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

August 29, 2023

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

RE: **Notice of Exempt Modification for Verizon**
Crown #876334_Crown_VZW
625 Spring Street, Southington, CT 06489
Latitude: 41° 37′ 56.90″/ Longitude: -72° 53′ 39.30″

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 625 Spring Street, Southington, CT 06489. The property and tower are owned by Crown Castle Global Signal. Verizon now intends to add two (2) interference mitigation filters to be installed at the 133-foot level of the tower of the 158-foot monopole. This modification may include B2, B5, B17, B14, B29, B30, B66 & n77 hardware that is 4G(LTE) and/or 5GNR capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:

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

The facility was approved by the Town of Southington Planning and Zoning Commission. 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.SA. § 16-SOj-73, a copy of this letter is being sent to Town Manager Mark Sciota and ZEO Matthew Reimondo for the municipality. Crown Castle is the property and 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.
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 Mark Sciota
Town of Southington
75 Main Street
Southington, CT 06489
860-276-6200

Matthew Reimondo, ZEO
Town of Southington
75 Main Street
Southington, CT 06489
860-276-6269

Crown Castle, Tower Owner

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773126699948: Your package has been delivered
Date: Tuesday, August 29, 2023 9:45:48 AM

Hi. Your package was delivered Tue, 08/29/2023 at 9:39am.

Delivered to 75 MAIN ST, SOUTHINGTON, CT 06489
Received by M.KIM

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 773126699948

FROM Crown Castle
1800 West Park Drive

	Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Southington Town Manager Mark Sciota 75 Main Street SOUTHINGTON, CT, US, 06489
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 8/28/2023 06:04 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	SOUTHINGTON, CT, US, 06489
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773126707089: Your package has been delivered
Date: Tuesday, August 29, 2023 9:45:03 AM

Hi. Your package was delivered Tue, 08/29/2023 at 9:37am.

Delivered to 75 MAIN ST, SOUTHINGTON, CT 06489
Received by R.POST

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 773126707089

FROM Crown Castle
1800 West Park Drive

	Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Southington Matthew Reimondo, ZEO 75 Main Street SOUTHINGTON, CT, US, 06489
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 8/28/2023 06:04 PM
DELIVERED TO	Receptionist/Front Desk
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DESTINATION	SOUTHINGTON, CT, US, 06489
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

3/11/98 03 CK#1002 SMM

PLANNING AND ZONING DEPARTMENT

P.O. BOX 610 • SOUTHINGTON, CONN. 06489 • 203/276-6248

TOWN FEE: $10.00
STATE FEE: $10.00
TOTAL FEE: $20.00

Z.P. # 5625

ZONING PERMIT APPLICATION

Applicant (please print):

~~Sprint PCS~~
~~9 Barnes Industrial Road~~
~~Wallingford, CT. 06492~~
Telephone: 203-294-5676

Owner (please print):

Josephine Smoron
55 Smoron Drive
Southington, CT. 06489
Telephone: ~~860-628-6243~~

Address of Property: 625 Spring Street Zone: R-40
Utilities: Sewer N/A Septic System N/A Well N/A Town Water N/A

Proposed Activity: install Telecommunication Facility
Does proposed activity entail construction or land alteration within 50 feet of a wetland/wet area/waterbody? Yes X No ____

Date of following approvals: Special Permit* 12/9/97 Subdivision ____
Site Plan 12/9/97 Inland/Wetland ~~12/2/97~~ Filling of Floodplain ____
Variance ____ Special Exception* ____ Home Occupation* ____
Expansion of Non-Conforming Use* ____

Submit 7 set of plans. * NOTE! Provide one copy each of certain approval letters stamped by the Town Clerk and noting the volume and page number of the approval in the land records.

OFFICE USE ONLY

	Approved	Denied
Planner/Inland Wetlands:	5/18/98	
Zoning Officer:	5/18/98	
Town Engineer:	5/15/98	
Water Department:	—	
Health Department:	—	

Approved for Zoning Permit. A copy of this approval shall be presented to the Building Official prior to issuance of a Building Permit,

Frank Vinci 5/18/98
Zoning Enforcement Officer / Date

CERTIFICATE OF ZONING COMPLIANCE Z.P. # ____
I hereby certify that all improvements were installed in compliance with the Zoning Permit.

	Approved	Denied
Planner/Inland Wetlands:		
Zoning Officer:		
Town Engineer:		
Water Department:		
Health Department:		

Approved for Certificate of Zoning Compliance. A copy of this approval shall be presented to the Building Official prior to issuance of a Certificate of Occupancy.

1/94

Zoning Enforcement Officer Date

** I have received a copy of the ordinance requiring the fencing of pools
Signed ____
Print ____

625 SPRING ST

Location	625 SPRING ST	**Mblu**	168/ / 020/ /
Acct#	19111	**Owner**	GLOBAL SIGNAL ACQUISITIONS II LLC
Assessment	$253,850	**Appraisal**	$362,630
PID	15908	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$23,750	$338,880	$362,630

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$16,630	$237,220	$253,850

Owner of Record

Owner	GLOBAL SIGNAL ACQUISITIONS II LLC	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	4017 WASHINGTON RD PMB 331 CANONSBURG, PA 15317	**Book & Page**	0788/0214
		Sale Date	04/25/2001

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
GLOBAL SIGNAL ACQUISITIONS II LLC	$0		0788/0214	04/25/2001

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Building Percent Good:

Building Attributes	
Field	**Description**
Style	Vacant w/OB

Model	
Grade:	
Stories	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Full Bthrms:	
Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Total Kitchens	
Fireplaces	
Whirlpool Tubs	
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Garages	
.	
Bsmt Type	
Attic Type	
Cath Ceiling	
Fndtn Cndtn	
Basement	

Building Photo

(https://images.vgsi.com/photos2/SouthingtonCTPhotos//\00\05\81\46.jpg)

Building Layout

(ParcelSketch.ashx?pid=15908&bid=15908)

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

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	438
Description	Cell Site
Zone	R-40
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	1.62
Depth	

Outbuildings

Outbuildings — Legend

Code	Description	Sub Code	Sub Description	Size	Bldg #
FN5	Fence-10'Chain			233.00 L.F.	1
SHD5	Cell Shed			360.00 units	1
SHD5	Cell Shed			240.00 units	1
SHD5	Cell Shed			180.00 units	1
GEN	Generator		Generator	0.00 Units	1

Valuation History

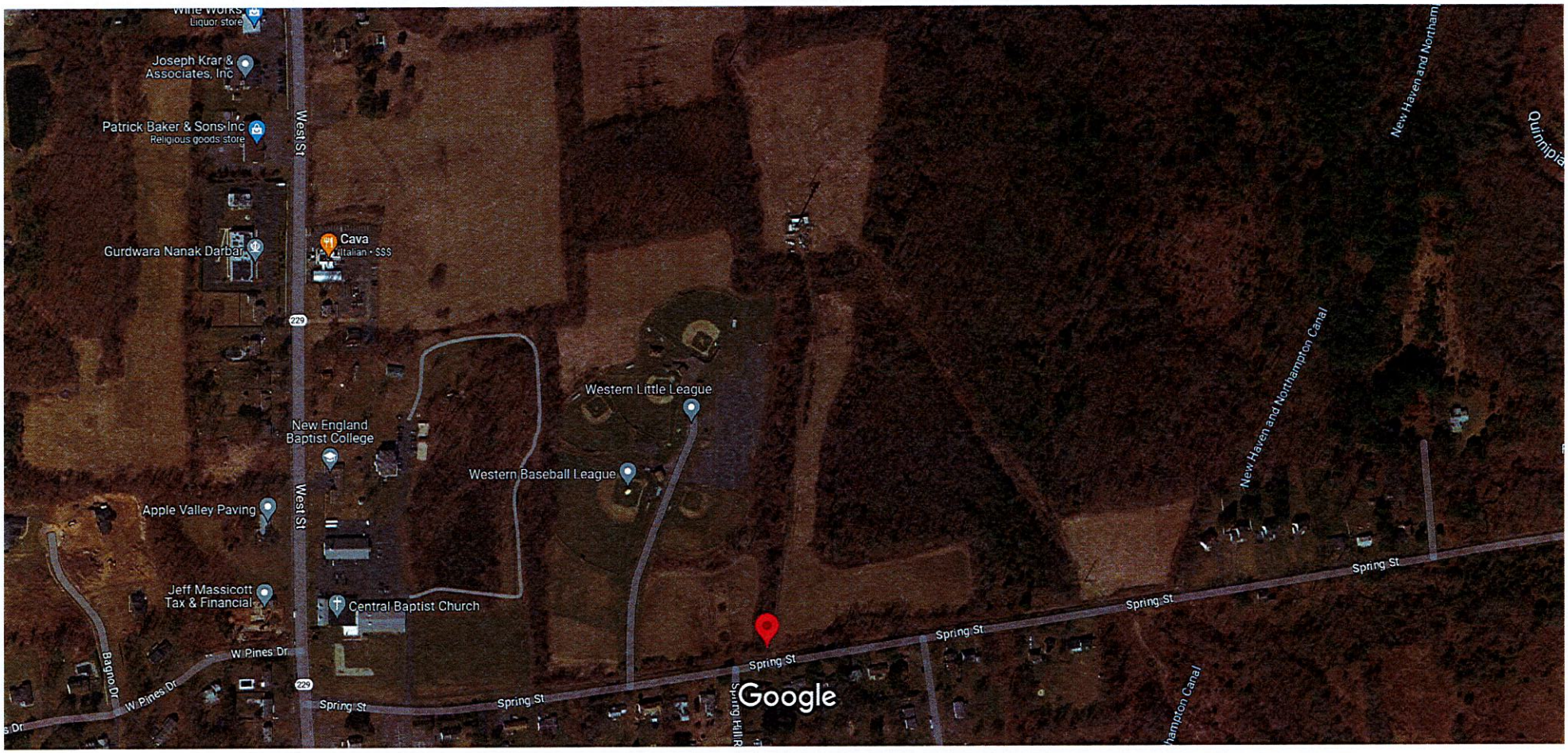
Appraisal

Valuation Year	Improvements	Land	Total
2022	$23,750	$338,880	$362,630
2021	$23,750	$338,880	$362,630
2020	$23,750	$338,880	$362,630
2019	$23,750	$206,120	$229,870
2018	$23,750	$206,120	$229,870

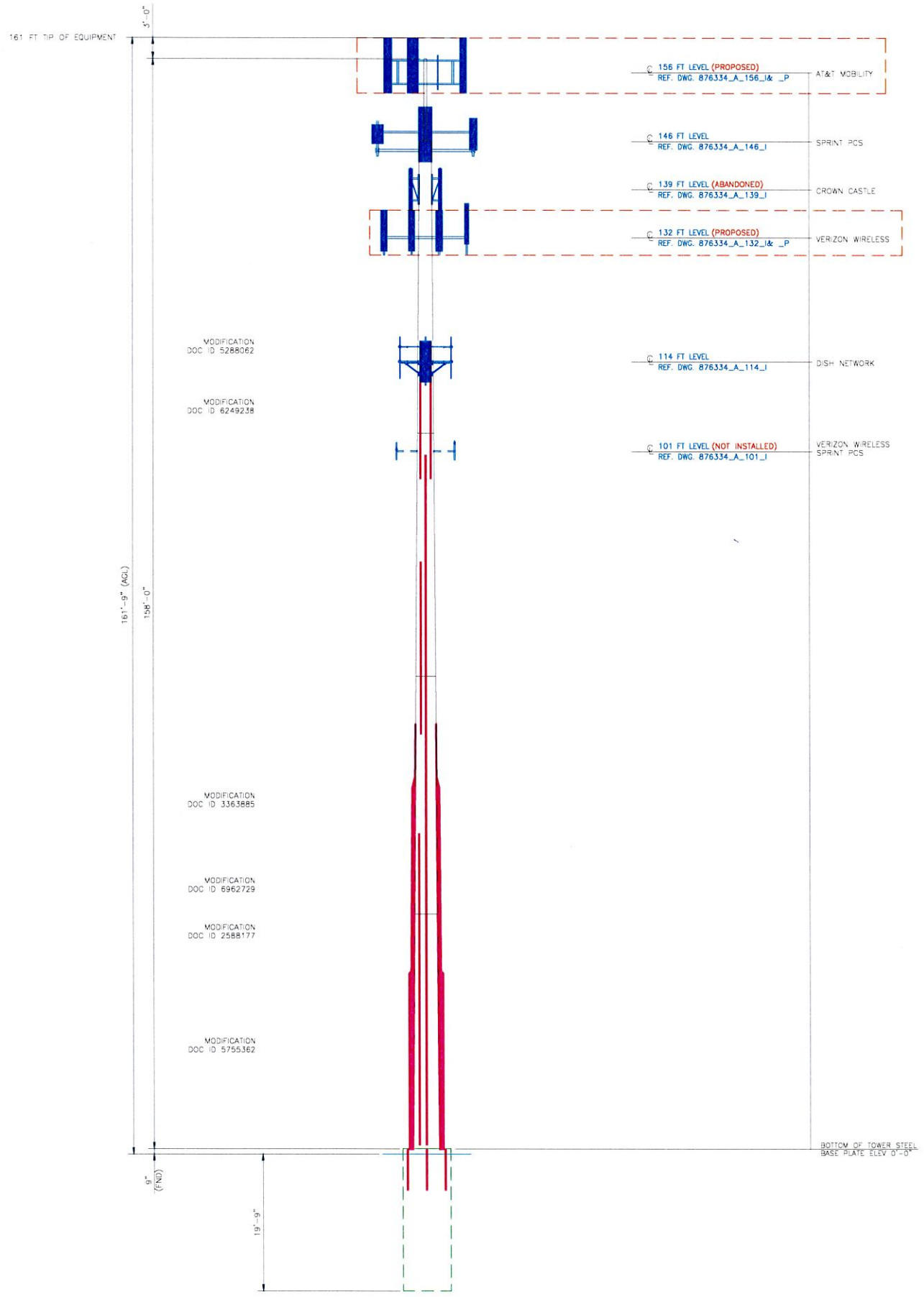
Assessment

Valuation Year	Improvements	Land	Total
2022	$16,630	$237,220	$253,850
2021	$16,630	$237,220	$253,850
2020	$16,630	$237,220	$253,850
2019	$16,630	$144,280	$160,910
2018	$16,630	$144,280	$160,910

Google Maps 625 Spring St



Imagery ©2023 Maxar Technologies, U.S. Geological Survey, USDA/FPAC/GEO, Map data ©2023 100 m


161' FT TIP OF EQUIPMENT
3'-0"
156 FT LEVEL (PROPOSED)
REF. DWG. 876334_A_156_I& _P
AT&T MOBILITY
146 FT LEVEL
REF. DWG. 876334_A_146_I
SPRINT PCS
139 FT LEVEL (ABANDONED)
REF. DWG. 876334_A_139_I
CROWN CASTLE
132 FT LEVEL (PROPOSED)
REF. DWG. 876334_A_132_I& _P
VERIZON WIRELESS
MODIFICATION
DOC ID 5288062
114 FT LEVEL
REF. DWG. 876334_A_114_I
DISH NETWORK
MODIFICATION
DOC ID 6249238
101 FT LEVEL (NOT INSTALLED)
REF. DWG. 876334_A_101_I
VERIZON WIRELESS
SPRINT PCS
161'-9" (AGL)
158'-0"
MODIFICATION
DOC ID 3363885
MODIFICATION
DOC ID 6962729
MODIFICATION
DOC ID 2588177
MODIFICATION
DOC ID 5755362
BOTTOM OF TOWER STEEL
BASE PLATE ELEV 0'-0"
9"
(FND)
19'-9"

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 #: 10206428
Colliers Engineering & Design CT, PC Project #: 23777075 (Rev. 1)

July 10, 2023

Site Information	*Site ID:*	*5000385312-VZW / SOUTHINGTON CT*
	Site Name:	*SOUTHINGTON CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*625 Spring Street* *Southington, Connecticut 06489* *Hartford County*
	Latitude:	*41.632472°*
	Longitude:	*-72.894250°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*14.00-Ft Platform*

FUZE ID # 17123871

Analysis Results

Platform: **83.6% Pass***

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

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com

For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Frank Centone

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 324871, dated May 27, 2021*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 469273, dated March 24, 201*
Previous Mount Analysis	*GPD Engineering and Architecture Professional Corporation, Project #: 2021740.469273.01, dated July 1, 2021*
Filter Add Scope	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	1.000
Seismic Parameters:	S_S:	0.193 g
	S_1:	0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	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
132.00	132.00	4	Kaelus	BSF0020F3V1-1	Added
		3	Antel	BXA-80080/6CF	Retained
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Commscope	NHH-65B-R2B	
		3	Commscope	NHHSS-65B-R2BT0	
		3	Samsung	MT6407-77A	
		3	Samsung	CBRS RRH - RT4401-48A	
		2	RFS	DB-B1-6C-12AB-0Z	

Any proposed antennas not currently installed should be mounted such that the centerline of the antennas does not exceed 6 inches vertically from the center of the antenna mount(s).

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:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Outer	20.0 %	Pass
Face Horizontal	83.6 %	Pass
Inner Horizontal	30.8 %	Pass
Corner Angle	13.4 %	Pass
Bottom Support Rail	41.1 %	Pass
Support Rail Inner Connection	4.1 %	Pass
Standoff Inner	40.1 %	Pass
Mount Pipe	57.6 %	Pass
Proposed Mount Pipe	20.5 %	Pass
Support Rail Corner Connection	21.1 %	Pass
Mount Connection	19.1 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**83.6%**

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	27.1	27.1	45.6	45.6
0.5	34.3	34.3	60.3	60.3
1	41.4	41.4	74.7	74.7

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

Relocate existing OVPs from grating to mount pipes as shown in Antenna Placement Diagrams

Contractor shall install a new 84” long PIPE 2 1/2 SCH40 mount pipe on position 3 (in all sectors). Contractor shall install (2) pipe to pipe clamps (VZWSMART-MSK3). Install pipe-to-pipe clamps 37” from top of proposed pipe and 33” from top of existing pipe. Install the 2nd set of pipe-to-pipe clamps at 30” from the 1st set.

Contractor to verify that all equipment per previous mount analysis report by GPD Engineering and Architecture Professional Corporation, project # 2021740.469273.01, dated July 1, 2021 has been installed.

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 #: 5000385312 SMART Project #: 10206428 Fuze Project ID:

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

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

Base Requirements:

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

Relocate existing OVPs from grating to mount pipes as shown in Antenna Placement Diagrams Contractor shall install a new 84” long PIPE 2 1/2 SCH40 mount pipe on position 3 (in all sectors). Contractor shall install (2) pipe to pipe clamps (VZWSMART-MSK3). Install pipe-to-pipe clamps 37” from top of proposed pipe and 33” from top of existing pipe. Install the 2nd set of pipe-to-pipe clamps at 30” from the 1st set. Contractor to verify that all equipment per previous mount analysis report by GPD Engineering and Architecture Professional Corporation, project # 2021740.469273.01, dated July 1, 2021 has been installed.

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:	

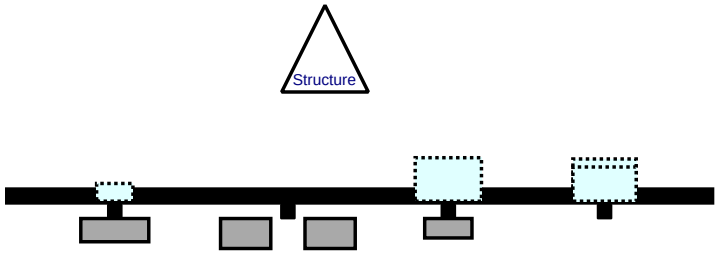
Structure: 5000385312-VZW - SOUTHINGTON CT

Sector: **A** 7/10/2023

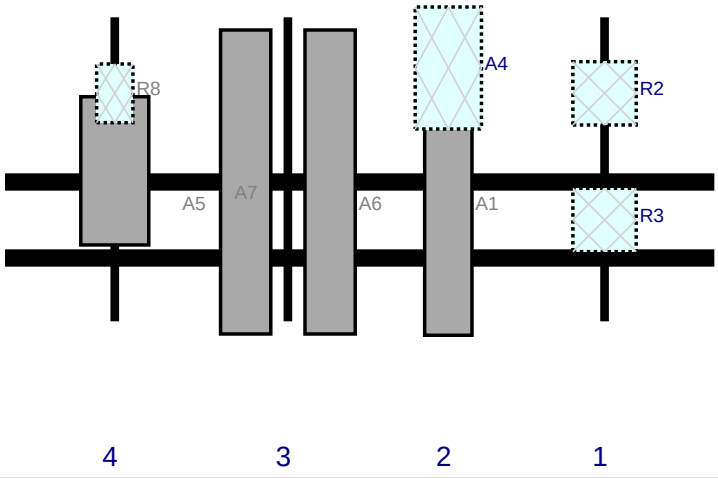
Structure Type: Monopole 10206428

Mount Elev: 132.00 Page: 1

Plan View

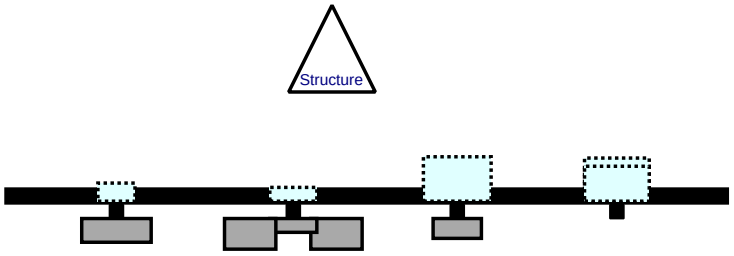


Front View - Looking at Structure

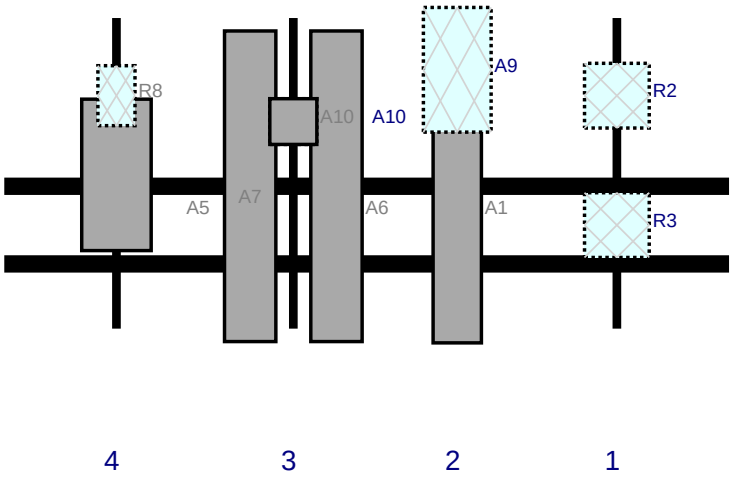


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	142	1	a	Behind	18	0	Retained	03/24/2021
R3	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	142	1	a	Behind	48	0	Retained	03/24/2021
A1	BXA-80080/6CF	72.6	11.2	105	2	a	Front	39	0	Retained	03/24/2021
A4	DB-B1-6C-12AB-0Z	28.9	15.7	105	2	a	Behind	12	0	Retained	03/24/2021
A5	NHH-65B-R2B	72	11.9	67	3	a	Front	39	-10	Retained	
A6	NHHSS-65B-R2BT0	72	11.9	67	3	b	Front	39	10	Retained	
A7	MT6407-77A	35.1	16.1	26	4	a	Front	36.36	0	Retained	
R8	CBRS RRH - RT4401-48A	13.9	8.6	26	4	a	Behind	18	0	Retained	

Plan View

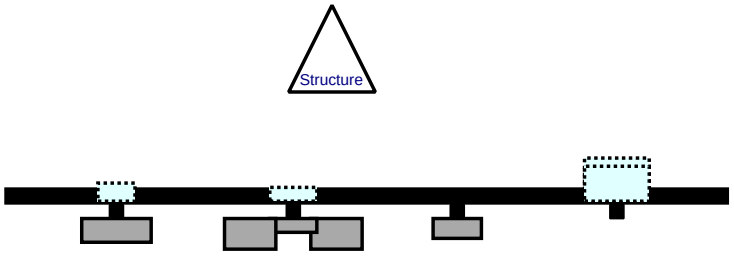


Front View - Looking at Structure

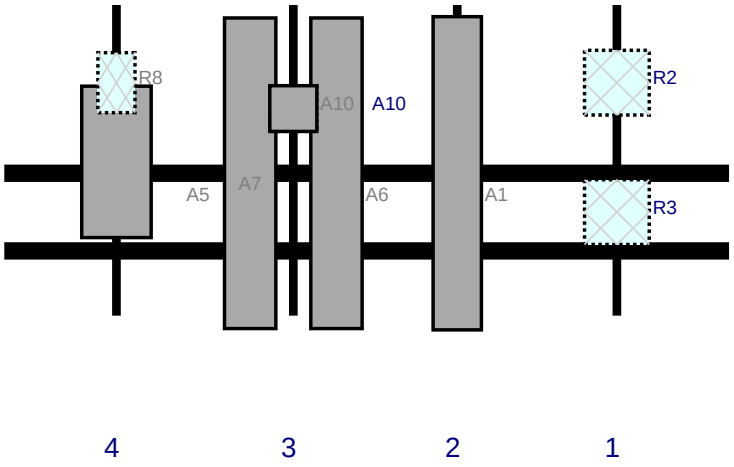


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	142	1	a	Behind	18	0	Retained	03/24/2021
R3	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	142	1	a	Behind	48	0	Retained	03/24/2021
A1	BXA-80080/6CF	72.6	11.2	105	2	a	Front	39	0	Retained	03/24/2021
A9	DB-B1-6C-12AB-0Z	28.9	15.7	105	2	a	Behind	12	0	Retained	
A5	NHH-65B-R2B	72	11.9	67	3	a	Front	39	-10	Retained	
A6	NHHSS-65B-R2BT0	72	11.9	67	3	b	Front	39	10	Retained	
A10	BSF0020F3V1-1	10.6	10.9	67	3	a	Behind	24	0	Added	
A10	BSF0020F3V1-1	10.6	10.9	67	3	b	Front	24	0	Added	
A7	MT6407-77A	35.1	16.1	26	4	a	Front	36.36	0	Retained	
R8	CBRS RRH - RT4401-48A	13.9	8.6	26	4	a	Behind	18	0	Retained	

Plan View



Front View - Looking at Structure



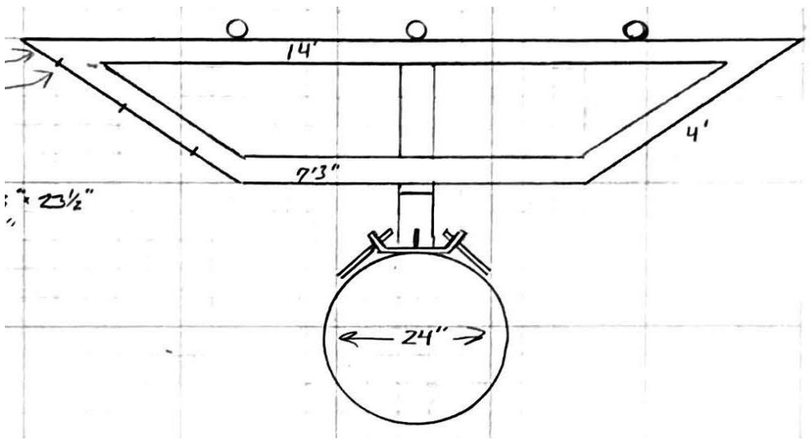
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	142	1	a	Behind	18	0	Retained	03/24/2021
R3	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	142	1	a	Behind	48	0	Retained	03/24/2021
A1	BXA-80080/6CF	72.6	11.2	105	2	a	Front	39	0	Retained	03/24/2021
A5	NHH-65B-R2B	72	11.9	67	3	a	Front	39	-10	Retained	
A6	NHHSS-65B-R2BT0	72	11.9	67	3	b	Front	39	10	Retained	
A10	BSF0020F3V1-1	10.6	10.9	67	3	a	Behind	24	0	Added	
A10	BSF0020F3V1-1	10.6	10.9	67	3	b	Front	24	0	Added	
A7	MT6407-77A	35.1	16.1	26	4	a	Front	36.36	0	Retained	
R8	CBRS RRH - RT4401-48A	13.9	8.6	26	4	a	Behind	18	0	Retained	

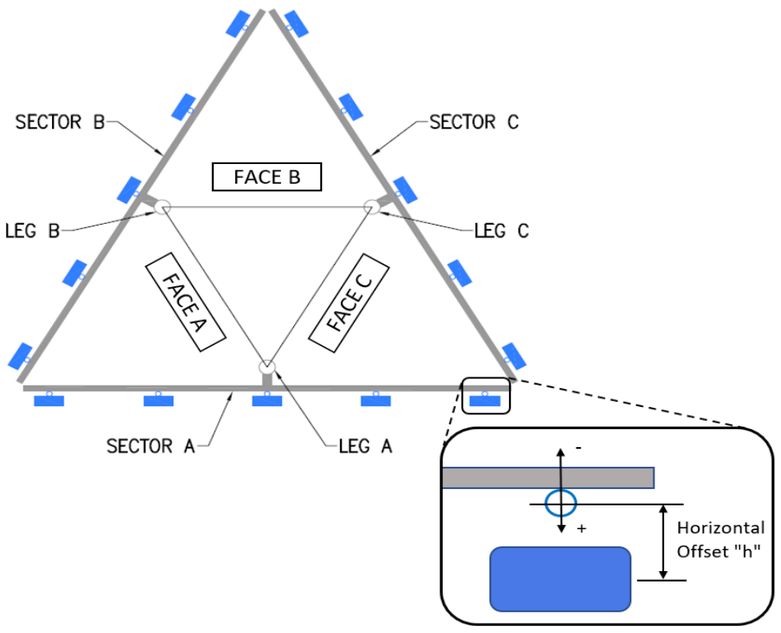
V3.0 Updated on 8-31-2020

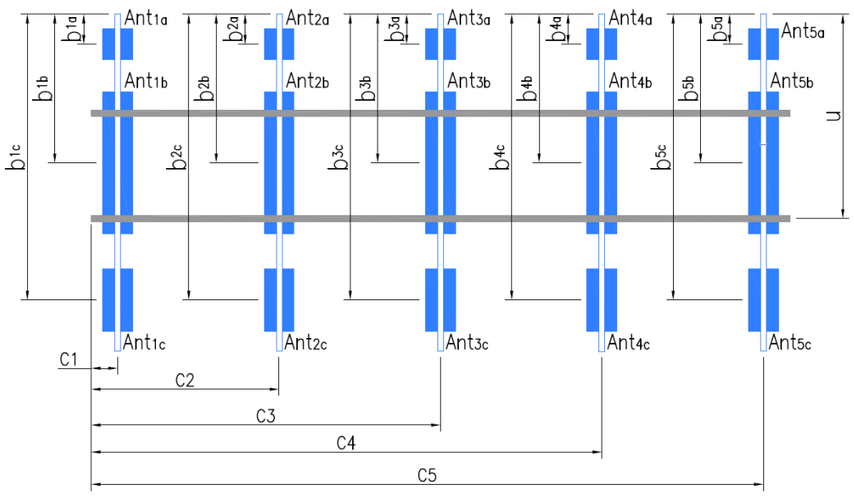
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/24/2021
Site Name:	SOUTHINGTON CT	**Tower Type:**	Monopole
Site Number or ID:	469273	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	131







Antenna Layout (Looking Out From Tower)

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	39.00	67.00	C1	2" STD. PIPE X 72" LONG	39.00	67.00
A2	2" STD. PIPE X 72" LONG	39.00	105.00	C2	2" STD. PIPE X 72" LONG	39.00	105.00
A3	2" STD. PIPE X 72" LONG	39.00	142.00	C3	2" STD. PIPE X 72" LONG	39.00	142.00
A4				C4			
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	39.00	67.00	D1			
B2	2" STD. PIPE X 72" LONG	39.00	105.00	D2			
B3	2" STD. PIPE X 72" LONG	39.00	142.00	D3			
B4				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. :	2.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	3
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

