000001	0.00041783
22	Yes	6	0.00000001	0.00032780
23	Yes	6	0.00000001	0.00012046
24	Yes	6	0.00000001	0.00028951
25	Yes	6	0.00000001	0.00010768
26	Yes	5	0.00000001	0.00012947
27	Yes	6	0.00000001	0.00074506
28	Yes	6	0.00000001	0.00080537
29	Yes	6	0.00000001	0.00080280
30	Yes	6	0.00000001	0.00075529
31	Yes	6	0.00000001	0.00082569
32	Yes	6	0.00000001	0.00080815
33	Yes	6	0.00000001	0.00074807
34	Yes	6	0.00000001	0.00078313
35	Yes	6	0.00000001	0.00078088
36	Yes	6	0.00000001	0.00072679
37	Yes	6	0.00000001	0.00079431
38	Yes	6	0.00000001	0.00078477
39	Yes	5	0.00000001	0.00005252
40	Yes	5	0.00000001	0.00011691
41	Yes	5	0.00000001	0.00009618
42	Yes	5	0.00000001	0.00006102
43	Yes	5	0.00000001	0.00011870
44	Yes	5	0.00000001	0.00010254
45	Yes	5	0.00000001	0.00005323
46	Yes	5	0.00000001	0.00009100
47	Yes	5	0.00000001	0.00011503
48	Yes	5	0.00000001	0.00006028
49	Yes	5	0.00000001	0.00010604
50	Yes	5	0.00000001	0.00009633

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	191.667 - 186.667	19.842	43	0.9834	0.0051
L2	186.667 - 181.567	18.812	43	0.9822	0.0048
L3	181.567 - 176.567	17.764	43	0.9807	0.0046
L4	176.567 - 171.567	16.739	43	0.9757	0.0045
L5	171.567 - 166.567	15.722	43	0.9666	0.0043

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L6	166.567 - 161.567	14.717	43	0.9528	0.0042
L7	161.567 - 156.567	13.729	43	0.9322	0.0040
L8	156.567 - 151.567	12.767	43	0.9035	0.0038
L9	151.567 - 146.567	11.841	43	0.8636	0.0034
L10	146.567 - 141.567	10.963	43	0.8114	0.0029
L11	141.567 - 141.417	10.148	43	0.7420	0.0025
L12	141.417 - 136.417	10.124	43	0.7397	0.0025
L13	136.417 - 131.417	9.363	43	0.7142	0.0023
L14	131.417 - 126.417	8.631	43	0.6833	0.0022
L15	126.417 - 121.417	7.934	43	0.6469	0.0019
L16	121.417 - 121.167	7.278	43	0.6049	0.0017
L17	121.167 - 116.167	7.246	43	0.6026	0.0016
L18	116.167 - 111.167	6.631	43	0.5725	0.0015
L19	111.167 - 110.042	6.049	43	0.5387	0.0013
L20	110.042 - 109.792	5.923	43	0.5306	0.0013
L21	109.792 - 105.083	5.895	43	0.5292	0.0013
L22	105.083 - 104.833	5.387	43	0.5011	0.0012
L23	104.833 - 100.917	5.360	43	0.4997	0.0011
L24	100.917 - 100.667	4.960	43	0.4775	0.0011
L25	100.667 - 95.833	4.935	43	0.4760	0.0011
L26	95.833 - 95.583	4.467	43	0.4465	0.0009
L27	95.583 - 90.583	4.444	43	0.4452	0.0009
L28	90.583 - 89.917	3.991	43	0.4187	0.0009
L29	89.917 - 89.667	3.933	43	0.4150	0.0008
L30	89.667 - 84.667	3.912	43	0.4139	0.0008
L31	84.667 - 80.833	3.491	43	0.3896	0.0008
L32	80.833 - 80.333	3.186	43	0.3698	0.0007
L33	80.333 - 80.083	3.147	43	0.3678	0.0007
L34	80.083 - 75.083	3.128	43	0.3667	0.0007
L35	75.083 - 70.083	2.756	43	0.3437	0.0006
L36	70.083 - 69.5	2.409	43	0.3191	0.0006
L37	69.5 - 69.25	2.370	43	0.3161	0.0006
L38	69.25 - 64.25	2.353	43	0.3150	0.0006
L39	64.25 - 60.583	2.035	43	0.2927	0.0005
L40	60.583 - 60.333	1.817	43	0.2753	0.0005
L41	60.333 - 55.333	1.802	43	0.2743	0.0005
L42	55.333 - 52.167	1.526	43	0.2535	0.0004
L43	52.167 - 51.917	1.363	43	0.2395	0.0004
L44	51.917 - 46.917	1.350	43	0.2386	0.0004
L45	46.917 - 41.917	1.110	43	0.2195	0.0003
L46	41.917 - 40.233	0.891	43	0.1992	0.0003
L47	40.233 - 39.983	0.822	43	0.1918	0.0003
L48	39.983 - 34.983	0.812	43	0.1907	0.0003
L49	34.983 - 29.983	0.624	43	0.1679	0.0003
L50	29.983 - 28	0.461	43	0.1438	0.0002
L51	28 - 27.75	0.403	43	0.1339	0.0002
L52	27.75 - 22.75	0.396	43	0.1328	0.0002
L53	22.75 - 20.083	0.268	43	0.1112	0.0002
L54	20.083 - 19.833	0.209	43	0.0991	0.0001
L55	19.833 - 17	0.204	43	0.0978	0.0001

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L56	17 - 16.75	0.151	43	0.0826	0.0001
L57	16.75 - 11.65	0.146	43	0.0815	0.0001
L58	11.65 - 11.417	0.072	43	0.0576	0.0001
L59	11.417 - 9.396	0.069	43	0.0565	0.0001
L60	9.396 - 9.146	0.047	43	0.0467	0.0001
L61	9.146 - 4.833	0.045	43	0.0455	0.0001
L62	4.833 - 4.583	0.013	43	0.0252	0.0000
L63	4.583 - 0	0.012	43	0.0239	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
192.00	OGB4-900D	43	19.842	0.9834	0.0051	210880
191.67	Lightning Rod 5/8" x 4' on 4' Pole	43	19.842	0.9834	0.0051	210880
191.00	DB589-A	43	19.704	0.9832	0.0051	210880
184.00	AIR -32 B2A/B66AA w/ Mount Pipe	43	18.264	0.9816	0.0047	139220
178.00	4' ICE SHIELDS	43	17.032	0.9776	0.0045	49471
168.00	MX08FRO665-21 w/ Mount Pipe	43	15.003	0.9574	0.0042	18719
160.00	BSF0020F3V1	43	13.424	0.9242	0.0040	10500
158.00	SRL-224NM-4	43	13.040	0.9128	0.0039	9155
151.00	RRUS 32 B30	43	11.739	0.8584	0.0033	6075
150.00	DC6-48-60-18-8F	43	11.560	0.8488	0.0032	5739
138.00	4' ICE SHIELDS	43	9.601	0.7170	0.0023	9785
132.00	SRL-235-2	43	8.714	0.6878	0.0022	8698
124.00	PCS 1900 TMA RX	43	7.611	0.6275	0.0018	7105
98.00	4' ICE SHIELDS	43	4.673	0.4592	0.0010	9677
90.00	KP2F-34	43	3.941	0.4155	0.0008	11220
70.00	SRL-235-2	43	2.403	0.3186	0.0006	12033
33.00	DB909XVTE-M	43	0.556	0.1587	0.0002	11947

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	191.667 - 186.667	81.819	10	4.0568	0.0212
L2	186.667 - 181.567	77.578	10	4.0530	0.0198
L3	181.567 - 176.567	73.257	10	4.0474	0.0191
L4	176.567 - 171.567	69.034	10	4.0274	0.0184
L5	171.567 - 166.567	64.841	10	3.9901	0.0178
L6	166.567 - 161.567	60.696	10	3.9332	0.0172
L7	161.567 - 156.567	56.625	10	3.8479	0.0166
L8	156.567 - 151.567	52.659	10	3.7292	0.0156
L9	151.567 - 146.567	48.840	10	3.5650	0.0138
L10	146.567 - 141.567	45.218	10	3.3489	0.0120
L11	141.567 - 141.417	41.858	10	3.0624	0.0102
L12	141.417 -	41.762	10	3.0527	0.0102

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L13	136.417 - 131.417	38.621	10	2.9471	0.0096
L14	131.417 - 126.417	35.602	10	2.8197	0.0090
L15	126.417 - 121.417	32.728	10	2.6696	0.0079
L16	121.417 - 121.167	30.023	10	2.4963	0.0068
L17	121.167 - 116.167	29.892	10	2.4870	0.0068
L18	116.167 - 111.167	27.353	10	2.3628	0.0061
L19	111.167 - 110.042	24.952	10	2.2234	0.0054
L20	110.042 - 109.792	24.432	10	2.1899	0.0053
L21	109.792 - 105.083	24.318	10	2.1840	0.0052
L22	105.083 - 104.833	22.221	10	2.0681	0.0047
L23	104.833 - 100.917	22.113	10	2.0625	0.0047
L24	100.917 - 100.667	20.459	10	1.9707	0.0043
L25	100.667 - 95.833	20.356	10	1.9647	0.0043
L26	95.833 - 95.583	18.428	10	1.8429	0.0039
L27	95.583 - 90.583	18.332	10	1.8376	0.0039
L28	90.583 - 89.917	16.465	10	1.7282	0.0035
L29	89.917 - 89.667	16.225	10	1.7130	0.0035
L30	89.667 - 84.667	16.135	10	1.7082	0.0034
L31	84.667 - 80.833	14.399	10	1.6081	0.0031
L32	80.833 - 80.333	13.140	10	1.5260	0.0029
L33	80.333 - 80.083	12.981	10	1.5179	0.0028
L34	80.083 - 75.083	12.901	10	1.5133	0.0028
L35	75.083 - 70.083	11.366	10	1.4184	0.0026
L36	70.083 - 69.5	9.934	10	1.3164	0.0023
L37	69.5 - 69.25	9.774	10	1.3041	0.0023
L38	69.25 - 64.25	9.706	10	1.2997	0.0023
L39	64.25 - 60.583	8.393	10	1.2075	0.0020
L40	60.583 - 60.333	7.493	10	1.1358	0.0019
L41	60.333 - 55.333	7.433	10	1.1317	0.0019
L42	55.333 - 52.167	6.293	10	1.0455	0.0017
L43	52.167 - 51.917	5.619	10	0.9881	0.0016
L44	51.917 - 46.917	5.567	10	0.9843	0.0016
L45	46.917 - 41.917	4.577	10	0.9054	0.0014
L46	41.917 - 40.233	3.673	10	0.8217	0.0013
L47	40.233 - 39.983	3.388	10	0.7912	0.0012
L48	39.983 - 34.983	3.347	10	0.7867	0.0012
L49	34.983 - 29.983	2.572	10	0.6925	0.0011
L50	29.983 - 28	1.899	10	0.5930	0.0009
L51	28 - 27.75	1.661	10	0.5521	0.0008
L52	27.75 - 22.75	1.632	10	0.5477	0.0008
L53	22.75 - 20.083	1.105	10	0.4583	0.0007
L54	20.083 - 19.833	0.863	10	0.4088	0.0006
L55	19.833 - 17	0.841	10	0.4033	0.0006
L56	17 - 16.75	0.621	10	0.3407	0.0005
L57	16.75 - 11.65	0.603	10	0.3359	0.0005
L58	11.65 - 11.417	0.296	10	0.2374	0.0003
L59	11.417 - 9.396	0.285	10	0.2328	0.0003
L60	9.396 - 9.146	0.195	10	0.1924	0.0003
L61	9.146 - 4.833	0.185	10	0.1876	0.0003
L62	4.833 - 4.583	0.053	10	0.1040	0.0001
L63	4.583 - 0	0.048	10	0.0987	0.0001

Critical Deflections and Radius of Curvature - Design Wind

Elevation <i>ft</i>	Appurtenance	Gov. Load Comb.	Deflection <i>in</i>	Tilt °	Twist °	Radius of Curvature <i>ft</i>
192.00	OGB4-900D	10	81.819	4.0568	0.0212	65178
191.67	Lightning Rod 5/8" x 4' on 4' Pole	10	81.819	4.0568	0.0212	65178
191.00	DB589-A	10	81.253	4.0562	0.0210	65178
184.00	AIR -32 B2A/B66AA w/ Mount Pipe	10	75.318	4.0511	0.0193	38460
178.00	4' ICE SHIELDS	10	70.242	4.0349	0.0186	12326
168.00	MX08FRO665-21 w/ Mount Pipe	10	61.878	3.9521	0.0173	4579
160.00	BSF0020F3V1	10	55.369	3.8149	0.0164	2566
158.00	SRL-224NM-4	10	53.782	3.7674	0.0160	2243
151.00	RRUS 32 B30	10	48.418	3.5433	0.0136	1484
150.00	DC6-48-60-18-8F	10	47.681	3.5035	0.0133	1401
138.00	4' ICE SHIELDS	10	39.603	2.9589	0.0097	2380
132.00	SRL-235-2	10	35.947	2.8379	0.0091	2119
124.00	PCS 1900 TMA RX	10	31.398	2.5895	0.0074	1731
98.00	4' ICE SHIELDS	10	19.277	1.8954	0.0041	2350
90.00	KP2F-34	10	16.254	1.7147	0.0035	2723
70.00	SRL-235-2	10	9.911	1.3146	0.0023	2916
33.00	DB909XVTE-M	10	2.293	0.6544	0.0010	2896

Compression Checks

Pole Design Data

Section No.	Elevation <i>ft</i>	Size	L <i>ft</i>	L _u <i>ft</i>	Kl/r	A <i>in</i> ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	191.667 - 186.667 (1)	P18x0.375	5.00	0.00	0.0	20.764 0	-0.67	784.88	0.001
L2	186.667 - 181.567 (2)	P24x0.375	5.10	0.00	0.0	27.832 5	-5.76	1052.07	0.005
L3	181.567 - 176.567 (3)	P24x0.375	5.00	0.00	0.0	27.832 5	-6.39	1052.07	0.006
L4	176.567 - 171.567 (4)	P24x0.375	5.00	0.00	0.0	27.832 5	-6.99	1052.07	0.007
L5	171.567 - 166.567 (5)	P24x0.375	5.00	0.00	0.0	27.832 5	-10.38	1052.07	0.010
L6	166.567 - 161.567 (6)	P24x0.375	5.00	0.00	0.0	27.832 5	-11.00	1052.07	0.010
L7	161.567 - 156.567 (7)	P24x0.375	5.00	0.00	0.0	27.832 5	-15.75	1052.07	0.015
L8	156.567 - 151.567 (8)	P24x0.375	5.00	0.00	0.0	27.832 5	-16.39	1052.07	0.016
L9	151.567 - 146.567 (9)	P24x0.375	5.00	0.00	0.0	27.832 5	-22.42	1052.07	0.021
L10	146.567 - 141.567 (10)	P24x0.375	5.00	0.00	0.0	27.832 5	-23.23	1052.07	0.022
L11	141.567 - 141.417 (11)	P24x0.375	0.15	0.00	0.0	27.832 5	-23.26	1052.07	0.022
L12	141.417 - 136.417 (12)	P36x0.375	5.00	0.00	0.0	41.969 7	-24.34	1490.10	0.016
L13	136.417 - 131.417 (13)	P36x0.375	5.00	0.00	0.0	41.969 7	-25.89	1490.10	0.017
L14	131.417 - 126.417 (14)	P36x0.375	5.00	0.00	0.0	41.969 7	-27.00	1490.10	0.018
L15	126.417 - 121.417 (15)	P36x0.375	5.00	0.00	0.0	41.969 7	-29.19	1490.10	0.020
L16	121.417 - 121.167 (16)	P36x0.375	0.25	0.00	0.0	41.969 7	-29.26	1490.10	0.020
L17	121.167 -	P42x0.375	5.00	0.00	0.0	49.038	-30.65	1668.87	0.018

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
L18	116.167 (17) 116.167 - 111.167 (18)	P42x0.375	5.00	0.00	0.0	3 49.038	-31.87	1668.87	0.019
L19	111.167 - 110.042 (19)	P42x0.375	1.13	0.00	0.0	3 49.038	-32.14	1668.87	0.019
L20	110.042 - 109.792 (20)	P42x0.4875	0.25	0.00	0.0	3 63.577	-32.22	2332.13	0.014
L21	109.792 - 105.083 (21)	P42x0.4875	4.71	0.00	0.0	5 63.577	-33.72	2332.13	0.014
L22	105.083 - 104.833 (22)	P42x0.5625	0.25	0.00	0.0	5 73.226	-33.82	2767.95	0.012
L23	104.833 - 100.917 (23)	P42x0.5625	3.92	0.00	0.0	1 73.226	-36.12	2767.95	0.013
L24	100.917 - 100.667 (24)	P48x0.375	0.25	0.00	0.0	1 56.106	-36.22	1847.49	0.020
L25	100.667 - 95.833 (25)	P48x0.375	4.83	0.00	0.0	9 56.106	-37.91	1847.49	0.021
L26	95.833 - 95.583 (26)	P48x0.475	0.25	0.00	0.0	9 70.919	-38.00	2481.39	0.015
L27	95.583 - 90.583 (27)	P48x0.475	5.00	0.00	0.0	5 70.919	-39.63	2481.39	0.016
L28	90.583 - 89.917 (28)	P48x0.475	0.67	0.00	0.0	5 70.919	-40.02	2481.39	0.016
L29	89.917 - 89.667 (29)	P48x0.575	0.25	0.00	0.0	5 85.669	-40.13	3174.02	0.013
L30	89.667 - 84.667 (30)	P48x0.575	5.00	0.00	0.0	3 85.669	-42.80	3174.02	0.013
L31	84.667 - 80.833 (31)	P48x0.575	3.83	0.00	0.0	3 85.669	-45.85	3174.02	0.014
L32	80.833 - 80.333 (32)	P54x0.55	0.50	0.00	0.0	3 92.355	-46.22	3257.83	0.014
L33	80.333 - 80.083 (33)	P54x0.4875	0.25	0.00	0.0	0 81.955	-46.35	2797.17	0.017
L34	80.083 - 75.083 (34)	P54x0.4875	5.00	0.00	0.0	8 81.955	-48.67	2797.17	0.017
L35	75.083 - 70.083 (35)	P54x0.4875	5.00	0.00	0.0	8 81.955	-51.41	2797.17	0.018
L36	70.083 - 69.5 (36)	P54x0.4875	0.58	0.00	0.0	8 81.955	-52.06	2797.17	0.019
L37	69.5 - 69.25 (37)	P54x0.5875	0.25	0.00	0.0	8 98.582	-52.24	3545.23	0.015
L38	69.25 - 64.25 (38)	P54x0.5875	5.00	0.00	0.0	7 98.582	-58.43	3545.23	0.016
L39	64.25 - 60.583 (39)	P54x0.5875	3.67	0.00	0.0	7 98.582	-63.49	3545.23	0.018
L40	60.583 - 60.333 (40)	P60x0.5125	0.25	0.00	0.0	7 95.778	-63.68	3222.89	0.020
L41	60.333 - 55.333 (41)	P60x0.5125	5.00	0.00	0.0	8 95.778	-67.31	3222.89	0.021
L42	55.333 - 52.167 (42)	P60x0.5125	3.17	0.00	0.0	8 95.778	-68.70	3222.89	0.021
L43	52.167 - 51.917 (43)	P60x0.625	0.25	0.00	0.0	8 116.58	-68.83	4139.15	0.017
L44	51.917 - 46.917 (44)	P60x0.625	5.00	0.00	0.0	30 116.58	-71.77	4139.15	0.017
L45	46.917 - 41.917 (45)	P60x0.625	5.00	0.00	0.0	30 116.58	-75.57	4139.15	0.018
L46	41.917 - 40.233 (46)	P60x0.6	1.68	0.00	0.0	30 111.96	-76.79	3929.11	0.020
L47	40.233 - 39.983 (47)	P60x0.6	0.25	0.00	0.0	60 111.96	-76.98	3929.11	0.020
L48	39.983 - 34.983 (48)	P60x0.6	5.00	0.00	0.0	60 111.96	-80.48	3929.11	0.020
L49	34.983 - 29.983 (49)	P60x0.6	5.00	0.00	0.0	60 111.96	-83.64	3929.11	0.021
L50	29.983 - 28 (50)	P60x0.6	1.98	0.00	0.0	60 111.96	-84.64	3929.11	0.022
L51	28 - 27.75 (51)	P60x0.725	0.25	0.00	0.0	60 135.00	-84.80	5015.91	0.017

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
L52	27.75 - 22.75 (52)	P60x0.725	5.00	0.00	0.0	135.00 80	-88.75	5015.91	0.018
L53	22.75 - 20.083 (53)	P60x0.725	2.67	0.00	0.0	135.00 80	-90.88	5015.91	0.018
L54	20.083 - 19.833 (54)	P60x0.625	0.25	0.00	0.0	116.58 30	-91.07	4139.15	0.022
L55	19.833 - 17 (55)	P60x0.625	2.83	0.00	0.0	116.58 30	-93.12	4139.15	0.022
L56	17 - 16.75 (56)	P60x0.725	0.25	0.00	0.0	135.00 80	-93.34	5015.91	0.019
L57	16.75 - 11.65 (57)	P60x0.75	5.10	0.00	0.0	139.60 50	-97.39	5244.23	0.019
L58	11.65 - 11.417 (58)	P60x0.75	0.23	0.00	0.0	139.60 50	-97.55	5244.23	0.019
L59	11.417 - 9.396 (59)	P60x0.75	2.02	0.00	0.0	139.60 50	-98.83	5244.23	0.019
L60	9.396 - 9.146 (60)	P60x0.8	0.25	0.00	0.0	148.78 60	-99.00	5624.10	0.018
L61	9.146 - 4.833 (61)	P60x0.8	4.31	0.00	0.0	148.78 60	-101.85	5624.10	0.018
L62	4.833 - 4.583 (62)	P60x0.75	0.25	0.00	0.0	139.60 50	-102.02	5244.23	0.019
L63	4.583 - 0 (63)	P60x0.75	4.58	0.00	0.0	139.60 50	-104.85	5244.23	0.020

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{nx} kip-ft	Ratio M _{ux} / φM _{nx}	M _{uy} kip-ft	φM _{ny} kip-ft	Ratio M _{uy} / φM _{ny}
L1	191.667 - 186.667 (1)	P18x0.375	3.72	367.00	0.010	0.00	367.00	0.000
L2	186.667 - 181.567 (2)	P24x0.375	16.15	623.72	0.026	0.00	623.72	0.000
L3	181.567 - 176.567 (3)	P24x0.375	38.91	623.72	0.062	0.00	623.72	0.000
L4	176.567 - 171.567 (4)	P24x0.375	63.32	623.72	0.102	0.00	623.72	0.000
L5	171.567 - 166.567 (5)	P24x0.375	96.67	623.72	0.155	0.00	623.72	0.000
L6	166.567 - 161.567 (6)	P24x0.375	136.78	623.72	0.219	0.00	623.72	0.000
L7	161.567 - 156.567 (7)	P24x0.375	192.53	623.72	0.309	0.00	623.72	0.000
L8	156.567 - 151.567 (8)	P24x0.375	256.78	623.72	0.412	0.00	623.72	0.000
L9	151.567 - 146.567 (9)	P24x0.375	342.15	623.72	0.549	0.00	623.72	0.000
L10	146.567 - 141.567 (10)	P24x0.375	440.76	623.72	0.707	0.00	623.72	0.000
L11	141.567 - 141.417 (11)	P24x0.375	443.76	623.72	0.711	0.00	623.72	0.000
L12	141.417 - 136.417 (12)	P36x0.375	544.79	1338.81	0.407	0.00	1338.81	0.000
L13	136.417 - 131.417 (13)	P36x0.375	649.35	1338.81	0.485	0.00	1338.81	0.000
L14	131.417 - 126.417 (14)	P36x0.375	756.63	1338.81	0.565	0.00	1338.81	0.000
L15	126.417 - 121.417 (15)	P36x0.375	866.27	1338.81	0.647	0.00	1338.81	0.000
L16	121.417 - 121.167 (16)	P36x0.375	871.82	1338.81	0.651	0.00	1338.81	0.000
L17	121.167 - 116.167 (17)	P42x0.375	983.98	1796.56	0.548	0.00	1796.56	0.000
L18	116.167 -	P42x0.375	1098.11	1796.56	0.611	0.00	1796.56	0.000

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 $\frac{M_{uy}}{\phi M_{ny}}$
L19	111.167 (18) 111.167 - 110.042 (19)	P42x0.375	1124.10	1796.56	0.626	0.00	1796.56	0.000
L20	110.042 - 109.792 (20)	P42x0.4875	1129.90	2395.43	0.472	0.00	2395.43	0.000
L21	109.792 - 105.083 (21)	P42x0.4875	1240.98	2395.43	0.518	0.00	2395.43	0.000
L22	105.083 - 104.833 (22)	P42x0.5625	1246.97	2809.31	0.444	0.00	2809.31	0.000
L23	104.833 - 100.917 (23)	P42x0.5625	1342.57	2809.31	0.478	0.00	2809.31	0.000
L24	100.917 - 100.667 (24)	P48x0.375	1348.78	2321.11	0.581	0.00	2321.11	0.000
L25	100.667 - 95.833 (25)	P48x0.375	1470.17	2321.11	0.633	0.00	2321.11	0.000
L26	95.833 - 95.583 (26)	P48x0.475	1476.52	2999.96	0.492	0.00	2999.96	0.000
L27	95.583 - 90.583 (27)	P48x0.475	1604.47	2999.96	0.535	0.00	2999.96	0.000
L28	90.583 - 89.917 (28)	P48x0.475	1621.84	2999.96	0.541	0.00	2999.96	0.000
L29	89.917 - 89.667 (29)	P48x0.575	1628.38	3702.97	0.440	0.00	3702.97	0.000
L30	89.667 - 84.667 (30)	P48x0.575	1761.32	3702.97	0.476	0.00	3702.97	0.000
L31	84.667 - 80.833 (31)	P48x0.575	1866.37	3702.97	0.504	0.00	3702.97	0.000
L32	80.833 - 80.333 (32)	P54x0.55	1880.30	4408.41	0.427	0.00	4408.41	0.000
L33	80.333 - 80.083 (33)	P54x0.4875	1887.30	3864.47	0.488	0.00	3864.47	0.000
L34	80.083 - 75.083 (34)	P54x0.4875	2029.48	3864.47	0.525	0.00	3864.47	0.000
L35	75.083 - 70.083 (35)	P54x0.4875	2176.21	3864.47	0.563	0.00	3864.47	0.000
L36	70.083 - 69.5 (36)	P54x0.4875	2193.37	3864.47	0.568	0.00	3864.47	0.000
L37	69.5 - 69.25 (37)	P54x0.5875	2200.96	4739.87	0.464	0.00	4739.87	0.000
L38	69.25 - 64.25 (38)	P54x0.5875	2356.47	4739.87	0.497	0.00	4739.87	0.000
L39	64.25 - 60.583 (39)	P54x0.5875	2474.67	4739.87	0.522	0.00	4739.87	0.000
L40	60.583 - 60.333 (40)	P60x0.5125	2482.83	4992.04	0.497	0.00	4992.04	0.000
L41	60.333 - 55.333 (41)	P60x0.5125	2648.64	4992.04	0.531	0.00	4992.04	0.000
L42	55.333 - 52.167 (42)	P60x0.5125	2755.38	4992.04	0.552	0.00	4992.04	0.000
L43	52.167 - 51.917 (43)	P60x0.625	2763.84	6198.18	0.446	0.00	6198.18	0.000
L44	51.917 - 46.917 (44)	P60x0.625	2935.21	6198.18	0.474	0.00	6198.18	0.000
L45	46.917 - 41.917 (45)	P60x0.625	3110.73	6198.18	0.502	0.00	6198.18	0.000
L46	41.917 - 40.233 (46)	P60x0.6	3170.82	5926.84	0.535	0.00	5926.84	0.000
L47	40.233 - 39.983 (47)	P60x0.6	3179.78	5926.84	0.537	0.00	5926.84	0.000
L48	39.983 - 34.983 (48)	P60x0.6	3360.96	5926.84	0.567	0.00	5926.84	0.000
L49	34.983 - 29.983 (49)	P60x0.6	3547.03	5926.84	0.598	0.00	5926.84	0.000
L50	29.983 - 28 (50)	P60x0.6	3621.70	5926.84	0.611	0.00	5926.84	0.000
L51	28 - 27.75 (51)	P60x0.725	3631.15	7302.23	0.497	0.00	7302.23	0.000
L52	27.75 - 22.75 (52)	P60x0.725	3822.09	7302.23	0.523	0.00	7302.23	0.000

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 $\frac{M_{uy}}{\phi M_{ny}}$
L53	22.75 - 20.083 (53)	P60x0.725	3925.39	7302.23	0.538	0.00	7302.23	0.000
L54	20.083 - 19.833 (54)	P60x0.625	3935.13	6198.18	0.635	0.00	6198.18	0.000
L55	19.833 - 17 (55)	P60x0.625	4046.00	6198.18	0.653	0.00	6198.18	0.000
L56	17 - 16.75 (56)	P60x0.725	4055.83	7302.23	0.555	0.00	7302.23	0.000
L57	16.75 - 11.65 (57)	P60x0.75	4258.18	7582.87	0.562	0.00	7582.87	0.000
L58	11.65 - 11.417 (58)	P60x0.75	4267.50	7582.87	0.563	0.00	7582.87	0.000
L59	11.417 - 9.396 (59)	P60x0.75	4348.57	7582.87	0.573	0.00	7582.87	0.000
L60	9.396 - 9.146 (60)	P60x0.8	4358.63	8149.65	0.535	0.00	8149.65	0.000
L61	9.146 - 4.833 (61)	P60x0.8	4533.37	8149.65	0.556	0.00	8149.65	0.000
L62	4.833 - 4.583 (62)	P60x0.75	4543.56	7582.87	0.599	0.00	7582.87	0.000
L63	4.583 - 0 (63)	P60x0.75	4731.62	7582.87	0.624	0.00	7582.87	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	191.667 - 186.667 (1)	P18x0.375	0.63	235.46	0.003	0.12	364.87	0.000
L2	186.667 - 181.567 (2)	P24x0.375	4.40	315.62	0.014	0.12	655.57	0.000
L3	181.567 - 176.567 (3)	P24x0.375	4.74	315.62	0.015	0.13	655.57	0.000
L4	176.567 - 171.567 (4)	P24x0.375	5.02	315.62	0.016	0.13	655.57	0.000
L5	171.567 - 166.567 (5)	P24x0.375	7.89	315.62	0.025	0.23	655.57	0.000
L6	166.567 - 161.567 (6)	P24x0.375	8.16	315.62	0.026	0.23	655.57	0.000
L7	161.567 - 156.567 (7)	P24x0.375	12.53	315.62	0.040	0.17	655.57	0.000
L8	156.567 - 151.567 (8)	P24x0.375	13.20	315.62	0.042	0.98	655.57	0.001
L9	151.567 - 146.567 (9)	P24x0.375	19.46	315.62	0.062	0.82	655.57	0.001
L10	146.567 - 141.567 (10)	P24x0.375	19.99	315.62	0.063	0.67	655.57	0.001
L11	141.567 - 141.417 (11)	P24x0.375	20.00	315.62	0.063	0.64	655.57	0.001
L12	141.417 - 136.417 (12)	P36x0.375	20.43	454.19	0.045	0.60	1094.28	0.001
L13	136.417 - 131.417 (13)	P36x0.375	21.27	454.19	0.047	0.60	1094.28	0.001
L14	131.417 - 126.417 (14)	P36x0.375	21.64	454.19	0.048	0.60	1094.28	0.001
L15	126.417 - 121.417 (15)	P36x0.375	22.20	454.19	0.049	0.54	1094.28	0.000
L16	121.417 - 121.167 (16)	P36x0.375	22.22	454.19	0.049	0.54	1094.28	0.000
L17	121.167 - 116.167 (17)	P42x0.375	22.63	421.13	0.054	0.54	1185.51	0.000
L18	116.167 - 111.167 (18)	P42x0.375	23.02	421.13	0.055	0.54	1185.51	0.000
L19	111.167 - 110.042 (19)	P42x0.375	23.18	421.13	0.055	0.54	1185.51	0.000

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 $\frac{T_u}{\phi T_n}$
L20	110.042 - 109.792 (20)	P42x0.4875	23.22	720.97	0.032	0.54	2272.02	0.000
L21	109.792 - 105.083 (21)	P42x0.4875	23.95	720.97	0.033	0.54	2272.02	0.000
L22	105.083 - 104.833 (22)	P42x0.5625	23.99	830.38	0.029	0.54	3025.18	0.000
L23	104.833 - 100.917 (23)	P42x0.5625	24.82	830.38	0.030	0.54	3025.18	0.000
L24	100.917 - 100.667 (24)	P48x0.375	24.86	394.37	0.063	0.54	1270.22	0.000
L25	100.667 - 95.833 (25)	P48x0.375	25.37	394.37	0.064	0.54	1270.22	0.000
L26	95.833 - 95.583 (26)	P48x0.475	25.38	710.64	0.036	0.54	2284.06	0.000
L27	95.583 - 90.583 (27)	P48x0.475	25.79	710.64	0.036	0.54	2284.06	0.000
L28	90.583 - 89.917 (28)	P48x0.475	26.14	710.64	0.037	1.13	2284.06	0.000
L29	89.917 - 89.667 (29)	P48x0.575	26.18	971.49	0.027	1.13	3667.03	0.000
L30	89.667 - 84.667 (30)	P48x0.575	27.03	971.49	0.028	1.13	3667.03	0.000
L31	84.667 - 80.833 (31)	P48x0.575	27.88	971.49	0.029	1.07	3667.03	0.000
L32	80.833 - 80.333 (32)	P54x0.55	27.96	966.32	0.029	1.04	3493.03	0.000
L33	80.333 - 80.083 (33)	P54x0.4875	28.01	729.66	0.038	1.04	2639.00	0.000
L34	80.083 - 75.083 (34)	P54x0.4875	28.88	729.66	0.040	1.04	2639.00	0.000
L35	75.083 - 70.083 (35)	P54x0.4875	29.76	729.66	0.041	1.04	2639.00	0.000
L36	70.083 - 69.5 (36)	P54x0.4875	30.29	729.66	0.042	2.42	2639.00	0.001
L37	69.5 - 69.25 (37)	P54x0.5875	30.34	1117.93	0.027	2.42	4113.45	0.001
L38	69.25 - 64.25 (38)	P54x0.5875	31.63	1117.93	0.028	2.35	4113.45	0.001
L39	64.25 - 60.583 (39)	P54x0.5875	32.60	1117.93	0.029	2.29	4113.45	0.001
L40	60.583 - 60.333 (40)	P60x0.5125	32.64	838.76	0.039	2.27	3372.33	0.001
L41	60.333 - 55.333 (41)	P60x0.5125	33.59	838.76	0.040	2.27	3372.33	0.001
L42	55.333 - 52.167 (42)	P60x0.5125	33.83	838.76	0.040	2.27	3372.33	0.001
L43	52.167 - 51.917 (43)	P60x0.625	33.84	1308.39	0.026	2.27	5250.55	0.000
L44	51.917 - 46.917 (44)	P60x0.625	34.69	1308.39	0.027	2.27	5250.55	0.000
L45	46.917 - 41.917 (45)	P60x0.625	35.58	1308.39	0.027	2.27	5250.55	0.000
L46	41.917 - 40.233 (46)	P60x0.6	35.86	1194.07	0.030	2.27	4793.81	0.000
L47	40.233 - 39.983 (47)	P60x0.6	35.89	1194.07	0.030	2.27	4793.81	0.000
L48	39.983 - 34.983 (48)	P60x0.6	36.67	1194.07	0.031	2.27	4793.81	0.000
L49	34.983 - 29.983 (49)	P60x0.6	37.53	1194.07	0.031	2.27	4793.81	0.000
L50	29.983 - 28 (50)	P60x0.6	37.80	1194.07	0.032	2.27	4793.81	0.000
L51	28 - 27.75 (51)	P60x0.725	37.80	1530.99	0.025	2.27	7317.32	0.000
L52	27.75 - 22.75 (52)	P60x0.725	38.53	1530.99	0.025	2.27	7317.32	0.000
L53	22.75 - 20.083 (53)	P60x0.725	38.91	1530.99	0.025	2.27	7317.32	0.000
L54	20.083 -	P60x0.625	38.92	1308.39	0.030	2.27	5250.55	0.000

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 $\frac{T_u}{\phi T_n}$
L55	19.833 (54) 19.833 - 17 (55)	P60x0.625	39.32	1308.39	0.030	2.27	5250.55	0.000
L56	17 - 16.75 (56)	P60x0.725	39.33	1530.99	0.026	2.27	7317.32	0.000
L57	16.75 - 11.65 (57)	P60x0.75	39.99	1583.12	0.025	2.27	7957.82	0.000
L58	11.65 - 11.417 (58)	P60x0.75	39.98	1583.12	0.025	2.27	7957.82	0.000
L59	11.417 - 9.396 (59)	P60x0.75	40.23	1583.12	0.025	2.27	7957.82	0.000
L60	9.396 - 9.146 (60)	P60x0.8	40.25	1687.23	0.024	2.27	8781.67	0.000
L61	9.146 - 4.833 (61)	P60x0.8	40.77	1687.23	0.024	2.27	8781.67	0.000
L62	4.833 - 4.583 (62)	P60x0.75	40.78	1583.12	0.026	2.27	7957.82	0.000
L63	4.583 - 0 (63)	P60x0.75	41.30	1583.12	0.026	2.27	7957.82	0.000