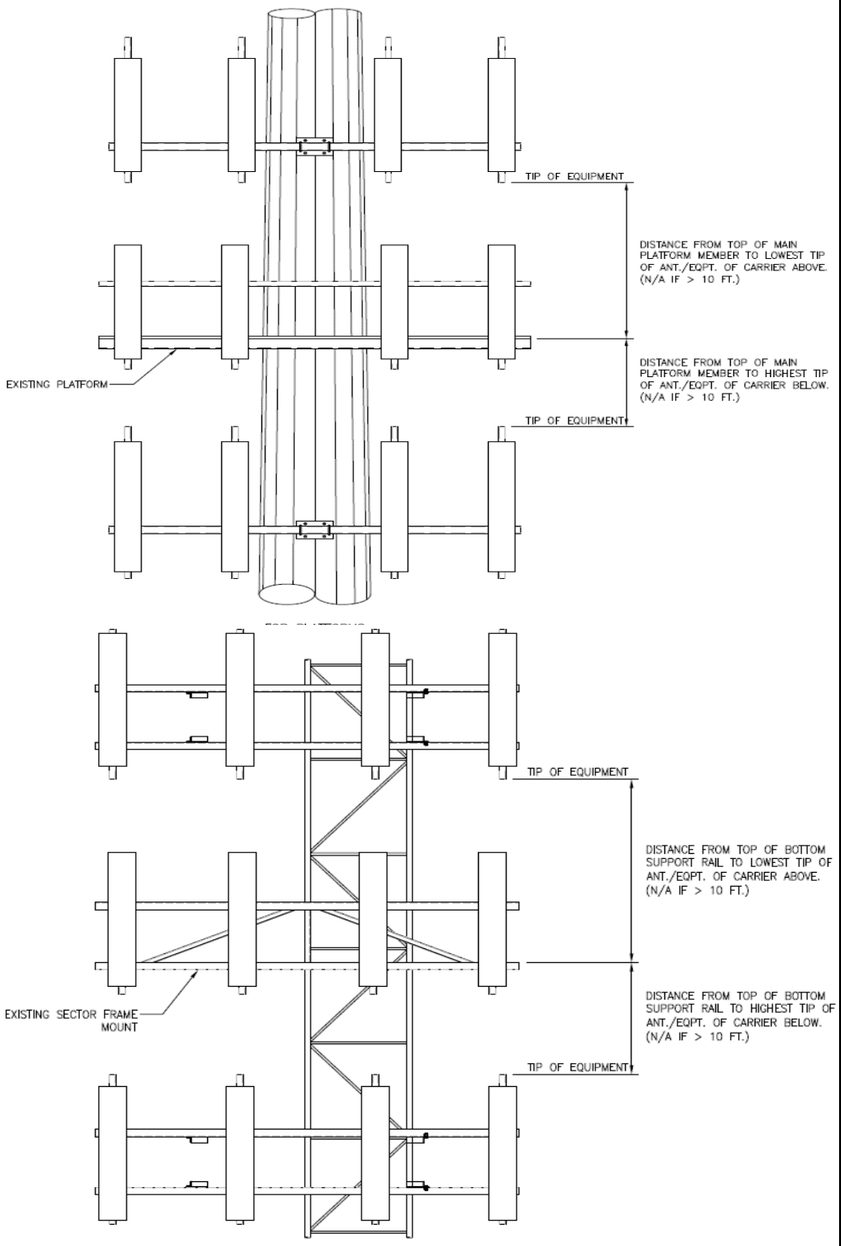
Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	24

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	BXA-70063/6CF	11.00	5.00	71.00		131.083	36.00	12.00	10.00	34,43
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.50	12.00	15.50		132.75	16.00	-12.00		37,43
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.50	73.00		131.083	36.00	12.00	10.00	35,43
Ant_{2c}	RFV01U-D1A	15.50	10.00	15.50		132.75	16.00	-12.00		36,43
Ant_{3a}										
Ant_{3b}	BXA-80080/6CF	8.00	6.00	71.00		131.167	35.00	9.50	10.00	39,43
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										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	40.00	Deg	Leg A:		Deg
Sector B:	160.00	Deg	Leg B:		Deg
Sector C:	280.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	35.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	BXA-70063/6CF	11.00	5.00	71.00		131.083	36.00	12.00	150.00	34,45
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.50	12.00	15.50		132.75	16.00	-12.00		37,46
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.50	73.00		131.083	36.00	12.00	150.00	35,46
Ant_{2c}	RFV01U-D1A	15.50	10.00	15.50		132.75	16.00	-12.00		36,46
Ant_{3a}										
Ant_{3b}	BXA-80080/6CF	8.00	6.00	71.00		131.167	35.00	9.50	150.00	39,46
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										

Sector C										
Ant_{1a}										
Ant_{1b}	BXA-70063/6CF	11.00	5.00	71.00		131.083	36.00	12.00	250.00	34,47
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.50	12.00	15.50		132.75	16.00	-12.00		37,48
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.50	73.00		131.083	36.00	12.00	250.00	35,48
Ant_{2c}	RFV01U-D1A	15.50	10.00	15.50		132.75	16.00	-12.00		36,48
Ant_{3a}										
Ant_{3b}	BXA-80080/6CF	8.00	6.00	71.00		131.167	35.00	9.50	250.00	39,48
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	(2) OVP	15.00	10.00	28.00						40,47-50
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										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1		
2	(12) 1-5/8"Ø COAX, (2) 1-1/4"Ø HYBRID	94-96, 98-100
3		
4		
5		
6		
7		
8		

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

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

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/24/2021
Site Name:	SOUTHINGTON CT	**Tower Type:**	Monopole
Site Number or ID:	469273	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	131

Please Insert Sketches of the Antenna Mount

DATE: 3-24-21
Project Name: Southington CT
Project No.:
Design By: Josh Chk'd By: Page ____ of ____

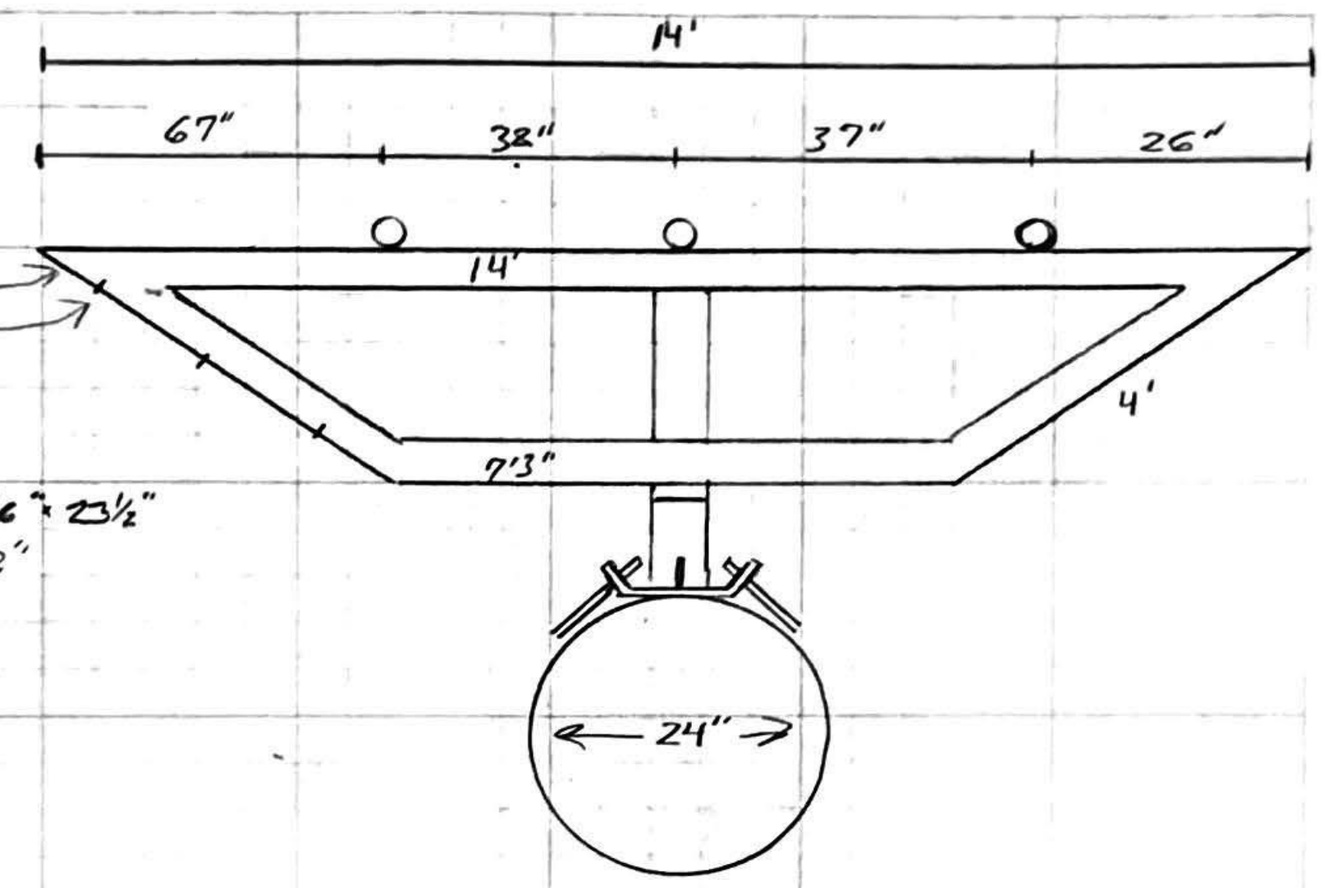
HUDSON Design Group LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

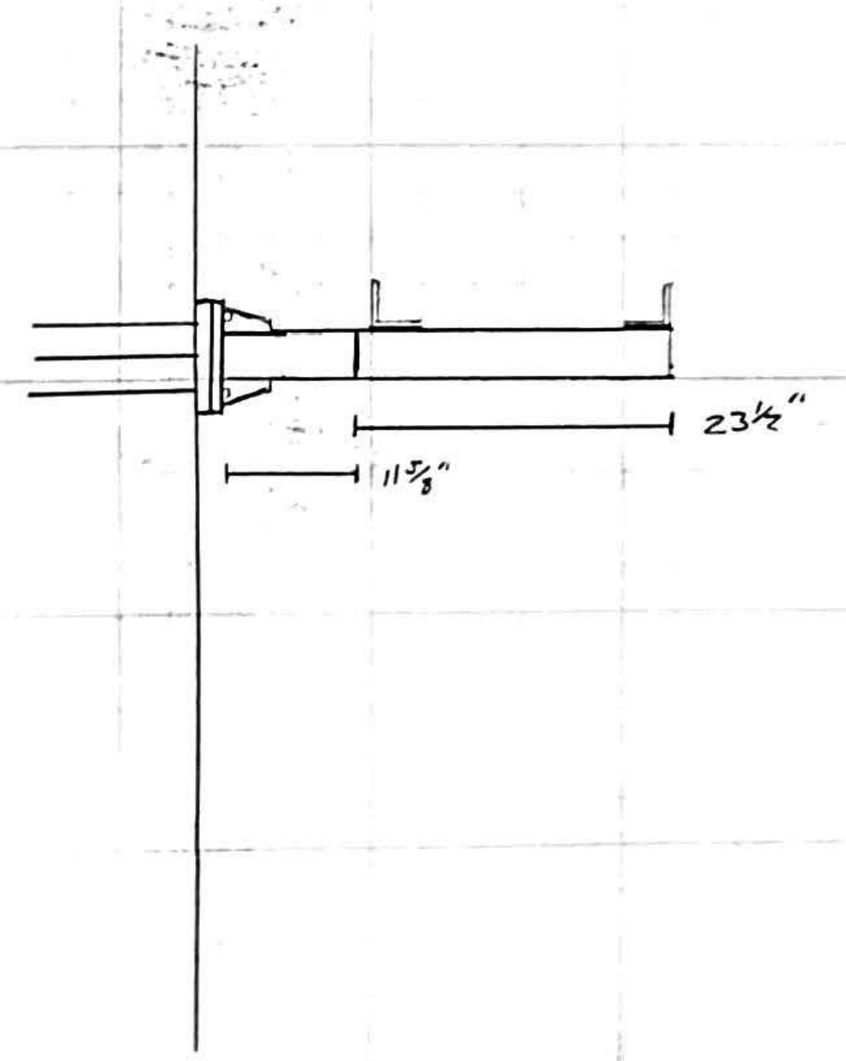
Mount: 131'
: +2" to bottom hor.

Ant Pipes: 2 3/8"
Face L: 3"x3"x1/4"
Connecting bolts: 1/2"

S/O HSS: 4"x4"x3/16"
- Sleeve: 4½"x4½"x 3/16" x 23½"
- Gusset: 3½"x 4½"x 3/8"
- Collar: 12"x ½"
- Threaded Rod: (3) 3/4"

Pole: 24"
Ale → Face: 3'
Pole to Apex: 7'





Inventory

P1 BXA-70063/6CF

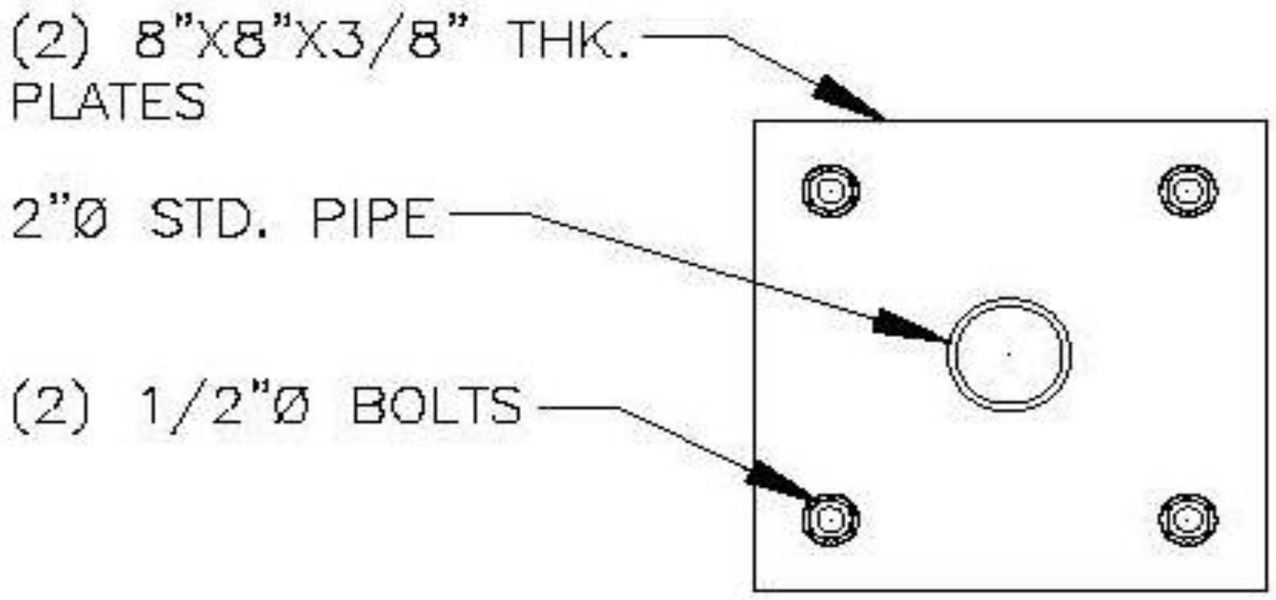
P2 (2) JBNHH-1065B
-RFV01U-D1A
-D2A

P3 BXA80080/6CF

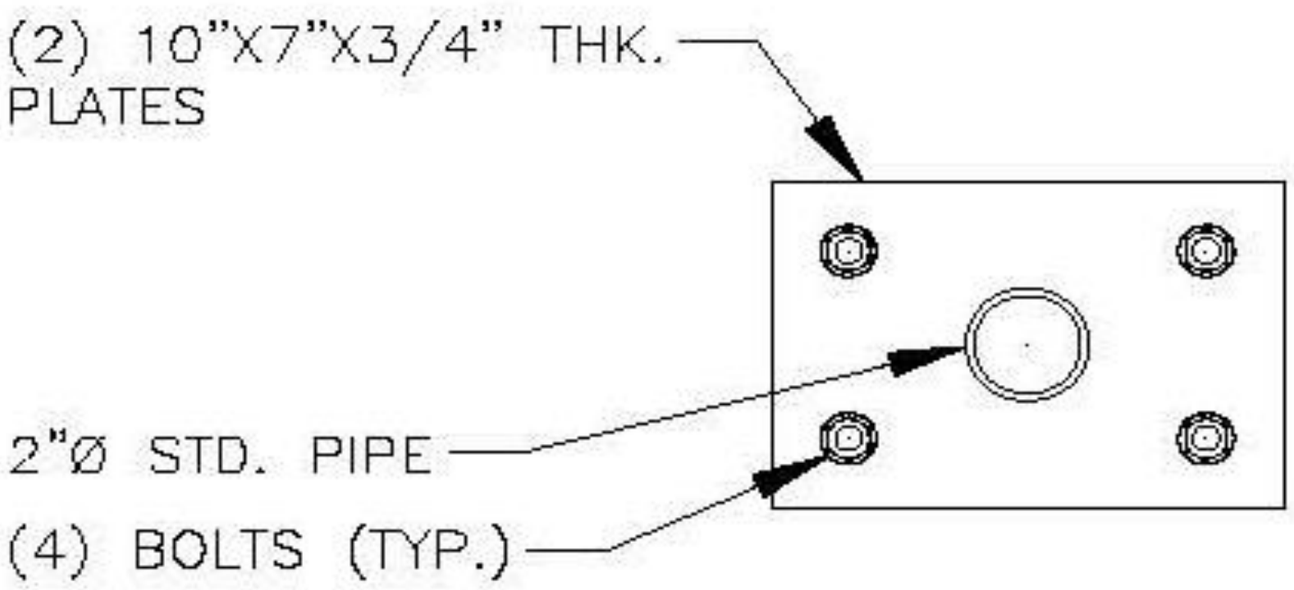
(2) OVP

157132

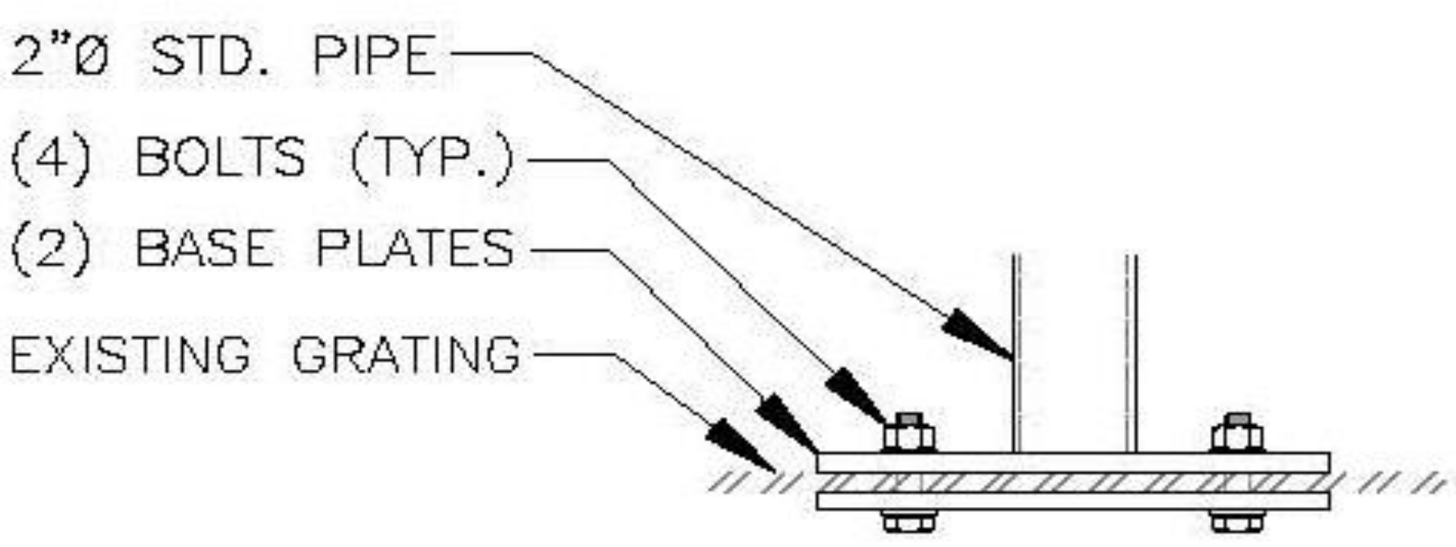
Please Insert Sketches of the Antenna Mount, cont'd



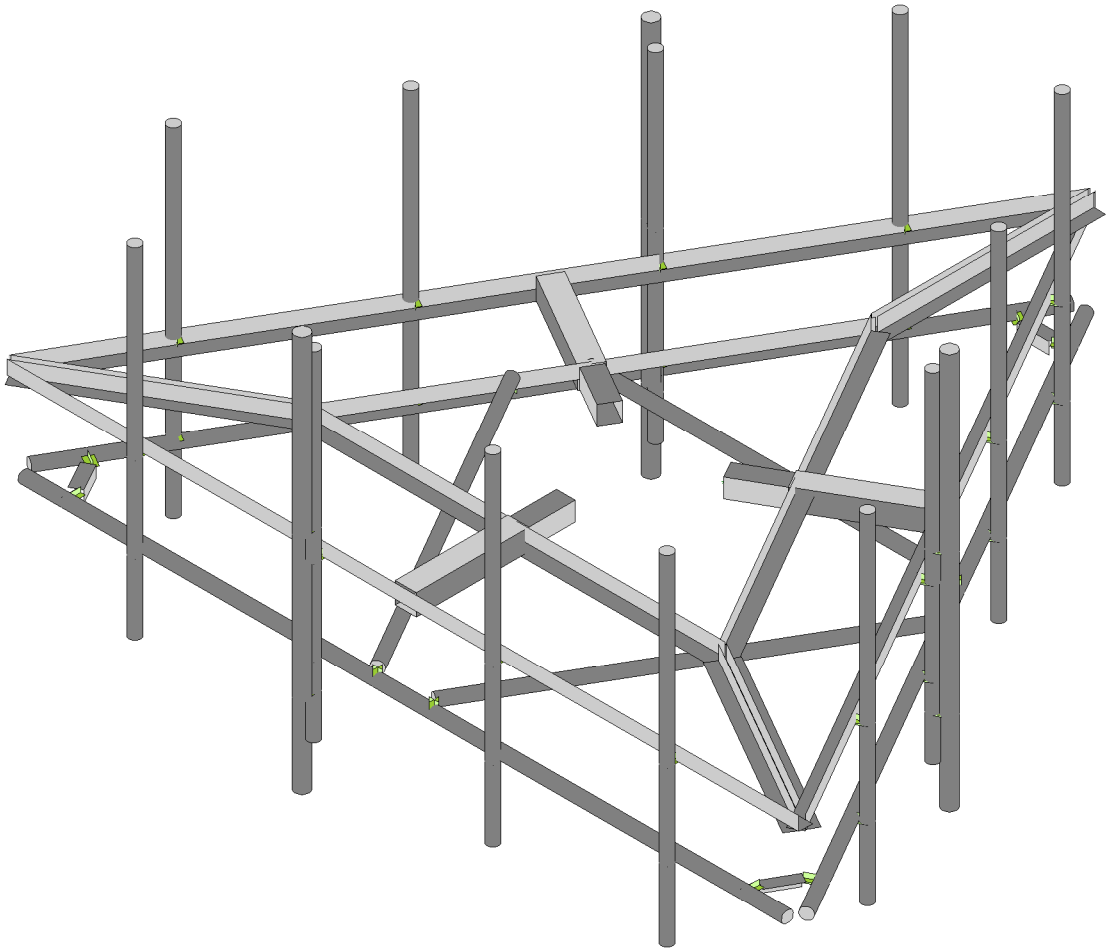
OVP MOUNT DETAIL



OVP MOUNT DETAIL

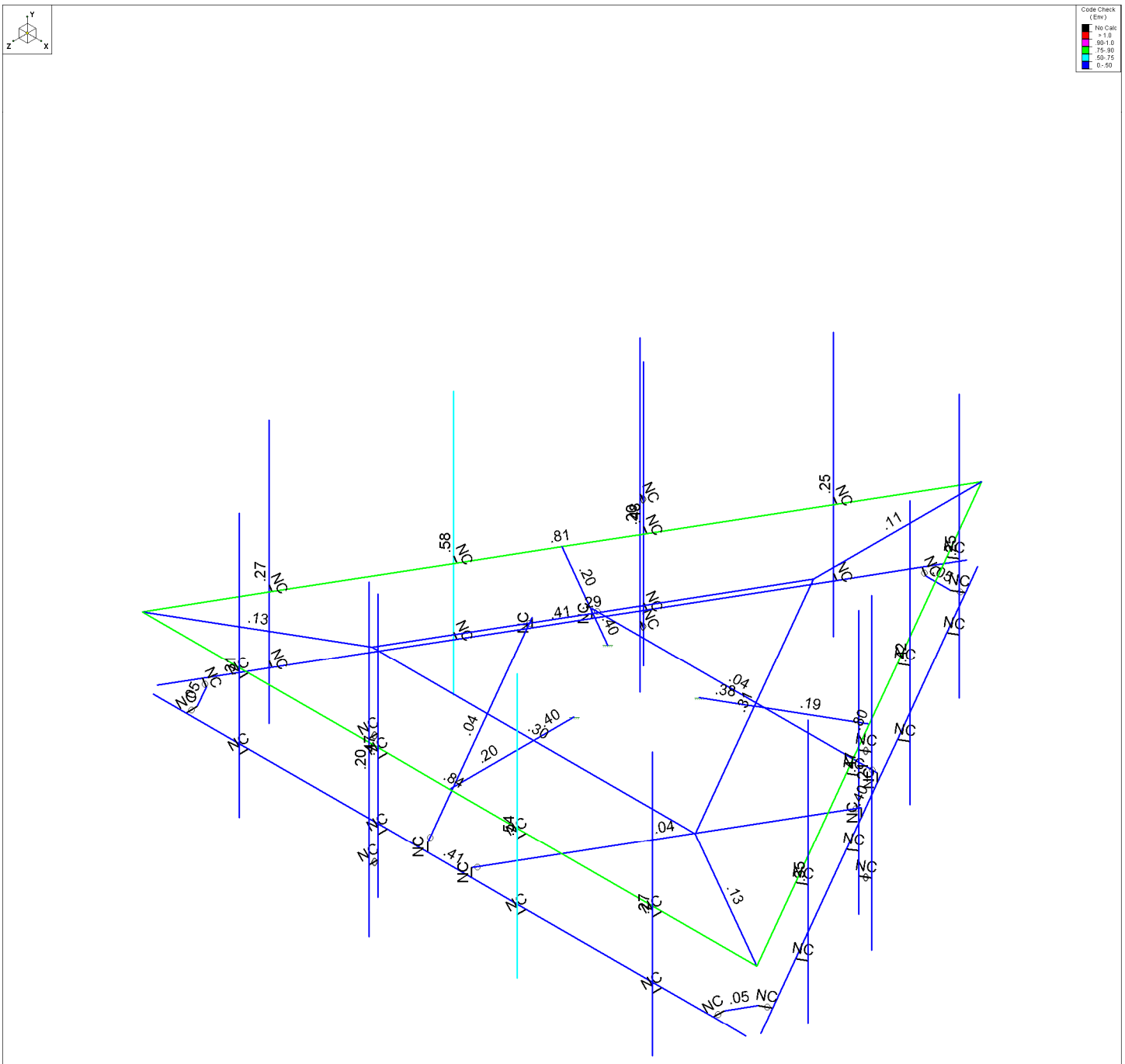


TYP. OVP MOUNT SIDE DETAIL



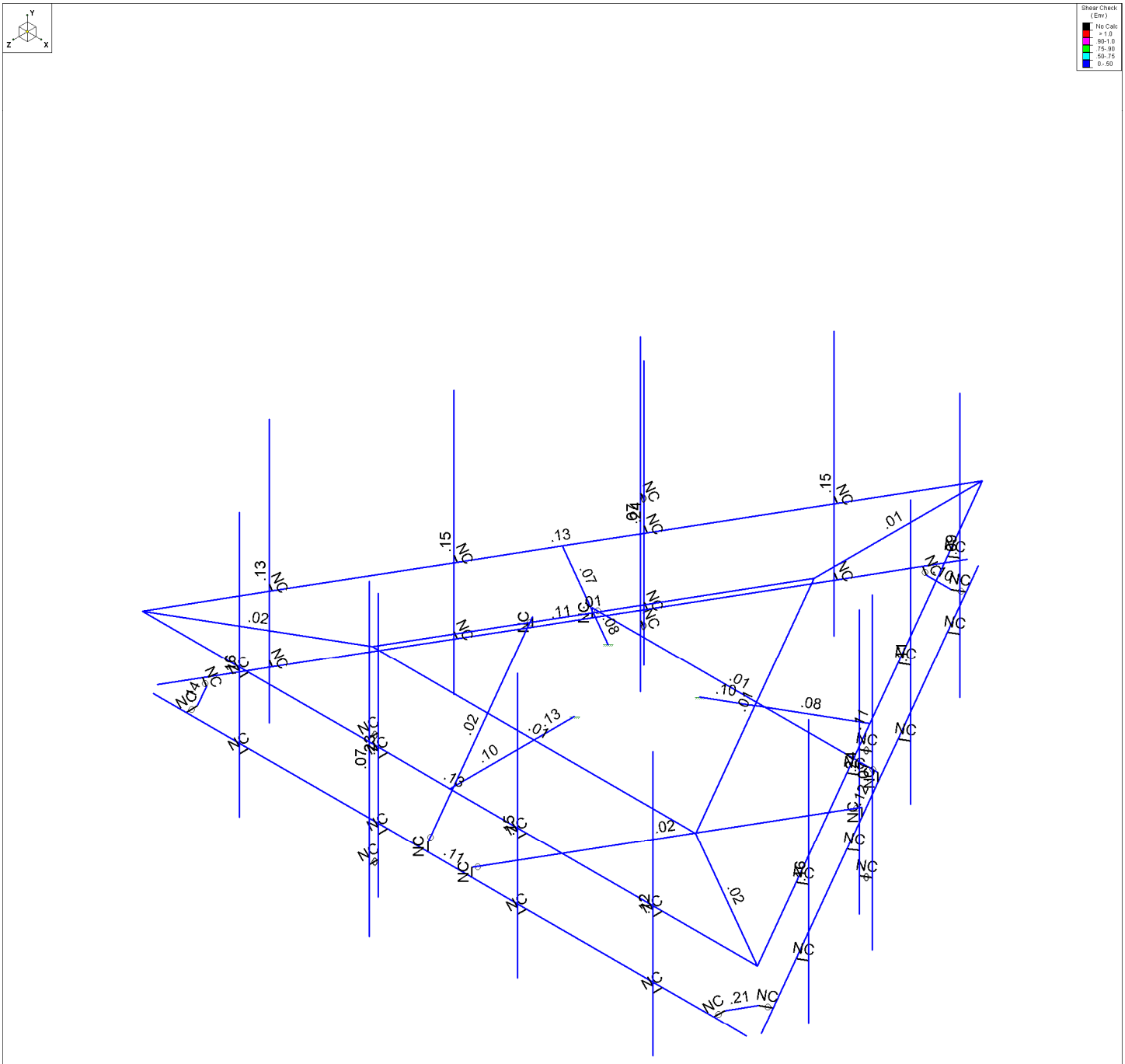
Loads: BLC 81, Antenna Ev
Envelope Only Solution

Colliers Engineering & Des...	5000385312-VZW_MT_LO_H	SK - 1
Karumanchi, Ujwala		July 3, 2023 at 3:31 PM
Project No. 10206428		5000385312-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Loads: BLC 81, Antenna Ev
Envelope Only Solution

Colliers Engineering & Des...	5000385312-VZW_MT_LO_H	SK - 2
Karumanchi, Ujwala		July 3, 2023 at 3:31 PM
Project No. 10206428		5000385312-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Loads: BLC 81, Antenna Ev
Envelope Only Solution