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	191.667 - 186.667 (1)	0.001	0.010	0.000	0.003	0.000	0.011	1.050	4.8.2
L2	186.667 - 181.567 (2)	0.005	0.026	0.000	0.014	0.000	0.032	1.050	4.8.2
L3	181.567 - 176.567 (3)	0.006	0.062	0.000	0.015	0.000	0.069	1.050	4.8.2
L4	176.567 - 171.567 (4)	0.007	0.102	0.000	0.016	0.000	0.108	1.050	4.8.2
L5	171.567 - 166.567 (5)	0.010	0.155	0.000	0.025	0.000	0.165	1.050	4.8.2
L6	166.567 - 161.567 (6)	0.010	0.219	0.000	0.026	0.000	0.230	1.050	4.8.2
L7	161.567 - 156.567 (7)	0.015	0.309	0.000	0.040	0.000	0.325	1.050	4.8.2
L8	156.567 - 151.567 (8)	0.016	0.412	0.000	0.042	0.001	0.429	1.050	4.8.2
L9	151.567 - 146.567 (9)	0.021	0.549	0.000	0.062	0.001	0.574	1.050	4.8.2
L10	146.567 - 141.567 (10)	0.022	0.707	0.000	0.063	0.001	0.733	1.050	4.8.2
L11	141.567 - 141.417 (11)	0.022	0.711	0.000	0.063	0.001	0.738	1.050	4.8.2
L12	141.417 - 136.417 (12)	0.016	0.407	0.000	0.045	0.001	0.425	1.050	4.8.2
L13	136.417 - 131.417 (13)	0.017	0.485	0.000	0.047	0.001	0.505	1.050	4.8.2
L14	131.417 - 126.417 (14)	0.018	0.565	0.000	0.048	0.001	0.586	1.050	4.8.2
L15	126.417 - 121.417 (15)	0.020	0.647	0.000	0.049	0.000	0.669	1.050	4.8.2
L16	121.417 - 121.167 (16)	0.020	0.651	0.000	0.049	0.000	0.673	1.050	4.8.2
L17	121.167 - 116.167 (17)	0.018	0.548	0.000	0.054	0.000	0.569	1.050	4.8.2
L18	116.167 - 111.167 (18)	0.019	0.611	0.000	0.055	0.000	0.633	1.050	4.8.2
L19	111.167 - 110.042 (19)	0.019	0.626	0.000	0.055	0.000	0.648	1.050	4.8.2
L20	110.042 -	0.014	0.472	0.000	0.032	0.000	0.487	1.050	4.8.2

Section No.	Elevation ft	Ratio	Ratio	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		P_u ϕP_n	M_{ux} ϕM_{nx}	M_{uy} ϕM_{ny}	V_u ϕV_n	T_u ϕT_n			
L21	109.792 (20) 109.792 - 105.083 (21)	0.014	0.518	0.000	0.033	0.000	0.534	1.050	4.8.2
L22	105.083 (21) 104.833 (22)	0.012	0.444	0.000	0.029	0.000	0.457	1.050	4.8.2
L23	104.833 (22) 100.917 (23)	0.013	0.478	0.000	0.030	0.000	0.492	1.050	4.8.2
L24	100.917 (23) 100.667 (24)	0.020	0.581	0.000	0.063	0.000	0.605	1.050	4.8.2
L25	100.667 (24) 95.833 (25)	0.021	0.633	0.000	0.064	0.000	0.658	1.050	4.8.2
L26	95.833 (25) 95.583 (26)	0.015	0.492	0.000	0.036	0.000	0.509	1.050	4.8.2
L27	95.583 (26) 90.583 (27)	0.016	0.535	0.000	0.036	0.000	0.552	1.050	4.8.2
L28	90.583 (27) 89.917 (28)	0.016	0.541	0.000	0.037	0.000	0.558	1.050	4.8.2
L29	89.917 (28) 89.667 (29)	0.013	0.440	0.000	0.027	0.000	0.453	1.050	4.8.2
L30	89.667 (29) 84.667 (30)	0.013	0.476	0.000	0.028	0.000	0.490	1.050	4.8.2
L31	84.667 (30) 80.833 (31)	0.014	0.504	0.000	0.029	0.000	0.519	1.050	4.8.2
L32	80.833 (31) 80.333 (32)	0.014	0.427	0.000	0.029	0.000	0.442	1.050	4.8.2
L33	80.333 (32) 80.083 (33)	0.017	0.488	0.000	0.038	0.000	0.506	1.050	4.8.2
L34	80.083 (33) 75.083 (34)	0.017	0.525	0.000	0.040	0.000	0.544	1.050	4.8.2
L35	75.083 (34) 70.083 (35)	0.018	0.563	0.000	0.041	0.000	0.583	1.050	4.8.2
L36	70.083 (35) 69.5 (36)	0.019	0.568	0.000	0.042	0.001	0.588	1.050	4.8.2
L37	69.5 (36) 69.25 (37)	0.015	0.464	0.000	0.027	0.001	0.480	1.050	4.8.2
L38	69.25 (37) 64.25 (38)	0.016	0.497	0.000	0.028	0.001	0.514	1.050	4.8.2
L39	64.25 (38) 60.583 (39)	0.018	0.522	0.000	0.029	0.001	0.541	1.050	4.8.2
L40	60.583 (39) 60.333 (40)	0.020	0.497	0.000	0.039	0.001	0.519	1.050	4.8.2
L41	60.333 (40) 55.333 (41)	0.021	0.531	0.000	0.040	0.001	0.553	1.050	4.8.2
L42	55.333 (41) 52.167 (42)	0.021	0.552	0.000	0.040	0.001	0.575	1.050	4.8.2
L43	52.167 (42) 51.917 (43)	0.017	0.446	0.000	0.026	0.000	0.463	1.050	4.8.2
L44	51.917 (43) 46.917 (44)	0.017	0.474	0.000	0.027	0.000	0.492	1.050	4.8.2
L45	46.917 (44) 41.917 (45)	0.018	0.502	0.000	0.027	0.000	0.521	1.050	4.8.2
L46	41.917 (45) 40.233 (46)	0.020	0.535	0.000	0.030	0.000	0.555	1.050	4.8.2
L47	40.233 (46) 39.983 (47)	0.020	0.537	0.000	0.030	0.000	0.557	1.050	4.8.2
L48	39.983 (47) 34.983 (48)	0.020	0.567	0.000	0.031	0.000	0.589	1.050	4.8.2
L49	34.983 (48) 29.983 (49)	0.021	0.598	0.000	0.031	0.000	0.621	1.050	4.8.2
L50	29.983 (49) 28 (50)	0.022	0.611	0.000	0.032	0.000	0.634	1.050	4.8.2
L51	28 (50) 27.75 (51)	0.017	0.497	0.000	0.025	0.000	0.515	1.050	4.8.2
L52	27.75 (51) 22.75 (52)	0.018	0.523	0.000	0.025	0.000	0.542	1.050	4.8.2
L53	22.75 (52) 20.083 (53)	0.018	0.538	0.000	0.025	0.000	0.556	1.050	4.8.2
L54	20.083 (53) 19.833 (54)	0.022	0.635	0.000	0.030	0.000	0.658	1.050	4.8.2

Section No.	Elevation ft	Ratio	Ratio	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		P_u	M_{ux}	M_{uy}	V_u	T_u			
L55	19.833 - 17 (55)	0.022	0.653	0.000	0.030	0.000	0.676	1.050	4.8.2
L56	17 - 16.75 (56)	0.019	0.555	0.000	0.026	0.000	0.575	1.050	4.8.2
L57	16.75 - 11.65 (57)	0.019	0.562	0.000	0.025	0.000	0.581	1.050	4.8.2
L58	11.65 - 11.417 (58)	0.019	0.563	0.000	0.025	0.000	0.582	1.050	4.8.2
L59	11.417 - 9.396 (59)	0.019	0.573	0.000	0.025	0.000	0.593	1.050	4.8.2
L60	9.396 - 9.146 (60)	0.018	0.535	0.000	0.024	0.000	0.553	1.050	4.8.2
L61	9.146 - 4.833 (61)	0.018	0.556	0.000	0.024	0.000	0.575	1.050	4.8.2
L62	4.833 - 4.583 (62)	0.019	0.599	0.000	0.026	0.000	0.619	1.050	4.8.2
L63	4.583 - 0 (63)	0.020	0.624	0.000	0.026	0.000	0.645	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	191.667 - 186.667	Pole	P18x0.375	1	-0.67	824.12	1.0	Pass
L2	186.667 - 181.567	Pole	P24x0.375	2	-5.76	1104.67	3.0	Pass
L3	181.567 - 176.567	Pole	P24x0.375	3	-6.39	1104.67	6.5	Pass
L4	176.567 - 171.567	Pole	P24x0.375	4	-6.99	1104.67	10.3	Pass
L5	171.567 - 166.567	Pole	P24x0.375	5	-10.38	1104.67	15.8	Pass
L6	166.567 - 161.567	Pole	P24x0.375	6	-11.00	1104.67	21.9	Pass
L7	161.567 - 156.567	Pole	P24x0.375	7	-15.75	1104.67	31.0	Pass
L8	156.567 - 151.567	Pole	P24x0.375	8	-16.39	1104.67	40.9	Pass
L9	151.567 - 146.567	Pole	P24x0.375	9	-22.42	1104.67	54.7	Pass
L10	146.567 - 141.567	Pole	P24x0.375	10	-23.23	1104.67	69.8	Pass
L11	141.567 - 141.417	Pole	P24x0.375	11	-23.26	1104.67	70.3	Pass
L12	141.417 - 136.417	Pole	P36x0.375	12	-24.34	1564.60	40.5	Pass
L13	136.417 - 131.417	Pole	P36x0.375	13	-25.89	1564.60	48.1	Pass
L14	131.417 - 126.417	Pole	P36x0.375	14	-27.00	1564.60	55.8	Pass
L15	126.417 - 121.417	Pole	P36x0.375	15	-29.19	1564.60	63.7	Pass
L16	121.417 - 121.167	Pole	P36x0.375	16	-29.26	1564.60	64.1	Pass
L17	121.167 - 116.167	Pole	P42x0.375	17	-30.65	1752.31	54.2	Pass
L18	116.167 - 111.167	Pole	P42x0.375	18	-31.87	1752.31	60.3	Pass
L19	111.167 - 110.042	Pole	P42x0.375	19	-32.14	1752.31	61.7	Pass
L20	110.042 - 109.792	Pole	P42x0.4875	20	-32.22	2448.74	46.3	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail	
L21	109.792 - 105.083	Pole	P42x0.4875	21	-33.72	2448.74	50.8	Pass	
L22	105.083 - 104.833	Pole	P42x0.5625	22	-33.82	2906.35	43.5	Pass	
L23	104.833 - 100.917	Pole	P42x0.5625	23	-36.12	2906.35	46.8	Pass	
L24	100.917 - 100.667	Pole	P48x0.375	24	-36.22	1939.86	57.6	Pass	
L25	100.667 - 95.833	Pole	P48x0.375	25	-37.91	1939.86	62.7	Pass	
L26	95.833 - 95.583	Pole	P48x0.475	26	-38.00	2605.46	48.5	Pass	
L27	95.583 - 90.583	Pole	P48x0.475	27	-39.63	2605.46	52.6	Pass	
L28	90.583 - 89.917	Pole	P48x0.475	28	-40.02	2605.46	53.2	Pass	
L29	89.917 - 89.667	Pole	P48x0.575	29	-40.13	3332.72	43.2	Pass	
L30	89.667 - 84.667	Pole	P48x0.575	30	-42.80	3332.72	46.7	Pass	
L31	84.667 - 80.833	Pole	P48x0.575	31	-45.85	3332.72	49.5	Pass	
L32	80.833 - 80.333	Pole	P54x0.55	32	-46.22	3420.72	42.1	Pass	
L33	80.333 - 80.083	Pole	P54x0.4875	33	-46.35	2937.03	48.2	Pass	
L34	80.083 - 75.083	Pole	P54x0.4875	34	-48.67	2937.03	51.8	Pass	
L35	75.083 - 70.083	Pole	P54x0.4875	35	-51.41	2937.03	55.5	Pass	
L36	70.083 - 69.5	Pole	P54x0.4875	36	-52.06	2937.03	56.0	Pass	
L37	69.5 - 69.25	Pole	P54x0.5875	37	-52.24	3722.49	45.7	Pass	
L38	69.25 - 64.25	Pole	P54x0.5875	38	-58.43	3722.49	49.0	Pass	
L39	64.25 - 60.583	Pole	P54x0.5875	39	-63.49	3722.49	51.5	Pass	
L40	60.583 - 60.333	Pole	P60x0.5125	40	-63.68	3384.03	49.4	Pass	
L41	60.333 - 55.333	Pole	P60x0.5125	41	-67.31	3384.03	52.7	Pass	
L42	55.333 - 52.167	Pole	P60x0.5125	42	-68.70	3384.03	54.8	Pass	
L43	52.167 - 51.917	Pole	P60x0.625	43	-68.83	4346.11	44.1	Pass	
L44	51.917 - 46.917	Pole	P60x0.625	44	-71.77	4346.11	46.8	Pass	
L45	46.917 - 41.917	Pole	P60x0.625	45	-75.57	4346.11	49.6	Pass	
L46	41.917 - 40.233	Pole	P60x0.6	46	-76.79	4125.57	52.9	Pass	
L47	40.233 - 39.983	Pole	P60x0.6	47	-76.98	4125.57	53.1	Pass	
L48	39.983 - 34.983	Pole	P60x0.6	48	-80.48	4125.57	56.1	Pass	
L49	34.983 - 29.983	Pole	P60x0.6	49	-83.64	4125.57	59.1	Pass	
L50	29.983 - 28	Pole	P60x0.6	50	-84.64	4125.57	60.3	Pass	
L51	28 - 27.75	Pole	P60x0.725	51	-84.80	5266.71	49.0	Pass	
L52	27.75 - 22.75	Pole	P60x0.725	52	-88.75	5266.71	51.6	Pass	
L53	22.75 - 20.083	Pole	P60x0.725	53	-90.88	5266.71	53.0	Pass	
L54	20.083 - 19.833	Pole	P60x0.625	54	-91.07	4346.11	62.6	Pass	
L55	19.833 - 17	Pole	P60x0.625	55	-93.12	4346.11	64.4	Pass	
L56	17 - 16.75	Pole	P60x0.725	56	-93.34	5266.71	54.7	Pass	
L57	16.75 - 11.65	Pole	P60x0.75	57	-97.39	5506.44	55.3	Pass	
L58	11.65 - 11.417	Pole	P60x0.75	58	-97.55	5506.44	55.4	Pass	
L59	11.417 - 9.396	Pole	P60x0.75	59	-98.83	5506.44	56.5	Pass	
L60	9.396 - 9.146	Pole	P60x0.8	60	-99.00	5905.30	52.7	Pass	
L61	9.146 - 4.833	Pole	P60x0.8	61	-101.85	5905.30	54.8	Pass	
L62	4.833 - 4.583	Pole	P60x0.75	62	-102.02	5506.44	59.0	Pass	
L63	4.583 - 0	Pole	P60x0.75	63	-104.85	5506.44	61.4	Pass	
							Summary		
							Pole (L11)	70.3	Pass
							RATING =	70.3	Pass

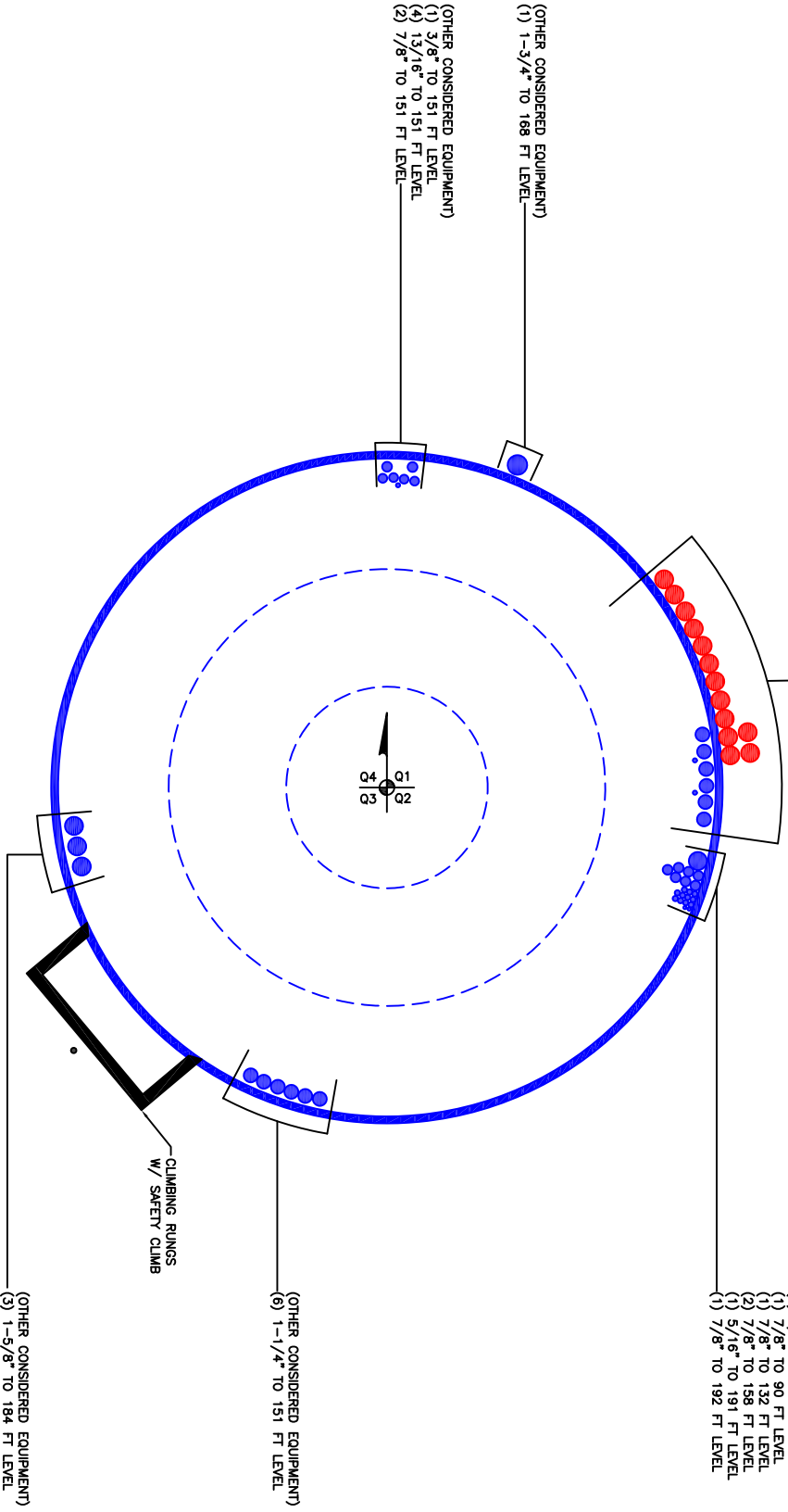
***NOTE: Above stress ratios for reinforced sections are approximate. More exact calculations are presented in Appendix C.**

APPENDIX B
BASE LEVEL DRAWING



(OTHER CONSIDERED EQUIPMENT)
 (2) 3/8" TO 151 FT LEVEL
 (6) 1-1/4" TO 151 FT LEVEL

(PROPOSED EQUIPMENT CONFIGURATION)
 (13) 1-5/8" TO 160 FT LEVEL



(OTHER CONSIDERED EQUIPMENT)
 (2) 1/2" TO 33 FT LEVEL
 (2) 7/8" TO 70 FT LEVEL
 (1) 5/16" TO 90 FT LEVEL
 (2) 1/2" TO 90 FT LEVEL
 (1) 7/8" TO 90 FT LEVEL
 (1) 7/8" TO 132 FT LEVEL
 (2) 7/8" TO 158 FT LEVEL
 (1) 5/16" TO 191 FT LEVEL
 (1) 7/8" TO 192 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
 (6) 1-1/4" TO 151 FT LEVEL

CLIMBING RUNGS
 W/ SAFETY CLIMB

(OTHER CONSIDERED EQUIPMENT)
 (3) 1-5/8" TO 184 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
 (1) 1-3/4" TO 168 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
 (1) 3/8" TO 151 FT LEVEL
 (4) 13/16" TO 151 FT LEVEL
 (2) 7/8" TO 151 FT LEVEL

APPENDIX C
ADDITIONAL CALCULATIONS

Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	191.667	10.084		0	18	18	0.375		A53-B-42
2	181.583	40.166		0	24.00	24	0.375		A53-B-42
3	141.417	20.25		0	36.00	36	0.375		A53-B-42
4	121.167	20.25		0	42.00	42	0.375		A53-B-42
5	100.917	20.084		0	48.00	48	0.375		A53-B-42
6	80.833	20.25		0	54.00	54	0.375		A53-B-42
7	60.583	20.25		0	60.00	60	0.375		A53-B-42
8	40.333	20.25		0	60.00	60	0.5		A53-B-42
9	20.083	20.083		0	60.00	60	0.625		A53-B-42

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1	0	9.396	plate	CCI-AFP-040075	2				70													313		
2	20.083	40.33	plate	CCI-SFP-060100	3				66						189							312		
3	40.333	60.583	plate	CCI-SFP-065125	3				67.5						188							307		
4	60.583	80.333	plate	CCI-SFP-060100	3				67.5						190							307		
5	80.333	89.917	plate	CCI-SFP-045100	3				72						192							312		
6	100.917	105.083	plate	CCI-AFP-040075	3			53						178								303		
7	4.833	11.667	plate	CCI-AFP-040075	1										198									
8	0	17	plate	CCI-SFP-060100	4		36				113						223				294			
9	20.083	28	plate	CCI-SFP-060100	4			53					157					247					339	
10	40.333	52.167	plate	CCI-SFP-060100	4		36					126					234				294			
11	60.583	69.5	plate	CCI-SFP-045100	4				80				155					254					341	
12	80.333	95.833	plate	CCI-SFP-045100	3					93						213							333	
13	100.917	110.042	plate	CCI-SFP-045100	3		30							150					270					
14																								

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	4	0.75	3	0.375	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	16.000	2.063	1.1875	A572-65
2	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.000	4.750	1.1875	A572-65
3	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
4	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.000	4.750	1.1875	A572-65
5	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65
6	4	0.75	3	0.375	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	16.000	2.063	1.1875	A572-65
7	4	0.75	3	0.375	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	16.000	2.063	1.1875	A572-65
8	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.000	4.750	1.1875	A572-65
9	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.000	4.750	1.1875	A572-65
10	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.000	4.750	1.1875	A572-65
11	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65
12	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65
13	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65

TNX Geometry Input

Increment (ft): 5 [Export to TNX](#)

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	191.667 - 186.667	5	0	0	18.000	18.000	0.375	A53-B-42	1.000
2	186.667 - 181.567	5.1		0	24.000	24.000	0.375	A53-B-42	1.000
3	181.567 - 176.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
4	176.567 - 171.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
5	171.567 - 166.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
6	166.567 - 161.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
7	161.567 - 156.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
8	156.567 - 151.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
9	151.567 - 146.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
10	146.567 - 141.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
11	141.567 - 141.417	0.15	0	0	24.000	24.000	0.375	A53-B-42	1.000
12	141.417 - 136.417	5		0	36.000	36.000	0.375	A53-B-42	1.000
13	136.417 - 131.417	5		0	36.000	36.000	0.375	A53-B-42	1.000
14	131.417 - 126.417	5		0	36.000	36.000	0.375	A53-B-42	1.000
15	126.417 - 121.417	5		0	36.000	36.000	0.375	A53-B-42	1.000
16	121.417 - 121.167	0.25	0	0	36.000	36.000	0.375	A53-B-42	1.000
17	121.167 - 116.167	5		0	42.000	42.000	0.375	A53-B-42	1.000
18	116.167 - 111.167	5		0	42.000	42.000	0.375	A53-B-42	1.000
19	111.167 - 110.042	1.125		0	42.000	42.000	0.375	A53-B-42	1.000
20	110.042 - 109.792	0.25		0	42.000	42.000	0.4875	A53-B-42	0.984
21	109.792 - 105.083	4.709		0	42.000	42.000	0.4875	A53-B-42	0.984
22	105.083 - 104.833	0.25		0	42.000	42.000	0.5625	A53-B-42	0.977
23	104.833 - 100.917	3.916	0	0	42.000	42.000	0.5625	A53-B-42	0.977
24	100.917 - 100.667	0.25		0	48.000	48.000	0.375	A53-B-42	1.000
25	100.667 - 95.833	4.834		0	48.000	48.000	0.375	A53-B-42	1.000
26	95.833 - 95.583	0.25		0	48.000	48.000	0.475	A53-B-42	0.981
27	95.583 - 90.583	5		0	48.000	48.000	0.475	A53-B-42	0.981
28	90.583 - 89.917	0.666		0	48.000	48.000	0.475	A53-B-42	0.981
29	89.917 - 89.667	0.25		0	48.000	48.000	0.575	A53-B-42	0.970
30	89.667 - 84.667	5		0	48.000	48.000	0.575	A53-B-42	0.970
31	84.667 - 80.833	3.834	0	0	48.000	48.000	0.575	A53-B-42	0.970
32	80.833 - 80.333	0.5		0	54.000	54.000	0.55	A53-B-42	0.976
33	80.333 - 80.083	0.25		0	54.000	54.000	0.4875	A53-B-42	0.990
34	80.083 - 75.083	5		0	54.000	54.000	0.4875	A53-B-42	0.990
35	75.083 - 70.083	5		0	54.000	54.000	0.4875	A53-B-42	0.990
36	70.083 - 69.5	0.583		0	54.000	54.000	0.4875	A53-B-42	0.990
37	69.5 - 69.25	0.25		0	54.000	54.000	0.5875	A53-B-42	1.006
38	69.25 - 64.25	5		0	54.000	54.000	0.5875	A53-B-42	1.006
39	64.25 - 60.583	3.667	0	0	54.000	54.000	0.5875	A53-B-42	1.006
40	60.583 - 60.333	0.25		0	60.000	60.000	0.5125	A53-B-42	0.988
41	60.333 - 55.333	5		0	60.000	60.000	0.5125	A53-B-42	0.988
42	55.333 - 52.167	3.166		0	60.000	60.000	0.5125	A53-B-42	0.988
43	52.167 - 51.917	0.25		0	60.000	60.000	0.625	A53-B-42	1.017
44	51.917 - 46.917	5		0	60.000	60.000	0.625	A53-B-42	1.017
45	46.917 - 41.917	5	0	0	60.000	60.000	0.625	A53-B-42	1.017
46	41.917 - 40.233	1.684		0	60.000	60.000	0.6	A53-B-42	0.995
47	40.233 - 39.983	0.25		0	60.000	60.000	0.6	A53-B-42	0.995
48	39.983 - 34.983	5		0	60.000	60.000	0.6	A53-B-42	0.995
49	34.983 - 29.983	5		0	60.000	60.000	0.6	A53-B-42	0.995
50	29.983 - 28	1.983		0	60.000	60.000	0.6	A53-B-42	0.995
51	28 - 27.75	0.25		0	60.000	60.000	0.725	A53-B-42	1.003
52	27.75 - 22.75	5		0	60.000	60.000	0.725	A53-B-42	1.003
53	22.75 - 20.083	2.667	0	0	60.000	60.000	0.725	A53-B-42	1.003
54	20.083 - 19.833	0.25		0	60.000	60.000	0.625	A53-B-42	1.000
55	19.833 - 17	2.833		0	60.000	60.000	0.625	A53-B-42	1.000
56	17 - 16.75	0.25		0	60.000	60.000	0.725	A53-B-42	1.041
57	16.75 - 11.65	5.1		0	60.000	60.000	0.75	A53-B-42	1.028
58	11.65 - 11.417	0.233		0	60.000	60.000	0.75	A53-B-42	1.028
59	11.417 - 9.396	2.021		0	60.000	60.000	0.75	A53-B-42	1.028
60	9.396 - 9.146	0.25		0	60.000	60.000	0.8	A53-B-42	1.005
61	9.146 - 4.833	4.313		0	60.000	60.000	0.8	A53-B-42	1.005
62	4.833 - 4.583	0.25		0	60.000	60.000	0.75	A53-B-42	1.050
63	4.583 - 0	4.583		0	60.000	60.000	0.75	A53-B-42	1.050

TNX Section Forces

Increment (ft):		TNX Output			
5					
	Section Height (ft)	P _u	M _{ux} (kip-ft)	V _u	(K)
1	191.667 - 186.667	0.67	3.72	0.63	
2	186.667 - 181.567	5.76	16.15	4.40	
3	181.567 - 176.567	6.39	38.91	4.74	
4	176.567 - 171.567	6.99	63.32	5.02	
5	171.567 - 166.567	10.38	96.67	7.89	
6	166.567 - 161.567	11.00	136.78	8.16	
7	161.567 - 156.567	15.75	192.53	12.53	
8	156.567 - 151.567	16.39	256.78	13.20	
9	151.567 - 146.567	22.42	342.15	19.46	
10	146.567 - 141.567	23.23	440.76	19.99	
11	141.567 - 141.417	23.26	443.76	20.00	
12	141.417 - 136.417	24.34	544.79	20.43	
13	136.417 - 131.417	25.89	649.35	21.26	
14	131.417 - 126.417	27.00	756.63	21.64	
15	126.417 - 121.417	29.19	866.26	22.20	
16	121.417 - 121.167	29.26	871.82	22.22	
17	121.167 - 116.167	30.65	983.97	22.63	
18	116.167 - 111.167	31.87	1098.11	23.02	
19	111.167 - 110.042	32.14	1124.10	23.18	
20	110.042 - 109.792	32.22	1129.90	23.22	
21	109.792 - 105.083	33.72	1240.98	23.95	
22	105.083 - 104.833	33.82	1246.98	23.99	
23	104.833 - 100.917	36.12	1342.57	24.82	
24	100.917 - 100.667	36.22	1348.78	24.86	
25	100.667 - 95.833	37.91	1470.17	25.37	
26	95.833 - 95.583	38.00	1476.51	25.38	
27	95.583 - 90.583	39.63	1604.47	25.79	
28	90.583 - 89.917	40.02	1621.84	26.14	
29	89.917 - 89.667	40.13	1628.38	26.18	
30	89.667 - 84.667	42.80	1761.31	27.03	
31	84.667 - 80.833	45.85	1866.36	27.88	
32	80.833 - 80.333	46.22	1880.30	27.96	
33	80.333 - 80.083	46.35	1887.30	28.01	
34	80.083 - 75.083	48.67	2029.48	28.88	
35	75.083 - 70.083	51.41	2176.21	29.76	
36	70.083 - 69.5	52.06	2193.37	30.29	
37	69.5 - 69.25	52.24	2200.96	30.34	
38	69.25 - 64.25	58.43	2356.46	31.63	
39	64.25 - 60.583	63.49	2474.67	32.60	
40	60.583 - 60.333	63.68	2482.83	32.64	
41	60.333 - 55.333	67.31	2648.64	33.59	
42	55.333 - 52.167	68.70	2755.38	33.83	
43	52.167 - 51.917	68.83	2763.84	33.84	
44	51.917 - 46.917	71.77	2935.21	34.69	
45	46.917 - 41.917	75.57	3110.73	35.58	
46	41.917 - 40.233	76.79	3170.83	35.86	
47	40.233 - 39.983	76.98	3179.78	35.89	
48	39.983 - 34.983	80.48	3360.96	36.67	
49	34.983 - 29.983	83.64	3547.03	37.53	
50	29.983 - 28	84.64	3621.70	37.80	
51	28 - 27.75	84.80	3631.15	37.80	
52	27.75 - 22.75	88.75	3822.09	38.53	
53	22.75 - 20.083	90.88	3925.39	38.91	
54	20.083 - 19.833	91.07	3935.12	38.92	
55	19.833 - 17	93.12	4046.00	39.32	
56	17 - 16.75	93.34	4055.83	39.33	
57	16.75 - 11.65	97.39	4258.18	39.99	
58	11.65 - 11.417	97.55	4267.50	39.98	
59	11.417 - 9.396	98.83	4348.57	40.23	
60	9.396 - 9.146	99.00	4358.63	40.25	
61	9.146 - 4.833	101.85	4533.36	40.77	
62	4.833 - 4.583	102.02	4543.56	40.78	
63	4.583 - 0	104.85	4731.62	41.30	

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
191.67 - 186.67	Pole	TP18x18x0.375	Pole	1.0%	Pass
186.67 - 181.57	Pole	TP24x24x0.375	Pole	3.0%	Pass
181.57 - 176.57	Pole	TP24x24x0.375	Pole	6.5%	Pass
176.57 - 171.57	Pole	TP24x24x0.375	Pole	10.3%	Pass
171.57 - 166.57	Pole	TP24x24x0.375	Pole	15.8%	Pass
166.57 - 161.57	Pole	TP24x24x0.375	Pole	21.9%	Pass
161.57 - 156.57	Pole	TP24x24x0.375	Pole	31.0%	Pass
156.57 - 151.57	Pole	TP24x24x0.375	Pole	40.9%	Pass
151.57 - 146.57	Pole	TP24x24x0.375	Pole	54.6%	Pass
146.57 - 141.57	Pole	TP24x24x0.375	Pole	69.8%	Pass
141.57 - 141.42	Pole	TP24x24x0.375	Pole	70.2%	Pass
141.42 - 136.42	Pole	TP36x36x0.375	Pole	40.5%	Pass
136.42 - 131.42	Pole	TP36x36x0.375	Pole	48.1%	Pass
131.42 - 126.42	Pole	TP36x36x0.375	Pole	55.8%	Pass
126.42 - 121.42	Pole	TP36x36x0.375	Pole	63.7%	Pass
121.42 - 121.17	Pole	TP36x36x0.375	Pole	64.1%	Pass
121.17 - 116.17	Pole	TP42x42x0.375	Pole	54.1%	Pass
116.17 - 111.17	Pole	TP42x42x0.375	Pole	60.2%	Pass
111.17 - 110.04	Pole	TP42x42x0.375	Pole	61.6%	Pass
110.04 - 109.79	Pole + Reinf.	TP42x42x0.4875	Reinf. 13 Tension Rupture	48.0%	Pass
109.79 - 105.08	Pole + Reinf.	TP42x42x0.4875	Reinf. 13 Tension Rupture	52.7%	Pass
105.08 - 104.83	Pole + Reinf.	TP42x42x0.5625	Reinf. 6 Tension Rupture	48.0%	Pass
104.83 - 100.92	Pole + Reinf.	TP42x42x0.5625	Reinf. 6 Tension Rupture	51.7%	Pass
100.92 - 100.67	Pole	TP48x48x0.375	Pole	57.4%	Pass
100.67 - 95.83	Pole	TP48x48x0.375	Pole	62.5%	Pass
95.83 - 95.58	Pole + Reinf.	TP48x48x0.475	Pole	49.8%	Pass
95.58 - 90.58	Pole + Reinf.	TP48x48x0.475	Pole	54.1%	Pass
90.58 - 89.92	Pole + Reinf.	TP48x48x0.475	Pole	54.6%	Pass
89.92 - 89.67	Pole + Reinf.	TP48x48x0.575	Pole	45.5%	Pass
89.67 - 84.67	Pole + Reinf.	TP48x48x0.575	Pole	49.2%	Pass
84.67 - 80.83	Pole + Reinf.	TP48x48x0.575	Pole	52.2%	Pass
80.83 - 80.33	Pole + Reinf.	TP54x54x0.55	Pole	43.8%	Pass
80.33 - 80.08	Pole + Reinf.	TP54x54x0.4875	Pole	49.5%	Pass
80.08 - 75.08	Pole + Reinf.	TP54x54x0.4875	Pole	53.2%	Pass
75.08 - 70.08	Pole + Reinf.	TP54x54x0.4875	Pole	57.0%	Pass
70.08 - 69.5	Pole + Reinf.	TP54x54x0.4875	Pole	57.4%	Pass
69.5 - 69.25	Pole + Reinf.	TP54x54x0.5875	Pole	47.6%	Pass
69.25 - 64.25	Pole + Reinf.	TP54x54x0.5875	Pole	51.1%	Pass
64.25 - 60.58	Pole + Reinf.	TP54x54x0.5875	Pole	53.7%	Pass
60.58 - 60.33	Pole + Reinf.	TP60x60x0.5125	Pole	50.4%	Pass
60.33 - 55.33	Pole + Reinf.	TP60x60x0.5125	Pole	53.7%	Pass
55.33 - 52.17	Pole + Reinf.	TP60x60x0.5125	Pole	55.9%	Pass
52.17 - 51.92	Pole + Reinf.	TP60x60x0.625	Pole	46.8%	Pass
51.92 - 46.92	Pole + Reinf.	TP60x60x0.625	Pole	49.6%	Pass
46.92 - 41.92	Pole + Reinf.	TP60x60x0.625	Pole	52.6%	Pass
41.92 - 40.23	Pole + Reinf.	TP60x60x0.6	Pole	54.1%	Pass
40.23 - 39.98	Pole + Reinf.	TP60x60x0.6	Pole	54.2%	Pass
39.98 - 34.98	Pole + Reinf.	TP60x60x0.6	Pole	57.3%	Pass
34.98 - 29.98	Pole + Reinf.	TP60x60x0.6	Pole	60.4%	Pass
29.98 - 28	Pole + Reinf.	TP60x60x0.6	Pole	61.7%	Pass
28 - 27.75	Pole + Reinf.	TP60x60x0.725	Pole	51.9%	Pass
27.75 - 22.75	Pole + Reinf.	TP60x60x0.725	Pole	54.6%	Pass
22.75 - 20.08	Pole + Reinf.	TP60x60x0.725	Pole	56.1%	Pass
20.08 - 19.83	Pole	TP60x60x0.625	Pole	62.6%	Pass
19.83 - 17	Pole	TP60x60x0.625	Pole	64.4%	Pass
17 - 16.75	Pole + Reinf.	TP60x60x0.725	Pole	55.8%	Pass
16.75 - 11.65	Pole + Reinf.	TP60x60x0.75	Pole	57.2%	Pass
11.65 - 11.42	Pole + Reinf.	TP60x60x0.75	Pole	57.3%	Pass
11.42 - 9.4	Pole + Reinf.	TP60x60x0.75	Pole	58.4%	Pass
9.4 - 9.15	Pole + Reinf.	TP60x60x0.8	Reinf. 7 Tension Rupture	58.1%	Pass
9.15 - 4.83	Pole + Reinf.	TP60x60x0.8	Reinf. 7 Tension Rupture	60.4%	Pass
4.83 - 4.58	Pole + Reinf.	TP60x60x0.75	Pole	61.8%	Pass
4.58 - 0	Pole + Reinf.	TP60x60x0.75	Pole	64.3%	Pass
				Summary	
			Pole	70.2%	Pass
			Reinforcement	62.6%	Pass
			Overall	70.2%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in ⁴)			Area (in ²)			% Capacity* (100% Max. Allowable)													
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13
191.67 - 186.67	807	n/a	807	20.76	n/a	20.76	1.0%													
186.67 - 181.57	1942	n/a	1942	27.83	n/a	27.83	3.0%													
181.57 - 176.57	1942	n/a	1942	27.83	n/a	27.83	6.5%													
176.57 - 171.57	1942	n/a	1942	27.83	n/a	27.83	10.3%													
171.57 - 166.57	1942	n/a	1942	27.83	n/a	27.83	15.8%													
166.57 - 161.57	1942	n/a	1942	27.83	n/a	27.83	21.9%													
161.57 - 156.57	1942	n/a	1942	27.83	n/a	27.83	31.0%													
156.57 - 151.57	1942	n/a	1942	27.83	n/a	27.83	40.9%													
151.57 - 146.57	1942	n/a	1942	27.83	n/a	27.83	54.6%													
146.57 - 141.57	1942	n/a	1942	27.83	n/a	27.83	69.8%													
141.57 - 141.42	1942	n/a	1942	27.83	n/a	27.83	70.2%													
141.42 - 136.42	6659	n/a	6659	41.97	n/a	41.97	40.5%													
136.42 - 131.42	6659	n/a	6659	41.97	n/a	41.97	48.1%													
131.42 - 126.42	6659	n/a	6659	41.97	n/a	41.97	55.8%													
126.42 - 121.42	6659	n/a	6659	41.97	n/a	41.97	63.7%													
121.42 - 121.17	6659	n/a	6659	41.97	n/a	41.97	64.1%													
121.17 - 116.17	10622	n/a	10622	49.04	n/a	49.04	54.1%													
116.17 - 111.17	10622	n/a	10622	49.04	n/a	49.04	60.2%													
111.17 - 110.04	10622	n/a	10622	49.04	n/a	49.04	61.6%													
110.04 - 109.79	10622	3132	13754	49.04	13.50	62.54	47.7%													48.0%
109.79 - 105.08	10622	3132	13754	49.04	13.50	62.54	52.3%													52.7%
105.08 - 104.83	10622	5106	15728	49.04	22.50	71.54	46.1%						48.0%							46.6%
104.83 - 100.92	10622	5106	15728	49.04	22.50	71.54	49.6%						51.7%							50.1%
100.92 - 100.67	15908	n/a	15908	56.11	n/a	56.11	57.4%													
100.67 - 95.83	15908	n/a	15908	56.11	n/a	56.11	62.5%													
95.83 - 95.58	15908	4064	19972	56.11	13.50	69.61	49.8%													49.3%
95.58 - 90.58	15908	4064	19972	56.11	13.50	69.61	54.1%													53.5%
90.58 - 89.92	15908	4064	19972	56.11	13.50	69.61	54.6%													54.1%
89.92 - 89.67	15908	8127	24036	56.11	27.00	83.11	45.5%					45.0%								45.0%
89.67 - 84.67	15908	8127	24036	56.11	27.00	83.11	49.2%					48.7%								48.7%
84.67 - 80.83	15908	8127	24036	56.11	27.00	83.11	52.2%					51.6%								51.6%
80.83 - 80.33	22710	10233	32943	63.18	27.00	90.18	43.8%					42.8%								42.8%
80.33 - 80.08	22710	6621	29331	63.18	18.00	81.18	49.5%				43.9%									
80.08 - 75.08	22710	6621	29331	63.18	18.00	81.18	53.2%				47.2%									
75.08 - 70.08	22710	6621	29331	63.18	18.00	81.18	57.0%				50.6%									
70.08 - 69.5	22710	6621	29331	63.18	18.00	81.18	57.4%				51.0%									
69.5 - 69.25	22710	12688	35398	63.18	36.00	99.18	47.6%				42.3%								45.7%	
69.25 - 64.25	22710	12688	35398	63.18	36.00	99.18	51.1%				45.4%								48.9%	
64.25 - 60.58	22710	12688	35398	63.18	36.00	99.18	53.7%				47.7%								51.5%	
60.58 - 60.33	31217	11364	42581	70.24	24.38	94.62	50.4%			43.8%										
60.33 - 55.33	31217	11364	42581	70.24	24.38	94.62	53.7%			46.7%										
55.33 - 52.17	31217	11364	42581	70.24	24.38	94.62	55.9%			48.6%										
52.17 - 51.92	31219	19812	51030	70.24	48.38	118.62	46.8%			40.4%								39.8%		
51.92 - 46.92	31219	19812	51030	70.24	48.38	118.62	49.6%			42.8%								42.2%		
46.92 - 41.92	31219	19812	51030	70.24	48.38	118.62	52.6%			45.4%								44.7%		
41.92 - 40.23	41363	7892	49255	93.46	18.00	111.46	54.1%		48.7%											
40.23 - 39.98	41363	7892	49255	93.46	18.00	111.46	54.2%		48.9%											
39.98 - 34.98	41363	7892	49255	93.46	18.00	111.46	57.3%		51.6%											
34.98 - 29.98	41363	7892	49255	93.46	18.00	111.46	60.4%		54.4%											
29.98 - 28	41363	7892	49255	93.46	18.00	111.46	61.7%		55.6%											
28 - 27.75	41368	17587	58955	93.46	42.00	135.46	51.9%		45.7%							45.9%				
27.75 - 22.75	41368	17587	58955	93.46	42.00	135.46	54.6%		48.1%							48.3%				
22.75 - 20.08	41368	17587	58955	93.46	42.00	135.46	56.1%		49.4%							49.6%				
20.08 - 19.83	51381	n/a	51381	116.58	n/a	116.58	62.6%													
19.83 - 17	51381	n/a	51381	116.58	n/a	116.58	64.4%													
17 - 16.75	51383	8145	59528	116.58	24.00	140.58	55.8%									49.1%				
16.75 - 11.65	51395	9920	61315	116.58	27.00	143.58	57.2%								57.0%	51.2%				
11.65 - 11.42	51395	9920	61315	116.58	27.00	143.58	57.3%								57.1%	51.3%				
11.42 - 9.4	51395	9920	61315	116.58	27.00	143.58	58.4%								58.2%	52.2%				
9.4 - 9.15	51382	13787	65169	116.58	33.00	149.58	54.7%	57.6%							58.1%	49.7%				
9.15 - 4.83	51382	13787	65169	116.58	33.00	149.58	56.9%	59.9%							60.4%	51.6%				
4.83 - 4.58	51446	9839	61284	116.58	30.00	146.58	61.8%	60.2%							53.8%					
4.58 - 0	51446	9839	61284	116.58	30.00	146.58	64.3%	62.6%							56.0%					