Colliers Engineering & Des...	5000385312-VZW_MT_LO_H	SK - 3
Karumanchi, Ujwala		July 3, 2023 at 3:31 PM
Project No. 10206428		5000385312-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					138			
2	Antenna Di	None					138			
3	Antenna Wo (0 Deg)	None					138			
4	Antenna Wo (30 Deg)	None					138			
5	Antenna Wo (60 Deg)	None					138			
6	Antenna Wo (90 Deg)	None					138			
7	Antenna Wo (120 Deg)	None					138			
8	Antenna Wo (150 Deg)	None					138			
9	Antenna Wo (180 Deg)	None					138			
10	Antenna Wo (210 Deg)	None					138			
11	Antenna Wo (240 Deg)	None					138			
12	Antenna Wo (270 Deg)	None					138			
13	Antenna Wo (300 Deg)	None					138			
14	Antenna Wo (330 Deg)	None					138			
15	Antenna Wi (0 Deg)	None					138			
16	Antenna Wi (30 Deg)	None					138			
17	Antenna Wi (60 Deg)	None					138			
18	Antenna Wi (90 Deg)	None					138			
19	Antenna Wi (120 Deg)	None					138			
20	Antenna Wi (150 Deg)	None					138			
21	Antenna Wi (180 Deg)	None					138			
22	Antenna Wi (210 Deg)	None					138			
23	Antenna Wi (240 Deg)	None					138			
24	Antenna Wi (270 Deg)	None					138			
25	Antenna Wi (300 Deg)	None					138			
26	Antenna Wi (330 Deg)	None					138			
27	Antenna Wm (0 Deg)	None					138			
28	Antenna Wm (30 Deg)	None					138			
29	Antenna Wm (60 Deg)	None					138			
30	Antenna Wm (90 Deg)	None					138			
31	Antenna Wm (120 Deg)	None					138			
32	Antenna Wm (150 Deg)	None					138			
33	Antenna Wm (180 Deg)	None					138			
34	Antenna Wm (210 Deg)	None					138			
35	Antenna Wm (240 Deg)	None					138			
36	Antenna Wm (270 Deg)	None					138			
37	Antenna Wm (300 Deg)	None					138			
38	Antenna Wm (330 Deg)	None					138			
39	Structure D	None		-1					3	
40	Structure Di	None						39	3	
41	Structure Wo (0 Deg)	None						78		
42	Structure Wo (30 Deg)	None						78		
43	Structure Wo (60 Deg)	None						78		
44	Structure Wo (90 Deg)	None						78		
45	Structure Wo (120 D...	None						78		
46	Structure Wo (150 D...	None						78		
47	Structure Wo (180 D...	None						78		
48	Structure Wo (210 D...	None						78		
49	Structure Wo (240 D...	None						78		
50	Structure Wo (270 D...	None						78		
51	Structure Wo (300 D...	None						78		
52	Structure Wo (330 D...	None						78		
53	Structure Wi (0 Deg)	None						78		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						78		
55	Structure Wi (60 Deg)	None						78		
56	Structure Wi (90 Deg)	None						78		
57	Structure Wi (120 De...	None						78		
58	Structure Wi (150 De...	None						78		
59	Structure Wi (180 De...	None						78		
60	Structure Wi (210 De...	None						78		
61	Structure Wi (240 De...	None						78		
62	Structure Wi (270 De...	None						78		
63	Structure Wi (300 De...	None						78		
64	Structure Wi (330 De...	None						78		
65	Structure Wm (0 Deg)	None						78		
66	Structure Wm (30 De...	None						78		
67	Structure Wm (60 De...	None						78		
68	Structure Wm (90 De...	None						78		
69	Structure Wm (120 D...	None						78		
70	Structure Wm (150 D...	None						78		
71	Structure Wm (180 D...	None						78		
72	Structure Wm (210 D...	None						78		
73	Structure Wm (240 D...	None						78		
74	Structure Wm (270 D...	None						78		
75	Structure Wm (300 D...	None						78		
76	Structure Wm (330 D...	None						78		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					138			
82	Antenna Eh (0 Deg)	None					92			
83	Antenna Eh (90 Deg)	None					92			
84	Structure Ev	ELY							3	
85	Structure Eh (0 Deg)	ELZ			-.03				3	
86	Structure Eh (90 Deg)	ELX	.03						3	
87	BLC 39 Transient Are...	None						30		
88	BLC 40 Transient Are...	None						30		
89	BLC 84 Transient Are...	None								
90	BLC 85 Transient Are...	None						30		
91	BLC 86 Transient Are...	None						30		

Load Combinations

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

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
15	1.2D + 1.0Di + 1.0Wi (6..	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (9..	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (3..	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (3..	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh (0..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (3..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	ELZ	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (6..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	ELZ	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (9..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (1..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	ELZ	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (1..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	.5	ELZ	-.866	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (1..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
61	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (3..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.866	ELZ	.5	E...	-.866				
63	1.2D + 1.0Ev + 1.0Eh (3..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	ELZ	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (3..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (6..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (9..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (1..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (1..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	.5	ELZ	-.866	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (1..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
72	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
73	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (3..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.866	ELZ	.5	E...	-.866				
75	0.9D - 1.0Ev + 1.0Eh (3..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	ELZ	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-7	0	4.041452	0	
2	N2	-0.	0	-8.082904	0	
3	N3	-0.	0	-4.24957	0	
4	N4	-3.680236	0	2.124785	0	
5	N44	7	0	4.041452	0	
6	N45	3.680236	0	2.124785	0	
7	N13	3.5	0	-2.020726	0	
8	N16	0	0	4.041452	0	
9	N97A	0	0	1.208119	0	
10	N32	4.833333	0	4.041452	0	
11	N34	4.833333	0	4.249785	0	
12	N103	0	0	2.041452	0	
13	N95A	-3.5	0	-2.020726	0	
14	N96A	-1.046261	0	-0.604059	0	
15	N97B	-1.767949	0	-1.020726	0	
16	N99A	1.046261	0	-0.604059	0	
17	N100A	1.767949	0	-1.020726	0	
18	N18	-6.75	-1.5	4.041452	0	
19	N19	6.75	-1.5	4.041452	0	
20	N20	-0.125	-1.5	-7.866397	0	
21	N21	-6.875	-1.5	3.824946	0	
22	N22	6.875	-1.5	3.824946	0	
23	N23	0.125	-1.5	-7.866397	0	
24	N24	6	-1.5	4.041452	0	
25	N25	-6	-1.5	4.041452	0	
26	N30	-.5	-1.5	4.041452	0	
27	N31	.5	-1.5	4.041452	0	
28	N32A	-3.25	-1.5	-2.453739	0	
29	N33	-3.75	-1.5	-1.587713	0	
30	N34A	3.75	-1.5	-1.587713	0	
31	N35	3.25	-1.5	-2.453739	0	
32	N36	-.5	-1.302083	4.041452	0	
33	N37	.5	-1.302083	4.041452	0	
34	N38	-3.25	-1.302083	-2.453739	0	
35	N39	-3.75	-1.302083	-1.587713	0	
36	N40	3.75	-1.302083	-1.587713	0	
37	N41	3.25	-1.302083	-2.453739	0	
38	N42	4.833333	-1.5	4.041452	0	
39	N43	4.833333	-1.5	4.249785	0	
40	N44A	4.833333	3.25	4.249785	0	
41	N45A	4.833333	-2.75	4.249785	0	
42	N46	1.75	0	4.041452	0	
43	N47	1.75	0	4.249785	0	
44	N48	1.75	-1.5	4.041452	0	
45	N49	1.75	-1.5	4.249785	0	
46	N50	1.75	3.25	4.249785	0	
47	N51	1.75	-2.75	4.249785	0	
48	N52	-1.416667	0	4.041452	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N53	-1.416667	0	4.249785	0	
50	N54	-1.416667	-1.5	4.041452	0	
51	N55	-1.416667	-1.5	4.249785	0	
52	N58	-4.583333	0	4.041452	0	
53	N59	-4.583333	0	4.249785	0	
54	N60	-4.583333	-1.5	4.041452	0	
55	N61	-4.583333	-1.5	4.249785	0	
56	N62	-4.583333	3.25	4.249785	0	
57	N63	-4.583333	-2.75	4.249785	0	
58	N64	-5.916667	0	2.165064	0	
59	N65	-6.097089	0	2.060897	0	
60	N66	-5.916667	-1.5	2.165064	0	
61	N67	-6.097089	-1.5	2.060897	0	
62	N68	-6.097089	3.25	2.060897	0	
63	N69	-6.097089	-2.75	2.060897	0	
64	N70	-4.375	0	-0.505181	0	
65	N71	-4.555422	0	-0.609348	0	
66	N72	-4.375	-1.5	-0.505181	0	
67	N73	-4.555422	-1.5	-0.609348	0	
68	N74	-4.555422	3.25	-0.609348	0	
69	N75	-4.555422	-2.75	-0.609348	0	
70	N82	-1.208333	0	-5.990009	0	
71	N83	-1.388755	0	-6.094176	0	
72	N84	-1.208333	-1.5	-5.990009	0	
73	N85	-1.388755	-1.5	-6.094176	0	
74	N86	-1.388755	3.25	-6.094176	0	
75	N87	-1.388755	-2.75	-6.094176	0	
76	N88	1.083333	0	-6.206515	0	
77	N89	1.263755	0	-6.310682	0	
78	N90	1.083333	-1.5	-6.206515	0	
79	N91	1.263755	-1.5	-6.310682	0	
80	N92	1.263755	3.25	-6.310682	0	
81	N93	1.263755	-2.75	-6.310682	0	
82	N94	2.625	0	-3.53627	0	
83	N95	2.805422	0	-3.640437	0	
84	N96	2.625	-1.5	-3.53627	0	
85	N97	2.805422	-1.5	-3.640437	0	
86	N98	2.805422	3.25	-3.640437	0	
87	N99	2.805422	-2.75	-3.640437	0	
88	N106	5.791667	0	1.948557	0	
89	N107	5.972089	0	1.84439	0	
90	N108	5.791667	-1.5	1.948557	0	
91	N109	5.972089	-1.5	1.84439	0	
92	N110	5.972089	3.25	1.84439	0	
93	N111	5.972089	-2.75	1.84439	0	
94	N112	3.471903	0	2.124785	0	
95	N113	1.180236	0	2.124785	0	
96	N118	0	0	2.124785	0	
97	N119	-1.840118	0	-1.062393	0	
98	N120	1.840118	0	-1.062393	0	
99	N126	-1.416667	3.583333	4.458119	0	
100	N127A	-1.416667	-3.416667	4.458119	0	
101	N126A	-1.416667	3.25	4.249785	0	
102	N127B	-1.416667	-2.75	4.249785	0	
103	N116A	-2.791667	0	-3.247595	0	
104	N117A	-2.972089	0	-3.351762	0	
105	N118A	-2.791667	-1.5	-3.247595	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
106	N119A	-2.972089	-1.5	-3.351762	0	
107	N122A	-3.152511	3.583333	-3.455929	0	
108	N123A	-3.152511	-3.416667	-3.455929	0	
109	N124	-2.972089	3.25	-3.351762	0	
110	N125	-2.972089	-2.75	-3.351762	0	
111	N126B	4.208333	0	-0.793857	0	
112	N127C	4.388755	0	-0.898023	0	
113	N128A	4.208333	-1.5	-0.793857	0	
114	N129	4.388755	-1.5	-0.898023	0	
115	N132	4.569177	3.583333	-1.00219	0	
116	N133	4.569177	-3.416667	-1.00219	0	
117	N134	4.388755	3.25	-0.898023	0	
118	N135	4.388755	-2.75	-0.898023	0	
119	N136	6	-1.5	3.791452	0	
120	N137	-6	-1.5	3.791452	0	
121	N134A	0.5	-1.5	-7.216878	0	
122	N135A	6.5	-1.5	3.175426	0	
123	N136A	0.283494	-1.5	-7.091878	0	
124	N137A	6.283494	-1.5	3.300426	0	
125	N138	-6.5	-1.5	3.175426	0	
126	N139	-0.5	-1.5	-7.216878	0	
127	N140	-6.283494	-1.5	3.300426	0	
128	N141	-0.283494	-1.5	-7.091878	0	
129	N138A	-1.416667	-2	4.249785	0	
130	N139A	-1.416667	-2	4.458119	0	
131	N140A	-1.416667	.5	4.249785	0	
132	N141A	-1.416667	.5	4.458119	0	
133	N140B	4.388755	-2	-0.898023	0	
134	N141B	4.569177	-2	-1.00219	0	
135	N142	4.388755	.5	-0.898023	0	
136	N143	4.569177	.5	-1.00219	0	
137	N144	-2.972089	-2	-3.351762	0	
138	N145	-3.152511	-2	-3.455929	0	
139	N146	-2.972089	.5	-3.351762	0	
140	N147	-3.152511	.5	-3.455929	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
2	Inner Horizontal	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	Corner Angle	LL3x3x4x0	None	None	A36 Gr.36	Typical	2.88	4.5	2.46	.063
4	Bottom Support Rail	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
5	Mount Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
6	Support Rail Inner Con...	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Support Rail Corner Co...	L2.5x2.5x4	None	None	A36 Gr.36	Typical	1.19	.692	.692	.026
8	Standoff Outer	HSS4.5X4.5X4	None	None	A500 Gr.B Rect	Typical	3.84	11.4	11.4	18.5
9	Standoff Inner	HSS4X4X4	None	None	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
10	Proposed Mount Pipe	PIPE_2.5	None	None	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Squid Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
12	Connection Member	PIPE_2.0	None	None	Low	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Low	5000	11154	.3	.65	.49	36	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	ASO	N16	N103		90	Standoff Outer	None	None	A500 Gr.B...	Typical
2	M1	N1	N2			Face Horizontal	None	None	A36 Gr.36	Typical
3	M2	N3	N4			Inner Horizontal	None	None	A36 Gr.36	Typical
4	M3	N4	N1		180	Corner Angle	None	None	A36 Gr.36	Typical
5	M4	N2	N44			Face Horizontal	None	None	A36 Gr.36	Typical
6	M5	N45	N3			Inner Horizontal	None	None	A36 Gr.36	Typical
7	M6	N3	N2		180	Corner Angle	None	None	A36 Gr.36	Typical
8	M7	N44	N1			Face Horizontal	None	None	A36 Gr.36	Typical
9	M8	N4	N45			Inner Horizontal	None	None	A36 Gr.36	Typical
10	M9	N45	N44		180	Corner Angle	None	None	A36 Gr.36	Typical
11	M17	N19	N18			Bottom Suppor...	None	None	A53 Gr.B	Typical
12	M18	N21	N20			Bottom Suppor...	None	None	A53 Gr.B	Typical
13	M19	N23	N22			Bottom Suppor...	None	None	A53 Gr.B	Typical
14	M20	N32	N34			RIGID	None	None	RIGID	Typical
15	M26	N40	N37			Support Rail In...	None	None	A53 Gr.B	Typical
16	M26A	N32A	N38		180	RIGID	None	None	RIGID	Typical
17	M27	N36	N39			Support Rail In...	None	None	A53 Gr.B	Typical
18	M27A	N35	N41		180	RIGID	None	None	RIGID	Typical
19	M28	N38	N41			Support Rail In...	None	None	A53 Gr.B	Typical
20	M28A	N34A	N40		180	RIGID	None	None	RIGID	Typical
21	M29	N31	N37		180	RIGID	None	None	RIGID	Typical
22	M30	N30	N36		180	RIGID	None	None	RIGID	Typical
23	M31	N33	N39		180	RIGID	None	None	RIGID	Typical
24	M32	N42	N43			RIGID	None	None	RIGID	Typical
25	M34	N46	N47			RIGID	None	None	RIGID	Typical
26	M35	N48	N49			RIGID	None	None	RIGID	Typical
27	M37	N52	N53			RIGID	None	None	RIGID	Typical
28	M38	N54	N55			RIGID	None	None	RIGID	Typical
29	M40	N58	N59			RIGID	None	None	RIGID	Typical
30	M41	N60	N61			RIGID	None	None	RIGID	Typical
31	M43	N64	N65			RIGID	None	None	RIGID	Typical
32	M44	N66	N67			RIGID	None	None	RIGID	Typical
33	M46	N70	N71			RIGID	None	None	RIGID	Typical
34	M47	N72	N73			RIGID	None	None	RIGID	Typical
35	M52	N82	N83			RIGID	None	None	RIGID	Typical
36	M53	N84	N85			RIGID	None	None	RIGID	Typical
37	M54	N95A	N97B		90	Standoff Outer	None	None	A500 Gr.B...	Typical
38	M55	N103	N97A			Standoff Inner	None	None	A500 Gr.B...	Typical
39	M55A	N97B	N96A			Standoff Inner	None	None	A500 Gr.B...	Typical
40	M55B	N88	N89			RIGID	None	None	RIGID	Typical
41	M56	N13	N100A		90	Standoff Outer	None	None	A500 Gr.B...	Typical
42	M56A	N90	N91			RIGID	None	None	RIGID	Typical
43	M57	N100A	N99A			Standoff Inner	None	None	A500 Gr.B...	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
44	M58	N94	N95			RIGID	None	None	RIGID	Typical
45	M59	N96	N97			RIGID	None	None	RIGID	Typical
46	M64	N106	N107			RIGID	None	None	RIGID	Typical
47	M65	N108	N109			RIGID	None	None	RIGID	Typical
48	MP1A	N44A	N45A			Mount Pipe	None	None	A53 Gr.B	Typical
49	MP1B	N68	N69			Mount Pipe	None	None	A53 Gr.B	Typical
50	MP1C	N92	N93			Mount Pipe	None	None	A53 Gr.B	Typical
51	MP2A	N50	N51			Mount Pipe	None	None	A53 Gr.B	Typical
52	MP2B	N74	N75			Mount Pipe	None	None	A53 Gr.B	Typical
53	MP2C	N98	N99			Mount Pipe	None	None	A53 Gr.B	Typical
54	MP4A	N62	N63			Mount Pipe	None	None	A53 Gr.B	Typical
55	MP4B	N86	N87			Mount Pipe	None	None	A53 Gr.B	Typical
56	MP4C	N110	N111			Mount Pipe	None	None	A53 Gr.B	Typical
57	MP3A	N126	N127A			Proposed Mou...	None	None	A53 Gr.B	Typical
58	MP5A	N126A	N127B			Mount Pipe	None	None	A53 Gr.B	Typical
59	M68	N116A	N117A			RIGID	None	None	RIGID	Typical
60	M69	N118A	N119A			RIGID	None	None	RIGID	Typical
61	MP3B	N122A	N123A			Proposed Mou...	None	None	A53 Gr.B	Typical
62	MP5B	N124	N125			Mount Pipe	None	None	A53 Gr.B	Typical
63	M74	N126B	N127C			RIGID	None	None	RIGID	Typical
64	M75	N128A	N129			RIGID	None	None	RIGID	Typical
65	MP3C	N132	N133			Proposed Mou...	None	None	A53 Gr.B	Typical
66	MP5C	N134	N135			Mount Pipe	None	None	A53 Gr.B	Typical
67	M80	N25	N137			RIGID	None	None	RIGID	Typical
68	M81	N24	N136			RIGID	None	None	RIGID	Typical
69	M79A	N135A	N137A			RIGID	None	None	RIGID	Typical
70	M80A	N134A	N136A			RIGID	None	None	RIGID	Typical
71	M81A	N139	N141			RIGID	None	None	RIGID	Typical
72	M82	N138	N140			RIGID	None	None	RIGID	Typical
73	M83	N137	N140		180	Support Rail C...	None	None	A36 Gr.36	Typical
74	M84	N137A	N136		180	Support Rail C...	None	None	A36 Gr.36	Typical
75	M85	N141	N136A		180	Support Rail C...	None	None	A36 Gr.36	Typical
76	M82A	N138A	N139A			RIGID	None	None	RIGID	Typical
77	M83A	N140A	N141A			RIGID	None	None	RIGID	Typical
78	M82B	N140B	N141B			RIGID	None	None	RIGID	Typical
79	M83B	N142	N143			RIGID	None	None	RIGID	Typical
80	M84A	N144	N145			RIGID	None	None	RIGID	Typical
81	M85A	N146	N147			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	ASO						Yes	** NA **			None
2	M1						Yes	** NA **			None
3	M2						Yes	** NA **			None
4	M3						Yes	** NA **			None
5	M4						Yes	** NA **			None
6	M5						Yes	** NA **			None
7	M6						Yes	** NA **			None
8	M7						Yes	** NA **			None
9	M8						Yes	** NA **			None
10	M9						Yes	** NA **			None
11	M17						Yes	** NA **			None
12	M18						Yes	** NA **			None
13	M19						Yes	** NA **			None
14	M20						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...
15	M26	BenPIN	BenPIN				Yes	** NA **			None
16	M26A						Yes	** NA **			None
17	M27	BenPIN	BenPIN				Yes	** NA **			None
18	M27A						Yes	** NA **			None
19	M28	BenPIN	BenPIN				Yes	** NA **			None
20	M28A						Yes	** NA **			None
21	M29						Yes	** NA **			None
22	M30						Yes	** NA **			None
23	M31						Yes	** NA **			None
24	M32						Yes	** NA **			None
25	M34						Yes	** NA **			None
26	M35						Yes	** NA **			None
27	M37						Yes	** NA **			None
28	M38						Yes	** NA **			None
29	M40						Yes	** NA **			None
30	M41						Yes	** NA **			None
31	M43						Yes	** NA **			None
32	M44						Yes	** NA **			None
33	M46						Yes	** NA **			None
34	M47						Yes	** NA **			None
35	M52						Yes	** NA **			None
36	M53						Yes	** NA **			None
37	M54						Yes	** NA **			None
38	M55						Yes	** NA **			None
39	M55A						Yes	** NA **			None
40	M55B						Yes	** NA **			None
41	M56						Yes	** NA **			None
42	M56A						Yes	** NA **			None
43	M57						Yes	** NA **			None
44	M58						Yes	** NA **			None
45	M59						Yes	** NA **			None
46	M64						Yes	** NA **			None
47	M65						Yes	** NA **			None
48	MP1A						Yes	** NA **			None
49	MP1B						Yes	** NA **			None
50	MP1C						Yes	** NA **			None
51	MP2A						Yes	** NA **			None
52	MP2B						Yes	** NA **			None
53	MP2C						Yes	** NA **			None
54	MP4A						Yes	** NA **			None
55	MP4B						Yes	** NA **			None
56	MP4C						Yes	** NA **			None
57	MP3A						Yes	** NA **			None
58	MP5A						Yes	** NA **			None
59	M68						Yes	** NA **			None
60	M69						Yes	** NA **			None
61	MP3B						Yes	** NA **			None
62	MP5B						Yes	** NA **			None
63	M74						Yes	** NA **			None
64	M75						Yes	** NA **			None
65	MP3C						Yes	** NA **			None
66	MP5C						Yes	** NA **			None
67	M80	OOOOOX					Yes	** NA **			None
68	M81	OOOOOX					Yes	** NA **			None
69	M79A	OOOOOX					Yes	** NA **			None
70	M80A	OOOOOX					Yes	** NA **			None
71	M81A	OOOOOX					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...
72	M82	OOOOOX					Yes	** NA **			None
73	M83						Yes	** NA **			None
74	M84						Yes	** NA **			None
75	M85						Yes	** NA **			None
76	M82A		OOOXOO				Yes	** NA **			None
77	M83A		OOOXOO				Yes	** NA **			None
78	M82B		OOOXOO				Yes	** NA **			None
79	M83B		OOOXOO				Yes	** NA **			None
80	M84A		OOOXOO				Yes	** NA **			None
81	M85A		OOOXOO				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	Y	-17.6	2
2	MP5B	My	-.003	2
3	MP5B	Mz	.003	2
4	MP5C	Y	-17.6	2
5	MP5C	My	-.003	2
6	MP5C	Mz	-.004	2
7	MP2A	Y	-11	1
8	MP2A	My	-.009	1
9	MP2A	Mz	0	1
10	MP2A	Y	-11	5.5
11	MP2A	My	-.009	5.5
12	MP2A	Mz	0	5.5
13	MP2B	Y	-11	1
14	MP2B	My	.006	1
15	MP2B	Mz	-.006	1
16	MP2B	Y	-11	5.5
17	MP2B	My	.006	5.5
18	MP2B	Mz	-.006	5.5
19	MP2C	Y	-11	1
20	MP2C	My	.005	1
21	MP2C	Mz	.008	1
22	MP2C	Y	-11	5.5
23	MP2C	My	.005	5.5
24	MP2C	Mz	.008	5.5
25	MP1A	Y	-42.2	1.5
26	MP1A	My	.042	1.5
27	MP1A	Mz	0	1.5
28	MP1A	Y	-42.2	1.5
29	MP1A	My	.042	1.5
30	MP1A	Mz	0	1.5
31	MP1B	Y	-42.2	1.5
32	MP1B	My	-.03	1.5
33	MP1B	Mz	.03	1.5
34	MP1B	Y	-42.2	1.5
35	MP1B	My	-.03	1.5
36	MP1B	Mz	.03	1.5
37	MP1C	Y	-42.2	1.5
38	MP1C	My	-.024	1.5
39	MP1C	Mz	-.035	1.5
40	MP1C	Y	-42.2	1.5
41	MP1C	My	-.024	1.5
42	MP1C	Mz	-.035	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1A	Y	-35.15	4
44	MP1A	My	.035	4
45	MP1A	Mz	0	4
46	MP1A	Y	-35.15	4
47	MP1A	My	.035	4
48	MP1A	Mz	0	4
49	MP1B	Y	-35.15	4
50	MP1B	My	-.025	4
51	MP1B	Mz	.025	4
52	MP1B	Y	-35.15	4
53	MP1B	My	-.025	4
54	MP1B	Mz	.025	4
55	MP1C	Y	-35.15	4
56	MP1C	My	-.02	4
57	MP1C	Mz	-.029	4
58	MP1C	Y	-35.15	4
59	MP1C	My	-.02	4
60	MP1C	Mz	-.029	4
61	MP2A	Y	-32	1
62	MP2A	My	-.016	1
63	MP2A	Mz	0	1
64	MP3A	Y	-21.85	1
65	MP3A	My	-.018	1
66	MP3A	Mz	-.018	1
67	MP3A	Y	-21.85	5.5
68	MP3A	My	-.018	5.5
69	MP3A	Mz	-.018	5.5
70	MP3B	Y	-21.85	1
71	MP3B	My	.026	1
72	MP3B	Mz	0	1
73	MP3B	Y	-21.85	5.5
74	MP3B	My	.026	5.5
75	MP3B	Mz	0	5.5
76	MP3C	Y	-21.85	1
77	MP3C	My	-.004	1
78	MP3C	Mz	.025	1
79	MP3C	Y	-21.85	5.5
80	MP3C	My	-.004	5.5
81	MP3C	Mz	.025	5.5
82	MP3A	Y	-32.3	1
83	MP3A	My	-.027	1
84	MP3A	Mz	.027	1
85	MP3A	Y	-32.3	5.5
86	MP3A	My	-.027	5.5
87	MP3A	Mz	.027	5.5
88	MP3B	Y	-32.3	1
89	MP3B	My	0	1
90	MP3B	Mz	-.038	1
91	MP3B	Y	-32.3	5.5
92	MP3B	My	0	5.5
93	MP3B	Mz	-.038	5.5
94	MP3C	Y	-32.3	1
95	MP3C	My	.037	1
96	MP3C	Mz	.007	1
97	MP3C	Y	-32.3	5.5
98	MP3C	My	.037	5.5
99	MP3C	Mz	.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP4A	Y	-43.55	1.6
101	MP4A	My	-.036	1.6
102	MP4A	Mz	0	1.6
103	MP4A	Y	-43.55	4.46
104	MP4A	My	-.036	4.46
105	MP4A	Mz	0	4.46
106	MP4B	Y	-43.55	1.6
107	MP4B	My	.026	1.6
108	MP4B	Mz	-.026	1.6
109	MP4B	Y	-43.55	4.46
110	MP4B	My	.026	4.46
111	MP4B	Mz	-.026	4.46
112	MP4C	Y	-43.55	1.6
113	MP4C	My	.021	1.6
114	MP4C	Mz	.03	1.6
115	MP4C	Y	-43.55	4.46
116	MP4C	My	.021	4.46
117	MP4C	Mz	.03	4.46
118	MP4A	Y	-9.35	1.5
119	MP4A	My	.009	1.5
120	MP4A	Mz	0	1.5
121	MP4A	Y	-9.35	1.5
122	MP4A	My	.009	1.5
123	MP4A	Mz	0	1.5
124	MP4B	Y	-9.35	1.5
125	MP4B	My	-.007	1.5
126	MP4B	Mz	.007	1.5
127	MP4B	Y	-9.35	1.5
128	MP4B	My	-.007	1.5
129	MP4B	Mz	.007	1.5
130	MP4C	Y	-9.35	1.5
131	MP4C	My	-.005	1.5
132	MP4C	Mz	-.008	1.5
133	MP4C	Y	-9.35	1.5
134	MP4C	My	-.005	1.5
135	MP4C	Mz	-.008	1.5
136	MP2B	Y	-32	1
137	MP2B	My	.011	1
138	MP2B	Mz	-.011	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	Y	-17.249	2
2	MP5B	My	-.003	2
3	MP5B	Mz	.003	2
4	MP5C	Y	-17.249	2
5	MP5C	My	-.002	2
6	MP5C	Mz	-.004	2
7	MP2A	Y	-50.66	1
8	MP2A	My	-.042	1
9	MP2A	Mz	0	1
10	MP2A	Y	-50.66	5.5
11	MP2A	My	-.042	5.5
12	MP2A	Mz	0	5.5
13	MP2B	Y	-50.66	1
14	MP2B	My	.03	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2B	Mz	-.03	1
16	MP2B	Y	-50.66	5.5
17	MP2B	My	.03	5.5
18	MP2B	Mz	-.03	5.5
19	MP2C	Y	-50.66	1
20	MP2C	My	.024	1
21	MP2C	Mz	.035	1
22	MP2C	Y	-50.66	5.5
23	MP2C	My	.024	5.5
24	MP2C	Mz	.035	5.5
25	MP1A	Y	-22.334	1.5
26	MP1A	My	.022	1.5
27	MP1A	Mz	0	1.5
28	MP1A	Y	-22.334	1.5
29	MP1A	My	.022	1.5
30	MP1A	Mz	0	1.5
31	MP1B	Y	-22.334	1.5
32	MP1B	My	-.016	1.5
33	MP1B	Mz	.016	1.5
34	MP1B	Y	-22.334	1.5
35	MP1B	My	-.016	1.5
36	MP1B	Mz	.016	1.5
37	MP1C	Y	-22.334	1.5
38	MP1C	My	-.013	1.5
39	MP1C	Mz	-.018	1.5
40	MP1C	Y	-22.334	1.5
41	MP1C	My	-.013	1.5
42	MP1C	Mz	-.018	1.5
43	MP1A	Y	-20.084	4
44	MP1A	My	.02	4
45	MP1A	Mz	0	4
46	MP1A	Y	-20.084	4
47	MP1A	My	.02	4
48	MP1A	Mz	0	4
49	MP1B	Y	-20.084	4
50	MP1B	My	-.014	4
51	MP1B	Mz	.014	4
52	MP1B	Y	-20.084	4
53	MP1B	My	-.014	4
54	MP1B	Mz	.014	4
55	MP1C	Y	-20.084	4
56	MP1C	My	-.012	4
57	MP1C	Mz	-.016	4
58	MP1C	Y	-20.084	4
59	MP1C	My	-.012	4
60	MP1C	Mz	-.016	4
61	MP2A	Y	-75.565	1
62	MP2A	My	-.038	1
63	MP2A	Mz	0	1
64	MP3A	Y	-60.286	1
65	MP3A	My	-.05	1
66	MP3A	Mz	-.05	1
67	MP3A	Y	-60.286	5.5
68	MP3A	My	-.05	5.5
69	MP3A	Mz	-.05	5.5
70	MP3B	Y	-60.286	1
71	MP3B	My	.071	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mz	0	1
73	MP3B	Y	-60.286	5.5
74	MP3B	My	.071	5.5
75	MP3B	Mz	0	5.5
76	MP3C	Y	-60.286	1
77	MP3C	My	-.012	1
78	MP3C	Mz	.07	1
79	MP3C	Y	-60.286	5.5
80	MP3C	My	-.012	5.5
81	MP3C	Mz	.07	5.5
82	MP3A	Y	-60.286	1
83	MP3A	My	-.05	1
84	MP3A	Mz	.05	1
85	MP3A	Y	-60.286	5.5
86	MP3A	My	-.05	5.5
87	MP3A	Mz	.05	5.5
88	MP3B	Y	-60.286	1
89	MP3B	My	0	1
90	MP3B	Mz	-.071	1
91	MP3B	Y	-60.286	5.5
92	MP3B	My	0	5.5
93	MP3B	Mz	-.071	5.5
94	MP3C	Y	-60.286	1
95	MP3C	My	.07	1
96	MP3C	Mz	.012	1
97	MP3C	Y	-60.286	5.5
98	MP3C	My	.07	5.5
99	MP3C	Mz	.012	5.5
100	MP4A	Y	-35.431	1.6
101	MP4A	My	-.03	1.6
102	MP4A	Mz	0	1.6
103	MP4A	Y	-35.431	4.46
104	MP4A	My	-.03	4.46
105	MP4A	Mz	0	4.46
106	MP4B	Y	-35.431	1.6
107	MP4B	My	.021	1.6
108	MP4B	Mz	-.021	1.6
109	MP4B	Y	-35.431	4.46
110	MP4B	My	.021	4.46
111	MP4B	Mz	-.021	4.46
112	MP4C	Y	-35.431	1.6
113	MP4C	My	.017	1.6
114	MP4C	Mz	.024	1.6
115	MP4C	Y	-35.431	4.46
116	MP4C	My	.017	4.46
117	MP4C	Mz	.024	4.46
118	MP4A	Y	-9.864	1.5
119	MP4A	My	.01	1.5
120	MP4A	Mz	0	1.5
121	MP4A	Y	-9.864	1.5
122	MP4A	My	.01	1.5
123	MP4A	Mz	0	1.5
124	MP4B	Y	-9.864	1.5
125	MP4B	My	-.007	1.5
126	MP4B	Mz	.007	1.5
127	MP4B	Y	-9.864	1.5
128	MP4B	My	-.007	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
129	MP4B	Mz	.007	1.5
130	MP4C	Y	-9.864	1.5
131	MP4C	My	-.006	1.5
132	MP4C	Mz	-.008	1.5
133	MP4C	Y	-9.864	1.5
134	MP4C	My	-.006	1.5
135	MP4C	Mz	-.008	1.5
136	MP2B	Y	-75.565	1
137	MP2B	My	.027	1
138	MP2B	Mz	-.027	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	0	2
2	MP5B	Z	-26.457	2
3	MP5B	Mx	-.005	2
4	MP5C	X	0	2
5	MP5C	Z	-21.62	2
6	MP5C	Mx	.004	2
7	MP2A	X	0	1
8	MP2A	Z	-164.726	1
9	MP2A	Mx	0	1
10	MP2A	X	0	5.5
11	MP2A	Z	-164.726	5.5
12	MP2A	Mx	0	5.5
13	MP2B	X	0	1
14	MP2B	Z	-123.87	1
15	MP2B	Mx	.073	1
16	MP2B	X	0	5.5
17	MP2B	Z	-123.87	5.5
18	MP2B	Mx	.073	5.5
19	MP2C	X	0	1
20	MP2C	Z	-109.896	1
21	MP2C	Mx	-.075	1
22	MP2C	X	0	5.5
23	MP2C	Z	-109.896	5.5
24	MP2C	Mx	-.075	5.5
25	MP1A	X	0	1.5
26	MP1A	Z	-32.776	1.5
27	MP1A	Mx	0	1.5
28	MP1A	X	0	1.5
29	MP1A	Z	-32.776	1.5
30	MP1A	Mx	0	1.5
31	MP1B	X	0	1.5
32	MP1B	Z	-27.384	1.5
33	MP1B	Mx	-.019	1.5
34	MP1B	X	0	1.5
35	MP1B	Z	-27.384	1.5
36	MP1B	Mx	-.019	1.5
37	MP1C	X	0	1.5
38	MP1C	Z	-25.54	1.5
39	MP1C	Mx	.021	1.5
40	MP1C	X	0	1.5
41	MP1C	Z	-25.54	1.5
42	MP1C	Mx	.021	1.5
43	MP1A	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP1A	Z	-32.776	4
45	MP1A	Mx	0	4
46	MP1A	X	0	4
47	MP1A	Z	-32.776	4
48	MP1A	Mx	0	4
49	MP1B	X	0	4
50	MP1B	Z	-25.375	4
51	MP1B	Mx	-.018	4
52	MP1B	X	0	4
53	MP1B	Z	-25.375	4
54	MP1B	Mx	-.018	4
55	MP1C	X	0	4
56	MP1C	Z	-22.844	4
57	MP1C	Mx	.019	4
58	MP1C	X	0	4
59	MP1C	Z	-22.844	4
60	MP1C	Mx	.019	4
61	MP2A	X	0	1
62	MP2A	Z	-160.286	1
63	MP2A	Mx	0	1
64	MP3A	X	0	1
65	MP3A	Z	-114.822	1
66	MP3A	Mx	.096	1
67	MP3A	X	0	5.5
68	MP3A	Z	-114.822	5.5
69	MP3A	Mx	.096	5.5
70	MP3B	X	0	1
71	MP3B	Z	-82.046	1
72	MP3B	Mx	0	1
73	MP3B	X	0	5.5
74	MP3B	Z	-82.046	5.5
75	MP3B	Mx	0	5.5
76	MP3C	X	0	1
77	MP3C	Z	-70.836	1
78	MP3C	Mx	-.082	1
79	MP3C	X	0	5.5
80	MP3C	Z	-70.836	5.5
81	MP3C	Mx	-.082	5.5
82	MP3A	X	0	1
83	MP3A	Z	-170.224	1
84	MP3A	Mx	-.142	1
85	MP3A	X	0	5.5
86	MP3A	Z	-170.224	5.5
87	MP3A	Mx	-.142	5.5
88	MP3B	X	0	1
89	MP3B	Z	-141.589	1
90	MP3B	Mx	.167	1
91	MP3B	X	0	5.5
92	MP3B	Z	-141.589	5.5
93	MP3B	Mx	.167	5.5
94	MP3C	X	0	1
95	MP3C	Z	-131.795	1
96	MP3C	Mx	-.027	1
97	MP3C	X	0	5.5
98	MP3C	Z	-131.795	5.5
99	MP3C	Mx	-.027	5.5
100	MP4A	X	0	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP4A	Z	-82.892	1.6
102	MP4A	Mx	0	1.6
103	MP4A	X	0	4.46
104	MP4A	Z	-82.892	4.46
105	MP4A	Mx	0	4.46
106	MP4B	X	0	1.6
107	MP4B	Z	-55.719	1.6
108	MP4B	Mx	.033	1.6
109	MP4B	X	0	4.46
110	MP4B	Z	-55.719	4.46
111	MP4B	Mx	.033	4.46
112	MP4C	X	0	1.6
113	MP4C	Z	-46.426	1.6
114	MP4C	Mx	-.032	1.6
115	MP4C	X	0	4.46
116	MP4C	Z	-46.426	4.46
117	MP4C	Mx	-.032	4.46
118	MP4A	X	0	1.5
119	MP4A	Z	-15.225	1.5
120	MP4A	Mx	0	1.5
121	MP4A	X	0	1.5
122	MP4A	Z	-15.225	1.5
123	MP4A	Mx	0	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	-11.207	1.5
126	MP4B	Mx	-.008	1.5
127	MP4B	X	0	1.5
128	MP4B	Z	-11.207	1.5
129	MP4B	Mx	-.008	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	-9.833	1.5
132	MP4C	Mx	.008	1.5
133	MP4C	X	0	1.5
134	MP4C	Z	-9.833	1.5
135	MP4C	Mx	.008	1.5
136	MP2B	X	0	1
137	MP2B	Z	-133.191	1
138	MP2B	Mx	.047	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	7.104	2
2	MP5B	Z	-12.305	2
3	MP5B	Mx	-.003	2
4	MP5C	X	17.774	2
5	MP5C	Z	-30.785	2
6	MP5C	Mx	.004	2
7	MP2A	X	72.149	1
8	MP2A	Z	-124.966	1
9	MP2A	Mx	-.06	1
10	MP2A	X	72.149	5.5
11	MP2A	Z	-124.966	5.5
12	MP2A	Mx	-.06	5.5
13	MP2B	X	44.244	1
14	MP2B	Z	-76.633	1
15	MP2B	Mx	.071	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2B	X	44.244	5.5
17	MP2B	Z	-76.633	5.5
18	MP2B	Mx	.071	5.5
19	MP2C	X	75.066	1
20	MP2C	Z	-130.018	1
21	MP2C	Mx	-.053	1
22	MP2C	X	75.066	5.5
23	MP2C	Z	-130.018	5.5
24	MP2C	Mx	-.053	5.5
25	MP1A	X	15.04	1.5
26	MP1A	Z	-26.05	1.5
27	MP1A	Mx	.015	1.5
28	MP1A	X	15.04	1.5
29	MP1A	Z	-26.05	1.5
30	MP1A	Mx	.015	1.5
31	MP1B	X	11.357	1.5
32	MP1B	Z	-19.671	1.5
33	MP1B	Mx	-.022	1.5
34	MP1B	X	11.357	1.5
35	MP1B	Z	-19.671	1.5
36	MP1B	Mx	-.022	1.5
37	MP1C	X	15.425	1.5
38	MP1C	Z	-26.717	1.5
39	MP1C	Mx	.013	1.5
40	MP1C	X	15.425	1.5
41	MP1C	Z	-26.717	1.5
42	MP1C	Mx	.013	1.5
43	MP1A	X	14.538	4
44	MP1A	Z	-25.18	4
45	MP1A	Mx	.015	4
46	MP1A	X	14.538	4
47	MP1A	Z	-25.18	4
48	MP1A	Mx	.015	4
49	MP1B	X	9.483	4
50	MP1B	Z	-16.425	4
51	MP1B	Mx	-.018	4
52	MP1B	X	9.483	4
53	MP1B	Z	-16.425	4
54	MP1B	Mx	-.018	4
55	MP1C	X	15.066	4
56	MP1C	Z	-26.095	4
57	MP1C	Mx	.013	4
58	MP1C	X	15.066	4
59	MP1C	Z	-26.095	4
60	MP1C	Mx	.013	4
61	MP2A	X	73.369	1
62	MP2A	Z	-127.079	1
63	MP2A	Mx	-.037	1
64	MP3A	X	49.217	1
65	MP3A	Z	-85.246	1
66	MP3A	Mx	.03	1
67	MP3A	X	49.217	5.5
68	MP3A	Z	-85.246	5.5
69	MP3A	Mx	.03	5.5
70	MP3B	X	26.831	1
71	MP3B	Z	-46.472	1
72	MP3B	Mx	.032	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3B	X	26.831	5.5
74	MP3B	Z	-46.472	5.5
75	MP3B	Mx	.032	5.5
76	MP3C	X	51.557	1
77	MP3C	Z	-89.299	1
78	MP3C	Mx	-.114	1
79	MP3C	X	51.557	5.5
80	MP3C	Z	-89.299	5.5
81	MP3C	Mx	-.114	5.5
82	MP3A	X	77.953	1
83	MP3A	Z	-135.019	1
84	MP3A	Mx	-.177	1
85	MP3A	X	77.953	5.5
86	MP3A	Z	-135.019	5.5
87	MP3A	Mx	-.177	5.5
88	MP3B	X	58.395	1
89	MP3B	Z	-101.144	1
90	MP3B	Mx	.119	1
91	MP3B	X	58.395	5.5
92	MP3B	Z	-101.144	5.5
93	MP3B	Mx	.119	5.5
94	MP3C	X	79.998	1
95	MP3C	Z	-138.56	1
96	MP3C	Mx	.064	1
97	MP3C	X	79.998	5.5
98	MP3C	Z	-138.56	5.5
99	MP3C	Mx	.064	5.5
100	MP4A	X	34.653	1.6
101	MP4A	Z	-60.02	1.6
102	MP4A	Mx	-.029	1.6
103	MP4A	X	34.653	4.46
104	MP4A	Z	-60.02	4.46
105	MP4A	Mx	-.029	4.46
106	MP4B	X	16.094	1.6
107	MP4B	Z	-27.875	1.6
108	MP4B	Mx	.026	1.6
109	MP4B	X	16.094	4.46
110	MP4B	Z	-27.875	4.46
111	MP4B	Mx	.026	4.46
112	MP4C	X	36.593	1.6
113	MP4C	Z	-63.38	1.6
114	MP4C	Mx	-.026	1.6
115	MP4C	X	36.593	4.46
116	MP4C	Z	-63.38	4.46
117	MP4C	Mx	-.026	4.46
118	MP4A	X	6.608	1.5
119	MP4A	Z	-11.446	1.5
120	MP4A	Mx	.007	1.5
121	MP4A	X	6.608	1.5
122	MP4A	Z	-11.446	1.5
123	MP4A	Mx	.007	1.5
124	MP4B	X	3.864	1.5
125	MP4B	Z	-6.693	1.5
126	MP4B	Mx	-.007	1.5
127	MP4B	X	3.864	1.5
128	MP4B	Z	-6.693	1.5
129	MP4B	Mx	-.007	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
130	MP4C	X	6.895	1.5
131	MP4C	Z	-11.942	1.5
132	MP4C	Mx	.006	1.5
133	MP4C	X	6.895	1.5
134	MP4C	Z	-11.942	1.5
135	MP4C	Mx	.006	1.5
136	MP2B	X	54.863	1
137	MP2B	Z	-95.026	1
138	MP2B	Mx	.053	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	12.305	2
2	MP5B	Z	-7.104	2
3	MP5B	Mx	-.003	2
4	MP5C	X	34.975	2
5	MP5C	Z	-20.193	2
6	MP5C	Mx	-.00088	2
7	MP2A	X	89.583	1
8	MP2A	Z	-51.721	1
9	MP2A	Mx	-.075	1
10	MP2A	X	89.583	5.5
11	MP2A	Z	-51.721	5.5
12	MP2A	Mx	-.075	5.5
13	MP2B	X	76.633	1
14	MP2B	Z	-44.244	1
15	MP2B	Mx	.071	1
16	MP2B	X	76.633	5.5
17	MP2B	Z	-44.244	5.5
18	MP2B	Mx	.071	5.5
19	MP2C	X	142.12	1
20	MP2C	Z	-82.053	1
21	MP2C	Mx	.012	1
22	MP2C	X	142.12	5.5
23	MP2C	Z	-82.053	5.5
24	MP2C	Mx	.012	5.5
25	MP1A	X	21.38	1.5
26	MP1A	Z	-12.344	1.5
27	MP1A	Mx	.021	1.5
28	MP1A	X	21.38	1.5
29	MP1A	Z	-12.344	1.5
30	MP1A	Mx	.021	1.5
31	MP1B	X	19.671	1.5
32	MP1B	Z	-11.357	1.5
33	MP1B	Mx	-.022	1.5
34	MP1B	X	19.671	1.5
35	MP1B	Z	-11.357	1.5
36	MP1B	Mx	-.022	1.5
37	MP1C	X	28.314	1.5
38	MP1C	Z	-16.347	1.5
39	MP1C	Mx	-.003	1.5
40	MP1C	X	28.314	1.5
41	MP1C	Z	-16.347	1.5
42	MP1C	Mx	-.003	1.5
43	MP1A	X	18.771	4
44	MP1A	Z	-10.837	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1A	Mx	.019	4
46	MP1A	X	18.771	4
47	MP1A	Z	-10.837	4
48	MP1A	Mx	.019	4
49	MP1B	X	16.425	4
50	MP1B	Z	-9.483	4
51	MP1B	Mx	-.018	4
52	MP1B	X	16.425	4
53	MP1B	Z	-9.483	4
54	MP1B	Mx	-.018	4
55	MP1C	X	28.288	4
56	MP1C	Z	-16.332	4
57	MP1C	Mx	-.003	4
58	MP1C	X	28.288	4
59	MP1C	Z	-16.332	4
60	MP1C	Mx	-.003	4
61	MP2A	X	103.615	1
62	MP2A	Z	-59.822	1
63	MP2A	Mx	-.052	1
64	MP3A	X	56.861	1
65	MP3A	Z	-32.829	1
66	MP3A	Mx	-.02	1
67	MP3A	X	56.861	5.5
68	MP3A	Z	-32.829	5.5
69	MP3A	Mx	-.02	5.5
70	MP3B	X	46.472	1
71	MP3B	Z	-26.831	1
72	MP3B	Mx	.055	1
73	MP3B	X	46.472	5.5
74	MP3B	Z	-26.831	5.5
75	MP3B	Mx	.055	5.5
76	MP3C	X	99.008	1
77	MP3C	Z	-57.162	1
78	MP3C	Mx	-.087	1
79	MP3C	X	99.008	5.5
80	MP3C	Z	-57.162	5.5
81	MP3C	Mx	-.087	5.5
82	MP3A	X	110.221	1
83	MP3A	Z	-63.636	1
84	MP3A	Mx	-.145	1
85	MP3A	X	110.221	5.5
86	MP3A	Z	-63.636	5.5
87	MP3A	Mx	-.145	5.5
88	MP3B	X	101.144	1
89	MP3B	Z	-58.395	1
90	MP3B	Mx	.069	1
91	MP3B	X	101.144	5.5
92	MP3B	Z	-58.395	5.5
93	MP3B	Mx	.069	5.5
94	MP3C	X	147.042	1
95	MP3C	Z	-84.895	1
96	MP3C	Mx	.153	1
97	MP3C	X	147.042	5.5
98	MP3C	Z	-84.895	5.5
99	MP3C	Mx	.153	5.5
100	MP4A	X	36.488	1.6
101	MP4A	Z	-21.067	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP4A	Mx	-.03	1.6
103	MP4A	X	36.488	4.46
104	MP4A	Z	-21.067	4.46
105	MP4A	Mx	-.03	4.46
106	MP4B	X	27.875	1.6
107	MP4B	Z	-16.094	1.6
108	MP4B	Mx	.026	1.6
109	MP4B	X	27.875	4.46
110	MP4B	Z	-16.094	4.46
111	MP4B	Mx	.026	4.46
112	MP4C	X	71.429	1.6
113	MP4C	Z	-41.239	1.6
114	MP4C	Mx	.006	1.6
115	MP4C	X	71.429	4.46
116	MP4C	Z	-41.239	4.46
117	MP4C	Mx	.006	4.46
118	MP4A	X	7.966	1.5
119	MP4A	Z	-4.599	1.5
120	MP4A	Mx	.008	1.5
121	MP4A	X	7.966	1.5
122	MP4A	Z	-4.599	1.5
123	MP4A	Mx	.008	1.5
124	MP4B	X	6.693	1.5
125	MP4B	Z	-3.864	1.5
126	MP4B	Mx	-.007	1.5
127	MP4B	X	6.693	1.5
128	MP4B	Z	-3.864	1.5
129	MP4B	Mx	-.007	1.5
130	MP4C	X	13.132	1.5
131	MP4C	Z	-7.582	1.5
132	MP4C	Mx	-.001	1.5
133	MP4C	X	13.132	1.5
134	MP4C	Z	-7.582	1.5
135	MP4C	Mx	-.001	1.5
136	MP2B	X	95.026	1
137	MP2B	Z	-54.863	1
138	MP2B	Mx	.053	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	26.457	2
2	MP5B	Z	0	2
3	MP5B	Mx	-.005	2
4	MP5C	X	31.294	2
5	MP5C	Z	0	2
6	MP5C	Mx	-.004	2
7	MP2A	X	83.014	1
8	MP2A	Z	0	1
9	MP2A	Mx	-.069	1
10	MP2A	X	83.014	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.069	5.5
13	MP2B	X	123.87	1
14	MP2B	Z	0	1
15	MP2B	Mx	.073	1
16	MP2B	X	123.87	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2B	Z	0	5.5
18	MP2B	Mx	.073	5.5
19	MP2C	X	137.844	1
20	MP2C	Z	0	1
21	MP2C	Mx	.066	1
22	MP2C	X	137.844	5.5
23	MP2C	Z	0	5.5
24	MP2C	Mx	.066	5.5
25	MP1A	X	21.992	1.5
26	MP1A	Z	0	1.5
27	MP1A	Mx	.022	1.5
28	MP1A	X	21.992	1.5
29	MP1A	Z	0	1.5
30	MP1A	Mx	.022	1.5
31	MP1B	X	27.384	1.5
32	MP1B	Z	0	1.5
33	MP1B	Mx	-.019	1.5
34	MP1B	X	27.384	1.5
35	MP1B	Z	0	1.5
36	MP1B	Mx	-.019	1.5
37	MP1C	X	29.228	1.5
38	MP1C	Z	0	1.5
39	MP1C	Mx	-.017	1.5
40	MP1C	X	29.228	1.5
41	MP1C	Z	0	1.5
42	MP1C	Mx	-.017	1.5
43	MP1A	X	17.974	4
44	MP1A	Z	0	4
45	MP1A	Mx	.018	4
46	MP1A	X	17.974	4
47	MP1A	Z	0	4
48	MP1A	Mx	.018	4
49	MP1B	X	25.375	4
50	MP1B	Z	0	4
51	MP1B	Mx	-.018	4
52	MP1B	X	25.375	4
53	MP1B	Z	0	4
54	MP1B	Mx	-.018	4
55	MP1C	X	27.906	4
56	MP1C	Z	0	4
57	MP1C	Mx	-.016	4
58	MP1C	X	27.906	4
59	MP1C	Z	0	4
60	MP1C	Mx	-.016	4
61	MP2A	X	106.096	1
62	MP2A	Z	0	1
63	MP2A	Mx	-.053	1
64	MP3A	X	49.27	1
65	MP3A	Z	0	1
66	MP3A	Mx	-.041	1
67	MP3A	X	49.27	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	-.041	5.5
70	MP3B	X	82.046	1
71	MP3B	Z	0	1
72	MP3B	Mx	.097	1
73	MP3B	X	82.046	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3B	Z	0	5.5
75	MP3B	Mx	.097	5.5
76	MP3C	X	93.256	1
77	MP3C	Z	0	1
78	MP3C	Mx	-.019	1
79	MP3C	X	93.256	5.5
80	MP3C	Z	0	5.5
81	MP3C	Mx	-.019	5.5
82	MP3A	X	112.954	1
83	MP3A	Z	0	1
84	MP3A	Mx	-.094	1
85	MP3A	X	112.954	5.5
86	MP3A	Z	0	5.5
87	MP3A	Mx	-.094	5.5
88	MP3B	X	141.589	1
89	MP3B	Z	0	1
90	MP3B	Mx	0	1
91	MP3B	X	141.589	5.5
92	MP3B	Z	0	5.5
93	MP3B	Mx	0	5.5
94	MP3C	X	151.383	1
95	MP3C	Z	0	1
96	MP3C	Mx	.176	1
97	MP3C	X	151.383	5.5
98	MP3C	Z	0	5.5
99	MP3C	Mx	.176	5.5
100	MP4A	X	28.547	1.6
101	MP4A	Z	0	1.6
102	MP4A	Mx	-.024	1.6
103	MP4A	X	28.547	4.46
104	MP4A	Z	0	4.46
105	MP4A	Mx	-.024	4.46
106	MP4B	X	55.719	1.6
107	MP4B	Z	0	1.6
108	MP4B	Mx	.033	1.6
109	MP4B	X	55.719	4.46
110	MP4B	Z	0	4.46
111	MP4B	Mx	.033	4.46
112	MP4C	X	65.013	1.6
113	MP4C	Z	0	1.6
114	MP4C	Mx	.031	1.6
115	MP4C	X	65.013	4.46
116	MP4C	Z	0	4.46
117	MP4C	Mx	.031	4.46
118	MP4A	X	7.19	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	.007	1.5
121	MP4A	X	7.19	1.5
122	MP4A	Z	0	1.5
123	MP4A	Mx	.007	1.5
124	MP4B	X	11.207	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	-.008	1.5
127	MP4B	X	11.207	1.5
128	MP4B	Z	0	1.5
129	MP4B	Mx	-.008	1.5
130	MP4C	X	12.581	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
131	MP4C	Z	0	1.5
132	MP4C	Mx	-.007	1.5
133	MP4C	X	12.581	1.5
134	MP4C	Z	0	1.5
135	MP4C	Mx	-.007	1.5
136	MP2B	X	133.191	1
137	MP2B	Z	0	1
138	MP2B	Mx	.047	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	33.52	2
2	MP5B	Z	19.353	2
3	MP5B	Mx	-.003	2
4	MP5C	X	15.04	2
5	MP5C	Z	8.683	2
6	MP5C	Mx	-.004	2
7	MP2A	X	89.583	1
8	MP2A	Z	51.721	1
9	MP2A	Mx	-.075	1
10	MP2A	X	89.583	5.5
11	MP2A	Z	51.721	5.5
12	MP2A	Mx	-.075	5.5
13	MP2B	X	137.917	1
14	MP2B	Z	79.626	1
15	MP2B	Mx	.034	1
16	MP2B	X	137.917	5.5
17	MP2B	Z	79.626	5.5
18	MP2B	Mx	.034	5.5
19	MP2C	X	84.531	1
20	MP2C	Z	48.804	1
21	MP2C	Mx	.074	1
22	MP2C	X	84.531	5.5
23	MP2C	Z	48.804	5.5
24	MP2C	Mx	.074	5.5
25	MP1A	X	21.38	1.5
26	MP1A	Z	12.344	1.5
27	MP1A	Mx	.021	1.5
28	MP1A	X	21.38	1.5
29	MP1A	Z	12.344	1.5
30	MP1A	Mx	.021	1.5
31	MP1B	X	27.759	1.5
32	MP1B	Z	16.027	1.5
33	MP1B	Mx	-.008	1.5
34	MP1B	X	27.759	1.5
35	MP1B	Z	16.027	1.5
36	MP1B	Mx	-.008	1.5
37	MP1C	X	20.713	1.5
38	MP1C	Z	11.959	1.5
39	MP1C	Mx	-.022	1.5
40	MP1C	X	20.713	1.5
41	MP1C	Z	11.959	1.5
42	MP1C	Mx	-.022	1.5
43	MP1A	X	18.771	4
44	MP1A	Z	10.837	4
45	MP1A	Mx	.019	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP1A	X	18.771	4
47	MP1A	Z	10.837	4
48	MP1A	Mx	.019	4
49	MP1B	X	27.526	4
50	MP1B	Z	15.892	4
51	MP1B	Mx	-.008	4
52	MP1B	X	27.526	4
53	MP1B	Z	15.892	4
54	MP1B	Mx	-.008	4
55	MP1C	X	17.855	4
56	MP1C	Z	10.309	4
57	MP1C	Mx	-.019	4
58	MP1C	X	17.855	4
59	MP1C	Z	10.309	4
60	MP1C	Mx	-.019	4
61	MP2A	X	103.615	1
62	MP2A	Z	59.822	1
63	MP2A	Mx	-.052	1
64	MP3A	X	56.861	1
65	MP3A	Z	32.829	1
66	MP3A	Mx	-.075	1
67	MP3A	X	56.861	5.5
68	MP3A	Z	32.829	5.5
69	MP3A	Mx	-.075	5.5
70	MP3B	X	95.636	1
71	MP3B	Z	55.215	1
72	MP3B	Mx	.113	1
73	MP3B	X	95.636	5.5
74	MP3B	Z	55.215	5.5
75	MP3B	Mx	.113	5.5
76	MP3C	X	52.808	1
77	MP3C	Z	30.489	1
78	MP3C	Mx	.025	1
79	MP3C	X	52.808	5.5
80	MP3C	Z	30.489	5.5
81	MP3C	Mx	.025	5.5
82	MP3A	X	110.221	1
83	MP3A	Z	63.636	1
84	MP3A	Mx	-.039	1
85	MP3A	X	110.221	5.5
86	MP3A	Z	63.636	5.5
87	MP3A	Mx	-.039	5.5
88	MP3B	X	144.096	1
89	MP3B	Z	83.194	1
90	MP3B	Mx	-.098	1
91	MP3B	X	144.096	5.5
92	MP3B	Z	83.194	5.5
93	MP3B	Mx	-.098	5.5
94	MP3C	X	106.68	1
95	MP3C	Z	61.591	1
96	MP3C	Mx	.136	1
97	MP3C	X	106.68	5.5
98	MP3C	Z	61.591	5.5
99	MP3C	Mx	.136	5.5
100	MP4A	X	36.488	1.6
101	MP4A	Z	21.067	1.6
102	MP4A	Mx	-.03	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP4A	X	36.488	4.46
104	MP4A	Z	21.067	4.46
105	MP4A	Mx	-.03	4.46
106	MP4B	X	68.634	1.6
107	MP4B	Z	39.626	1.6
108	MP4B	Mx	.017	1.6
109	MP4B	X	68.634	4.46
110	MP4B	Z	39.626	4.46
111	MP4B	Mx	.017	4.46
112	MP4C	X	33.128	1.6
113	MP4C	Z	19.127	1.6
114	MP4C	Mx	.029	1.6
115	MP4C	X	33.128	4.46
116	MP4C	Z	19.127	4.46
117	MP4C	Mx	.029	4.46
118	MP4A	X	7.966	1.5
119	MP4A	Z	4.599	1.5
120	MP4A	Mx	.008	1.5
121	MP4A	X	7.966	1.5
122	MP4A	Z	4.599	1.5
123	MP4A	Mx	.008	1.5
124	MP4B	X	12.719	1.5
125	MP4B	Z	7.343	1.5
126	MP4B	Mx	-.004	1.5
127	MP4B	X	12.719	1.5
128	MP4B	Z	7.343	1.5
129	MP4B	Mx	-.004	1.5
130	MP4C	X	7.469	1.5
131	MP4C	Z	4.312	1.5
132	MP4C	Mx	-.008	1.5
133	MP4C	X	7.469	1.5
134	MP4C	Z	4.312	1.5
135	MP4C	Mx	-.008	1.5
136	MP2B	X	135.668	1
137	MP2B	Z	78.328	1
138	MP2B	Mx	.02	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	19.353	2
2	MP5B	Z	33.52	2
3	MP5B	Mx	.003	2
4	MP5C	X	6.265	2
5	MP5C	Z	10.85	2
6	MP5C	Mx	-.003	2
7	MP2A	X	72.149	1
8	MP2A	Z	124.966	1
9	MP2A	Mx	-.06	1
10	MP2A	X	72.149	5.5
11	MP2A	Z	124.966	5.5
12	MP2A	Mx	-.06	5.5
13	MP2B	X	79.626	1
14	MP2B	Z	137.917	1
15	MP2B	Mx	-.034	1
16	MP2B	X	79.626	5.5
17	MP2B	Z	137.917	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2B	Mx	-.034	5.5
19	MP2C	X	41.817	1
20	MP2C	Z	72.43	1
21	MP2C	Mx	.069	1
22	MP2C	X	41.817	5.5
23	MP2C	Z	72.43	5.5
24	MP2C	Mx	.069	5.5
25	MP1A	X	15.04	1.5
26	MP1A	Z	26.05	1.5
27	MP1A	Mx	.015	1.5
28	MP1A	X	15.04	1.5
29	MP1A	Z	26.05	1.5
30	MP1A	Mx	.015	1.5
31	MP1B	X	16.027	1.5
32	MP1B	Z	27.759	1.5
33	MP1B	Mx	.008	1.5
34	MP1B	X	16.027	1.5
35	MP1B	Z	27.759	1.5
36	MP1B	Mx	.008	1.5
37	MP1C	X	11.037	1.5
38	MP1C	Z	19.116	1.5
39	MP1C	Mx	-.022	1.5
40	MP1C	X	11.037	1.5
41	MP1C	Z	19.116	1.5
42	MP1C	Mx	-.022	1.5
43	MP1A	X	14.538	4
44	MP1A	Z	25.18	4
45	MP1A	Mx	.015	4
46	MP1A	X	14.538	4
47	MP1A	Z	25.18	4
48	MP1A	Mx	.015	4
49	MP1B	X	15.892	4
50	MP1B	Z	27.526	4
51	MP1B	Mx	.008	4
52	MP1B	X	15.892	4
53	MP1B	Z	27.526	4
54	MP1B	Mx	.008	4
55	MP1C	X	9.043	4
56	MP1C	Z	15.663	4
57	MP1C	Mx	-.018	4
58	MP1C	X	9.043	4
59	MP1C	Z	15.663	4
60	MP1C	Mx	-.018	4
61	MP2A	X	73.369	1
62	MP2A	Z	127.079	1
63	MP2A	Mx	-.037	1
64	MP3A	X	49.217	1
65	MP3A	Z	85.246	1
66	MP3A	Mx	-.112	1
67	MP3A	X	49.217	5.5
68	MP3A	Z	85.246	5.5
69	MP3A	Mx	-.112	5.5
70	MP3B	X	55.215	1
71	MP3B	Z	95.636	1
72	MP3B	Mx	.065	1
73	MP3B	X	55.215	5.5
74	MP3B	Z	95.636	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3B	Mx	.065	5.5
76	MP3C	X	24.884	1
77	MP3C	Z	43.1	1
78	MP3C	Mx	.045	1
79	MP3C	X	24.884	5.5
80	MP3C	Z	43.1	5.5
81	MP3C	Mx	.045	5.5
82	MP3A	X	77.953	1
83	MP3A	Z	135.019	1
84	MP3A	Mx	.048	1
85	MP3A	X	77.953	5.5
86	MP3A	Z	135.019	5.5
87	MP3A	Mx	.048	5.5
88	MP3B	X	83.194	1
89	MP3B	Z	144.096	1
90	MP3B	Mx	-.17	1
91	MP3B	X	83.194	5.5
92	MP3B	Z	144.096	5.5
93	MP3B	Mx	-.17	5.5
94	MP3C	X	56.695	1
95	MP3C	Z	98.198	1
96	MP3C	Mx	.086	1
97	MP3C	X	56.695	5.5
98	MP3C	Z	98.198	5.5
99	MP3C	Mx	.086	5.5
100	MP4A	X	34.653	1.6
101	MP4A	Z	60.02	1.6
102	MP4A	Mx	-.029	1.6
103	MP4A	X	34.653	4.46
104	MP4A	Z	60.02	4.46
105	MP4A	Mx	-.029	4.46
106	MP4B	X	39.626	1.6
107	MP4B	Z	68.634	1.6
108	MP4B	Mx	-.017	1.6
109	MP4B	X	39.626	4.46
110	MP4B	Z	68.634	4.46
111	MP4B	Mx	-.017	4.46
112	MP4C	X	14.48	1.6
113	MP4C	Z	25.08	1.6
114	MP4C	Mx	.024	1.6
115	MP4C	X	14.48	4.46
116	MP4C	Z	25.08	4.46
117	MP4C	Mx	.024	4.46
118	MP4A	X	6.608	1.5
119	MP4A	Z	11.446	1.5
120	MP4A	Mx	.007	1.5
121	MP4A	X	6.608	1.5
122	MP4A	Z	11.446	1.5
123	MP4A	Mx	.007	1.5
124	MP4B	X	7.343	1.5
125	MP4B	Z	12.719	1.5
126	MP4B	Mx	.004	1.5
127	MP4B	X	7.343	1.5
128	MP4B	Z	12.719	1.5
129	MP4B	Mx	.004	1.5
130	MP4C	X	3.625	1.5
131	MP4C	Z	6.279	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
132	MP4C	Mx	-.007	1.5
133	MP4C	X	3.625	1.5
134	MP4C	Z	6.279	1.5
135	MP4C	Mx	-.007	1.5
136	MP2B	X	78.328	1
137	MP2B	Z	135.668	1
138	MP2B	Mx	-.02	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	0	2
2	MP5B	Z	26.457	2
3	MP5B	Mx	.005	2
4	MP5C	X	0	2
5	MP5C	Z	21.62	2
6	MP5C	Mx	-.004	2
7	MP2A	X	0	1
8	MP2A	Z	164.726	1
9	MP2A	Mx	0	1
10	MP2A	X	0	5.5
11	MP2A	Z	164.726	5.5
12	MP2A	Mx	0	5.5
13	MP2B	X	0	1
14	MP2B	Z	123.87	1
15	MP2B	Mx	-.073	1
16	MP2B	X	0	5.5
17	MP2B	Z	123.87	5.5
18	MP2B	Mx	-.073	5.5
19	MP2C	X	0	1
20	MP2C	Z	109.896	1
21	MP2C	Mx	.075	1
22	MP2C	X	0	5.5
23	MP2C	Z	109.896	5.5
24	MP2C	Mx	.075	5.5
25	MP1A	X	0	1.5
26	MP1A	Z	32.776	1.5
27	MP1A	Mx	0	1.5
28	MP1A	X	0	1.5
29	MP1A	Z	32.776	1.5
30	MP1A	Mx	0	1.5
31	MP1B	X	0	1.5
32	MP1B	Z	27.384	1.5
33	MP1B	Mx	.019	1.5
34	MP1B	X	0	1.5
35	MP1B	Z	27.384	1.5
36	MP1B	Mx	.019	1.5
37	MP1C	X	0	1.5
38	MP1C	Z	25.54	1.5
39	MP1C	Mx	-.021	1.5
40	MP1C	X	0	1.5
41	MP1C	Z	25.54	1.5
42	MP1C	Mx	-.021	1.5
43	MP1A	X	0	4
44	MP1A	Z	32.776	4
45	MP1A	Mx	0	4
46	MP1A	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP1A	Z	32.776	4
48	MP1A	Mx	0	4
49	MP1B	X	0	4
50	MP1B	Z	25.375	4
51	MP1B	Mx	.018	4
52	MP1B	X	0	4
53	MP1B	Z	25.375	4
54	MP1B	Mx	.018	4
55	MP1C	X	0	4
56	MP1C	Z	22.844	4
57	MP1C	Mx	-.019	4
58	MP1C	X	0	4
59	MP1C	Z	22.844	4
60	MP1C	Mx	-.019	4
61	MP2A	X	0	1
62	MP2A	Z	160.286	1
63	MP2A	Mx	0	1
64	MP3A	X	0	1
65	MP3A	Z	114.822	1
66	MP3A	Mx	-.096	1
67	MP3A	X	0	5.5
68	MP3A	Z	114.822	5.5
69	MP3A	Mx	-.096	5.5
70	MP3B	X	0	1
71	MP3B	Z	82.046	1
72	MP3B	Mx	0	1
73	MP3B	X	0	5.5
74	MP3B	Z	82.046	5.5
75	MP3B	Mx	0	5.5
76	MP3C	X	0	1
77	MP3C	Z	70.836	1
78	MP3C	Mx	.082	1
79	MP3C	X	0	5.5
80	MP3C	Z	70.836	5.5
81	MP3C	Mx	.082	5.5
82	MP3A	X	0	1
83	MP3A	Z	170.224	1
84	MP3A	Mx	.142	1
85	MP3A	X	0	5.5
86	MP3A	Z	170.224	5.5
87	MP3A	Mx	.142	5.5
88	MP3B	X	0	1
89	MP3B	Z	141.589	1
90	MP3B	Mx	-.167	1
91	MP3B	X	0	5.5
92	MP3B	Z	141.589	5.5
93	MP3B	Mx	-.167	5.5
94	MP3C	X	0	1
95	MP3C	Z	131.795	1
96	MP3C	Mx	.027	1
97	MP3C	X	0	5.5
98	MP3C	Z	131.795	5.5
99	MP3C	Mx	.027	5.5
100	MP4A	X	0	1.6
101	MP4A	Z	82.892	1.6
102	MP4A	Mx	0	1.6
103	MP4A	X	0	4.46