Note: Section capacity checked using 5 degree increments.
 *Rating per TIA-222-H Section 15.5.

Monopole Flange Plate Connection

Elevation = 181.583 ft.

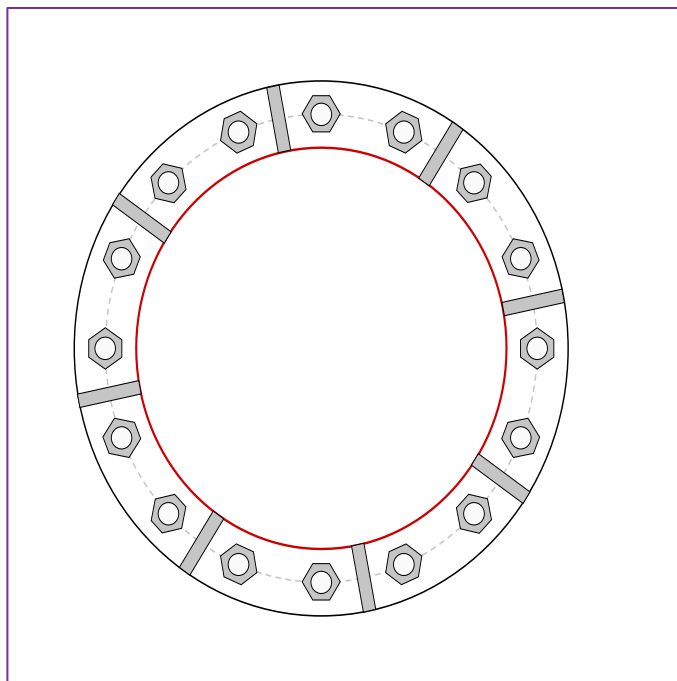


BU #	826217
Site Name	Newington_1
Order #	654632 Rev.0
TIA-222 Revision	H

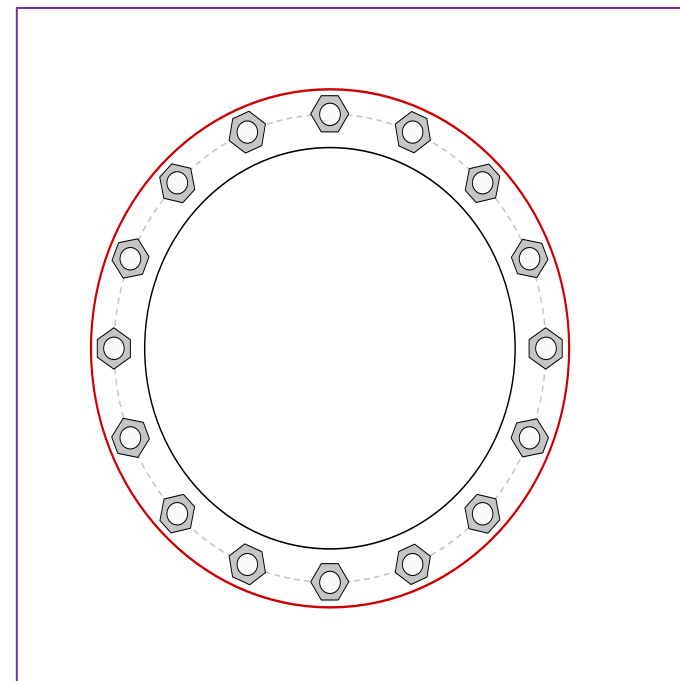
Applied Loads	
Moment (kip-ft)	16.50
Axial Force (kips)	5.76
Shear Force (kips)	4.40

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(16) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 21" BC

Top Plate Data

24" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(8) 5"H x 3"W x 0.625"T, Notch: 0.75"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Top Pole Data

18" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

18" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

24" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	2.00
Allowable (kips)	54.54
Stress Rating:	3.5% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirod OK
Tension Side Stress Rating:	Pirod OK

Top Stiffener Capacity

Horizontal Weld:	Pirod OK
Vertical Weld:	Pirod OK
Plate Flexure+Shear:	Pirod OK
Plate Tension+Shear:	Pirod OK
Plate Compression:	Pirod OK

Top Pole Capacity

Punching Shear:	Pirod OK
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Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirod OK
Tension Side Stress Rating:	Pirod OK

Bottom Stiffener Capacity

Horizontal Weld:	N/A
Vertical Weld:	N/A
Plate Flexure+Shear:	N/A
Plate Tension+Shear:	N/A
Plate Compression:	N/A

Bottom Pole Capacity

Punching Shear:	N/A
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Monopole Flange Plate Connection

Elevation = 141.417 ft.

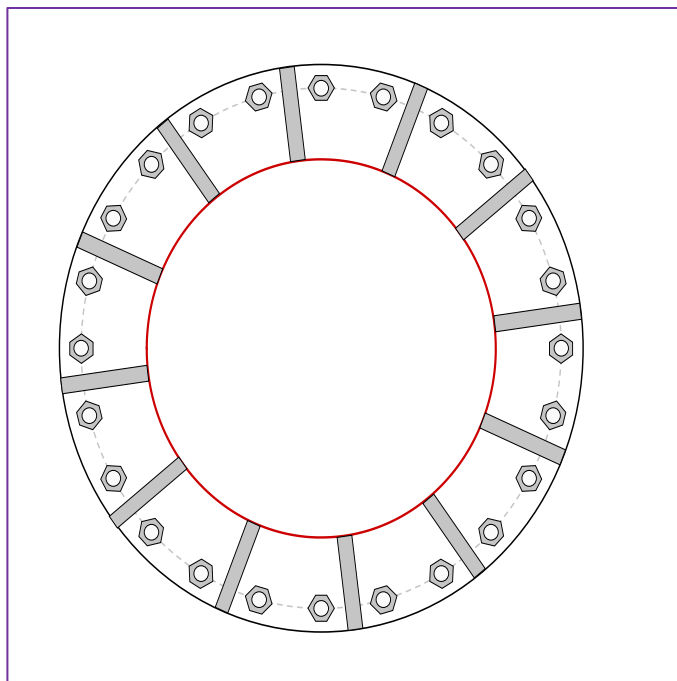


BU #	826217
Site Name	Newington_1
Order #	654632 Rev.0
TIA-222 Revision	H

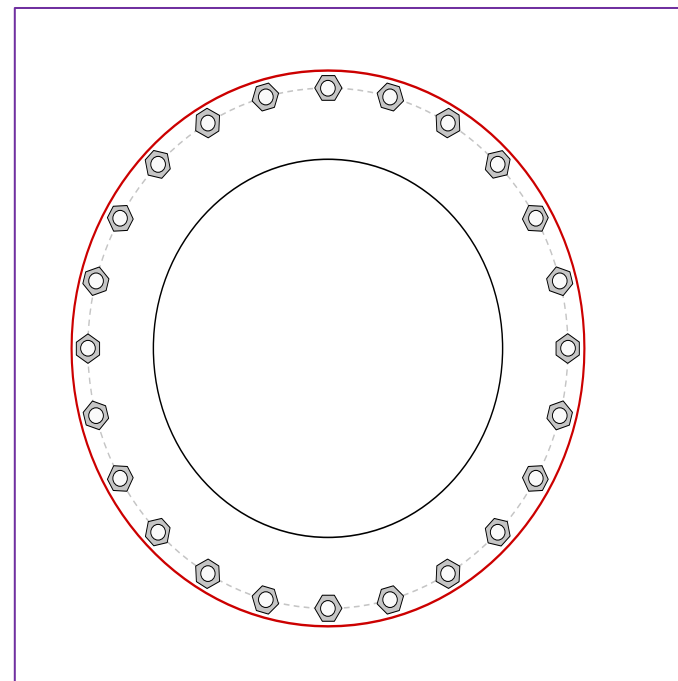
Applied Loads	
Moment (kip-ft)	443.76
Axial Force (kips)	23.26
Shear Force (kips)	20.00

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(24) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 33" BC

Top Plate Data

36" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(12) 8"H x 6"W x 1"T, Notch: 1"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Top Pole Data

24" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

24" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	25.92
Allowable (kips)	54.52
Stress Rating:	45.3% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirod OK
Tension Side Stress Rating:	Pirod OK

Top Stiffener Capacity

Horizontal Weld:	Pirod OK
Vertical Weld:	Pirod OK
Plate Flexure+Shear:	Pirod OK
Plate Tension+Shear:	Pirod OK
Plate Compression:	Pirod OK

Top Pole Capacity

Punching Shear:	Pirod OK
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Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirod OK
Tension Side Stress Rating:	Pirod OK

Bottom Stiffener Capacity

Horizontal Weld:	N/A
Vertical Weld:	N/A
Plate Flexure+Shear:	N/A
Plate Tension+Shear:	N/A
Plate Compression:	N/A

Bottom Pole Capacity

Punching Shear:	N/A
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Monopole Flange Plate Connection

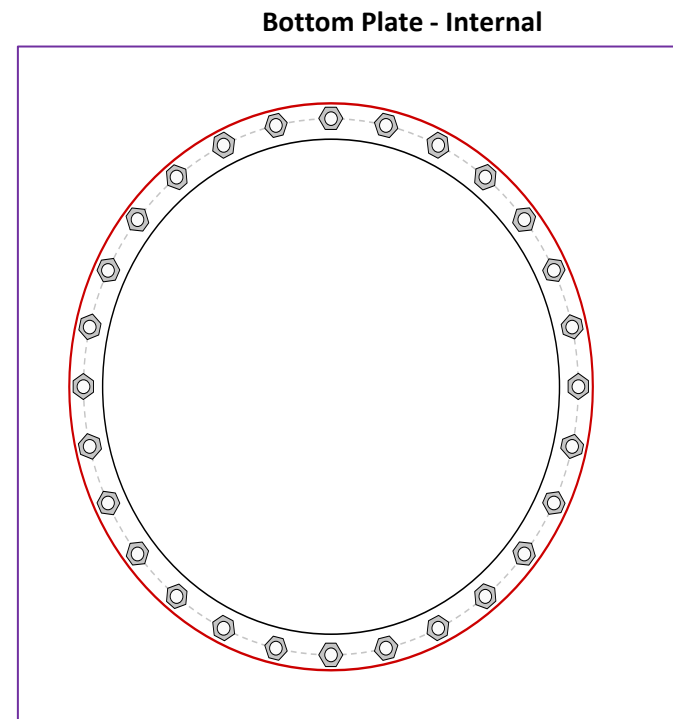
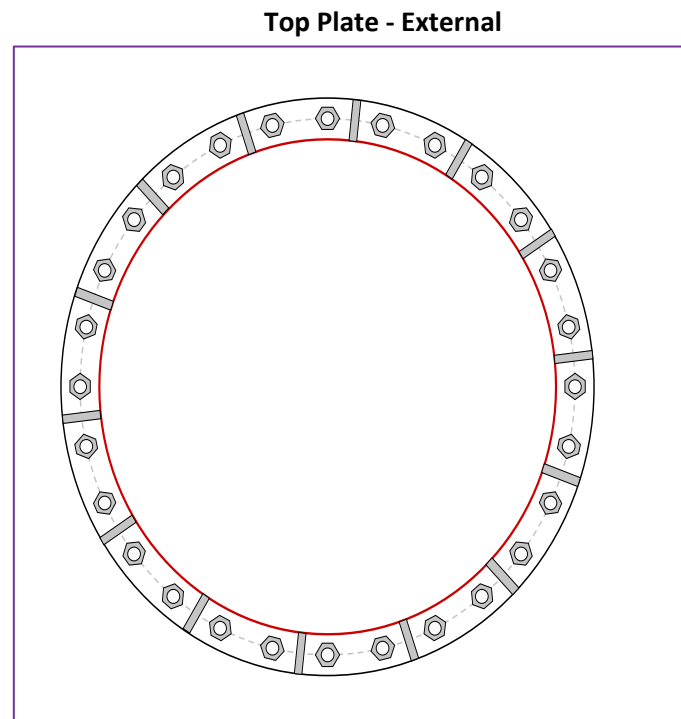
Elevation = 121.167 ft.