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
104	MP4A	Z	82.892	4.46
105	MP4A	Mx	0	4.46
106	MP4B	X	0	1.6
107	MP4B	Z	55.719	1.6
108	MP4B	Mx	-.033	1.6
109	MP4B	X	0	4.46
110	MP4B	Z	55.719	4.46
111	MP4B	Mx	-.033	4.46
112	MP4C	X	0	1.6
113	MP4C	Z	46.426	1.6
114	MP4C	Mx	.032	1.6
115	MP4C	X	0	4.46
116	MP4C	Z	46.426	4.46
117	MP4C	Mx	.032	4.46
118	MP4A	X	0	1.5
119	MP4A	Z	15.225	1.5
120	MP4A	Mx	0	1.5
121	MP4A	X	0	1.5
122	MP4A	Z	15.225	1.5
123	MP4A	Mx	0	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	11.207	1.5
126	MP4B	Mx	.008	1.5
127	MP4B	X	0	1.5
128	MP4B	Z	11.207	1.5
129	MP4B	Mx	.008	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	9.833	1.5
132	MP4C	Mx	-.008	1.5
133	MP4C	X	0	1.5
134	MP4C	Z	9.833	1.5
135	MP4C	Mx	-.008	1.5
136	MP2B	X	0	1
137	MP2B	Z	133.191	1
138	MP2B	Mx	-.047	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-7.104	2
2	MP5B	Z	12.305	2
3	MP5B	Mx	.003	2
4	MP5C	X	-17.774	2
5	MP5C	Z	30.785	2
6	MP5C	Mx	-.004	2
7	MP2A	X	-72.149	1
8	MP2A	Z	124.966	1
9	MP2A	Mx	.06	1
10	MP2A	X	-72.149	5.5
11	MP2A	Z	124.966	5.5
12	MP2A	Mx	.06	5.5
13	MP2B	X	-44.244	1
14	MP2B	Z	76.633	1
15	MP2B	Mx	-.071	1
16	MP2B	X	-44.244	5.5
17	MP2B	Z	76.633	5.5
18	MP2B	Mx	-.071	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2C	X	-75.066	1
20	MP2C	Z	130.018	1
21	MP2C	Mx	.053	1
22	MP2C	X	-75.066	5.5
23	MP2C	Z	130.018	5.5
24	MP2C	Mx	.053	5.5
25	MP1A	X	-15.04	1.5
26	MP1A	Z	26.05	1.5
27	MP1A	Mx	-.015	1.5
28	MP1A	X	-15.04	1.5
29	MP1A	Z	26.05	1.5
30	MP1A	Mx	-.015	1.5
31	MP1B	X	-11.357	1.5
32	MP1B	Z	19.671	1.5
33	MP1B	Mx	.022	1.5
34	MP1B	X	-11.357	1.5
35	MP1B	Z	19.671	1.5
36	MP1B	Mx	.022	1.5
37	MP1C	X	-15.425	1.5
38	MP1C	Z	26.717	1.5
39	MP1C	Mx	-.013	1.5
40	MP1C	X	-15.425	1.5
41	MP1C	Z	26.717	1.5
42	MP1C	Mx	-.013	1.5
43	MP1A	X	-14.538	4
44	MP1A	Z	25.18	4
45	MP1A	Mx	-.015	4
46	MP1A	X	-14.538	4
47	MP1A	Z	25.18	4
48	MP1A	Mx	-.015	4
49	MP1B	X	-9.483	4
50	MP1B	Z	16.425	4
51	MP1B	Mx	.018	4
52	MP1B	X	-9.483	4
53	MP1B	Z	16.425	4
54	MP1B	Mx	.018	4
55	MP1C	X	-15.066	4
56	MP1C	Z	26.095	4
57	MP1C	Mx	-.013	4
58	MP1C	X	-15.066	4
59	MP1C	Z	26.095	4
60	MP1C	Mx	-.013	4
61	MP2A	X	-73.369	1
62	MP2A	Z	127.079	1
63	MP2A	Mx	.037	1
64	MP3A	X	-49.217	1
65	MP3A	Z	85.246	1
66	MP3A	Mx	-.03	1
67	MP3A	X	-49.217	5.5
68	MP3A	Z	85.246	5.5
69	MP3A	Mx	-.03	5.5
70	MP3B	X	-26.831	1
71	MP3B	Z	46.472	1
72	MP3B	Mx	-.032	1
73	MP3B	X	-26.831	5.5
74	MP3B	Z	46.472	5.5
75	MP3B	Mx	-.032	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP3C	X	-51.557	1
77	MP3C	Z	89.299	1
78	MP3C	Mx	.114	1
79	MP3C	X	-51.557	5.5
80	MP3C	Z	89.299	5.5
81	MP3C	Mx	.114	5.5
82	MP3A	X	-77.953	1
83	MP3A	Z	135.019	1
84	MP3A	Mx	.177	1
85	MP3A	X	-77.953	5.5
86	MP3A	Z	135.019	5.5
87	MP3A	Mx	.177	5.5
88	MP3B	X	-58.395	1
89	MP3B	Z	101.144	1
90	MP3B	Mx	-.119	1
91	MP3B	X	-58.395	5.5
92	MP3B	Z	101.144	5.5
93	MP3B	Mx	-.119	5.5
94	MP3C	X	-79.998	1
95	MP3C	Z	138.56	1
96	MP3C	Mx	-.064	1
97	MP3C	X	-79.998	5.5
98	MP3C	Z	138.56	5.5
99	MP3C	Mx	-.064	5.5
100	MP4A	X	-34.653	1.6
101	MP4A	Z	60.02	1.6
102	MP4A	Mx	.029	1.6
103	MP4A	X	-34.653	4.46
104	MP4A	Z	60.02	4.46
105	MP4A	Mx	.029	4.46
106	MP4B	X	-16.094	1.6
107	MP4B	Z	27.875	1.6
108	MP4B	Mx	-.026	1.6
109	MP4B	X	-16.094	4.46
110	MP4B	Z	27.875	4.46
111	MP4B	Mx	-.026	4.46
112	MP4C	X	-36.593	1.6
113	MP4C	Z	63.38	1.6
114	MP4C	Mx	.026	1.6
115	MP4C	X	-36.593	4.46
116	MP4C	Z	63.38	4.46
117	MP4C	Mx	.026	4.46
118	MP4A	X	-6.608	1.5
119	MP4A	Z	11.446	1.5
120	MP4A	Mx	-.007	1.5
121	MP4A	X	-6.608	1.5
122	MP4A	Z	11.446	1.5
123	MP4A	Mx	-.007	1.5
124	MP4B	X	-3.864	1.5
125	MP4B	Z	6.693	1.5
126	MP4B	Mx	.007	1.5
127	MP4B	X	-3.864	1.5
128	MP4B	Z	6.693	1.5
129	MP4B	Mx	.007	1.5
130	MP4C	X	-6.895	1.5
131	MP4C	Z	11.942	1.5
132	MP4C	Mx	-.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
133	MP4C	X	-6.895	1.5
134	MP4C	Z	11.942	1.5
135	MP4C	Mx	-.006	1.5
136	MP2B	X	-54.863	1
137	MP2B	Z	95.026	1
138	MP2B	Mx	-.053	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-12.305	2
2	MP5B	Z	7.104	2
3	MP5B	Mx	.003	2
4	MP5C	X	-34.975	2
5	MP5C	Z	20.193	2
6	MP5C	Mx	.00088	2
7	MP2A	X	-89.583	1
8	MP2A	Z	51.721	1
9	MP2A	Mx	.075	1
10	MP2A	X	-89.583	5.5
11	MP2A	Z	51.721	5.5
12	MP2A	Mx	.075	5.5
13	MP2B	X	-76.633	1
14	MP2B	Z	44.244	1
15	MP2B	Mx	-.071	1
16	MP2B	X	-76.633	5.5
17	MP2B	Z	44.244	5.5
18	MP2B	Mx	-.071	5.5
19	MP2C	X	-142.12	1
20	MP2C	Z	82.053	1
21	MP2C	Mx	-.012	1
22	MP2C	X	-142.12	5.5
23	MP2C	Z	82.053	5.5
24	MP2C	Mx	-.012	5.5
25	MP1A	X	-21.38	1.5
26	MP1A	Z	12.344	1.5
27	MP1A	Mx	-.021	1.5
28	MP1A	X	-21.38	1.5
29	MP1A	Z	12.344	1.5
30	MP1A	Mx	-.021	1.5
31	MP1B	X	-19.671	1.5
32	MP1B	Z	11.357	1.5
33	MP1B	Mx	.022	1.5
34	MP1B	X	-19.671	1.5
35	MP1B	Z	11.357	1.5
36	MP1B	Mx	.022	1.5
37	MP1C	X	-28.314	1.5
38	MP1C	Z	16.347	1.5
39	MP1C	Mx	.003	1.5
40	MP1C	X	-28.314	1.5
41	MP1C	Z	16.347	1.5
42	MP1C	Mx	.003	1.5
43	MP1A	X	-18.771	4
44	MP1A	Z	10.837	4
45	MP1A	Mx	-.019	4
46	MP1A	X	-18.771	4
47	MP1A	Z	10.837	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP1A	Mx	-.019	4
49	MP1B	X	-16.425	4
50	MP1B	Z	9.483	4
51	MP1B	Mx	.018	4
52	MP1B	X	-16.425	4
53	MP1B	Z	9.483	4
54	MP1B	Mx	.018	4
55	MP1C	X	-28.288	4
56	MP1C	Z	16.332	4
57	MP1C	Mx	.003	4
58	MP1C	X	-28.288	4
59	MP1C	Z	16.332	4
60	MP1C	Mx	.003	4
61	MP2A	X	-103.615	1
62	MP2A	Z	59.822	1
63	MP2A	Mx	.052	1
64	MP3A	X	-56.861	1
65	MP3A	Z	32.829	1
66	MP3A	Mx	.02	1
67	MP3A	X	-56.861	5.5
68	MP3A	Z	32.829	5.5
69	MP3A	Mx	.02	5.5
70	MP3B	X	-46.472	1
71	MP3B	Z	26.831	1
72	MP3B	Mx	-.055	1
73	MP3B	X	-46.472	5.5
74	MP3B	Z	26.831	5.5
75	MP3B	Mx	-.055	5.5
76	MP3C	X	-99.008	1
77	MP3C	Z	57.162	1
78	MP3C	Mx	.087	1
79	MP3C	X	-99.008	5.5
80	MP3C	Z	57.162	5.5
81	MP3C	Mx	.087	5.5
82	MP3A	X	-110.221	1
83	MP3A	Z	63.636	1
84	MP3A	Mx	.145	1
85	MP3A	X	-110.221	5.5
86	MP3A	Z	63.636	5.5
87	MP3A	Mx	.145	5.5
88	MP3B	X	-101.144	1
89	MP3B	Z	58.395	1
90	MP3B	Mx	-.069	1
91	MP3B	X	-101.144	5.5
92	MP3B	Z	58.395	5.5
93	MP3B	Mx	-.069	5.5
94	MP3C	X	-147.042	1
95	MP3C	Z	84.895	1
96	MP3C	Mx	-.153	1
97	MP3C	X	-147.042	5.5
98	MP3C	Z	84.895	5.5
99	MP3C	Mx	-.153	5.5
100	MP4A	X	-36.488	1.6
101	MP4A	Z	21.067	1.6
102	MP4A	Mx	.03	1.6
103	MP4A	X	-36.488	4.46
104	MP4A	Z	21.067	4.46

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP4A	Mx	.03	4.46
106	MP4B	X	-27.875	1.6
107	MP4B	Z	16.094	1.6
108	MP4B	Mx	-.026	1.6
109	MP4B	X	-27.875	4.46
110	MP4B	Z	16.094	4.46
111	MP4B	Mx	-.026	4.46
112	MP4C	X	-71.429	1.6
113	MP4C	Z	41.239	1.6
114	MP4C	Mx	-.006	1.6
115	MP4C	X	-71.429	4.46
116	MP4C	Z	41.239	4.46
117	MP4C	Mx	-.006	4.46
118	MP4A	X	-7.966	1.5
119	MP4A	Z	4.599	1.5
120	MP4A	Mx	-.008	1.5
121	MP4A	X	-7.966	1.5
122	MP4A	Z	4.599	1.5
123	MP4A	Mx	-.008	1.5
124	MP4B	X	-6.693	1.5
125	MP4B	Z	3.864	1.5
126	MP4B	Mx	.007	1.5
127	MP4B	X	-6.693	1.5
128	MP4B	Z	3.864	1.5
129	MP4B	Mx	.007	1.5
130	MP4C	X	-13.132	1.5
131	MP4C	Z	7.582	1.5
132	MP4C	Mx	.001	1.5
133	MP4C	X	-13.132	1.5
134	MP4C	Z	7.582	1.5
135	MP4C	Mx	.001	1.5
136	MP2B	X	-95.026	1
137	MP2B	Z	54.863	1
138	MP2B	Mx	-.053	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-26.457	2
2	MP5B	Z	0	2
3	MP5B	Mx	.005	2
4	MP5C	X	-31.294	2
5	MP5C	Z	0	2
6	MP5C	Mx	.004	2
7	MP2A	X	-83.014	1
8	MP2A	Z	0	1
9	MP2A	Mx	.069	1
10	MP2A	X	-83.014	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.069	5.5
13	MP2B	X	-123.87	1
14	MP2B	Z	0	1
15	MP2B	Mx	-.073	1
16	MP2B	X	-123.87	5.5
17	MP2B	Z	0	5.5
18	MP2B	Mx	-.073	5.5
19	MP2C	X	-137.844	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2C	Z	0	1
21	MP2C	Mx	-.066	1
22	MP2C	X	-137.844	5.5
23	MP2C	Z	0	5.5
24	MP2C	Mx	-.066	5.5
25	MP1A	X	-21.992	1.5
26	MP1A	Z	0	1.5
27	MP1A	Mx	-.022	1.5
28	MP1A	X	-21.992	1.5
29	MP1A	Z	0	1.5
30	MP1A	Mx	-.022	1.5
31	MP1B	X	-27.384	1.5
32	MP1B	Z	0	1.5
33	MP1B	Mx	.019	1.5
34	MP1B	X	-27.384	1.5
35	MP1B	Z	0	1.5
36	MP1B	Mx	.019	1.5
37	MP1C	X	-29.228	1.5
38	MP1C	Z	0	1.5
39	MP1C	Mx	.017	1.5
40	MP1C	X	-29.228	1.5
41	MP1C	Z	0	1.5
42	MP1C	Mx	.017	1.5
43	MP1A	X	-17.974	4
44	MP1A	Z	0	4
45	MP1A	Mx	-.018	4
46	MP1A	X	-17.974	4
47	MP1A	Z	0	4
48	MP1A	Mx	-.018	4
49	MP1B	X	-25.375	4
50	MP1B	Z	0	4
51	MP1B	Mx	.018	4
52	MP1B	X	-25.375	4
53	MP1B	Z	0	4
54	MP1B	Mx	.018	4
55	MP1C	X	-27.906	4
56	MP1C	Z	0	4
57	MP1C	Mx	.016	4
58	MP1C	X	-27.906	4
59	MP1C	Z	0	4
60	MP1C	Mx	.016	4
61	MP2A	X	-106.096	1
62	MP2A	Z	0	1
63	MP2A	Mx	.053	1
64	MP3A	X	-49.27	1
65	MP3A	Z	0	1
66	MP3A	Mx	.041	1
67	MP3A	X	-49.27	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	.041	5.5
70	MP3B	X	-82.046	1
71	MP3B	Z	0	1
72	MP3B	Mx	-.097	1
73	MP3B	X	-82.046	5.5
74	MP3B	Z	0	5.5
75	MP3B	Mx	-.097	5.5
76	MP3C	X	-93.256	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP3C	Z	0	1
78	MP3C	Mx	.019	1
79	MP3C	X	-93.256	5.5
80	MP3C	Z	0	5.5
81	MP3C	Mx	.019	5.5
82	MP3A	X	-112.954	1
83	MP3A	Z	0	1
84	MP3A	Mx	.094	1
85	MP3A	X	-112.954	5.5
86	MP3A	Z	0	5.5
87	MP3A	Mx	.094	5.5
88	MP3B	X	-141.589	1
89	MP3B	Z	0	1
90	MP3B	Mx	0	1
91	MP3B	X	-141.589	5.5
92	MP3B	Z	0	5.5
93	MP3B	Mx	0	5.5
94	MP3C	X	-151.383	1
95	MP3C	Z	0	1
96	MP3C	Mx	-.176	1
97	MP3C	X	-151.383	5.5
98	MP3C	Z	0	5.5
99	MP3C	Mx	-.176	5.5
100	MP4A	X	-28.547	1.6
101	MP4A	Z	0	1.6
102	MP4A	Mx	.024	1.6
103	MP4A	X	-28.547	4.46
104	MP4A	Z	0	4.46
105	MP4A	Mx	.024	4.46
106	MP4B	X	-55.719	1.6
107	MP4B	Z	0	1.6
108	MP4B	Mx	-.033	1.6
109	MP4B	X	-55.719	4.46
110	MP4B	Z	0	4.46
111	MP4B	Mx	-.033	4.46
112	MP4C	X	-65.013	1.6
113	MP4C	Z	0	1.6
114	MP4C	Mx	-.031	1.6
115	MP4C	X	-65.013	4.46
116	MP4C	Z	0	4.46
117	MP4C	Mx	-.031	4.46
118	MP4A	X	-7.19	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	-.007	1.5
121	MP4A	X	-7.19	1.5
122	MP4A	Z	0	1.5
123	MP4A	Mx	-.007	1.5
124	MP4B	X	-11.207	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	.008	1.5
127	MP4B	X	-11.207	1.5
128	MP4B	Z	0	1.5
129	MP4B	Mx	.008	1.5
130	MP4C	X	-12.581	1.5
131	MP4C	Z	0	1.5
132	MP4C	Mx	.007	1.5
133	MP4C	X	-12.581	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
134	MP4C	Z	0	1.5
135	MP4C	Mx	.007	1.5
136	MP2B	X	-133.191	1
137	MP2B	Z	0	1
138	MP2B	Mx	-.047	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-33.52	2
2	MP5B	Z	-19.353	2
3	MP5B	Mx	.003	2
4	MP5C	X	-15.04	2
5	MP5C	Z	-8.683	2
6	MP5C	Mx	.004	2
7	MP2A	X	-89.583	1
8	MP2A	Z	-51.721	1
9	MP2A	Mx	.075	1
10	MP2A	X	-89.583	5.5
11	MP2A	Z	-51.721	5.5
12	MP2A	Mx	.075	5.5
13	MP2B	X	-137.917	1
14	MP2B	Z	-79.626	1
15	MP2B	Mx	-.034	1
16	MP2B	X	-137.917	5.5
17	MP2B	Z	-79.626	5.5
18	MP2B	Mx	-.034	5.5
19	MP2C	X	-84.531	1
20	MP2C	Z	-48.804	1
21	MP2C	Mx	-.074	1
22	MP2C	X	-84.531	5.5
23	MP2C	Z	-48.804	5.5
24	MP2C	Mx	-.074	5.5
25	MP1A	X	-21.38	1.5
26	MP1A	Z	-12.344	1.5
27	MP1A	Mx	-.021	1.5
28	MP1A	X	-21.38	1.5
29	MP1A	Z	-12.344	1.5
30	MP1A	Mx	-.021	1.5
31	MP1B	X	-27.759	1.5
32	MP1B	Z	-16.027	1.5
33	MP1B	Mx	.008	1.5
34	MP1B	X	-27.759	1.5
35	MP1B	Z	-16.027	1.5
36	MP1B	Mx	.008	1.5
37	MP1C	X	-20.713	1.5
38	MP1C	Z	-11.959	1.5
39	MP1C	Mx	.022	1.5
40	MP1C	X	-20.713	1.5
41	MP1C	Z	-11.959	1.5
42	MP1C	Mx	.022	1.5
43	MP1A	X	-18.771	4
44	MP1A	Z	-10.837	4
45	MP1A	Mx	-.019	4
46	MP1A	X	-18.771	4
47	MP1A	Z	-10.837	4
48	MP1A	Mx	-.019	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP1B	X	-27.526	4
50	MP1B	Z	-15.892	4
51	MP1B	Mx	.008	4
52	MP1B	X	-27.526	4
53	MP1B	Z	-15.892	4
54	MP1B	Mx	.008	4
55	MP1C	X	-17.855	4
56	MP1C	Z	-10.309	4
57	MP1C	Mx	.019	4
58	MP1C	X	-17.855	4
59	MP1C	Z	-10.309	4
60	MP1C	Mx	.019	4
61	MP2A	X	-103.615	1
62	MP2A	Z	-59.822	1
63	MP2A	Mx	.052	1
64	MP3A	X	-56.861	1
65	MP3A	Z	-32.829	1
66	MP3A	Mx	.075	1
67	MP3A	X	-56.861	5.5
68	MP3A	Z	-32.829	5.5
69	MP3A	Mx	.075	5.5
70	MP3B	X	-95.636	1
71	MP3B	Z	-55.215	1
72	MP3B	Mx	-.113	1
73	MP3B	X	-95.636	5.5
74	MP3B	Z	-55.215	5.5
75	MP3B	Mx	-.113	5.5
76	MP3C	X	-52.808	1
77	MP3C	Z	-30.489	1
78	MP3C	Mx	-.025	1
79	MP3C	X	-52.808	5.5
80	MP3C	Z	-30.489	5.5
81	MP3C	Mx	-.025	5.5
82	MP3A	X	-110.221	1
83	MP3A	Z	-63.636	1
84	MP3A	Mx	.039	1
85	MP3A	X	-110.221	5.5
86	MP3A	Z	-63.636	5.5
87	MP3A	Mx	.039	5.5
88	MP3B	X	-144.096	1
89	MP3B	Z	-83.194	1
90	MP3B	Mx	.098	1
91	MP3B	X	-144.096	5.5
92	MP3B	Z	-83.194	5.5
93	MP3B	Mx	.098	5.5
94	MP3C	X	-106.68	1
95	MP3C	Z	-61.591	1
96	MP3C	Mx	-.136	1
97	MP3C	X	-106.68	5.5
98	MP3C	Z	-61.591	5.5
99	MP3C	Mx	-.136	5.5
100	MP4A	X	-36.488	1.6
101	MP4A	Z	-21.067	1.6
102	MP4A	Mx	.03	1.6
103	MP4A	X	-36.488	4.46
104	MP4A	Z	-21.067	4.46
105	MP4A	Mx	.03	4.46