BU #	826217
Site Name	Newington_1
Order #	654632 Rev.0
TIA-222 Revision	
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Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	443.18	Moment (kip-ft)	428.64
Axial Force (kips)	29.26	Axial Force (kips)	0.00
Shear Force (kips)	22.22	Shear Force (kips)	0.00

*TIA-222-H Section 15.5 Applied



Connection Properties

Bolt Data

(28) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 39" BC

Top Plate Data

42" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(14) 5"H x 3"W x 0.625"T, Notch: 0.75"

plate: Fy= 36 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.3125" fillet

vert. weld: 0.3125" fillet

Top Pole Data

36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(3) Bolted, 4.5"x1", A572-65, Lu=20", Neglect Flange in MOI: No

Bottom Plate Data

36" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	18.43
Allowable (kips)	54.53
Stress Rating:	32.2% Pass

Top Plate Capacity

Max Stress (ksi):	12.28	(Flexural (b/Le>2))
Allowable Stress (ksi):	32.40	
Stress Rating:	36.1%	Pass
Tension Side Stress Rating:	12.3%	Pass

Top Stiffener Capacity

Horizontal Weld:	51.2%	Pass
Vertical Weld:	32.9%	Pass
Plate Flexure+Shear:	22.0%	Pass
Plate Tension+Shear:	37.7%	Pass
Plate Compression:	48.9%	Pass

Top Pole Capacity

Punching Shear:	16.8%	Pass
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Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	159.49	
Max Tension (kip):	159.49	
Comp. Capacity (kip):	166.81	
Tens. Capacity (kip):	195.00	(Rupture)
Comp. Stress Rating:	91.1%	Pass
Tens. Stress Rating:	77.9%	Pass

Bottom Plate Capacity

Max Stress (ksi):	12.77	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	37.5%	Pass
Tension Side Stress Rating:	N/A	

Bottom Stiffener Capacity

Horizontal Weld:	N/A
Vertical Weld:	N/A
Plate Flexure+Shear:	N/A
Plate Tension+Shear:	N/A
Plate Compression:	N/A

Bottom Pole Capacity

Punching Shear:	N/A
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Monopole Flange Plate Connection

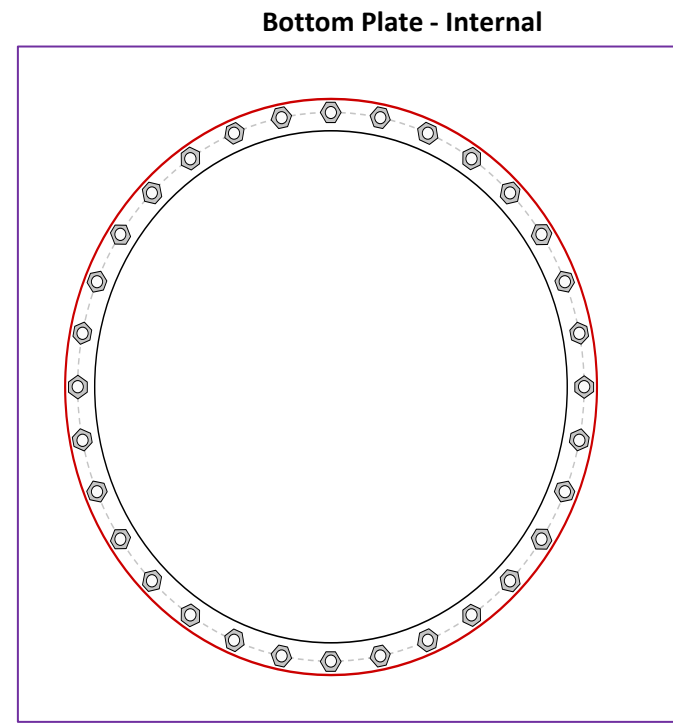
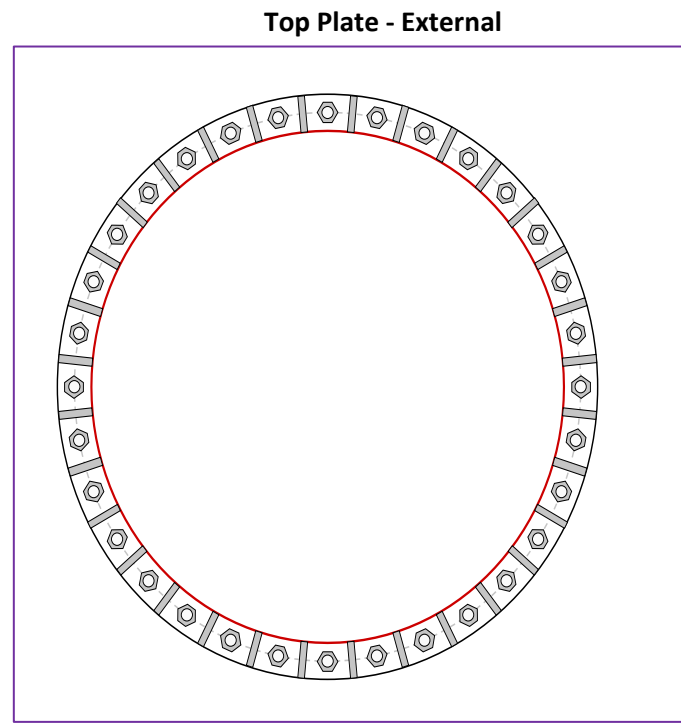
Elevation = 100.917 ft.



BU #	826217
Site Name	Newington_1
Order #	654632 Rev.0
TIA-222 Revision	H

Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	506.47	Moment (kip-ft)	836.10
Axial Force (kips)	36.12	Axial Force (kips)	0.00
Shear Force (kips)	24.82	Shear Force (kips)	0.00

*TIA-222-H Section 15.5 Applied



Connection Properties

Bolt Data

(32) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 45" BC

Top Plate Data

48" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(32) 5"H x 3"W x 0.625"T, Notch: 0.75"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Top Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(6) Bolted, 4.5"x1", A572-65, Lu=20", Neglect Flange in MOI: No

Bottom Plate Data

42" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	15.75
Allowable (kips)	54.53
Stress Rating:	27.5% Pass

Top Plate Capacity

Max Stress (ksi):	10.67	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	31.4%	Pass
Tension Side Stress Rating:	N/A	

Top Stiffener Capacity

Horizontal Weld:	32.2%	Pass
Vertical Weld:	20.7%	Pass
Plate Flexure+Shear:	12.3%	Pass
Plate Tension+Shear:	22.1%	Pass
Plate Compression:	30.7%	Pass

Top Pole Capacity

Punching Shear:	10.5%	Pass
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Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	136.51
Max Tension (kip):	136.51
Comp. Capacity (kip):	166.81
Tens. Capacity (kip):	195.00 (Rupture)
Comp. Stress Rating:	77.9% Pass
Tens. Stress Rating:	66.7% Pass

Bottom Plate Capacity

Max Stress (ksi):	11.18	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	32.9%	Pass
Tension Side Stress Rating:	N/A	

Bottom Stiffener Capacity

Horizontal Weld:	N/A
Vertical Weld:	N/A
Plate Flexure+Shear:	N/A
Plate Tension+Shear:	N/A
Plate Compression:	N/A

Bottom Pole Capacity

Punching Shear:	N/A
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Monopole Flange Plate Connection

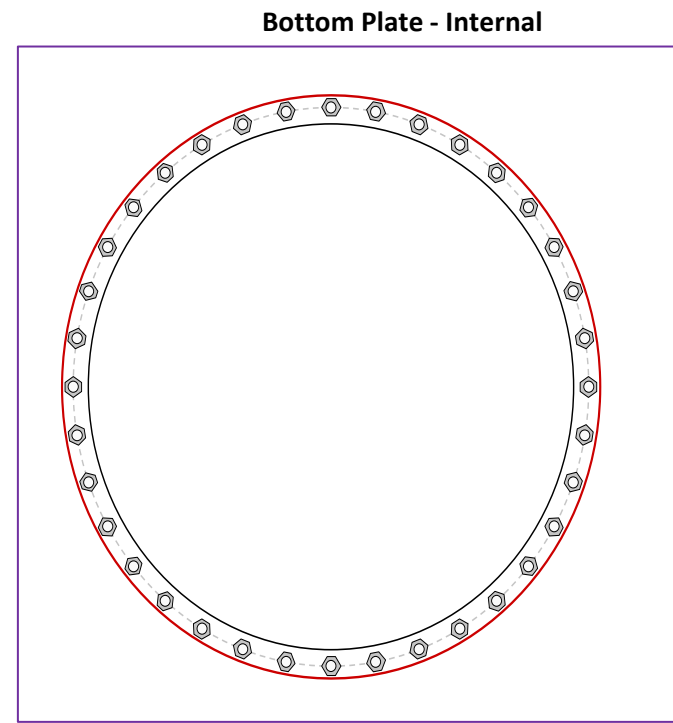
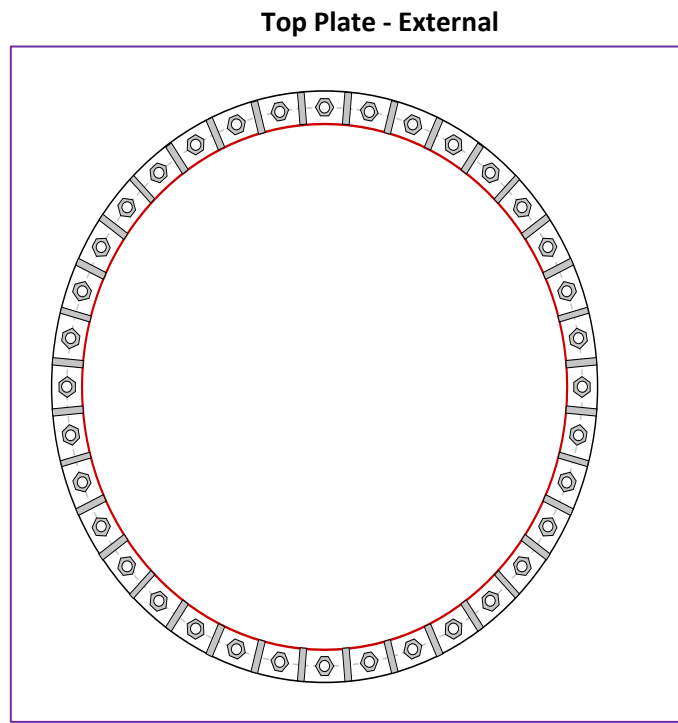
Elevation = 80.833 ft.



BU #	826217
Site Name	Newington_1
Order #	654632 Rev.0
TIA-222 Revision	H

Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	615.77	Moment (kip-ft)	1250.60
Axial Force (kips)	45.85	Axial Force (kips)	0.00
Shear Force (kips)	27.88	Shear Force (kips)	0.00

*TIA-222-H Section 15.5 Applied



Connection Properties

Bolt Data

(36) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 51" BC

Top Plate Data

54" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(36) 5"H x 3"W x 0.625"T, Notch: 0.75"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Top Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(3) Bolted, 4.5"x1", A572-65, Lu=20", Neglect Flange in MOI: No

Bottom Plate Data

48" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 2 Data

(3) Bolted, 6.5"x1.25", A572-65, Lu=19", Neglect Flange in MOI: No

Analysis Results

Bolt Capacity

Max Load (kips)	14.82
Allowable (kips)	54.53
Stress Rating:	25.9% Pass

Top Plate Capacity

Max Stress (ksi):	10.28	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	30.2%	Pass
Tension Side Stress Rating:	N/A	

Top Stiffener Capacity

Horizontal Weld:	30.5%	Pass
Vertical Weld:	19.6%	Pass
Plate Flexure+Shear:	11.6%	Pass
Plate Tension+Shear:	20.8%	Pass
Plate Compression:	29.1%	Pass

Top Pole Capacity

Punching Shear:	10.0%	Pass
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Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	128.92
Max Tension (kip):	128.92
Comp. Capacity (kip):	166.81
Tens. Capacity (kip):	195.00 (Rupture)
Comp. Stress Rating:	73.6% Pass
Tens. Stress Rating:	63.0% Pass

Bottom Plate Capacity

Max Stress (ksi):	10.77	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	31.6%	Pass
Tension Side Stress Rating:	N/A	

Bottom Stiffener Capacity

Horizontal Weld:	N/A
Vertical Weld:	N/A
Plate Flexure+Shear:	N/A
Plate Tension+Shear:	N/A
Plate Compression:	N/A

Bottom Pole Capacity

Punching Shear:	N/A
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Bridge Stiffener Group 2 Analysis Capacity

Max Compression (kip):	233.83
Max Tension (kip):	233.83
Comp. Capacity (kip):	365.20
Tens. Capacity (kip):	393.75 (Rupture)
Comp. Stress Rating:	61.0% Pass
Tens. Stress Rating:	56.6% Pass

Monopole Flange Plate Connection

Elevation = 60.583 ft.



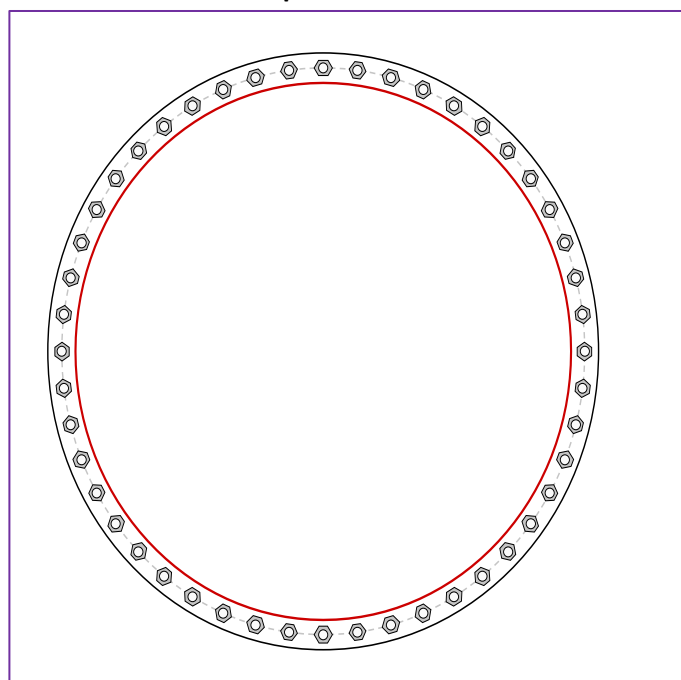
BU #	826217
Site Name	Newington_1
Order #	654632 Rev.0

TIA-222 Revision	H
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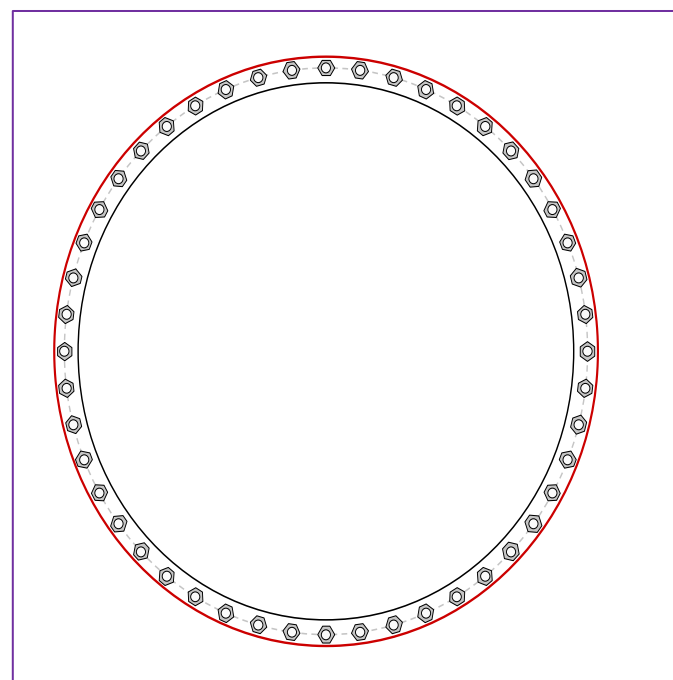
Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	583.74	Moment (kip-ft)	1890.93
Axial Force (kips)	63.49	Axial Force (kips)	0.00
Shear Force (kips)	32.60	Shear Force (kips)	0.00

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(48) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 57" BC

Top Plate Data

60" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Top Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(4) Bolted, 4.5"x1", A572-65, Lu=20", Neglect Flange in MOI: No

Bottom Plate Data

54" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 2 Data

(6) Bolted, 8.5"x1.25", A572-65, Lu=16.5", Neglect Flange in MOI: No

Analysis Results

Bolt Capacity

Max Load (kips)	8.92
Allowable (kips)	54.53
Stress Rating:	15.6% Pass

Top Plate Capacity

Max Stress (ksi):	8.14	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	23.9%	Pass
Tension Side Stress Rating:	6.9%	Pass

Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	81.38
Max Tension (kip):	81.38
Comp. Capacity (kip):	166.81
Tens. Capacity (kip):	195.00 (Rupture)
Comp. Stress Rating:	46.5% Pass
Tens. Stress Rating:	39.7% Pass

Bottom Plate Capacity

Max Stress (ksi):	8.59	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	25.2%	Pass
Tension Side Stress Rating:	N/A	

Bridge Stiffener Group 2 Analysis Capacity

Max Compression (kip):	192.94
Max Tension (kip):	192.94
Comp. Capacity (kip):	509.53
Tens. Capacity (kip):	543.75 (Rupture)
Comp. Stress Rating:	36.1% Pass
Tens. Stress Rating:	33.8% Pass

Monopole Flange Plate Connection

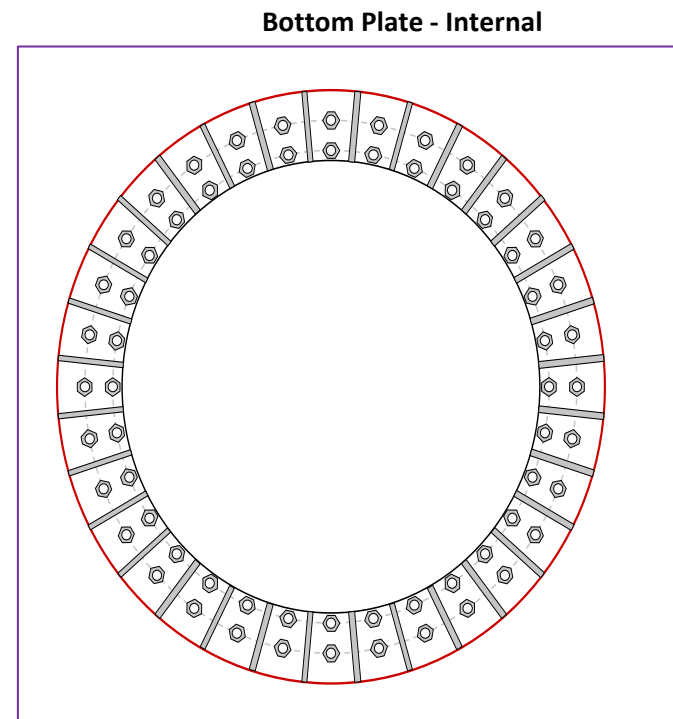
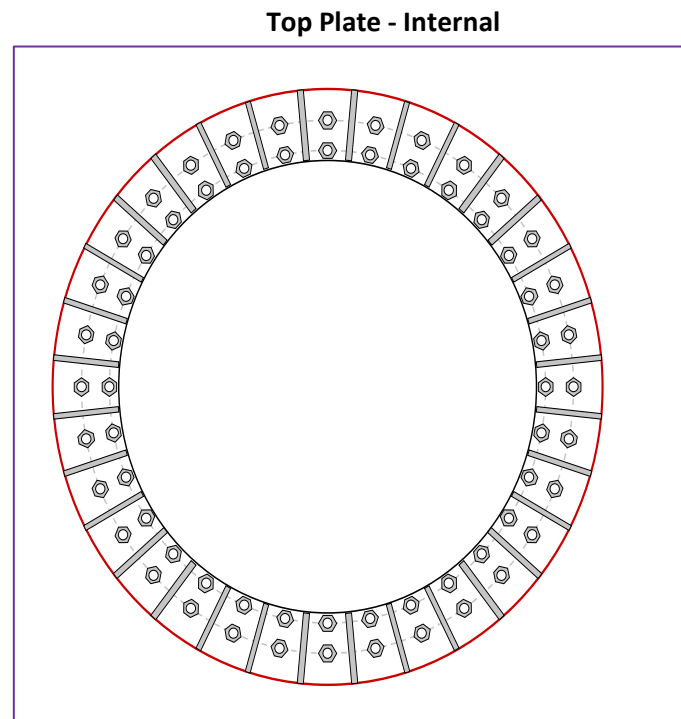
Elevation = 40.333 ft.



BU #	826217
Site Name	Newington_1
Order #	654632 Rev.0
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Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	835.04	Moment (kip-ft)	2335.79
Axial Force (kips)	76.79	Axial Force (kips)	0.00
Shear Force (kips)	35.86	Shear Force (kips)	0.00

*TIA-222-H Section 15.5 Applied



Connection Properties

Bolt Data

GROUP 1: (32) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 53" BC
 GROUP 2: (32) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

45" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Top Pole Data

60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(4) Bolted, 6"x1", A572-65, Lu=16", Neglect Flange in MOI: No

Bottom Plate Data

45" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Bottom Pole Data

60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 2 Data

(6) Bolted, 6.5"x1.25", A572-65, Lu=25", Neglect Flange in MOI: No

Analysis Results

Bolt Capacity

Max Load (kips) 11.73
 Allowable (kips) 54.54
 Stress Rating: **20.5%** Pass

Top Plate Capacity

Max Stress (ksi): 7.92 (Roark's Flexural)
 Allowable Stress (ksi): 32.40
 Stress Rating: **23.3%** Pass
 Tension Side Stress Rating: N/A

Top Stiffener Capacity

Horizontal Weld: **18.8%** Pass
 Vertical Weld: **16.5%** Pass
 Plate Flexure+Shear: **9.7%** Pass
 Plate Tension+Shear: **12.2%** Pass
 Plate Compression: **27.1%** Pass

Top Pole Capacity

Punching Shear: **8.8%** Pass

Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip): 150.76
 Max Tension (kip): 150.76
 Comp. Capacity (kip): 262.12
 Tens. Capacity (kip): 285.00 (Rupture)
 Comp. Stress Rating: **54.8%** Pass
 Tens. Stress Rating: **50.4%** Pass

Bottom Plate Capacity

Max Stress (ksi): 8.05 (Roark's Flexural)
 Allowable Stress (ksi): 32.40
 Stress Rating: **23.7%** Pass
 Tension Side Stress Rating: N/A

Bottom Stiffener Capacity

Horizontal Weld: **16.6%** Pass
 Vertical Weld: **14.5%** Pass
 Plate Flexure+Shear: **8.4%** Pass
 Plate Tension+Shear: **10.7%** Pass
 Plate Compression: **23.9%** Pass

Bottom Pole Capacity

Punching Shear: **5.9%** Pass

Bridge Stiffener Group 2 Analysis Capacity

Max Compression (kip): 204.99
 Max Tension (kip): 204.99
 Comp. Capacity (kip): 301.18
 Tens. Capacity (kip): 393.75 (Rupture)
 Comp. Stress Rating: **64.8%** Pass
 Tens. Stress Rating: **49.6%** Pass

Elevation (ft) 40.333 (Flange)

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	No	No	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, n _t	L _w (in)	Thread Type	Area Override, in ²	Tension Only
1	1	0	1	A325	53	0.5	0	N-Included		No
2	1	11.25	1	A325	53	0.5	0	N-Included		No
3	1	22.5	1	A325	53	0.5	0	N-Included		No
4	1	33.75	1	A325	53	0.5	0	N-Included		No
5	1	45	1	A325	53	0.5	0	N-Included		No
6	1	56.25	1	A325	53	0.5	0	N-Included		No
7	1	67.5	1	A325	53	0.5	0	N-Included		No
8	1	78.75	1	A325	53	0.5	0	N-Included		No
9	1	90	1	A325	53	0.5	0	N-Included		No
10	1	101.25	1	A325	53	0.5	0	N-Included		No
11	1	112.5	1	A325	53	0.5	0	N-Included		No
12	1	123.75	1	A325	53	0.5	0	N-Included		No
13	1	135	1	A325	53	0.5	0	N-Included		No
14	1	146.25	1	A325	53	0.5	0	N-Included		No
15	1	157.5	1	A325	53	0.5	0	N-Included		No
16	1	168.75	1	A325	53	0.5	0	N-Included		No
17	1	180	1	A325	53	0.5	0	N-Included		No
18	1	191.25	1	A325	53	0.5	0	N-Included		No
19	1	202.5	1	A325	53	0.5	0	N-Included		No
20	1	213.75	1	A325	53	0.5	0	N-Included		No
21	1	225	1	A325	53	0.5	0	N-Included		No
22	1	236.25	1	A325	53	0.5	0	N-Included		No
23	1	247.5	1	A325	53	0.5	0	N-Included		No
24	1	258.75	1	A325	53	0.5	0	N-Included		No
25	1	270	1	A325	53	0.5	0	N-Included		No
26	1	281.25	1	A325	53	0.5	0	N-Included		No
27	1	292.5	1	A325	53	0.5	0	N-Included		No
28	1	303.75	1	A325	53	0.5	0	N-Included		No
29	1	315	1	A325	53	0.5	0	N-Included		No
30	1	326.25	1	A325	53	0.5	0	N-Included		No
31	1	337.5	1	A325	53	0.5	0	N-Included		No
32	1	348.75	1	A325	53	0.5	0	N-Included		No
33	2	0	1	A325	47	0.5	0	N-Included		No
34	2	11.25	1	A325	47	0.5	0	N-Included		No
35	2	22.5	1	A325	47	0.5	0	N-Included		No
36	2	33.75	1	A325	47	0.5	0	N-Included		No
37	2	45	1	A325	47	0.5	0	N-Included		No
38	2	56.25	1	A325	47	0.5	0	N-Included		No
39	2	67.5	1	A325	47	0.5	0	N-Included		No
40	2	78.75	1	A325	47	0.5	0	N-Included		No
41	2	90	1	A325	47	0.5	0	N-Included		No
42	2	101.25	1	A325	47	0.5	0	N-Included		No
43	2	112.5	1	A325	47	0.5	0	N-Included		No
44	2	123.75	1	A325	47	0.5	0	N-Included		No
45	2	135	1	A325	47	0.5	0	N-Included		No
46	2	146.25	1	A325	47	0.5	0	N-Included		No
47	2	157.5	1	A325	47	0.5	0	N-Included		No
48	2	168.75	1	A325	47	0.5	0	N-Included		No
49	2	180	1	A325	47	0.5	0	N-Included		No
50	2	191.25	1	A325	47	0.5	0	N-Included		No
51	2	202.5	1	A325	47	0.5	0	N-Included		No
52	2	213.75	1	A325	47	0.5	0	N-Included		No
53	2	225	1	A325	47	0.5	0	N-Included		No
54	2	236.25	1	A325	47	0.5	0	N-Included		No
55	2	247.5	1	A325	47	0.5	0	N-Included		No
56	2	258.75	1	A325	47	0.5	0	N-Included		No
57	2	270	1	A325	47	0.5	0	N-Included		No
58	2	281.25	1	A325	47	0.5	0	N-Included		No
59	2	292.5	1	A325	47	0.5	0	N-Included		No
60	2	303.75	1	A325	47	0.5	0	N-Included		No
61	2	315	1	A325	47	0.5	0	N-Included		No
62	2	326.25	1	A325	47	0.5	0	N-Included		No
63	2	337.5	1	A325	47	0.5	0	N-Included		No
64	2	348.75	1	A325	47	0.5	0	N-Included		No

Custom Stiffener Connection - Top Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70

Custom Stiffener Connection - Bottom Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet					

Monopole Flange Plate Connection

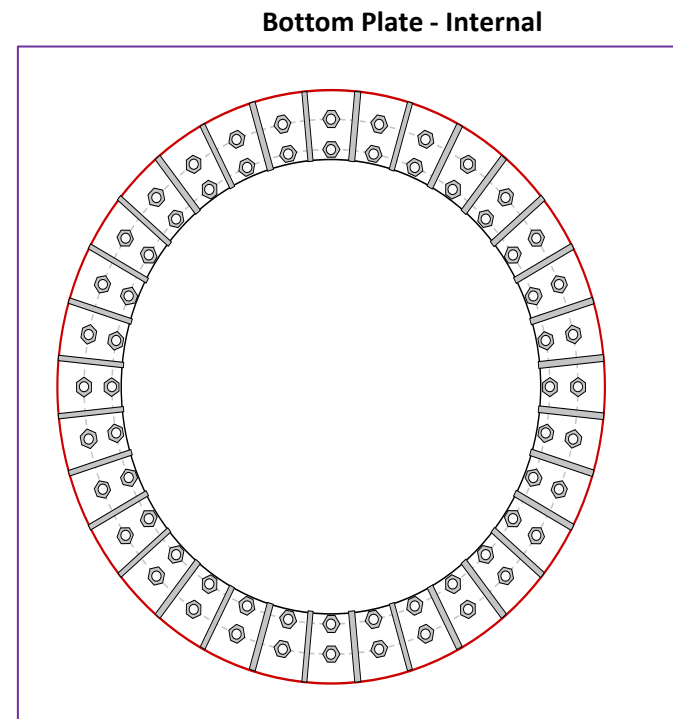
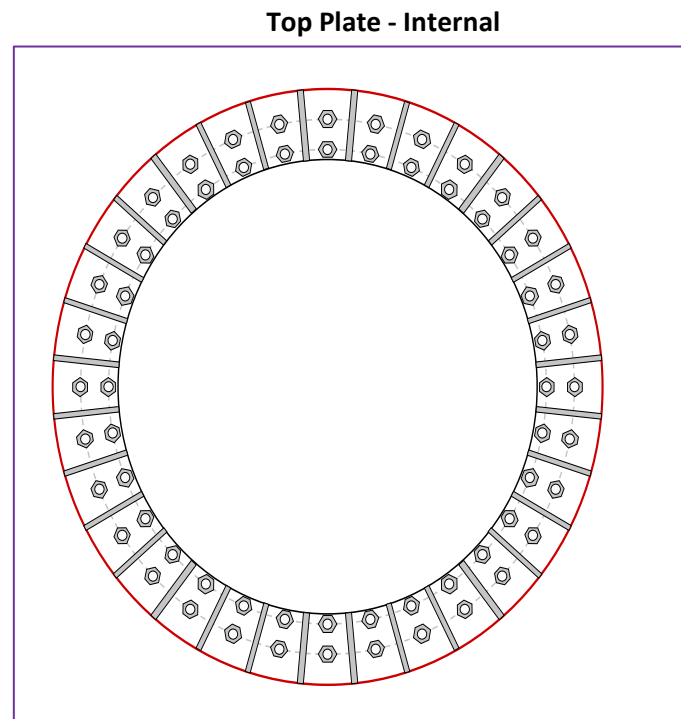
Elevation = 20.083 ft.



BU #	826217
Site Name	Newington_1
Order #	654632 Rev.0
TIA-222 Revision	H

Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	1033.76	Moment (kip-ft)	2891.63
Axial Force (kips)	90.88	Axial Force (kips)	0.00
Shear Force (kips)	38.91	Shear Force (kips)	0.00

*TIA-222-H Section 15.5 Applied



Connection Properties

Bolt Data

GROUP 1: (32) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 53" BC
 GROUP 2: (32) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

45" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Top Pole Data

60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(6) Bolted, 6.5"x1.25", A572-65, Lu=24", Neglect Flange in MOI: No

Bottom Plate Data

45" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Bottom Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 2 Data

(4) Bolted, 6"x1", A572-65, Lu=16", Neglect Flange in MOI: No

Analysis Results

Bolt Capacity

Max Load (kips) 14.52
 Allowable (kips) 54.54
 Stress Rating: **25.4%** Pass

Top Plate Capacity

Max Stress (ksi): 9.93 (Roark's Flexural)
 Allowable Stress (ksi): 32.40
 Stress Rating: **29.2%** Pass
 Tension Side Stress Rating: **N/A**

Top Stiffener Capacity

Horizontal Weld: **20.5%** Pass
 Vertical Weld: **17.9%** Pass
 Plate Flexure+Shear: **10.7%** Pass
 Plate Tension+Shear: **13.4%** Pass
 Plate Compression: **29.5%** Pass

Top Pole Capacity

Punching Shear: **7.2%** Pass

Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip): 253.77
 Max Tension (kip): 253.77
 Comp. Capacity (kip): 312.15
 Tens. Capacity (kip): 393.75 (Rupture)
 Comp. Stress Rating: **77.4%** Pass
 Tens. Stress Rating: **61.4%** Pass

Bottom Plate Capacity

Max Stress (ksi): 10.10 (Roark's Flexural)
 Allowable Stress (ksi): 32.40
 Stress Rating: **29.7%** Pass
 Tension Side Stress Rating: **N/A**

Bottom Stiffener Capacity

Horizontal Weld: **18.4%** Pass
 Vertical Weld: **15.7%** Pass
 Plate Flexure+Shear: **9.1%** Pass
 Plate Tension+Shear: **12.0%** Pass
 Plate Compression: **26.1%** Pass

Bottom Pole Capacity

Punching Shear: **5.0%** Pass

Bridge Stiffener Group 2 Analysis Capacity

Max Compression (kip): 186.63
 Max Tension (kip): 186.63
 Comp. Capacity (kip): 262.12
 Tens. Capacity (kip): 285.00 (Rupture)
 Comp. Stress Rating: **67.8%** Pass
 Tens. Stress Rating: **62.4%** Pass

Elevation (ft) 20.083 (Flange)

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	No	No	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, n _t	L _w (in)	Thread Type	Area Override, in ²	Tension Only
1	1	0	1	A325	53	0.5	0	N-Included		No
2	1	11.25	1	A325	53	0.5	0	N-Included		No
3	1	22.5	1	A325	53	0.5	0	N-Included		No
4	1	33.75	1	A325	53	0.5	0	N-Included		No
5	1	45	1	A325	53	0.5	0	N-Included		No
6	1	56.25	1	A325	53	0.5	0	N-Included		No
7	1	67.5	1	A325	53	0.5	0	N-Included		No
8	1	78.75	1	A325	53	0.5	0	N-Included		No
9	1	90	1	A325	53	0.5	0	N-Included		No
10	1	101.25	1	A325	53	0.5	0	N-Included		No
11	1	112.5	1	A325	53	0.5	0	N-Included		No
12	1	123.75	1	A325	53	0.5	0	N-Included		No
13	1	135	1	A325	53	0.5	0	N-Included		No
14	1	146.25	1	A325	53	0.5	0	N-Included		No
15	1	157.5	1	A325	53	0.5	0	N-Included		No
16	1	168.75	1	A325	53	0.5	0	N-Included		No
17	1	180	1	A325	53	0.5	0	N-Included		No
18	1	191.25	1	A325	53	0.5	0	N-Included		No
19	1	202.5	1	A325	53	0.5	0	N-Included		No
20	1	213.75	1	A325	53	0.5	0	N-Included		No
21	1	225	1	A325	53	0.5	0	N-Included		No
22	1	236.25	1	A325	53	0.5	0	N-Included		No
23	1	247.5	1	A325	53	0.5	0	N-Included		No
24	1	258.75	1	A325	53	0.5	0	N-Included		No
25	1	270	1	A325	53	0.5	0	N-Included		No
26	1	281.25	1	A325	53	0.5	0	N-Included		No
27	1	292.5	1	A325	53	0.5	0	N-Included		No
28	1	303.75	1	A325	53	0.5	0	N-Included		No
29	1	315	1	A325	53	0.5	0	N-Included		No
30	1	326.25	1	A325	53	0.5	0	N-Included		No
31	1	337.5	1	A325	53	0.5	0	N-Included		No
32	1	348.75	1	A325	53	0.5	0	N-Included		No
33	2	0	1	A325	47	0.5	0	N-Included		No
34	2	11.25	1	A325	47	0.5	0	N-Included		No
35	2	22.5	1	A325	47	0.5	0	N-Included		No
36	2	33.75	1	A325	47	0.5	0	N-Included		No
37	2	45	1	A325	47	0.5	0	N-Included		No
38	2	56.25	1	A325	47	0.5	0	N-Included		No
39	2	67.5	1	A325	47	0.5	0	N-Included		No
40	2	78.75	1	A325	47	0.5	0	N-Included		No
41	2	90	1	A325	47	0.5	0	N-Included		No
42	2	101.25	1	A325	47	0.5	0	N-Included		No
43	2	112.5	1	A325	47	0.5	0	N-Included		No
44	2	123.75	1	A325	47	0.5	0	N-Included		No
45	2	135	1	A325	47	0.5	0	N-Included		No
46	2	146.25	1	A325	47	0.5	0	N-Included		No
47	2	157.5	1	A325	47	0.5	0	N-Included		No
48	2	168.75	1	A325	47	0.5	0	N-Included		No
49	2	180	1	A325	47	0.5	0	N-Included		No
50	2	191.25	1	A325	47	0.5	0	N-Included		No
51	2	202.5	1	A325	47	0.5	0	N-Included		No
52	2	213.75	1	A325	47	0.5	0	N-Included		No
53	2	225	1	A325	47	0.5	0	N-Included		No
54	2	236.25	1	A325	47	0.5	0	N-Included		No
55	2	247.5	1	A325	47	0.5	0	N-Included		No
56	2	258.75	1	A325	47	0.5	0	N-Included		No
57	2	270	1	A325	47	0.5	0	N-Included		No
58	2	281.25	1	A325	47	0.5	0	N-Included		No
59	2	292.5	1	A325	47	0.5	0	N-Included		No
60	2	303.75	1	A325	47	0.5	0	N-Included		No
61	2	315	1	A325	47	0.5	0	N-Included		No
62	2	326.25	1	A325	47	0.5	0	N-Included		No
63	2	337.5	1	A325	47	0.5	0	N-Included		No
64	2	348.75	1	A325	47	0.5	0	N-Included		No

Custom Stiffener Connection - Top Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70

Custom Stiffener Connection - Bottom Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.3125	0.3125	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet					

Monopole Base Plate Connection

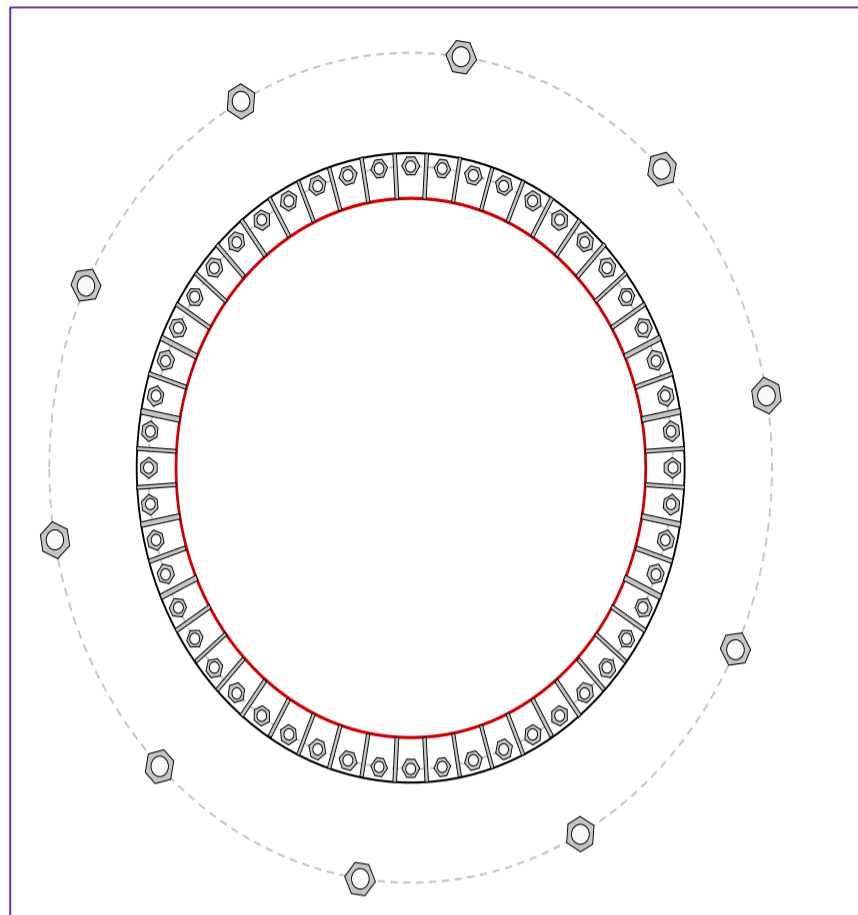


Site Info	
BU #	826217
Site Name	Newington_1
Order #	654632 Rev.0

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

Applied Loads	
Moment (kip-ft)	4731.62
Axial Force (kips)	104.85
Shear Force (kips)	41.30