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP4B	X	-68.634	1.6
107	MP4B	Z	-39.626	1.6
108	MP4B	Mx	-.017	1.6
109	MP4B	X	-68.634	4.46
110	MP4B	Z	-39.626	4.46
111	MP4B	Mx	-.017	4.46
112	MP4C	X	-33.128	1.6
113	MP4C	Z	-19.127	1.6
114	MP4C	Mx	-.029	1.6
115	MP4C	X	-33.128	4.46
116	MP4C	Z	-19.127	4.46
117	MP4C	Mx	-.029	4.46
118	MP4A	X	-7.966	1.5
119	MP4A	Z	-4.599	1.5
120	MP4A	Mx	-.008	1.5
121	MP4A	X	-7.966	1.5
122	MP4A	Z	-4.599	1.5
123	MP4A	Mx	-.008	1.5
124	MP4B	X	-12.719	1.5
125	MP4B	Z	-7.343	1.5
126	MP4B	Mx	.004	1.5
127	MP4B	X	-12.719	1.5
128	MP4B	Z	-7.343	1.5
129	MP4B	Mx	.004	1.5
130	MP4C	X	-7.469	1.5
131	MP4C	Z	-4.312	1.5
132	MP4C	Mx	.008	1.5
133	MP4C	X	-7.469	1.5
134	MP4C	Z	-4.312	1.5
135	MP4C	Mx	.008	1.5
136	MP2B	X	-135.668	1
137	MP2B	Z	-78.328	1
138	MP2B	Mx	-.02	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-19.353	2
2	MP5B	Z	-33.52	2
3	MP5B	Mx	-.003	2
4	MP5C	X	-6.265	2
5	MP5C	Z	-10.85	2
6	MP5C	Mx	.003	2
7	MP2A	X	-72.149	1
8	MP2A	Z	-124.966	1
9	MP2A	Mx	.06	1
10	MP2A	X	-72.149	5.5
11	MP2A	Z	-124.966	5.5
12	MP2A	Mx	.06	5.5
13	MP2B	X	-79.626	1
14	MP2B	Z	-137.917	1
15	MP2B	Mx	.034	1
16	MP2B	X	-79.626	5.5
17	MP2B	Z	-137.917	5.5
18	MP2B	Mx	.034	5.5
19	MP2C	X	-41.817	1
20	MP2C	Z	-72.43	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2C	Mx	-.069	1
22	MP2C	X	-41.817	5.5
23	MP2C	Z	-72.43	5.5
24	MP2C	Mx	-.069	5.5
25	MP1A	X	-15.04	1.5
26	MP1A	Z	-26.05	1.5
27	MP1A	Mx	-.015	1.5
28	MP1A	X	-15.04	1.5
29	MP1A	Z	-26.05	1.5
30	MP1A	Mx	-.015	1.5
31	MP1B	X	-16.027	1.5
32	MP1B	Z	-27.759	1.5
33	MP1B	Mx	-.008	1.5
34	MP1B	X	-16.027	1.5
35	MP1B	Z	-27.759	1.5
36	MP1B	Mx	-.008	1.5
37	MP1C	X	-11.037	1.5
38	MP1C	Z	-19.116	1.5
39	MP1C	Mx	.022	1.5
40	MP1C	X	-11.037	1.5
41	MP1C	Z	-19.116	1.5
42	MP1C	Mx	.022	1.5
43	MP1A	X	-14.538	4
44	MP1A	Z	-25.18	4
45	MP1A	Mx	-.015	4
46	MP1A	X	-14.538	4
47	MP1A	Z	-25.18	4
48	MP1A	Mx	-.015	4
49	MP1B	X	-15.892	4
50	MP1B	Z	-27.526	4
51	MP1B	Mx	-.008	4
52	MP1B	X	-15.892	4
53	MP1B	Z	-27.526	4
54	MP1B	Mx	-.008	4
55	MP1C	X	-9.043	4
56	MP1C	Z	-15.663	4
57	MP1C	Mx	.018	4
58	MP1C	X	-9.043	4
59	MP1C	Z	-15.663	4
60	MP1C	Mx	.018	4
61	MP2A	X	-73.369	1
62	MP2A	Z	-127.079	1
63	MP2A	Mx	.037	1
64	MP3A	X	-49.217	1
65	MP3A	Z	-85.246	1
66	MP3A	Mx	.112	1
67	MP3A	X	-49.217	5.5
68	MP3A	Z	-85.246	5.5
69	MP3A	Mx	.112	5.5
70	MP3B	X	-55.215	1
71	MP3B	Z	-95.636	1
72	MP3B	Mx	-.065	1
73	MP3B	X	-55.215	5.5
74	MP3B	Z	-95.636	5.5
75	MP3B	Mx	-.065	5.5
76	MP3C	X	-24.884	1
77	MP3C	Z	-43.1	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP3C	Mx	-.045	1
79	MP3C	X	-24.884	5.5
80	MP3C	Z	-43.1	5.5
81	MP3C	Mx	-.045	5.5
82	MP3A	X	-77.953	1
83	MP3A	Z	-135.019	1
84	MP3A	Mx	-.048	1
85	MP3A	X	-77.953	5.5
86	MP3A	Z	-135.019	5.5
87	MP3A	Mx	-.048	5.5
88	MP3B	X	-83.194	1
89	MP3B	Z	-144.096	1
90	MP3B	Mx	.17	1
91	MP3B	X	-83.194	5.5
92	MP3B	Z	-144.096	5.5
93	MP3B	Mx	.17	5.5
94	MP3C	X	-56.695	1
95	MP3C	Z	-98.198	1
96	MP3C	Mx	-.086	1
97	MP3C	X	-56.695	5.5
98	MP3C	Z	-98.198	5.5
99	MP3C	Mx	-.086	5.5
100	MP4A	X	-34.653	1.6
101	MP4A	Z	-60.02	1.6
102	MP4A	Mx	.029	1.6
103	MP4A	X	-34.653	4.46
104	MP4A	Z	-60.02	4.46
105	MP4A	Mx	.029	4.46
106	MP4B	X	-39.626	1.6
107	MP4B	Z	-68.634	1.6
108	MP4B	Mx	.017	1.6
109	MP4B	X	-39.626	4.46
110	MP4B	Z	-68.634	4.46
111	MP4B	Mx	.017	4.46
112	MP4C	X	-14.48	1.6
113	MP4C	Z	-25.08	1.6
114	MP4C	Mx	-.024	1.6
115	MP4C	X	-14.48	4.46
116	MP4C	Z	-25.08	4.46
117	MP4C	Mx	-.024	4.46
118	MP4A	X	-6.608	1.5
119	MP4A	Z	-11.446	1.5
120	MP4A	Mx	-.007	1.5
121	MP4A	X	-6.608	1.5
122	MP4A	Z	-11.446	1.5
123	MP4A	Mx	-.007	1.5
124	MP4B	X	-7.343	1.5
125	MP4B	Z	-12.719	1.5
126	MP4B	Mx	-.004	1.5
127	MP4B	X	-7.343	1.5
128	MP4B	Z	-12.719	1.5
129	MP4B	Mx	-.004	1.5
130	MP4C	X	-3.625	1.5
131	MP4C	Z	-6.279	1.5
132	MP4C	Mx	.007	1.5
133	MP4C	X	-3.625	1.5
134	MP4C	Z	-6.279	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
135	MP4C	Mx	.007	1.5
136	MP2B	X	-78.328	1
137	MP2B	Z	-135.668	1
138	MP2B	Mx	.02	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	0	2
2	MP5B	Z	-6.208	2
3	MP5B	Mx	-.001	2
4	MP5C	X	0	2
5	MP5C	Z	-5.246	2
6	MP5C	Mx	.001	2
7	MP2A	X	0	1
8	MP2A	Z	-31.556	1
9	MP2A	Mx	0	1
10	MP2A	X	0	5.5
11	MP2A	Z	-31.556	5.5
12	MP2A	Mx	0	5.5
13	MP2B	X	0	1
14	MP2B	Z	-24.348	1
15	MP2B	Mx	.014	1
16	MP2B	X	0	5.5
17	MP2B	Z	-24.348	5.5
18	MP2B	Mx	.014	5.5
19	MP2C	X	0	1
20	MP2C	Z	-21.882	1
21	MP2C	Mx	-.015	1
22	MP2C	X	0	5.5
23	MP2C	Z	-21.882	5.5
24	MP2C	Mx	-.015	5.5
25	MP1A	X	0	1.5
26	MP1A	Z	-8.208	1.5
27	MP1A	Mx	0	1.5
28	MP1A	X	0	1.5
29	MP1A	Z	-8.208	1.5
30	MP1A	Mx	0	1.5
31	MP1B	X	0	1.5
32	MP1B	Z	-6.958	1.5
33	MP1B	Mx	-.005	1.5
34	MP1B	X	0	1.5
35	MP1B	Z	-6.958	1.5
36	MP1B	Mx	-.005	1.5
37	MP1C	X	0	1.5
38	MP1C	Z	-6.53	1.5
39	MP1C	Mx	.005	1.5
40	MP1C	X	0	1.5
41	MP1C	Z	-6.53	1.5
42	MP1C	Mx	.005	1.5
43	MP1A	X	0	4
44	MP1A	Z	-8.208	4
45	MP1A	Mx	0	4
46	MP1A	X	0	4
47	MP1A	Z	-8.208	4
48	MP1A	Mx	0	4
49	MP1B	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP1B	Z	-6.483	4
51	MP1B	Mx	-.005	4
52	MP1B	X	0	4
53	MP1B	Z	-6.483	4
54	MP1B	Mx	-.005	4
55	MP1C	X	0	4
56	MP1C	Z	-5.893	4
57	MP1C	Mx	.005	4
58	MP1C	X	0	4
59	MP1C	Z	-5.893	4
60	MP1C	Mx	.005	4
61	MP2A	X	0	1
62	MP2A	Z	-31.607	1
63	MP2A	Mx	0	1
64	MP3A	X	0	1
65	MP3A	Z	-32.706	1
66	MP3A	Mx	.027	1
67	MP3A	X	0	5.5
68	MP3A	Z	-32.706	5.5
69	MP3A	Mx	.027	5.5
70	MP3B	X	0	1
71	MP3B	Z	-27.628	1
72	MP3B	Mx	0	1
73	MP3B	X	0	5.5
74	MP3B	Z	-27.628	5.5
75	MP3B	Mx	0	5.5
76	MP3C	X	0	1
77	MP3C	Z	-25.891	1
78	MP3C	Mx	-.03	1
79	MP3C	X	0	5.5
80	MP3C	Z	-25.891	5.5
81	MP3C	Mx	-.03	5.5
82	MP3A	X	0	1
83	MP3A	Z	-32.706	1
84	MP3A	Mx	-.027	1
85	MP3A	X	0	5.5
86	MP3A	Z	-32.706	5.5
87	MP3A	Mx	-.027	5.5
88	MP3B	X	0	1
89	MP3B	Z	-27.628	1
90	MP3B	Mx	.033	1
91	MP3B	X	0	5.5
92	MP3B	Z	-27.628	5.5
93	MP3B	Mx	.033	5.5
94	MP3C	X	0	1
95	MP3C	Z	-25.891	1
96	MP3C	Mx	-.005	1
97	MP3C	X	0	5.5
98	MP3C	Z	-25.891	5.5
99	MP3C	Mx	-.005	5.5
100	MP4A	X	0	1.6
101	MP4A	Z	-19.482	1.6
102	MP4A	Mx	0	1.6
103	MP4A	X	0	4.46
104	MP4A	Z	-19.482	4.46
105	MP4A	Mx	0	4.46
106	MP4B	X	0	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP4B	Z	-13.888	1.6
108	MP4B	Mx	.008	1.6
109	MP4B	X	0	4.46
110	MP4B	Z	-13.888	4.46
111	MP4B	Mx	.008	4.46
112	MP4C	X	0	1.6
113	MP4C	Z	-11.975	1.6
114	MP4C	Mx	-.008	1.6
115	MP4C	X	0	4.46
116	MP4C	Z	-11.975	4.46
117	MP4C	Mx	-.008	4.46
118	MP4A	X	0	1.5
119	MP4A	Z	-4.674	1.5
120	MP4A	Mx	0	1.5
121	MP4A	X	0	1.5
122	MP4A	Z	-4.674	1.5
123	MP4A	Mx	0	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	-3.648	1.5
126	MP4B	Mx	-.003	1.5
127	MP4B	X	0	1.5
128	MP4B	Z	-3.648	1.5
129	MP4B	Mx	-.003	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	-3.297	1.5
132	MP4C	Mx	.003	1.5
133	MP4C	X	0	1.5
134	MP4C	Z	-3.297	1.5
135	MP4C	Mx	.003	1.5
136	MP2B	X	0	1
137	MP2B	Z	-26.612	1
138	MP2B	Mx	.009	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	1.886	2
2	MP5B	Z	-3.267	2
3	MP5B	Mx	-.000911	2
4	MP5C	X	4.008	2
5	MP5C	Z	-6.942	2
6	MP5C	Mx	.000847	2
7	MP2A	X	13.976	1
8	MP2A	Z	-24.207	1
9	MP2A	Mx	-.012	1
10	MP2A	X	13.976	5.5
11	MP2A	Z	-24.207	5.5
12	MP2A	Mx	-.012	5.5
13	MP2B	X	9.052	1
14	MP2B	Z	-15.679	1
15	MP2B	Mx	.015	1
16	MP2B	X	9.052	5.5
17	MP2B	Z	-15.679	5.5
18	MP2B	Mx	.015	5.5
19	MP2C	X	14.491	1
20	MP2C	Z	-25.099	1
21	MP2C	Mx	-.01	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2C	X	14.491	5.5
23	MP2C	Z	-25.099	5.5
24	MP2C	Mx	-.01	5.5
25	MP1A	X	3.791	1.5
26	MP1A	Z	-6.567	1.5
27	MP1A	Mx	.004	1.5
28	MP1A	X	3.791	1.5
29	MP1A	Z	-6.567	1.5
30	MP1A	Mx	.004	1.5
31	MP1B	X	2.938	1.5
32	MP1B	Z	-5.088	1.5
33	MP1B	Mx	-.006	1.5
34	MP1B	X	2.938	1.5
35	MP1B	Z	-5.088	1.5
36	MP1B	Mx	-.006	1.5
37	MP1C	X	3.881	1.5
38	MP1C	Z	-6.721	1.5
39	MP1C	Mx	.003	1.5
40	MP1C	X	3.881	1.5
41	MP1C	Z	-6.721	1.5
42	MP1C	Mx	.003	1.5
43	MP1A	X	3.673	4
44	MP1A	Z	-6.361	4
45	MP1A	Mx	.004	4
46	MP1A	X	3.673	4
47	MP1A	Z	-6.361	4
48	MP1A	Mx	.004	4
49	MP1B	X	2.495	4
50	MP1B	Z	-4.321	4
51	MP1B	Mx	-.005	4
52	MP1B	X	2.495	4
53	MP1B	Z	-4.321	4
54	MP1B	Mx	-.005	4
55	MP1C	X	3.796	4
56	MP1C	Z	-6.574	4
57	MP1C	Mx	.003	4
58	MP1C	X	3.796	4
59	MP1C	Z	-6.574	4
60	MP1C	Mx	.003	4
61	MP2A	X	14.555	1
62	MP2A	Z	-25.21	1
63	MP2A	Mx	-.007	1
64	MP3A	X	15.083	1
65	MP3A	Z	-26.125	1
66	MP3A	Mx	.009	1
67	MP3A	X	15.083	5.5
68	MP3A	Z	-26.125	5.5
69	MP3A	Mx	.009	5.5
70	MP3B	X	11.615	1
71	MP3B	Z	-20.117	1
72	MP3B	Mx	.014	1
73	MP3B	X	11.615	5.5
74	MP3B	Z	-20.117	5.5
75	MP3B	Mx	.014	5.5
76	MP3C	X	15.446	1
77	MP3C	Z	-26.753	1
78	MP3C	Mx	-.034	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP3C	X	15.446	5.5
80	MP3C	Z	-26.753	5.5
81	MP3C	Mx	-.034	5.5
82	MP3A	X	15.083	1
83	MP3A	Z	-26.125	1
84	MP3A	Mx	-.034	1
85	MP3A	X	15.083	5.5
86	MP3A	Z	-26.125	5.5
87	MP3A	Mx	-.034	5.5
88	MP3B	X	11.615	1
89	MP3B	Z	-20.117	1
90	MP3B	Mx	.024	1
91	MP3B	X	11.615	5.5
92	MP3B	Z	-20.117	5.5
93	MP3B	Mx	.024	5.5
94	MP3C	X	15.446	1
95	MP3C	Z	-26.753	1
96	MP3C	Mx	.012	1
97	MP3C	X	15.446	5.5
98	MP3C	Z	-26.753	5.5
99	MP3C	Mx	.012	5.5
100	MP4A	X	8.343	1.6
101	MP4A	Z	-14.45	1.6
102	MP4A	Mx	-.007	1.6
103	MP4A	X	8.343	4.46
104	MP4A	Z	-14.45	4.46
105	MP4A	Mx	-.007	4.46
106	MP4B	X	4.522	1.6
107	MP4B	Z	-7.833	1.6
108	MP4B	Mx	.007	1.6
109	MP4B	X	4.522	4.46
110	MP4B	Z	-7.833	4.46
111	MP4B	Mx	.007	4.46
112	MP4C	X	8.742	1.6
113	MP4C	Z	-15.141	1.6
114	MP4C	Mx	-.006	1.6
115	MP4C	X	8.742	4.46
116	MP4C	Z	-15.141	4.46
117	MP4C	Mx	-.006	4.46
118	MP4A	X	2.08	1.5
119	MP4A	Z	-3.603	1.5
120	MP4A	Mx	.002	1.5
121	MP4A	X	2.08	1.5
122	MP4A	Z	-3.603	1.5
123	MP4A	Mx	.002	1.5
124	MP4B	X	1.38	1.5
125	MP4B	Z	-2.39	1.5
126	MP4B	Mx	-.003	1.5
127	MP4B	X	1.38	1.5
128	MP4B	Z	-2.39	1.5
129	MP4B	Mx	-.003	1.5
130	MP4C	X	2.154	1.5
131	MP4C	Z	-3.73	1.5
132	MP4C	Mx	.002	1.5
133	MP4C	X	2.154	1.5
134	MP4C	Z	-3.73	1.5
135	MP4C	Mx	.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
136	MP2B	X	11.143	1
137	MP2B	Z	-19.3	1
138	MP2B	Mx	.011	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	3.267	2
2	MP5B	Z	-1.886	2
3	MP5B	Mx	-.000911	2
4	MP5C	X	7.775	2
5	MP5C	Z	-4.489	2
6	MP5C	Mx	-.000196	2
7	MP2A	X	17.964	1
8	MP2A	Z	-10.372	1
9	MP2A	Mx	-.015	1
10	MP2A	X	17.964	5.5
11	MP2A	Z	-10.372	5.5
12	MP2A	Mx	-.015	5.5
13	MP2B	X	15.679	1
14	MP2B	Z	-9.052	1
15	MP2B	Mx	.015	1
16	MP2B	X	15.679	5.5
17	MP2B	Z	-9.052	5.5
18	MP2B	Mx	.015	5.5
19	MP2C	X	27.234	1
20	MP2C	Z	-15.723	1
21	MP2C	Mx	.002	1
22	MP2C	X	27.234	5.5
23	MP2C	Z	-15.723	5.5
24	MP2C	Mx	.002	5.5
25	MP1A	X	5.485	1.5
26	MP1A	Z	-3.166	1.5
27	MP1A	Mx	.005	1.5
28	MP1A	X	5.485	1.5
29	MP1A	Z	-3.166	1.5
30	MP1A	Mx	.005	1.5
31	MP1B	X	5.088	1.5
32	MP1B	Z	-2.938	1.5
33	MP1B	Mx	-.006	1.5
34	MP1B	X	5.088	1.5
35	MP1B	Z	-2.938	1.5
36	MP1B	Mx	-.006	1.5
37	MP1C	X	7.092	1.5
38	MP1C	Z	-4.094	1.5
39	MP1C	Mx	-.000714	1.5
40	MP1C	X	7.092	1.5
41	MP1C	Z	-4.094	1.5
42	MP1C	Mx	-.000714	1.5
43	MP1A	X	4.868	4
44	MP1A	Z	-2.81	4
45	MP1A	Mx	.005	4
46	MP1A	X	4.868	4
47	MP1A	Z	-2.81	4
48	MP1A	Mx	.005	4
49	MP1B	X	4.321	4
50	MP1B	Z	-2.495	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP1B	Mx	-.005	4
52	MP1B	X	4.321	4
53	MP1B	Z	-2.495	4
54	MP1B	Mx	-.005	4
55	MP1C	X	7.085	4
56	MP1C	Z	-4.091	4
57	MP1C	Mx	-.000713	4
58	MP1C	X	7.085	4
59	MP1C	Z	-4.091	4
60	MP1C	Mx	-.000713	4
61	MP2A	X	20.883	1
62	MP2A	Z	-12.057	1
63	MP2A	Mx	-.01	1
64	MP3A	X	21.727	1
65	MP3A	Z	-12.544	1
66	MP3A	Mx	-.008	1
67	MP3A	X	21.727	5.5
68	MP3A	Z	-12.544	5.5
69	MP3A	Mx	-.008	5.5
70	MP3B	X	20.117	1
71	MP3B	Z	-11.615	1
72	MP3B	Mx	.024	1
73	MP3B	X	20.117	5.5
74	MP3B	Z	-11.615	5.5
75	MP3B	Mx	.024	5.5
76	MP3C	X	28.258	1
77	MP3C	Z	-16.314	1
78	MP3C	Mx	-.025	1
79	MP3C	X	28.258	5.5
80	MP3C	Z	-16.314	5.5
81	MP3C	Mx	-.025	5.5
82	MP3A	X	21.727	1
83	MP3A	Z	-12.544	1
84	MP3A	Mx	-.029	1
85	MP3A	X	21.727	5.5
86	MP3A	Z	-12.544	5.5
87	MP3A	Mx	-.029	5.5
88	MP3B	X	20.117	1
89	MP3B	Z	-11.615	1
90	MP3B	Mx	.014	1
91	MP3B	X	20.117	5.5
92	MP3B	Z	-11.615	5.5
93	MP3B	Mx	.014	5.5
94	MP3C	X	28.258	1
95	MP3C	Z	-16.314	1
96	MP3C	Mx	.029	1
97	MP3C	X	28.258	5.5
98	MP3C	Z	-16.314	5.5
99	MP3C	Mx	.029	5.5
100	MP4A	X	9.606	1.6
101	MP4A	Z	-5.546	1.6
102	MP4A	Mx	-.008	1.6
103	MP4A	X	9.606	4.46
104	MP4A	Z	-5.546	4.46
105	MP4A	Mx	-.008	4.46
106	MP4B	X	7.833	1.6
107	MP4B	Z	-4.522	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP4B	Mx	.007	1.6
109	MP4B	X	7.833	4.46
110	MP4B	Z	-4.522	4.46
111	MP4B	Mx	.007	4.46
112	MP4C	X	16.798	1.6
113	MP4C	Z	-9.698	1.6
114	MP4C	Mx	.001	1.6
115	MP4C	X	16.798	4.46
116	MP4C	Z	-9.698	4.46
117	MP4C	Mx	.001	4.46
118	MP4A	X	2.715	1.5
119	MP4A	Z	-1.568	1.5
120	MP4A	Mx	.003	1.5
121	MP4A	X	2.715	1.5
122	MP4A	Z	-1.568	1.5
123	MP4A	Mx	.003	1.5
124	MP4B	X	2.39	1.5
125	MP4B	Z	-1.38	1.5
126	MP4B	Mx	-.003	1.5
127	MP4B	X	2.39	1.5
128	MP4B	Z	-1.38	1.5
129	MP4B	Mx	-.003	1.5
130	MP4C	X	4.034	1.5
131	MP4C	Z	-2.329	1.5
132	MP4C	Mx	-.000406	1.5
133	MP4C	X	4.034	1.5
134	MP4C	Z	-2.329	1.5
135	MP4C	Mx	-.000406	1.5
136	MP2B	X	19.3	1
137	MP2B	Z	-11.143	1
138	MP2B	Mx	.011	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	6.208	2
2	MP5B	Z	0	2
3	MP5B	Mx	-.001	2
4	MP5C	X	7.17	2
5	MP5C	Z	0	2
6	MP5C	Mx	-.001	2
7	MP2A	X	17.139	1
8	MP2A	Z	0	1
9	MP2A	Mx	-.014	1
10	MP2A	X	17.139	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.014	5.5
13	MP2B	X	24.348	1
14	MP2B	Z	0	1
15	MP2B	Mx	.014	1
16	MP2B	X	24.348	5.5
17	MP2B	Z	0	5.5
18	MP2B	Mx	.014	5.5
19	MP2C	X	26.813	1
20	MP2C	Z	0	1
21	MP2C	Mx	.013	1
22	MP2C	X	26.813	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2C	Z	0	5.5
24	MP2C	Mx	.013	5.5
25	MP1A	X	5.708	1.5
26	MP1A	Z	0	1.5
27	MP1A	Mx	.006	1.5
28	MP1A	X	5.708	1.5
29	MP1A	Z	0	1.5
30	MP1A	Mx	.006	1.5
31	MP1B	X	6.958	1.5
32	MP1B	Z	0	1.5
33	MP1B	Mx	-.005	1.5
34	MP1B	X	6.958	1.5
35	MP1B	Z	0	1.5
36	MP1B	Mx	-.005	1.5
37	MP1C	X	7.385	1.5
38	MP1C	Z	0	1.5
39	MP1C	Mx	-.004	1.5
40	MP1C	X	7.385	1.5
41	MP1C	Z	0	1.5
42	MP1C	Mx	-.004	1.5
43	MP1A	X	4.758	4
44	MP1A	Z	0	4
45	MP1A	Mx	.005	4
46	MP1A	X	4.758	4
47	MP1A	Z	0	4
48	MP1A	Mx	.005	4
49	MP1B	X	6.483	4
50	MP1B	Z	0	4
51	MP1B	Mx	-.005	4
52	MP1B	X	6.483	4
53	MP1B	Z	0	4
54	MP1B	Mx	-.005	4
55	MP1C	X	7.073	4
56	MP1C	Z	0	4
57	MP1C	Mx	-.004	4
58	MP1C	X	7.073	4
59	MP1C	Z	0	4
60	MP1C	Mx	-.004	4
61	MP2A	X	21.616	1
62	MP2A	Z	0	1
63	MP2A	Mx	-.011	1
64	MP3A	X	22.549	1
65	MP3A	Z	0	1
66	MP3A	Mx	-.019	1
67	MP3A	X	22.549	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	-.019	5.5
70	MP3B	X	27.628	1
71	MP3B	Z	0	1
72	MP3B	Mx	.033	1
73	MP3B	X	27.628	5.5
74	MP3B	Z	0	5.5
75	MP3B	Mx	.033	5.5
76	MP3C	X	29.365	1
77	MP3C	Z	0	1
78	MP3C	Mx	-.006	1
79	MP3C	X	29.365	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3C	Z	0	5.5
81	MP3C	Mx	-.006	5.5
82	MP3A	X	22.549	1
83	MP3A	Z	0	1
84	MP3A	Mx	-.019	1
85	MP3A	X	22.549	5.5
86	MP3A	Z	0	5.5
87	MP3A	Mx	-.019	5.5
88	MP3B	X	27.628	1
89	MP3B	Z	0	1
90	MP3B	Mx	0	1
91	MP3B	X	27.628	5.5
92	MP3B	Z	0	5.5
93	MP3B	Mx	0	5.5
94	MP3C	X	29.365	1
95	MP3C	Z	0	1
96	MP3C	Mx	.034	1
97	MP3C	X	29.365	5.5
98	MP3C	Z	0	5.5
99	MP3C	Mx	.034	5.5
100	MP4A	X	8.295	1.6
101	MP4A	Z	0	1.6
102	MP4A	Mx	-.007	1.6
103	MP4A	X	8.295	4.46
104	MP4A	Z	0	4.46
105	MP4A	Mx	-.007	4.46
106	MP4B	X	13.888	1.6
107	MP4B	Z	0	1.6
108	MP4B	Mx	.008	1.6
109	MP4B	X	13.888	4.46
110	MP4B	Z	0	4.46
111	MP4B	Mx	.008	4.46
112	MP4C	X	15.801	1.6
113	MP4C	Z	0	1.6
114	MP4C	Mx	.008	1.6
115	MP4C	X	15.801	4.46
116	MP4C	Z	0	4.46
117	MP4C	Mx	.008	4.46
118	MP4A	X	2.622	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	.003	1.5
121	MP4A	X	2.622	1.5
122	MP4A	Z	0	1.5
123	MP4A	Mx	.003	1.5
124	MP4B	X	3.648	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	-.003	1.5
127	MP4B	X	3.648	1.5
128	MP4B	Z	0	1.5
129	MP4B	Mx	-.003	1.5
130	MP4C	X	3.999	1.5
131	MP4C	Z	0	1.5
132	MP4C	Mx	-.002	1.5
133	MP4C	X	3.999	1.5
134	MP4C	Z	0	1.5
135	MP4C	Mx	-.002	1.5
136	MP2B	X	26.612	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
137	MP2B	Z	0	1
138	MP2B	Mx	.009	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	7.486	2
2	MP5B	Z	4.322	2
3	MP5B	Mx	-.000559	2
4	MP5C	X	3.811	2
5	MP5C	Z	2.2	2
6	MP5C	Mx	-.000997	2
7	MP2A	X	17.964	1
8	MP2A	Z	10.372	1
9	MP2A	Mx	-.015	1
10	MP2A	X	17.964	5.5
11	MP2A	Z	10.372	5.5
12	MP2A	Mx	-.015	5.5
13	MP2B	X	26.492	1
14	MP2B	Z	15.295	1
15	MP2B	Mx	.007	1
16	MP2B	X	26.492	5.5
17	MP2B	Z	15.295	5.5
18	MP2B	Mx	.007	5.5
19	MP2C	X	17.073	1
20	MP2C	Z	9.857	1
21	MP2C	Mx	.015	1
22	MP2C	X	17.073	5.5
23	MP2C	Z	9.857	5.5
24	MP2C	Mx	.015	5.5
25	MP1A	X	5.485	1.5
26	MP1A	Z	3.166	1.5
27	MP1A	Mx	.005	1.5
28	MP1A	X	5.485	1.5
29	MP1A	Z	3.166	1.5
30	MP1A	Mx	.005	1.5
31	MP1B	X	6.963	1.5
32	MP1B	Z	4.02	1.5
33	MP1B	Mx	-.002	1.5
34	MP1B	X	6.963	1.5
35	MP1B	Z	4.02	1.5
36	MP1B	Mx	-.002	1.5
37	MP1C	X	5.33	1.5
38	MP1C	Z	3.077	1.5
39	MP1C	Mx	-.006	1.5
40	MP1C	X	5.33	1.5
41	MP1C	Z	3.077	1.5
42	MP1C	Mx	-.006	1.5
43	MP1A	X	4.868	4
44	MP1A	Z	2.81	4
45	MP1A	Mx	.005	4
46	MP1A	X	4.868	4
47	MP1A	Z	2.81	4
48	MP1A	Mx	.005	4
49	MP1B	X	6.908	4
50	MP1B	Z	3.988	4
51	MP1B	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1B	X	6.908	4
53	MP1B	Z	3.988	4
54	MP1B	Mx	-.002	4
55	MP1C	X	4.654	4
56	MP1C	Z	2.687	4
57	MP1C	Mx	-.005	4
58	MP1C	X	4.654	4
59	MP1C	Z	2.687	4
60	MP1C	Mx	-.005	4
61	MP2A	X	20.883	1
62	MP2A	Z	12.057	1
63	MP2A	Mx	-.01	1
64	MP3A	X	21.727	1
65	MP3A	Z	12.544	1
66	MP3A	Mx	-.029	1
67	MP3A	X	21.727	5.5
68	MP3A	Z	12.544	5.5
69	MP3A	Mx	-.029	5.5
70	MP3B	X	27.735	1
71	MP3B	Z	16.013	1
72	MP3B	Mx	.033	1
73	MP3B	X	27.735	5.5
74	MP3B	Z	16.013	5.5
75	MP3B	Mx	.033	5.5
76	MP3C	X	21.099	1
77	MP3C	Z	12.182	1
78	MP3C	Mx	.01	1
79	MP3C	X	21.099	5.5
80	MP3C	Z	12.182	5.5
81	MP3C	Mx	.01	5.5
82	MP3A	X	21.727	1
83	MP3A	Z	12.544	1
84	MP3A	Mx	-.008	1
85	MP3A	X	21.727	5.5
86	MP3A	Z	12.544	5.5
87	MP3A	Mx	-.008	5.5
88	MP3B	X	27.735	1
89	MP3B	Z	16.013	1
90	MP3B	Mx	-.019	1
91	MP3B	X	27.735	5.5
92	MP3B	Z	16.013	5.5
93	MP3B	Mx	-.019	5.5
94	MP3C	X	21.099	1
95	MP3C	Z	12.182	1
96	MP3C	Mx	.027	1
97	MP3C	X	21.099	5.5
98	MP3C	Z	12.182	5.5
99	MP3C	Mx	.027	5.5
100	MP4A	X	9.606	1.6
101	MP4A	Z	5.546	1.6
102	MP4A	Mx	-.008	1.6
103	MP4A	X	9.606	4.46
104	MP4A	Z	5.546	4.46
105	MP4A	Mx	-.008	4.46
106	MP4B	X	16.223	1.6
107	MP4B	Z	9.366	1.6
108	MP4B	Mx	.004	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP4B	X	16.223	4.46
110	MP4B	Z	9.366	4.46
111	MP4B	Mx	.004	4.46
112	MP4C	X	8.914	1.6
113	MP4C	Z	5.147	1.6
114	MP4C	Mx	.008	1.6
115	MP4C	X	8.914	4.46
116	MP4C	Z	5.147	4.46
117	MP4C	Mx	.008	4.46
118	MP4A	X	2.715	1.5
119	MP4A	Z	1.568	1.5
120	MP4A	Mx	.003	1.5
121	MP4A	X	2.715	1.5
122	MP4A	Z	1.568	1.5
123	MP4A	Mx	.003	1.5
124	MP4B	X	3.929	1.5
125	MP4B	Z	2.268	1.5
126	MP4B	Mx	-.001	1.5
127	MP4B	X	3.929	1.5
128	MP4B	Z	2.268	1.5
129	MP4B	Mx	-.001	1.5
130	MP4C	X	2.588	1.5
131	MP4C	Z	1.494	1.5
132	MP4C	Mx	-.003	1.5
133	MP4C	X	2.588	1.5
134	MP4C	Z	1.494	1.5
135	MP4C	Mx	-.003	1.5
136	MP2B	X	26.793	1
137	MP2B	Z	15.469	1
138	MP2B	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	4.322	2
2	MP5B	Z	7.486	2
3	MP5B	Mx	.000559	2
4	MP5C	X	1.719	2
5	MP5C	Z	2.977	2
6	MP5C	Mx	-.000856	2
7	MP2A	X	13.976	1
8	MP2A	Z	24.207	1
9	MP2A	Mx	-.012	1
10	MP2A	X	13.976	5.5
11	MP2A	Z	24.207	5.5
12	MP2A	Mx	-.012	5.5
13	MP2B	X	15.295	1
14	MP2B	Z	26.492	1
15	MP2B	Mx	-.007	1
16	MP2B	X	15.295	5.5
17	MP2B	Z	26.492	5.5
18	MP2B	Mx	-.007	5.5
19	MP2C	X	8.624	1
20	MP2C	Z	14.938	1
21	MP2C	Mx	.014	1
22	MP2C	X	8.624	5.5
23	MP2C	Z	14.938	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2C	Mx	.014	5.5
25	MP1A	X	3.791	1.5
26	MP1A	Z	6.567	1.5
27	MP1A	Mx	.004	1.5
28	MP1A	X	3.791	1.5
29	MP1A	Z	6.567	1.5
30	MP1A	Mx	.004	1.5
31	MP1B	X	4.02	1.5
32	MP1B	Z	6.963	1.5
33	MP1B	Mx	.002	1.5
34	MP1B	X	4.02	1.5
35	MP1B	Z	6.963	1.5
36	MP1B	Mx	.002	1.5
37	MP1C	X	2.864	1.5
38	MP1C	Z	4.96	1.5
39	MP1C	Mx	-.006	1.5
40	MP1C	X	2.864	1.5
41	MP1C	Z	4.96	1.5
42	MP1C	Mx	-.006	1.5
43	MP1A	X	3.673	4
44	MP1A	Z	6.361	4
45	MP1A	Mx	.004	4
46	MP1A	X	3.673	4
47	MP1A	Z	6.361	4
48	MP1A	Mx	.004	4
49	MP1B	X	3.988	4
50	MP1B	Z	6.908	4
51	MP1B	Mx	.002	4
52	MP1B	X	3.988	4
53	MP1B	Z	6.908	4
54	MP1B	Mx	.002	4
55	MP1C	X	2.392	4
56	MP1C	Z	4.144	4
57	MP1C	Mx	-.005	4
58	MP1C	X	2.392	4
59	MP1C	Z	4.144	4
60	MP1C	Mx	-.005	4
61	MP2A	X	14.555	1
62	MP2A	Z	25.21	1
63	MP2A	Mx	-.007	1
64	MP3A	X	15.083	1
65	MP3A	Z	26.125	1
66	MP3A	Mx	-.034	1
67	MP3A	X	15.083	5.5
68	MP3A	Z	26.125	5.5
69	MP3A	Mx	-.034	5.5
70	MP3B	X	16.013	1
71	MP3B	Z	27.735	1
72	MP3B	Mx	.019	1
73	MP3B	X	16.013	5.5
74	MP3B	Z	27.735	5.5
75	MP3B	Mx	.019	5.5
76	MP3C	X	11.313	1
77	MP3C	Z	19.595	1
78	MP3C	Mx	.02	1
79	MP3C	X	11.313	5.5
80	MP3C	Z	19.595	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP3C	Mx	.02	5.5
82	MP3A	X	15.083	1
83	MP3A	Z	26.125	1
84	MP3A	Mx	.009	1
85	MP3A	X	15.083	5.5
86	MP3A	Z	26.125	5.5
87	MP3A	Mx	.009	5.5
88	MP3B	X	16.013	1
89	MP3B	Z	27.735	1
90	MP3B	Mx	-.033	1
91	MP3B	X	16.013	5.5
92	MP3B	Z	27.735	5.5
93	MP3B	Mx	-.033	5.5
94	MP3C	X	11.313	1
95	MP3C	Z	19.595	1
96	MP3C	Mx	.017	1
97	MP3C	X	11.313	5.5
98	MP3C	Z	19.595	5.5
99	MP3C	Mx	.017	5.5
100	MP4A	X	8.343	1.6
101	MP4A	Z	14.45	1.6
102	MP4A	Mx	-.007	1.6
103	MP4A	X	8.343	4.46
104	MP4A	Z	14.45	4.46
105	MP4A	Mx	-.007	4.46
106	MP4B	X	9.366	1.6
107	MP4B	Z	16.223	1.6
108	MP4B	Mx	-.004	1.6
109	MP4B	X	9.366	4.46
110	MP4B	Z	16.223	4.46
111	MP4B	Mx	-.004	4.46
112	MP4C	X	4.19	1.6
113	MP4C	Z	7.257	1.6
114	MP4C	Mx	.007	1.6
115	MP4C	X	4.19	4.46
116	MP4C	Z	7.257	4.46
117	MP4C	Mx	.007	4.46
118	MP4A	X	2.08	1.5
119	MP4A	Z	3.603	1.5
120	MP4A	Mx	.002	1.5
121	MP4A	X	2.08	1.5
122	MP4A	Z	3.603	1.5
123	MP4A	Mx	.002	1.5
124	MP4B	X	2.268	1.5
125	MP4B	Z	3.929	1.5
126	MP4B	Mx	.001	1.5
127	MP4B	X	2.268	1.5
128	MP4B	Z	3.929	1.5
129	MP4B	Mx	.001	1.5
130	MP4C	X	1.319	1.5
131	MP4C	Z	2.284	1.5
132	MP4C	Mx	-.003	1.5
133	MP4C	X	1.319	1.5
134	MP4C	Z	2.284	1.5
135	MP4C	Mx	-.003	1.5
136	MP2B	X	15.469	1
137	MP2B	Z	26.793	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
138	MP2B	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	0	2
2	MP5B	Z	6.208	2
3	MP5B	Mx	.001	2
4	MP5C	X	0	2
5	MP5C	Z	5.246	2
6	MP5C	Mx	-.001	2
7	MP2A	X	0	1
8	MP2A	Z	31.556	1
9	MP2A	Mx	0	1
10	MP2A	X	0	5.5
11	MP2A	Z	31.556	5.5
12	MP2A	Mx	0	5.5
13	MP2B	X	0	1
14	MP2B	Z	24.348	1
15	MP2B	Mx	-.014	1
16	MP2B	X	0	5.5
17	MP2B	Z	24.348	5.5
18	MP2B	Mx	-.014	5.5
19	MP2C	X	0	1
20	MP2C	Z	21.882	1
21	MP2C	Mx	.015	1
22	MP2C	X	0	5.5
23	MP2C	Z	21.882	5.5
24	MP2C	Mx	.015	5.5
25	MP1A	X	0	1.5
26	MP1A	Z	8.208	1.5
27	MP1A	Mx	0	1.5
28	MP1A	X	0	1.5
29	MP1A	Z	8.208	1.5
30	MP1A	Mx	0	1.5
31	MP1B	X	0	1.5
32	MP1B	Z	6.958	1.5
33	MP1B	Mx	.005	1.5
34	MP1B	X	0	1.5
35	MP1B	Z	6.958	1.5
36	MP1B	Mx	.005	1.5
37	MP1C	X	0	1.5
38	MP1C	Z	6.53	1.5
39	MP1C	Mx	-.005	1.5
40	MP1C	X	0	1.5
41	MP1C	Z	6.53	1.5
42	MP1C	Mx	-.005	1.5
43	MP1A	X	0	4
44	MP1A	Z	8.208	4
45	MP1A	Mx	0	4
46	MP1A	X	0	4
47	MP1A	Z	8.208	4
48	MP1A	Mx	0	4
49	MP1B	X	0	4
50	MP1B	Z	6.483	4
51	MP1B	Mx	.005	4
52	MP1B	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1B	Z	6.483	4
54	MP1B	Mx	.005	4
55	MP1C	X	0	4
56	MP1C	Z	5.893	4
57	MP1C	Mx	-.005	4
58	MP1C	X	0	4
59	MP1C	Z	5.893	4
60	MP1C	Mx	-.005	4
61	MP2A	X	0	1
62	MP2A	Z	31.607	1
63	MP2A	Mx	0	1
64	MP3A	X	0	1
65	MP3A	Z	32.706	1
66	MP3A	Mx	-.027	1
67	MP3A	X	0	5.5
68	MP3A	Z	32.706	5.5
69	MP3A	Mx	-.027	5.5
70	MP3B	X	0	1
71	MP3B	Z	27.628	1
72	MP3B	Mx	0	1
73	MP3B	X	0	5.5
74	MP3B	Z	27.628	5.5
75	MP3B	Mx	0	5.5
76	MP3C	X	0	1
77	MP3C	Z	25.891	1
78	MP3C	Mx	.03	1
79	MP3C	X	0	5.5
80	MP3C	Z	25.891	5.5
81	MP3C	Mx	.03	5.5
82	MP3A	X	0	1
83	MP3A	Z	32.706	1
84	MP3A	Mx	.027	1
85	MP3A	X	0	5.5
86	MP3A	Z	32.706	5.5
87	MP3A	Mx	.027	5.5
88	MP3B	X	0	1
89	MP3B	Z	27.628	1
90	MP3B	Mx	-.033	1
91	MP3B	X	0	5.5
92	MP3B	Z	27.628	5.5
93	MP3B	Mx	-.033	5.5
94	MP3C	X	0	1
95	MP3C	Z	25.891	1
96	MP3C	Mx	.005	1
97	MP3C	X	0	5.5
98	MP3C	Z	25.891	5.5
99	MP3C	Mx	.005	5.5
100	MP4A	X	0	1.6
101	MP4A	Z	19.482	1.6
102	MP4A	Mx	0	1.6
103	MP4A	X	0	4.46
104	MP4A	Z	19.482	4.46
105	MP4A	Mx	0	4.46
106	MP4B	X	0	1.6
107	MP4B	Z	13.888	1.6
108	MP4B	Mx	-.008	1.6
109	MP4B	X	0	4.46

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP4B	Z	13.888	4.46
111	MP4B	Mx	-.008	4.46
112	MP4C	X	0	1.6
113	MP4C	Z	11.975	1.6
114	MP4C	Mx	.008	1.6
115	MP4C	X	0	4.46
116	MP4C	Z	11.975	4.46
117	MP4C	Mx	.008	4.46
118	MP4A	X	0	1.5
119	MP4A	Z	4.674	1.5
120	MP4A	Mx	0	1.5
121	MP4A	X	0	1.5
122	MP4A	Z	4.674	1.5
123	MP4A	Mx	0	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	3.648	1.5
126	MP4B	Mx	.003	1.5
127	MP4B	X	0	1.5
128	MP4B	Z	3.648	1.5
129	MP4B	Mx	.003	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	3.297	1.5
132	MP4C	Mx	-.003	1.5
133	MP4C	X	0	1.5
134	MP4C	Z	3.297	1.5
135	MP4C	Mx	-.003	1.5
136	MP2B	X	0	1
137	MP2B	Z	26.612	1
138	MP2B	Mx	-.009	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-1.886	2
2	MP5B	Z	3.267	2
3	MP5B	Mx	.000911	2
4	MP5C	X	-4.008	2
5	MP5C	Z	6.942	2
6	MP5C	Mx	-.000847	2
7	MP2A	X	-13.976	1
8	MP2A	Z	24.207	1
9	MP2A	Mx	.012	1
10	MP2A	X	-13.976	5.5
11	MP2A	Z	24.207	5.5
12	MP2A	Mx	.012	5.5
13	MP2B	X	-9.052	1
14	MP2B	Z	15.679	1
15	MP2B	Mx	-.015	1
16	MP2B	X	-9.052	5.5
17	MP2B	Z	15.679	5.5
18	MP2B	Mx	-.015	5.5
19	MP2C	X	-14.491	1
20	MP2C	Z	25.099	1
21	MP2C	Mx	.01	1
22	MP2C	X	-14.491	5.5
23	MP2C	Z	25.099	5.5
24	MP2C	Mx	.01	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP1A	X	-3.791	1.5
26	MP1A	Z	6.567	1.5
27	MP1A	Mx	-.004	1.5
28	MP1A	X	-3.791	1.5
29	MP1A	Z	6.567	1.5
30	MP1A	Mx	-.004	1.5
31	MP1B	X	-2.938	1.5
32	MP1B	Z	5.088	1.5
33	MP1B	Mx	.006	1.5
34	MP1B	X	-2.938	1.5
35	MP1B	Z	5.088	1.5
36	MP1B	Mx	.006	1.5
37	MP1C	X	-3.881	1.5
38	MP1C	Z	6.721	1.5
39	MP1C	Mx	-.003	1.5
40	MP1C	X	-3.881	1.5
41	MP1C	Z	6.721	1.5
42	MP1C	Mx	-.003	1.5
43	MP1A	X	-3.673	4
44	MP1A	Z	6.361	4
45	MP1A	Mx	-.004	4
46	MP1A	X	-3.673	4
47	MP1A	Z	6.361	4
48	MP1A	Mx	-.004	4
49	MP1B	X	-2.495	4
50	MP1B	Z	4.321	4
51	MP1B	Mx	.005	4
52	MP1B	X	-2.495	4
53	MP1B	Z	4.321	4
54	MP1B	Mx	.005	4
55	MP1C	X	-3.796	4
56	MP1C	Z	6.574	4
57	MP1C	Mx	-.003	4
58	MP1C	X	-3.796	4
59	MP1C	Z	6.574	4
60	MP1C	Mx	-.003	4
61	MP2A	X	-14.555	1
62	MP2A	Z	25.21	1
63	MP2A	Mx	.007	1
64	MP3A	X	-15.083	1
65	MP3A	Z	26.125	1
66	MP3A	Mx	-.009	1
67	MP3A	X	-15.083	5.5
68	MP3A	Z	26.125	5.5
69	MP3A	Mx	-.009	5.5
70	MP3B	X	-11.615	1
71	MP3B	Z	20.117	1
72	MP3B	Mx	-.014	1
73	MP3B	X	-11.615	5.5
74	MP3B	Z	20.117	5.5
75	MP3B	Mx	-.014	5.5
76	MP3C	X	-15.446	1
77	MP3C	Z	26.753	1
78	MP3C	Mx	.034	1
79	MP3C	X	-15.446	5.5
80	MP3C	Z	26.753	5.5
81	MP3C	Mx	.034	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP3A	X	-15.083	1
83	MP3A	Z	26.125	1
84	MP3A	Mx	.034	1
85	MP3A	X	-15.083	5.5
86	MP3A	Z	26.125	5.5
87	MP3A	Mx	.034	5.5
88	MP3B	X	-11.615	1
89	MP3B	Z	20.117	1
90	MP3B	Mx	-.024	1
91	MP3B	X	-11.615	5.5
92	MP3B	Z	20.117	5.5
93	MP3B	Mx	-.024	5.5
94	MP3C	X	-15.446	1
95	MP3C	Z	26.753	1
96	MP3C	Mx	-.012	1
97	MP3C	X	-15.446	5.5
98	MP3C	Z	26.753	5.5
99	MP3C	Mx	-.012	5.5
100	MP4A	X	-8.343	1.6
101	MP4A	Z	14.45	1.6
102	MP4A	Mx	.007	1.6
103	MP4A	X	-8.343	4.46
104	MP4A	Z	14.45	4.46
105	MP4A	Mx	.007	4.46
106	MP4B	X	-4.522	1.6
107	MP4B	Z	7.833	1.6
108	MP4B	Mx	-.007	1.6
109	MP4B	X	-4.522	4.46
110	MP4B	Z	7.833	4.46
111	MP4B	Mx	-.007	4.46
112	MP4C	X	-8.742	1.6
113	MP4C	Z	15.141	1.6
114	MP4C	Mx	.006	1.6
115	MP4C	X	-8.742	4.46
116	MP4C	Z	15.141	4.46
117	MP4C	Mx	.006	4.46
118	MP4A	X	-2.08	1.5
119	MP4A	Z	3.603	1.5
120	MP4A	Mx	-.002	1.5
121	MP4A	X	-2.08	1.5
122	MP4A	Z	3.603	1.5
123	MP4A	Mx	-.002	1.5
124	MP4B	X	-1.38	1.5
125	MP4B	Z	2.39	1.5
126	MP4B	Mx	.003	1.5
127	MP4B	X	-1.38	1.5
128	MP4B	Z	2.39	1.5
129	MP4B	Mx	.003	1.5
130	MP4C	X	-2.154	1.5
131	MP4C	Z	3.73	1.5
132	MP4C	Mx	-.002	1.5
133	MP4C	X	-2.154	1.5
134	MP4C	Z	3.73	1.5
135	MP4C	Mx	-.002	1.5
136	MP2B	X	-11.143	1
137	MP2B	Z	19.3	1
138	MP2B	Mx	-.011	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-3.267	2
2	MP5B	Z	1.886	2
3	MP5B	Mx	.000911	2
4	MP5C	X	-7.775	2
5	MP5C	Z	4.489	2
6	MP5C	Mx	.000196	2
7	MP2A	X	-17.964	1
8	MP2A	Z	10.372	1
9	MP2A	Mx	.015	1
10	MP2A	X	-17.964	5.5
11	MP2A	Z	10.372	5.5
12	MP2A	Mx	.015	5.5
13	MP2B	X	-15.679	1
14	MP2B	Z	9.052	1
15	MP2B	Mx	-.015	1
16	MP2B	X	-15.679	5.5
17	MP2B	Z	9.052	5.5
18	MP2B	Mx	-.015	5.5
19	MP2C	X	-27.234	1
20	MP2C	Z	15.723	1
21	MP2C	Mx	-.002	1
22	MP2C	X	-27.234	5.5
23	MP2C	Z	15.723	5.5
24	MP2C	Mx	-.002	5.5
25	MP1A	X	-5.485	1.5
26	MP1A	Z	3.166	1.5
27	MP1A	Mx	-.005	1.5
28	MP1A	X	-5.485	1.5
29	MP1A	Z	3.166	1.5
30	MP1A	Mx	-.005	1.5
31	MP1B	X	-5.088	1.5
32	MP1B	Z	2.938	1.5
33	MP1B	Mx	.006	1.5
34	MP1B	X	-5.088	1.5
35	MP1B	Z	2.938	1.5
36	MP1B	Mx	.006	1.5
37	MP1C	X	-7.092	1.5
38	MP1C	Z	4.094	1.5
39	MP1C	Mx	.000714	1.5
40	MP1C	X	-7.092	1.5
41	MP1C	Z	4.094	1.5
42	MP1C	Mx	.000714	1.5
43	MP1A	X	-4.868	4
44	MP1A	Z	2.81	4
45	MP1A	Mx	-.005	4
46	MP1A	X	-4.868	4
47	MP1A	Z	2.81	4
48	MP1A	Mx	-.005	4
49	MP1B	X	-4.321	4
50	MP1B	Z	2.495	4
51	MP1B	Mx	.005	4
52	MP1B	X	-4.321	4
53	MP1B	Z	2.495	4
54	MP1B	Mx	.005	4
55	MP1C	X	-7.085	4
56	MP1C	Z	4.091	4
57	MP1C	Mx	.000713	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1C	X	-7.085	4
59	MP1C	Z	4.091	4
60	MP1C	Mx	.000713	4
61	MP2A	X	-20.883	1
62	MP2A	Z	12.057	1
63	MP2A	Mx	.01	1
64	MP3A	X	-21.727	1
65	MP3A	Z	12.544	1
66	MP3A	Mx	.008	1
67	MP3A	X	-21.727	5.5
68	MP3A	Z	12.544	5.5
69	MP3A	Mx	.008	5.5
70	MP3B	X	-20.117	1
71	MP3B	Z	11.615	1
72	MP3B	Mx	-.024	1
73	MP3B	X	-20.117	5.5
74	MP3B	Z	11.615	5.5
75	MP3B	Mx	-.024	5.5
76	MP3C	X	-28.258	1
77	MP3C	Z	16.314	1
78	MP3C	Mx	.025	1
79	MP3C	X	-28.258	5.5
80	MP3C	Z	16.314	5.5
81	MP3C	Mx	.025	5.5
82	MP3A	X	-21.727	1
83	MP3A	Z	12.544	1
84	MP3A	Mx	.029	1
85	MP3A	X	-21.727	5.5
86	MP3A	Z	12.544	5.5
87	MP3A	Mx	.029	5.5
88	MP3B	X	-20.117	1
89	MP3B	Z	11.615	1
90	MP3B	Mx	-.014	1
91	MP3B	X	-20.117	5.5
92	MP3B	Z	11.615	5.5
93	MP3B	Mx	-.014	5.5
94	MP3C	X	-28.258	1
95	MP3C	Z	16.314	1
96	MP3C	Mx	-.029	1
97	MP3C	X	-28.258	5.5
98	MP3C	Z	16.314	5.5
99	MP3C	Mx	-.029	5.5
100	MP4A	X	-9.606	1.6
101	MP4A	Z	5.546	1.6
102	MP4A	Mx	.008	1.6
103	MP4A	X	-9.606	4.46
104	MP4A	Z	5.546	4.46
105	MP4A	Mx	.008	4.46
106	MP4B	X	-7.833	1.6
107	MP4B	Z	4.522	1.6
108	MP4B	Mx	-.007	1.6
109	MP4B	X	-7.833	4.46
110	MP4B	Z	4.522	4.46
111	MP4B	Mx	-.007	4.46
112	MP4C	X	-16.798	1.6
113	MP4C	Z	9.698	1.6
114	MP4C	Mx	-.001	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4C	X	-16.798	4.46
116	MP4C	Z	9.698	4.46
117	MP4C	Mx	-.001	4.46
118	MP4A	X	-2.715	1.5
119	MP4A	Z	1.568	1.5
120	MP4A	Mx	-.003	1.5
121	MP4A	X	-2.715	1.5
122	MP4A	Z	1.568	1.5
123	MP4A	Mx	-.003	1.5
124	MP4B	X	-2.39	1.5
125	MP4B	Z	1.38	1.5
126	MP4B	Mx	.003	1.5
127	MP4B	X	-2.39	1.5
128	MP4B	Z	1.38	1.5
129	MP4B	Mx	.003	1.5
130	MP4C	X	-4.034	1.5
131	MP4C	Z	2.329	1.5
132	MP4C	Mx	.000406	1.5
133	MP4C	X	-4.034	1.5
134	MP4C	Z	2.329	1.5
135	MP4C	Mx	.000406	1.5
136	MP2B	X	-19.3	1
137	MP2B	Z	11.143	1
138	MP2B	Mx	-.011	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-6.208	2
2	MP5B	Z	0	2
3	MP5B	Mx	.001	2
4	MP5C	X	-7.17	2
5	MP5C	Z	0	2
6	MP5C	Mx	.001	2
7	MP2A	X	-17.139	1
8	MP2A	Z	0	1
9	MP2A	Mx	.014	1
10	MP2A	X	-17.139	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.014	5.5
13	MP2B	X	-24.348	1
14	MP2B	Z	0	1
15	MP2B	Mx	-.014	1
16	MP2B	X	-24.348	5.5
17	MP2B	Z	0	5.5
18	MP2B	Mx	-.014	5.5
19	MP2C	X	-26.813	1
20	MP2C	Z	0	1
21	MP2C	Mx	-.013	1
22	MP2C	X	-26.813	5.5
23	MP2C	Z	0	5.5
24	MP2C	Mx	-.013	5.5
25	MP1A	X	-5.708	1.5
26	MP1A	Z	0	1.5
27	MP1A	Mx	-.006	1.5
28	MP1A	X	-5.708	1.5
29	MP1A	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP1A	Mx	-.006	1.5
31	MP1B	X	-6.958	1.5
32	MP1B	Z	0	1.5
33	MP1B	Mx	.005	1.5
34	MP1B	X	-6.958	1.5
35	MP1B	Z	0	1.5
36	MP1B	Mx	.005	1.5
37	MP1C	X	-7.385	1.5
38	MP1C	Z	0	1.5
39	MP1C	Mx	.004	1.5
40	MP1C	X	-7.385	1.5
41	MP1C	Z	0	1.5
42	MP1C	Mx	.004	1.5
43	MP1A	X	-4.758	4
44	MP1A	Z	0	4
45	MP1A	Mx	-.005	4
46	MP1A	X	-4.758	4
47	MP1A	Z	0	4
48	MP1A	Mx	-.005	4
49	MP1B	X	-6.483	4
50	MP1B	Z	0	4
51	MP1B	Mx	.005	4
52	MP1B	X	-6.483	4
53	MP1B	Z	0	4
54	MP1B	Mx	.005	4
55	MP1C	X	-7.073	4
56	MP1C	Z	0	4
57	MP1C	Mx	.004	4
58	MP1C	X	-7.073	4
59	MP1C	Z	0	4
60	MP1C	Mx	.004	4
61	MP2A	X	-21.616	1
62	MP2A	Z	0	1
63	MP2A	Mx	.011	1
64	MP3A	X	-22.549	1
65	MP3A	Z	0	1
66	MP3A	Mx	.019	1
67	MP3A	X	-22.549	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	.019	5.5
70	MP3B	X	-27.628	1
71	MP3B	Z	0	1
72	MP3B	Mx	-.033	1
73	MP3B	X	-27.628	5.5
74	MP3B	Z	0	5.5
75	MP3B	Mx	-.033	5.5
76	MP3C	X	-29.365	1
77	MP3C	Z	0	1
78	MP3C	Mx	.006	1
79	MP3C	X	-29.365	5.5
80	MP3C	Z	0	5.5
81	MP3C	Mx	.006	5.5
82	MP3A	X	-22.549	1
83	MP3A	Z	0	1
84	MP3A	Mx	.019	1
85	MP3A	X	-22.549	5.5
86	MP3A	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP3A	Mx	.019	5.5
88	MP3B	X	-27.628	1
89	MP3B	Z	0	1
90	MP3B	Mx	0	1
91	MP3B	X	-27.628	5.5
92	MP3B	Z	0	5.5
93	MP3B	Mx	0	5.5
94	MP3C	X	-29.365	1
95	MP3C	Z	0	1
96	MP3C	Mx	-.034	1
97	MP3C	X	-29.365	5.5
98	MP3C	Z	0	5.5
99	MP3C	Mx	-.034	5.5
100	MP4A	X	-8.295	1.6
101	MP4A	Z	0	1.6
102	MP4A	Mx	.007	1.6
103	MP4A	X	-8.295	4.46
104	MP4A	Z	0	4.46
105	MP4A	Mx	.007	4.46
106	MP4B	X	-13.888	1.6
107	MP4B	Z	0	1.6
108	MP4B	Mx	-.008	1.6
109	MP4B	X	-13.888	4.46
110	MP4B	Z	0	4.46
111	MP4B	Mx	-.008	4.46
112	MP4C	X	-15.801	1.6
113	MP4C	Z	0	1.6
114	MP4C	Mx	-.008	1.6
115	MP4C	X	-15.801	4.46
116	MP4C	Z	0	4.46
117	MP4C	Mx	-.008	4.46
118	MP4A	X	-2.622	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	-.003	1.5
121	MP4A	X	-2.622	1.5
122	MP4A	Z	0	1.5
123	MP4A	Mx	-.003	1.5
124	MP4B	X	-3.648	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	.003	1.5
127	MP4B	X	-3.648	1.5
128	MP4B	Z	0	1.5
129	MP4B	Mx	.003	1.5
130	MP4C	X	-3.999	1.5
131	MP4C	Z	0	1.5
132	MP4C	Mx	.002	1.5
133	MP4C	X	-3.999	1.5
134	MP4C	Z	0	1.5
135	MP4C	Mx	.002	1.5
136	MP2B	X	-26.612	1
137	MP2B	Z	0	1
138	MP2B	Mx	-.009	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-7.486	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5B	Z	-4.322	2
3	MP5B	Mx	.000559	2
4	MP5C	X	-3.811	2
5	MP5C	Z	-2.2	2
6	MP5C	Mx	.000997	2
7	MP2A	X	-17.964	1
8	MP2A	Z	-10.372	1
9	MP2A	Mx	.015	1
10	MP2A	X	-17.964	5.5
11	MP2A	Z	-10.372	5.5
12	MP2A	Mx	.015	5.5
13	MP2B	X	-26.492	1
14	MP2B	Z	-15.295	1
15	MP2B	Mx	-.007	1
16	MP2B	X	-26.492	5.5
17	MP2B	Z	-15.295	5.5
18	MP2B	Mx	-.007	5.5
19	MP2C	X	-17.073	1
20	MP2C	Z	-9.857	1
21	MP2C	Mx	-.015	1
22	MP2C	X	-17.073	5.5
23	MP2C	Z	-9.857	5.5
24	MP2C	Mx	-.015	5.5
25	MP1A	X	-5.485	1.5
26	MP1A	Z	-3.166	1.5
27	MP1A	Mx	-.005	1.5
28	MP1A	X	-5.485	1.5
29	MP1A	Z	-3.166	1.5
30	MP1A	Mx	-.005	1.5
31	MP1B	X	-6.963	1.5
32	MP1B	Z	-4.02	1.5
33	MP1B	Mx	.002	1.5
34	MP1B	X	-6.963	1.5
35	MP1B	Z	-4.02	1.5
36	MP1B	Mx	.002	1.5
37	MP1C	X	-5.33	1.5
38	MP1C	Z	-3.077	1.5
39	MP1C	Mx	.006	1.5
40	MP1C	X	-5.33	1.5
41	MP1C	Z	-3.077	1.5
42	MP1C	Mx	.006	1.5
43	MP1A	X	-4.868	4
44	MP1A	Z	-2.81	4
45	MP1A	Mx	-.005	4
46	MP1A	X	-4.868	4
47	MP1A	Z	-2.81	4
48	MP1A	Mx	-.005	4
49	MP1B	X	-6.908	4
50	MP1B	Z	-3.988	4
51	MP1B	Mx	.002	4
52	MP1B	X	-6.908	4
53	MP1B	Z	-3.988	4
54	MP1B	Mx	.002	4
55	MP1C	X	-4.654	4
56	MP1C	Z	-2.687	4
57	MP1C	Mx	.005	4
58	MP1C	X	-4.654	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP1C	Z	-2.687	4
60	MP1C	Mx	.005	4
61	MP2A	X	-20.883	1
62	MP2A	Z	-12.057	1
63	MP2A	Mx	.01	1
64	MP3A	X	-21.727	1
65	MP3A	Z	-12.544	1
66	MP3A	Mx	.029	1
67	MP3A	X	-21.727	5.5
68	MP3A	Z	-12.544	5.5
69	MP3A	Mx	.029	5.5
70	MP3B	X	-27.735	1
71	MP3B	Z	-16.013	1
72	MP3B	Mx	-.033	1
73	MP3B	X	-27.735	5.5
74	MP3B	Z	-16.013	5.5
75	MP3B	Mx	-.033	5.5
76	MP3C	X	-21.099	1
77	MP3C	Z	-12.182	1
78	MP3C	Mx	-.01	1
79	MP3C	X	-21.099	5.5
80	MP3C	Z	-12.182	5.5
81	MP3C	Mx	-.01	5.5
82	MP3A	X	-21.727	1
83	MP3A	Z	-12.544	1
84	MP3A	Mx	.008	1
85	MP3A	X	-21.727	5.5
86	MP3A	Z	-12.544	5.5
87	MP3A	Mx	.008	5.5
88	MP3B	X	-27.735	1
89	MP3B	Z	-16.013	1
90	MP3B	Mx	.019	1
91	MP3B	X	-27.735	5.5
92	MP3B	Z	-16.013	5.5
93	MP3B	Mx	.019	5.5
94	MP3C	X	-21.099	1
95	MP3C	Z	-12.182	1
96	MP3C	Mx	-.027	1
97	MP3C	X	-21.099	5.5
98	MP3C	Z	-12.182	5.5
99	MP3C	Mx	-.027	5.5
100	MP4A	X	-9.606	1.6
101	MP4A	Z	-5.546	1.6
102	MP4A	Mx	.008	1.6
103	MP4A	X	-9.606	4.46
104	MP4A	Z	-5.546	4.46
105	MP4A	Mx	.008	4.46
106	MP4B	X	-16.223	1.6
107	MP4B	Z	-9.366	1.6
108	MP4B	Mx	-.004	1.6
109	MP4B	X	-16.223	4.46
110	MP4B	Z	-9.366	4.46
111	MP4B	Mx	-.004	4.46
112	MP4C	X	-8.914	1.6
113	MP4C	Z	-5.147	1.6
114	MP4C	Mx	-.008	1.6
115	MP4C	X	-8.914	4.46