*TIA-222-H Section 15.5 Applied



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

Anchor Rod Data
 GROUP 1: (52) 1-1/4" ϕ bolts (A687 N; $F_y=105$ ksi, $F_u=125$ ksi) on 67" BC
 GROUP 2: (10) 2-1/4" ϕ bolts (A687 N; $F_y=105$ ksi, $F_u=125$ ksi) on 92.3" BC

Base Plate Data
 70" OD x 1.25" Plate (A36; $F_y=36$ ksi, $F_u=58$ ksi)

Stiffener Data
 (52) 6"H x 5"W x 0.5"T, Notch: 0.5"
 plate: $F_y=36$ ksi ; weld: $F_y=70$ ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Pole Data
 60" x 0.625" round pole (A53-B-42; $F_y=42$ ksi, $F_u=63$ ksi)

Anchor Rod Summary (units of kips, kip-in)
 GROUP 1:
 $P_{u,t} = 28.08$ $\phi P_{n,t} = 90.84$ **Stress Rating**
 $V_u = 0.48$ $\phi V_n = 57.52$ **29.4%**
 $M_u = n/a$ $\phi M_n = n/a$ **Pass**

GROUP 2:
 $P_{u,t} = 131.29$ $\phi P_{n,t} = 304.69$ **Stress Rating**
 $V_u = 1.62$ $\phi V_n = 186.38$ **41.0%**
 $M_u = n/a$ $\phi M_n = n/a$ **Pass**

Base Plate Summary
 Max Stress (ksi): 2.44 (Shear)
 Allowable Stress (ksi): 21.6
 Stress Rating: **10.8%** **Pass**

Stiffener Summary
 Horizontal Weld: **32.2%** **Pass**
 Vertical Weld: **35.0%** **Pass**
 Plate Flexure+Shear: **31.8%** **Pass**
 Plate Tension+Shear: **28.6%** **Pass**
 Plate Compression: **69.9%** **Pass**

Pole Summary
 Punching Shear: **12.1%** **Pass**

Elevation (ft) 0 (Base)

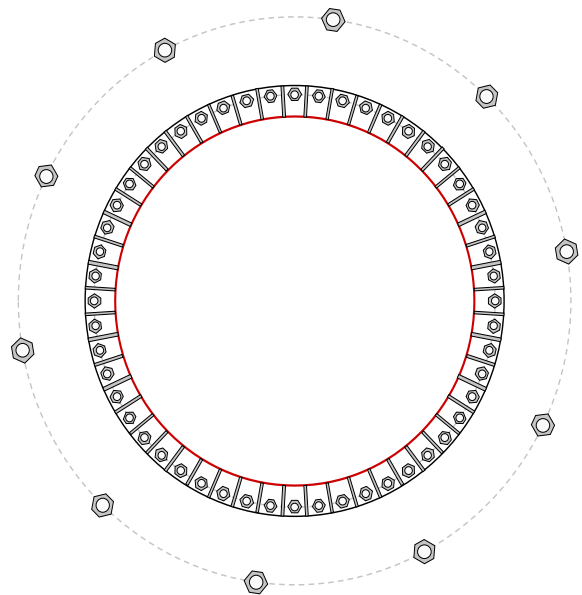
note: Bending interaction not considered when Grout Considered = "Yes"

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

Custom Bolt Connection										
Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, n:	I_w (in)	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A687	67	0.55	0	N-Included		No
2	1	6.92307692	1.25	A687	67	0.55	0	N-Included		No
3	1	13.8461538	1.25	A687	67	0.55	0	N-Included		No
4	1	20.7692308	1.25	A687	67	0.55	0	N-Included		No
5	1	27.6923077	1.25	A687	67	0.55	0	N-Included		No
6	1	34.6153846	1.25	A687	67	0.55	0	N-Included		No
7	1	41.5384615	1.25	A687	67	0.55	0	N-Included		No
8	1	48.4615385	1.25	A687	67	0.55	0	N-Included		No
9	1	55.3846154	1.25	A687	67	0.55	0	N-Included		No
10	1	62.3076923	1.25	A687	67	0.55	0	N-Included		No
11	1	69.2307692	1.25	A687	67	0.55	0	N-Included		No
12	1	76.1538462	1.25	A687	67	0.55	0	N-Included		No
13	1	83.0769231	1.25	A687	67	0.55	0	N-Included		No
14	1	90	1.25	A687	67	0.55	0	N-Included		No
15	1	96.9230769	1.25	A687	67	0.55	0	N-Included		No
16	1	103.846154	1.25	A687	67	0.55	0	N-Included		No
17	1	110.769231	1.25	A687	67	0.55	0	N-Included		No
18	1	117.692308	1.25	A687	67	0.55	0	N-Included		No
19	1	124.615385	1.25	A687	67	0.55	0	N-Included		No
20	1	131.538462	1.25	A687	67	0.55	0	N-Included		No
21	1	138.461538	1.25	A687	67	0.55	0	N-Included		No
22	1	145.384615	1.25	A687	67	0.55	0	N-Included		No
23	1	152.307692	1.25	A687	67	0.55	0	N-Included		No
24	1	159.230769	1.25	A687	67	0.55	0	N-Included		No
25	1	166.153846	1.25	A687	67	0.55	0	N-Included		No
26	1	173.076923	1.25	A687	67	0.55	0	N-Included		No
27	1	180	1.25	A687	67	0.55	0	N-Included		No
28	1	186.923077	1.25	A687	67	0.55	0	N-Included		No
29	1	193.846154	1.25	A687	67	0.55	0	N-Included		No
30	1	200.769231	1.25	A687	67	0.55	0	N-Included		No
31	1	207.692308	1.25	A687	67	0.55	0	N-Included		No
32	1	214.615385	1.25	A687	67	0.55	0	N-Included		No
33	1	221.538462	1.25	A687	67	0.55	0	N-Included		No
34	1	228.461538	1.25	A687	67	0.55	0	N-Included		No
35	1	235.384615	1.25	A687	67	0.55	0	N-Included		No
36	1	242.307692	1.25	A687	67	0.55	0	N-Included		No
37	1	249.230769	1.25	A687	67	0.55	0	N-Included		No
38	1	256.153846	1.25	A687	67	0.55	0	N-Included		No
39	1	263.076923	1.25	A687	67	0.55	0	N-Included		No
40	1	270	1.25	A687	67	0.55	0	N-Included		No
41	1	276.923077	1.25	A687	67	0.55	0	N-Included		No
42	1	283.846154	1.25	A687	67	0.55	0	N-Included		No
43	1	290.769231	1.25	A687	67	0.55	0	N-Included		No
44	1	297.692308	1.25	A687	67	0.55	0	N-Included		No
45	1	304.615385	1.25	A687	67	0.55	0	N-Included		No
46	1	311.538462	1.25	A687	67	0.55	0	N-Included		No
47	1	318.461538	1.25	A687	67	0.55	0	N-Included		No
48	1	325.384615	1.25	A687	67	0.55	0	N-Included		No
49	1	332.307692	1.25	A687	67	0.55	0	N-Included		No
50	1	339.230769	1.25	A687	67	0.55	0	N-Included		No
51	1	346.153846	1.25	A687	67	0.55	0	N-Included		No
52	1	353.076923	1.25	A687	67	0.55	0	N-Included		No
53	2	10	2.25	A687	92.3	0.5	0	N-Included		No
54	2	46	2.25	A687	92.3	0.5	0	N-Included		No
55	2	82	2.25	A687	92.3	0.5	0	N-Included		No
56	2	118	2.25	A687	92.3	0.5	0	N-Included		No
57	2	154	2.25	A687	92.3	0.5	0	N-Included		No
58	2	190	2.25	A687	92.3	0.5	0	N-Included		No
59	2	226	2.25	A687	92.3	0.5	0	N-Included		No
60	2	262	2.25	A687	92.3	0.5	0	N-Included		No
61	2	298	2.25	A687	92.3	0.5	0	N-Included		No
62	2	334	2.25	A687	92.3	0.5	0	N-Included		No

Custom Stiffener Connection														
Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	3.46153846	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
2	1	10.3846154	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
3	1	17.3076923	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
4	1	24.2307692	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
5	1	31.1538462	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
6	1	38.0769231	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
7	1	45	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
8	1	51.9230769	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
9	1	58.8461538	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
10	1	65.7692308	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
11	1	72.6923077	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
12	1	79.6153846	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
13	1	86.5384615	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
14	1	93.4615385	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
15	1	100.384615	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
16	1	107.307692	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
17	1	114.230769	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
18	1	121.153846	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
19	1	128.076923	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
20	1	135	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
21	1	141.923077	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
22	1	148.846154	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
23	1	155.769231	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
24	1	162.692308	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
25	1	169.615385	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
26	1	176.538462	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
27	1	183.461538	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
28	1	190.384615	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
29	1	197.307692	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
30	1	204.230769	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
31	1	211.153846	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
32	1	218.076923	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
33	1	225	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
34	1	231.923077	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
35	1	238.846154	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
36	1	245.769231	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
37	1	252.692308	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
38	1	259.615385	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
39	1	266.538462	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
40	1	273.461538	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
41	1	280.384615	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
42	1	287.307692	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
43	1	294.230769	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
44	1	301.153846	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
45	1	308.076923	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
46	1	315	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
47	1	321.923077	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
48	1	328.846154	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
49	1	335.769231	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
50	1	342.692308	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
51	1	349.615385	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70
52	1	356.538462	5	6	0.5	0.5	0.5	36	Fillet			0.3125	0.3125	70

Plot Graphic



Pier and Pad Foundation



BU #: 826217
Site Name: Newington_1
App. Number: 654632 Rev.0

TIA-222 Revision: H
Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	104.86	kips
Base Shear, Vu_{comp} :	41.28	kips
Moment, M_u :	4731.62	ft-kips
Tower Height, H :	191.67	ft
BP Dist. Above Fdn, bp_{dist} :	2.5	in

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
<i>Lateral (Sliding) (kips)</i>	333.76	41.28	11.8%	Pass
<i>Bearing Pressure (ksf)</i>	12.00	5.78	48.1%	Pass
<i>Overtuning (kip*ft)</i>	6364.96	5132.38	80.6%	Pass
<i>Pier Flexure (Comp.) (kip*ft)</i>	5676.33	5020.58	84.2%	Pass
<i>Pier Compression (kip)</i>	24494.62	153.35	0.6%	Pass
<i>Pad Flexure (kip*ft)</i>	4887.26	2704.47	52.7%	Pass
<i>Pad Shear - 1-way (kips)</i>	580.76	441.92	72.5%	Pass
<i>Pad Shear - 2-way (Comp) (ksi)</i>	0.190	0.000	0.0%	Pass
<i>Flexural 2-way (Comp) (kip*ft)</i>	6892.45	3012.35	41.6%	Pass

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, $dpier$:	7	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, Sc :	9	
Pier Rebar Quantity, mc :	34	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	11	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

*Rating per TIA-222-H Section 15.5

Structural Rating*:	84.2%
Soil Rating*:	80.6%

Pad Properties		
Depth, D :	9	ft
Pad Width, W_1 :	20.5	ft
Pad Thickness, T :	2.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	11	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	30	
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 :	130	pcf
Ultimate Gross Bearing, Q_{ult} :	16.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	36	degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :	0.35	
Neglected Depth, N :	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	N/A	ft

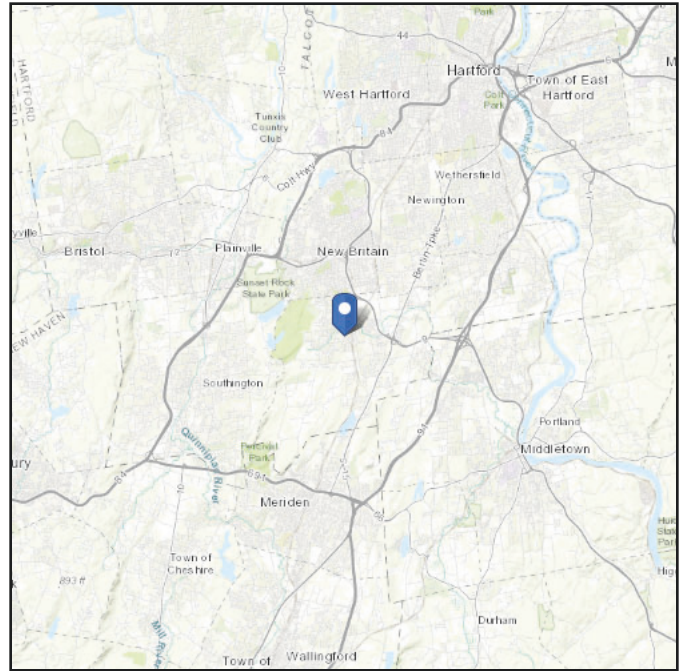
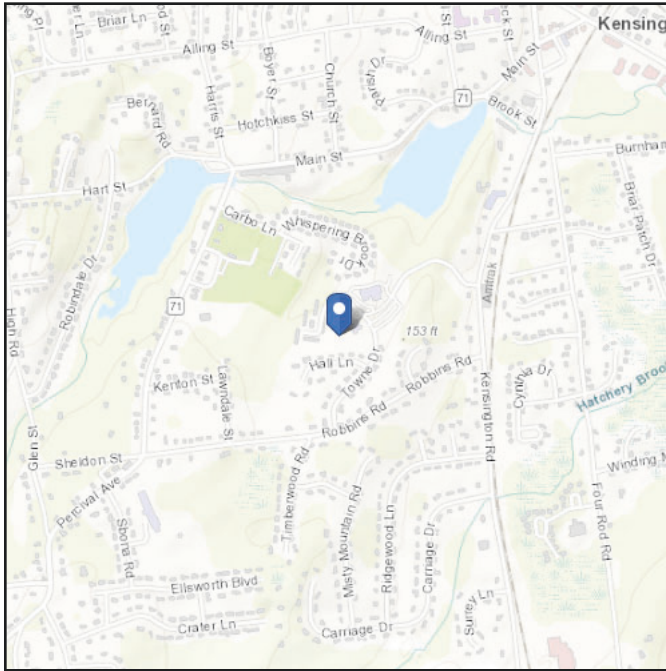
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ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 133.49 ft (NAVD 88)
Latitude: 41.626194
Longitude: -72.775647



Wind

Results:

Wind Speed	118 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	98 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jul 08 2022

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

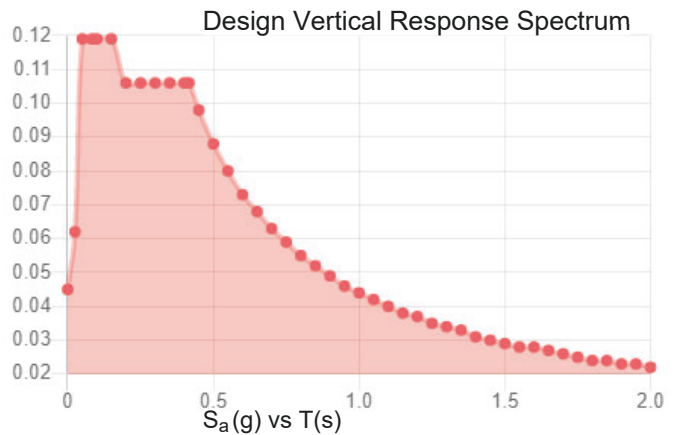
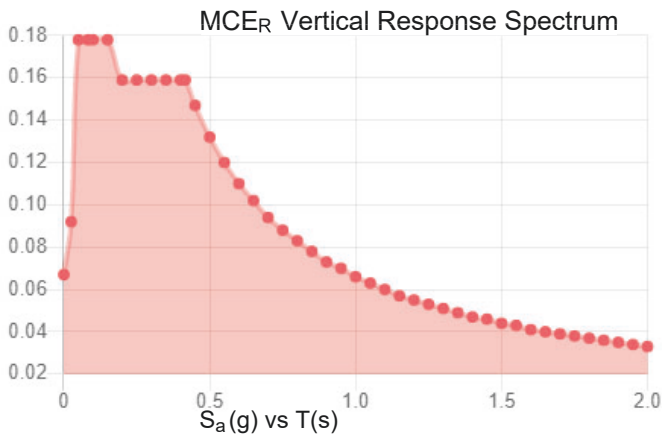
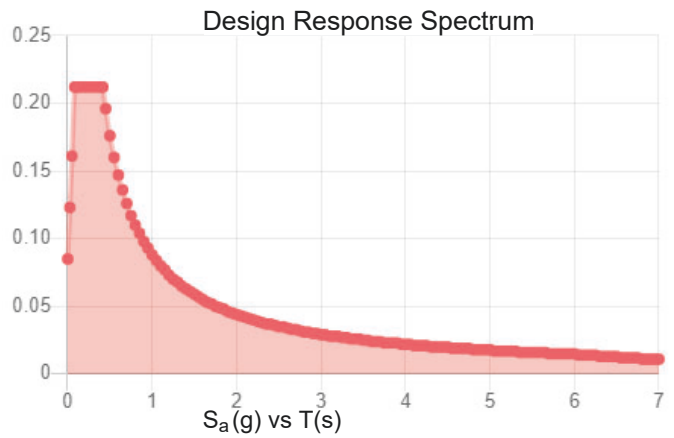
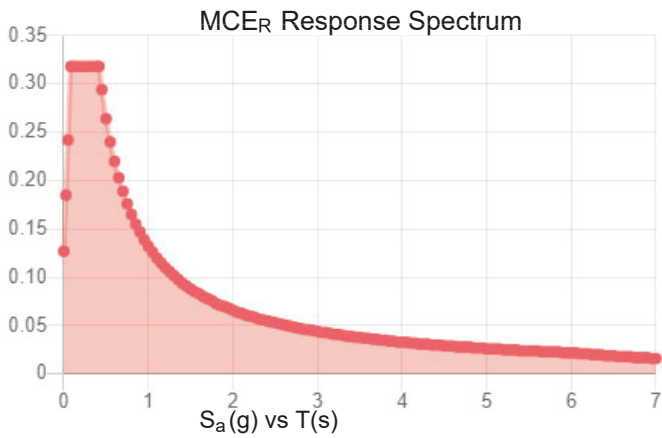
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Stiff Soil

Results:

S_s :	0.199	S_{D1} :	0.088
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.109
F_v :	2.4	PGA _M :	0.173
S_{MS} :	0.318	F_{PGA} :	1.582
S_{M1} :	0.132	I_e :	1
S_{DS} :	0.212	C_v :	0.7

Seismic Design Category B



Data Accessed: Fri Jul 08 2022

Date Source:

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

Ice

Results:

Ice Thickness: 1.50 in.
Concurrent Temperature: 15 F
Gust Speed 50 mph

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

Date Accessed: Fri Jul 08 2022

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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