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP4C	Z	-5.147	4.46
117	MP4C	Mx	-.008	4.46
118	MP4A	X	-2.715	1.5
119	MP4A	Z	-1.568	1.5
120	MP4A	Mx	-.003	1.5
121	MP4A	X	-2.715	1.5
122	MP4A	Z	-1.568	1.5
123	MP4A	Mx	-.003	1.5
124	MP4B	X	-3.929	1.5
125	MP4B	Z	-2.268	1.5
126	MP4B	Mx	.001	1.5
127	MP4B	X	-3.929	1.5
128	MP4B	Z	-2.268	1.5
129	MP4B	Mx	.001	1.5
130	MP4C	X	-2.588	1.5
131	MP4C	Z	-1.494	1.5
132	MP4C	Mx	.003	1.5
133	MP4C	X	-2.588	1.5
134	MP4C	Z	-1.494	1.5
135	MP4C	Mx	.003	1.5
136	MP2B	X	-26.793	1
137	MP2B	Z	-15.469	1
138	MP2B	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-4.322	2
2	MP5B	Z	-7.486	2
3	MP5B	Mx	-.000559	2
4	MP5C	X	-1.719	2
5	MP5C	Z	-2.977	2
6	MP5C	Mx	.000856	2
7	MP2A	X	-13.976	1
8	MP2A	Z	-24.207	1
9	MP2A	Mx	.012	1
10	MP2A	X	-13.976	5.5
11	MP2A	Z	-24.207	5.5
12	MP2A	Mx	.012	5.5
13	MP2B	X	-15.295	1
14	MP2B	Z	-26.492	1
15	MP2B	Mx	.007	1
16	MP2B	X	-15.295	5.5
17	MP2B	Z	-26.492	5.5
18	MP2B	Mx	.007	5.5
19	MP2C	X	-8.624	1
20	MP2C	Z	-14.938	1
21	MP2C	Mx	-.014	1
22	MP2C	X	-8.624	5.5
23	MP2C	Z	-14.938	5.5
24	MP2C	Mx	-.014	5.5
25	MP1A	X	-3.791	1.5
26	MP1A	Z	-6.567	1.5
27	MP1A	Mx	-.004	1.5
28	MP1A	X	-3.791	1.5
29	MP1A	Z	-6.567	1.5
30	MP1A	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP1B	X	-4.02	1.5
32	MP1B	Z	-6.963	1.5
33	MP1B	Mx	-.002	1.5
34	MP1B	X	-4.02	1.5
35	MP1B	Z	-6.963	1.5
36	MP1B	Mx	-.002	1.5
37	MP1C	X	-2.864	1.5
38	MP1C	Z	-4.96	1.5
39	MP1C	Mx	.006	1.5
40	MP1C	X	-2.864	1.5
41	MP1C	Z	-4.96	1.5
42	MP1C	Mx	.006	1.5
43	MP1A	X	-3.673	4
44	MP1A	Z	-6.361	4
45	MP1A	Mx	-.004	4
46	MP1A	X	-3.673	4
47	MP1A	Z	-6.361	4
48	MP1A	Mx	-.004	4
49	MP1B	X	-3.988	4
50	MP1B	Z	-6.908	4
51	MP1B	Mx	-.002	4
52	MP1B	X	-3.988	4
53	MP1B	Z	-6.908	4
54	MP1B	Mx	-.002	4
55	MP1C	X	-2.392	4
56	MP1C	Z	-4.144	4
57	MP1C	Mx	.005	4
58	MP1C	X	-2.392	4
59	MP1C	Z	-4.144	4
60	MP1C	Mx	.005	4
61	MP2A	X	-14.555	1
62	MP2A	Z	-25.21	1
63	MP2A	Mx	.007	1
64	MP3A	X	-15.083	1
65	MP3A	Z	-26.125	1
66	MP3A	Mx	.034	1
67	MP3A	X	-15.083	5.5
68	MP3A	Z	-26.125	5.5
69	MP3A	Mx	.034	5.5
70	MP3B	X	-16.013	1
71	MP3B	Z	-27.735	1
72	MP3B	Mx	-.019	1
73	MP3B	X	-16.013	5.5
74	MP3B	Z	-27.735	5.5
75	MP3B	Mx	-.019	5.5
76	MP3C	X	-11.313	1
77	MP3C	Z	-19.595	1
78	MP3C	Mx	-.02	1
79	MP3C	X	-11.313	5.5
80	MP3C	Z	-19.595	5.5
81	MP3C	Mx	-.02	5.5
82	MP3A	X	-15.083	1
83	MP3A	Z	-26.125	1
84	MP3A	Mx	-.009	1
85	MP3A	X	-15.083	5.5
86	MP3A	Z	-26.125	5.5
87	MP3A	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	-16.013	1
89	MP3B	Z	-27.735	1
90	MP3B	Mx	.033	1
91	MP3B	X	-16.013	5.5
92	MP3B	Z	-27.735	5.5
93	MP3B	Mx	.033	5.5
94	MP3C	X	-11.313	1
95	MP3C	Z	-19.595	1
96	MP3C	Mx	-.017	1
97	MP3C	X	-11.313	5.5
98	MP3C	Z	-19.595	5.5
99	MP3C	Mx	-.017	5.5
100	MP4A	X	-8.343	1.6
101	MP4A	Z	-14.45	1.6
102	MP4A	Mx	.007	1.6
103	MP4A	X	-8.343	4.46
104	MP4A	Z	-14.45	4.46
105	MP4A	Mx	.007	4.46
106	MP4B	X	-9.366	1.6
107	MP4B	Z	-16.223	1.6
108	MP4B	Mx	.004	1.6
109	MP4B	X	-9.366	4.46
110	MP4B	Z	-16.223	4.46
111	MP4B	Mx	.004	4.46
112	MP4C	X	-4.19	1.6
113	MP4C	Z	-7.257	1.6
114	MP4C	Mx	-.007	1.6
115	MP4C	X	-4.19	4.46
116	MP4C	Z	-7.257	4.46
117	MP4C	Mx	-.007	4.46
118	MP4A	X	-2.08	1.5
119	MP4A	Z	-3.603	1.5
120	MP4A	Mx	-.002	1.5
121	MP4A	X	-2.08	1.5
122	MP4A	Z	-3.603	1.5
123	MP4A	Mx	-.002	1.5
124	MP4B	X	-2.268	1.5
125	MP4B	Z	-3.929	1.5
126	MP4B	Mx	-.001	1.5
127	MP4B	X	-2.268	1.5
128	MP4B	Z	-3.929	1.5
129	MP4B	Mx	-.001	1.5
130	MP4C	X	-1.319	1.5
131	MP4C	Z	-2.284	1.5
132	MP4C	Mx	.003	1.5
133	MP4C	X	-1.319	1.5
134	MP4C	Z	-2.284	1.5
135	MP4C	Mx	.003	1.5
136	MP2B	X	-15.469	1
137	MP2B	Z	-26.793	1
138	MP2B	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	0	2
2	MP5B	Z	-1.654	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP5B	Mx	-.000292	2
4	MP5C	X	0	2
5	MP5C	Z	-1.351	2
6	MP5C	Mx	.000277	2
7	MP2A	X	0	1
8	MP2A	Z	-10.295	1
9	MP2A	Mx	0	1
10	MP2A	X	0	5.5
11	MP2A	Z	-10.295	5.5
12	MP2A	Mx	0	5.5
13	MP2B	X	0	1
14	MP2B	Z	-7.742	1
15	MP2B	Mx	.005	1
16	MP2B	X	0	5.5
17	MP2B	Z	-7.742	5.5
18	MP2B	Mx	.005	5.5
19	MP2C	X	0	1
20	MP2C	Z	-6.869	1
21	MP2C	Mx	-.005	1
22	MP2C	X	0	5.5
23	MP2C	Z	-6.869	5.5
24	MP2C	Mx	-.005	5.5
25	MP1A	X	0	1.5
26	MP1A	Z	-2.049	1.5
27	MP1A	Mx	0	1.5
28	MP1A	X	0	1.5
29	MP1A	Z	-2.049	1.5
30	MP1A	Mx	0	1.5
31	MP1B	X	0	1.5
32	MP1B	Z	-1.711	1.5
33	MP1B	Mx	-.001	1.5
34	MP1B	X	0	1.5
35	MP1B	Z	-1.711	1.5
36	MP1B	Mx	-.001	1.5
37	MP1C	X	0	1.5
38	MP1C	Z	-1.596	1.5
39	MP1C	Mx	.001	1.5
40	MP1C	X	0	1.5
41	MP1C	Z	-1.596	1.5
42	MP1C	Mx	.001	1.5
43	MP1A	X	0	4
44	MP1A	Z	-2.049	4
45	MP1A	Mx	0	4
46	MP1A	X	0	4
47	MP1A	Z	-2.049	4
48	MP1A	Mx	0	4
49	MP1B	X	0	4
50	MP1B	Z	-1.586	4
51	MP1B	Mx	-.001	4
52	MP1B	X	0	4
53	MP1B	Z	-1.586	4
54	MP1B	Mx	-.001	4
55	MP1C	X	0	4
56	MP1C	Z	-1.428	4
57	MP1C	Mx	.001	4
58	MP1C	X	0	4
59	MP1C	Z	-1.428	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1C	Mx	.001	4
61	MP2A	X	0	1
62	MP2A	Z	-10.018	1
63	MP2A	Mx	0	1
64	MP3A	X	0	1
65	MP3A	Z	-7.176	1
66	MP3A	Mx	.006	1
67	MP3A	X	0	5.5
68	MP3A	Z	-7.176	5.5
69	MP3A	Mx	.006	5.5
70	MP3B	X	0	1
71	MP3B	Z	-5.128	1
72	MP3B	Mx	0	1
73	MP3B	X	0	5.5
74	MP3B	Z	-5.128	5.5
75	MP3B	Mx	0	5.5
76	MP3C	X	0	1
77	MP3C	Z	-4.427	1
78	MP3C	Mx	-.005	1
79	MP3C	X	0	5.5
80	MP3C	Z	-4.427	5.5
81	MP3C	Mx	-.005	5.5
82	MP3A	X	0	1
83	MP3A	Z	-10.639	1
84	MP3A	Mx	-.009	1
85	MP3A	X	0	5.5
86	MP3A	Z	-10.639	5.5
87	MP3A	Mx	-.009	5.5
88	MP3B	X	0	1
89	MP3B	Z	-8.849	1
90	MP3B	Mx	.01	1
91	MP3B	X	0	5.5
92	MP3B	Z	-8.849	5.5
93	MP3B	Mx	.01	5.5
94	MP3C	X	0	1
95	MP3C	Z	-8.237	1
96	MP3C	Mx	-.002	1
97	MP3C	X	0	5.5
98	MP3C	Z	-8.237	5.5
99	MP3C	Mx	-.002	5.5
100	MP4A	X	0	1.6
101	MP4A	Z	-5.181	1.6
102	MP4A	Mx	0	1.6
103	MP4A	X	0	4.46
104	MP4A	Z	-5.181	4.46
105	MP4A	Mx	0	4.46
106	MP4B	X	0	1.6
107	MP4B	Z	-3.482	1.6
108	MP4B	Mx	.002	1.6
109	MP4B	X	0	4.46
110	MP4B	Z	-3.482	4.46
111	MP4B	Mx	.002	4.46
112	MP4C	X	0	1.6
113	MP4C	Z	-2.902	1.6
114	MP4C	Mx	-.002	1.6
115	MP4C	X	0	4.46
116	MP4C	Z	-2.902	4.46

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP4C	Mx	-.002	4.46
118	MP4A	X	0	1.5
119	MP4A	Z	-.952	1.5
120	MP4A	Mx	0	1.5
121	MP4A	X	0	1.5
122	MP4A	Z	-.952	1.5
123	MP4A	Mx	0	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	-.7	1.5
126	MP4B	Mx	-.000495	1.5
127	MP4B	X	0	1.5
128	MP4B	Z	-.7	1.5
129	MP4B	Mx	-.000495	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	-.615	1.5
132	MP4C	Mx	.000504	1.5
133	MP4C	X	0	1.5
134	MP4C	Z	-.615	1.5
135	MP4C	Mx	.000504	1.5
136	MP2B	X	0	1
137	MP2B	Z	-8.324	1
138	MP2B	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	.444	2
2	MP5B	Z	-.769	2
3	MP5B	Mx	-.000214	2
4	MP5C	X	1.111	2
5	MP5C	Z	-1.924	2
6	MP5C	Mx	.000235	2
7	MP2A	X	4.509	1
8	MP2A	Z	-7.81	1
9	MP2A	Mx	-.004	1
10	MP2A	X	4.509	5.5
11	MP2A	Z	-7.81	5.5
12	MP2A	Mx	-.004	5.5
13	MP2B	X	2.765	1
14	MP2B	Z	-4.79	1
15	MP2B	Mx	.004	1
16	MP2B	X	2.765	5.5
17	MP2B	Z	-4.79	5.5
18	MP2B	Mx	.004	5.5
19	MP2C	X	4.692	1
20	MP2C	Z	-8.126	1
21	MP2C	Mx	-.003	1
22	MP2C	X	4.692	5.5
23	MP2C	Z	-8.126	5.5
24	MP2C	Mx	-.003	5.5
25	MP1A	X	.94	1.5
26	MP1A	Z	-1.628	1.5
27	MP1A	Mx	.00094	1.5
28	MP1A	X	.94	1.5
29	MP1A	Z	-1.628	1.5
30	MP1A	Mx	.00094	1.5
31	MP1B	X	.71	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1B	Z	-1.229	1.5
33	MP1B	Mx	-.001	1.5
34	MP1B	X	.71	1.5
35	MP1B	Z	-1.229	1.5
36	MP1B	Mx	-.001	1.5
37	MP1C	X	.964	1.5
38	MP1C	Z	-1.67	1.5
39	MP1C	Mx	.000815	1.5
40	MP1C	X	.964	1.5
41	MP1C	Z	-1.67	1.5
42	MP1C	Mx	.000815	1.5
43	MP1A	X	.909	4
44	MP1A	Z	-1.574	4
45	MP1A	Mx	.000909	4
46	MP1A	X	.909	4
47	MP1A	Z	-1.574	4
48	MP1A	Mx	.000909	4
49	MP1B	X	.593	4
50	MP1B	Z	-1.027	4
51	MP1B	Mx	-.001	4
52	MP1B	X	.593	4
53	MP1B	Z	-1.027	4
54	MP1B	Mx	-.001	4
55	MP1C	X	.942	4
56	MP1C	Z	-1.631	4
57	MP1C	Mx	.000796	4
58	MP1C	X	.942	4
59	MP1C	Z	-1.631	4
60	MP1C	Mx	.000796	4
61	MP2A	X	4.586	1
62	MP2A	Z	-7.942	1
63	MP2A	Mx	-.002	1
64	MP3A	X	3.076	1
65	MP3A	Z	-5.328	1
66	MP3A	Mx	.002	1
67	MP3A	X	3.076	5.5
68	MP3A	Z	-5.328	5.5
69	MP3A	Mx	.002	5.5
70	MP3B	X	1.677	1
71	MP3B	Z	-2.904	1
72	MP3B	Mx	.002	1
73	MP3B	X	1.677	5.5
74	MP3B	Z	-2.904	5.5
75	MP3B	Mx	.002	5.5
76	MP3C	X	3.222	1
77	MP3C	Z	-5.581	1
78	MP3C	Mx	-.007	1
79	MP3C	X	3.222	5.5
80	MP3C	Z	-5.581	5.5
81	MP3C	Mx	-.007	5.5
82	MP3A	X	4.872	1
83	MP3A	Z	-8.439	1
84	MP3A	Mx	-.011	1
85	MP3A	X	4.872	5.5
86	MP3A	Z	-8.439	5.5
87	MP3A	Mx	-.011	5.5
88	MP3B	X	3.65	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP3B	Z	-6.321	1
90	MP3B	Mx	.007	1
91	MP3B	X	3.65	5.5
92	MP3B	Z	-6.321	5.5
93	MP3B	Mx	.007	5.5
94	MP3C	X	5	1
95	MP3C	Z	-8.66	1
96	MP3C	Mx	.004	1
97	MP3C	X	5	5.5
98	MP3C	Z	-8.66	5.5
99	MP3C	Mx	.004	5.5
100	MP4A	X	2.166	1.6
101	MP4A	Z	-3.751	1.6
102	MP4A	Mx	-.002	1.6
103	MP4A	X	2.166	4.46
104	MP4A	Z	-3.751	4.46
105	MP4A	Mx	-.002	4.46
106	MP4B	X	1.006	1.6
107	MP4B	Z	-1.742	1.6
108	MP4B	Mx	.002	1.6
109	MP4B	X	1.006	4.46
110	MP4B	Z	-1.742	4.46
111	MP4B	Mx	.002	4.46
112	MP4C	X	2.287	1.6
113	MP4C	Z	-3.961	1.6
114	MP4C	Mx	-.002	1.6
115	MP4C	X	2.287	4.46
116	MP4C	Z	-3.961	4.46
117	MP4C	Mx	-.002	4.46
118	MP4A	X	.413	1.5
119	MP4A	Z	-.715	1.5
120	MP4A	Mx	.000413	1.5
121	MP4A	X	.413	1.5
122	MP4A	Z	-.715	1.5
123	MP4A	Mx	.000413	1.5
124	MP4B	X	.241	1.5
125	MP4B	Z	-.418	1.5
126	MP4B	Mx	-.000466	1.5
127	MP4B	X	.241	1.5
128	MP4B	Z	-.418	1.5
129	MP4B	Mx	-.000466	1.5
130	MP4C	X	.431	1.5
131	MP4C	Z	-.746	1.5
132	MP4C	Mx	.000364	1.5
133	MP4C	X	.431	1.5
134	MP4C	Z	-.746	1.5
135	MP4C	Mx	.000364	1.5
136	MP2B	X	3.429	1
137	MP2B	Z	-5.939	1
138	MP2B	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	.769	2
2	MP5B	Z	-.444	2
3	MP5B	Mx	-.000214	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP5C	X	2.186	2
5	MP5C	Z	-1.262	2
6	MP5C	Mx	-5.5e-5	2
7	MP2A	X	5.599	1
8	MP2A	Z	-3.233	1
9	MP2A	Mx	-.005	1
10	MP2A	X	5.599	5.5
11	MP2A	Z	-3.233	5.5
12	MP2A	Mx	-.005	5.5
13	MP2B	X	4.79	1
14	MP2B	Z	-2.765	1
15	MP2B	Mx	.004	1
16	MP2B	X	4.79	5.5
17	MP2B	Z	-2.765	5.5
18	MP2B	Mx	.004	5.5
19	MP2C	X	8.882	1
20	MP2C	Z	-5.128	1
21	MP2C	Mx	.000745	1
22	MP2C	X	8.882	5.5
23	MP2C	Z	-5.128	5.5
24	MP2C	Mx	.000745	5.5
25	MP1A	X	1.336	1.5
26	MP1A	Z	-.771	1.5
27	MP1A	Mx	.001	1.5
28	MP1A	X	1.336	1.5
29	MP1A	Z	-.771	1.5
30	MP1A	Mx	.001	1.5
31	MP1B	X	1.229	1.5
32	MP1B	Z	-.71	1.5
33	MP1B	Mx	-.001	1.5
34	MP1B	X	1.229	1.5
35	MP1B	Z	-.71	1.5
36	MP1B	Mx	-.001	1.5
37	MP1C	X	1.77	1.5
38	MP1C	Z	-1.022	1.5
39	MP1C	Mx	-.000178	1.5
40	MP1C	X	1.77	1.5
41	MP1C	Z	-1.022	1.5
42	MP1C	Mx	-.000178	1.5
43	MP1A	X	1.173	4
44	MP1A	Z	-.677	4
45	MP1A	Mx	.001	4
46	MP1A	X	1.173	4
47	MP1A	Z	-.677	4
48	MP1A	Mx	.001	4
49	MP1B	X	1.027	4
50	MP1B	Z	-.593	4
51	MP1B	Mx	-.001	4
52	MP1B	X	1.027	4
53	MP1B	Z	-.593	4
54	MP1B	Mx	-.001	4
55	MP1C	X	1.768	4
56	MP1C	Z	-1.021	4
57	MP1C	Mx	-.000178	4
58	MP1C	X	1.768	4
59	MP1C	Z	-1.021	4
60	MP1C	Mx	-.000178	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2A	X	6.476	1
62	MP2A	Z	-3.739	1
63	MP2A	Mx	-.003	1
64	MP3A	X	3.554	1
65	MP3A	Z	-2.052	1
66	MP3A	Mx	-.001	1
67	MP3A	X	3.554	5.5
68	MP3A	Z	-2.052	5.5
69	MP3A	Mx	-.001	5.5
70	MP3B	X	2.904	1
71	MP3B	Z	-1.677	1
72	MP3B	Mx	.003	1
73	MP3B	X	2.904	5.5
74	MP3B	Z	-1.677	5.5
75	MP3B	Mx	.003	5.5
76	MP3C	X	6.188	1
77	MP3C	Z	-3.573	1
78	MP3C	Mx	-.005	1
79	MP3C	X	6.188	5.5
80	MP3C	Z	-3.573	5.5
81	MP3C	Mx	-.005	5.5
82	MP3A	X	6.889	1
83	MP3A	Z	-3.977	1
84	MP3A	Mx	-.009	1
85	MP3A	X	6.889	5.5
86	MP3A	Z	-3.977	5.5
87	MP3A	Mx	-.009	5.5
88	MP3B	X	6.321	1
89	MP3B	Z	-3.65	1
90	MP3B	Mx	.004	1
91	MP3B	X	6.321	5.5
92	MP3B	Z	-3.65	5.5
93	MP3B	Mx	.004	5.5
94	MP3C	X	9.19	1
95	MP3C	Z	-5.306	1
96	MP3C	Mx	.01	1
97	MP3C	X	9.19	5.5
98	MP3C	Z	-5.306	5.5
99	MP3C	Mx	.01	5.5
100	MP4A	X	2.281	1.6
101	MP4A	Z	-1.317	1.6
102	MP4A	Mx	-.002	1.6
103	MP4A	X	2.281	4.46
104	MP4A	Z	-1.317	4.46
105	MP4A	Mx	-.002	4.46
106	MP4B	X	1.742	1.6
107	MP4B	Z	-1.006	1.6
108	MP4B	Mx	.002	1.6
109	MP4B	X	1.742	4.46
110	MP4B	Z	-1.006	4.46
111	MP4B	Mx	.002	4.46
112	MP4C	X	4.464	1.6
113	MP4C	Z	-2.577	1.6
114	MP4C	Mx	.000375	1.6
115	MP4C	X	4.464	4.46
116	MP4C	Z	-2.577	4.46
117	MP4C	Mx	.000375	4.46

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
118	MP4A	X	.498	1.5
119	MP4A	Z	-.287	1.5
120	MP4A	Mx	.000498	1.5
121	MP4A	X	.498	1.5
122	MP4A	Z	-.287	1.5
123	MP4A	Mx	.000498	1.5
124	MP4B	X	.418	1.5
125	MP4B	Z	-.241	1.5
126	MP4B	Mx	-.000466	1.5
127	MP4B	X	.418	1.5
128	MP4B	Z	-.241	1.5
129	MP4B	Mx	-.000466	1.5
130	MP4C	X	.821	1.5
131	MP4C	Z	-.474	1.5
132	MP4C	Mx	-8.3e-5	1.5
133	MP4C	X	.821	1.5
134	MP4C	Z	-.474	1.5
135	MP4C	Mx	-8.3e-5	1.5
136	MP2B	X	5.939	1
137	MP2B	Z	-3.429	1
138	MP2B	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	1.654	2
2	MP5B	Z	0	2
3	MP5B	Mx	-.000292	2
4	MP5C	X	1.956	2
5	MP5C	Z	0	2
6	MP5C	Mx	-.00028	2
7	MP2A	X	5.188	1
8	MP2A	Z	0	1
9	MP2A	Mx	-.004	1
10	MP2A	X	5.188	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.004	5.5
13	MP2B	X	7.742	1
14	MP2B	Z	0	1
15	MP2B	Mx	.005	1
16	MP2B	X	7.742	5.5
17	MP2B	Z	0	5.5
18	MP2B	Mx	.005	5.5
19	MP2C	X	8.615	1
20	MP2C	Z	0	1
21	MP2C	Mx	.004	1
22	MP2C	X	8.615	5.5
23	MP2C	Z	0	5.5
24	MP2C	Mx	.004	5.5
25	MP1A	X	1.374	1.5
26	MP1A	Z	0	1.5
27	MP1A	Mx	.001	1.5
28	MP1A	X	1.374	1.5
29	MP1A	Z	0	1.5
30	MP1A	Mx	.001	1.5
31	MP1B	X	1.711	1.5
32	MP1B	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP1B	Mx	-.001	1.5
34	MP1B	X	1.711	1.5
35	MP1B	Z	0	1.5
36	MP1B	Mx	-.001	1.5
37	MP1C	X	1.827	1.5
38	MP1C	Z	0	1.5
39	MP1C	Mx	-.001	1.5
40	MP1C	X	1.827	1.5
41	MP1C	Z	0	1.5
42	MP1C	Mx	-.001	1.5
43	MP1A	X	1.123	4
44	MP1A	Z	0	4
45	MP1A	Mx	.001	4
46	MP1A	X	1.123	4
47	MP1A	Z	0	4
48	MP1A	Mx	.001	4
49	MP1B	X	1.586	4
50	MP1B	Z	0	4
51	MP1B	Mx	-.001	4
52	MP1B	X	1.586	4
53	MP1B	Z	0	4
54	MP1B	Mx	-.001	4
55	MP1C	X	1.744	4
56	MP1C	Z	0	4
57	MP1C	Mx	-.001	4
58	MP1C	X	1.744	4
59	MP1C	Z	0	4
60	MP1C	Mx	-.001	4
61	MP2A	X	6.631	1
62	MP2A	Z	0	1
63	MP2A	Mx	-.003	1
64	MP3A	X	3.079	1
65	MP3A	Z	0	1
66	MP3A	Mx	-.003	1
67	MP3A	X	3.079	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	-.003	5.5
70	MP3B	X	5.128	1
71	MP3B	Z	0	1
72	MP3B	Mx	.006	1
73	MP3B	X	5.128	5.5
74	MP3B	Z	0	5.5
75	MP3B	Mx	.006	5.5
76	MP3C	X	5.829	1
77	MP3C	Z	0	1
78	MP3C	Mx	-.001	1
79	MP3C	X	5.829	5.5
80	MP3C	Z	0	5.5
81	MP3C	Mx	-.001	5.5
82	MP3A	X	7.06	1
83	MP3A	Z	0	1
84	MP3A	Mx	-.006	1
85	MP3A	X	7.06	5.5
86	MP3A	Z	0	5.5
87	MP3A	Mx	-.006	5.5
88	MP3B	X	8.849	1
89	MP3B	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP3B	Mx	0	1
91	MP3B	X	8.849	5.5
92	MP3B	Z	0	5.5
93	MP3B	Mx	0	5.5
94	MP3C	X	9.461	1
95	MP3C	Z	0	1
96	MP3C	Mx	.011	1
97	MP3C	X	9.461	5.5
98	MP3C	Z	0	5.5
99	MP3C	Mx	.011	5.5
100	MP4A	X	1.784	1.6
101	MP4A	Z	0	1.6
102	MP4A	Mx	-.001	1.6
103	MP4A	X	1.784	4.46
104	MP4A	Z	0	4.46
105	MP4A	Mx	-.001	4.46
106	MP4B	X	3.482	1.6
107	MP4B	Z	0	1.6
108	MP4B	Mx	.002	1.6
109	MP4B	X	3.482	4.46
110	MP4B	Z	0	4.46
111	MP4B	Mx	.002	4.46
112	MP4C	X	4.063	1.6
113	MP4C	Z	0	1.6
114	MP4C	Mx	.002	1.6
115	MP4C	X	4.063	4.46
116	MP4C	Z	0	4.46
117	MP4C	Mx	.002	4.46
118	MP4A	X	.449	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	.000449	1.5
121	MP4A	X	.449	1.5
122	MP4A	Z	0	1.5
123	MP4A	Mx	.000449	1.5
124	MP4B	X	.7	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	-.000495	1.5
127	MP4B	X	.7	1.5
128	MP4B	Z	0	1.5
129	MP4B	Mx	-.000495	1.5
130	MP4C	X	.786	1.5
131	MP4C	Z	0	1.5
132	MP4C	Mx	-.000451	1.5
133	MP4C	X	.786	1.5
134	MP4C	Z	0	1.5
135	MP4C	Mx	-.000451	1.5
136	MP2B	X	8.324	1
137	MP2B	Z	0	1
138	MP2B	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	2.095	2
2	MP5B	Z	1.21	2
3	MP5B	Mx	-.000156	2
4	MP5C	X	.94	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP5C	Z	.543	2
6	MP5C	Mx	-.000246	2
7	MP2A	X	5.599	1
8	MP2A	Z	3.233	1
9	MP2A	Mx	-.005	1
10	MP2A	X	5.599	5.5
11	MP2A	Z	3.233	5.5
12	MP2A	Mx	-.005	5.5
13	MP2B	X	8.62	1
14	MP2B	Z	4.977	1
15	MP2B	Mx	.002	1
16	MP2B	X	8.62	5.5
17	MP2B	Z	4.977	5.5
18	MP2B	Mx	.002	5.5
19	MP2C	X	5.283	1
20	MP2C	Z	3.05	1
21	MP2C	Mx	.005	1
22	MP2C	X	5.283	5.5
23	MP2C	Z	3.05	5.5
24	MP2C	Mx	.005	5.5
25	MP1A	X	1.336	1.5
26	MP1A	Z	.771	1.5
27	MP1A	Mx	.001	1.5
28	MP1A	X	1.336	1.5
29	MP1A	Z	.771	1.5
30	MP1A	Mx	.001	1.5
31	MP1B	X	1.735	1.5
32	MP1B	Z	1.002	1.5
33	MP1B	Mx	-.000518	1.5
34	MP1B	X	1.735	1.5
35	MP1B	Z	1.002	1.5
36	MP1B	Mx	-.000518	1.5
37	MP1C	X	1.295	1.5
38	MP1C	Z	.747	1.5
39	MP1C	Mx	-.001	1.5
40	MP1C	X	1.295	1.5
41	MP1C	Z	.747	1.5
42	MP1C	Mx	-.001	1.5
43	MP1A	X	1.173	4
44	MP1A	Z	.677	4
45	MP1A	Mx	.001	4
46	MP1A	X	1.173	4
47	MP1A	Z	.677	4
48	MP1A	Mx	.001	4
49	MP1B	X	1.72	4
50	MP1B	Z	.993	4
51	MP1B	Mx	-.000514	4
52	MP1B	X	1.72	4
53	MP1B	Z	.993	4
54	MP1B	Mx	-.000514	4
55	MP1C	X	1.116	4
56	MP1C	Z	.644	4
57	MP1C	Mx	-.001	4
58	MP1C	X	1.116	4
59	MP1C	Z	.644	4
60	MP1C	Mx	-.001	4
61	MP2A	X	6.476	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP2A	Z	3.739	1
63	MP2A	Mx	-.003	1
64	MP3A	X	3.554	1
65	MP3A	Z	2.052	1
66	MP3A	Mx	-.005	1
67	MP3A	X	3.554	5.5
68	MP3A	Z	2.052	5.5
69	MP3A	Mx	-.005	5.5
70	MP3B	X	5.977	1
71	MP3B	Z	3.451	1
72	MP3B	Mx	.007	1
73	MP3B	X	5.977	5.5
74	MP3B	Z	3.451	5.5
75	MP3B	Mx	.007	5.5
76	MP3C	X	3.301	1
77	MP3C	Z	1.906	1
78	MP3C	Mx	.002	1
79	MP3C	X	3.301	5.5
80	MP3C	Z	1.906	5.5
81	MP3C	Mx	.002	5.5
82	MP3A	X	6.889	1
83	MP3A	Z	3.977	1
84	MP3A	Mx	-.002	1
85	MP3A	X	6.889	5.5
86	MP3A	Z	3.977	5.5
87	MP3A	Mx	-.002	5.5
88	MP3B	X	9.006	1
89	MP3B	Z	5.2	1
90	MP3B	Mx	-.006	1
91	MP3B	X	9.006	5.5
92	MP3B	Z	5.2	5.5
93	MP3B	Mx	-.006	5.5
94	MP3C	X	6.667	1
95	MP3C	Z	3.849	1
96	MP3C	Mx	.009	1
97	MP3C	X	6.667	5.5
98	MP3C	Z	3.849	5.5
99	MP3C	Mx	.009	5.5
100	MP4A	X	2.281	1.6
101	MP4A	Z	1.317	1.6
102	MP4A	Mx	-.002	1.6
103	MP4A	X	2.281	4.46
104	MP4A	Z	1.317	4.46
105	MP4A	Mx	-.002	4.46
106	MP4B	X	4.29	1.6
107	MP4B	Z	2.477	1.6
108	MP4B	Mx	.001	1.6
109	MP4B	X	4.29	4.46
110	MP4B	Z	2.477	4.46
111	MP4B	Mx	.001	4.46
112	MP4C	X	2.071	1.6
113	MP4C	Z	1.195	1.6
114	MP4C	Mx	.002	1.6
115	MP4C	X	2.071	4.46
116	MP4C	Z	1.195	4.46
117	MP4C	Mx	.002	4.46
118	MP4A	X	.498	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP4A	Z	.287	1.5
120	MP4A	Mx	.000498	1.5
121	MP4A	X	.498	1.5
122	MP4A	Z	.287	1.5
123	MP4A	Mx	.000498	1.5
124	MP4B	X	.795	1.5
125	MP4B	Z	.459	1.5
126	MP4B	Mx	-.000238	1.5
127	MP4B	X	.795	1.5
128	MP4B	Z	.459	1.5
129	MP4B	Mx	-.000238	1.5
130	MP4C	X	.467	1.5
131	MP4C	Z	.27	1.5
132	MP4C	Mx	-.000489	1.5
133	MP4C	X	.467	1.5
134	MP4C	Z	.27	1.5
135	MP4C	Mx	-.000489	1.5
136	MP2B	X	8.479	1
137	MP2B	Z	4.895	1
138	MP2B	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	1.21	2
2	MP5B	Z	2.095	2
3	MP5B	Mx	.000156	2
4	MP5C	X	.392	2
5	MP5C	Z	.678	2
6	MP5C	Mx	-.000195	2
7	MP2A	X	4.509	1
8	MP2A	Z	7.81	1
9	MP2A	Mx	-.004	1
10	MP2A	X	4.509	5.5
11	MP2A	Z	7.81	5.5
12	MP2A	Mx	-.004	5.5
13	MP2B	X	4.977	1
14	MP2B	Z	8.62	1
15	MP2B	Mx	-.002	1
16	MP2B	X	4.977	5.5
17	MP2B	Z	8.62	5.5
18	MP2B	Mx	-.002	5.5
19	MP2C	X	2.614	1
20	MP2C	Z	4.527	1
21	MP2C	Mx	.004	1
22	MP2C	X	2.614	5.5
23	MP2C	Z	4.527	5.5
24	MP2C	Mx	.004	5.5
25	MP1A	X	.94	1.5
26	MP1A	Z	1.628	1.5
27	MP1A	Mx	.00094	1.5
28	MP1A	X	.94	1.5
29	MP1A	Z	1.628	1.5
30	MP1A	Mx	.00094	1.5
31	MP1B	X	1.002	1.5
32	MP1B	Z	1.735	1.5
33	MP1B	Mx	.000518	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1B	X	1.002	1.5
35	MP1B	Z	1.735	1.5
36	MP1B	Mx	.000518	1.5
37	MP1C	X	.69	1.5
38	MP1C	Z	1.195	1.5
39	MP1C	Mx	-.001	1.5
40	MP1C	X	.69	1.5
41	MP1C	Z	1.195	1.5
42	MP1C	Mx	-.001	1.5
43	MP1A	X	.909	4
44	MP1A	Z	1.574	4
45	MP1A	Mx	.000909	4
46	MP1A	X	.909	4
47	MP1A	Z	1.574	4
48	MP1A	Mx	.000909	4
49	MP1B	X	.993	4
50	MP1B	Z	1.72	4
51	MP1B	Mx	.000514	4
52	MP1B	X	.993	4
53	MP1B	Z	1.72	4
54	MP1B	Mx	.000514	4
55	MP1C	X	.565	4
56	MP1C	Z	.979	4
57	MP1C	Mx	-.001	4
58	MP1C	X	.565	4
59	MP1C	Z	.979	4
60	MP1C	Mx	-.001	4
61	MP2A	X	4.586	1
62	MP2A	Z	7.942	1
63	MP2A	Mx	-.002	1
64	MP3A	X	3.076	1
65	MP3A	Z	5.328	1
66	MP3A	Mx	-.007	1
67	MP3A	X	3.076	5.5
68	MP3A	Z	5.328	5.5
69	MP3A	Mx	-.007	5.5
70	MP3B	X	3.451	1
71	MP3B	Z	5.977	1
72	MP3B	Mx	.004	1
73	MP3B	X	3.451	5.5
74	MP3B	Z	5.977	5.5
75	MP3B	Mx	.004	5.5
76	MP3C	X	1.555	1
77	MP3C	Z	2.694	1
78	MP3C	Mx	.003	1
79	MP3C	X	1.555	5.5
80	MP3C	Z	2.694	5.5
81	MP3C	Mx	.003	5.5
82	MP3A	X	4.872	1
83	MP3A	Z	8.439	1
84	MP3A	Mx	.003	1
85	MP3A	X	4.872	5.5
86	MP3A	Z	8.439	5.5
87	MP3A	Mx	.003	5.5
88	MP3B	X	5.2	1
89	MP3B	Z	9.006	1
90	MP3B	Mx	-.011	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP3B	X	5.2	5.5
92	MP3B	Z	9.006	5.5
93	MP3B	Mx	-.011	5.5
94	MP3C	X	3.543	1
95	MP3C	Z	6.137	1
96	MP3C	Mx	.005	1
97	MP3C	X	3.543	5.5
98	MP3C	Z	6.137	5.5
99	MP3C	Mx	.005	5.5
100	MP4A	X	2.166	1.6
101	MP4A	Z	3.751	1.6
102	MP4A	Mx	-.002	1.6
103	MP4A	X	2.166	4.46
104	MP4A	Z	3.751	4.46
105	MP4A	Mx	-.002	4.46
106	MP4B	X	2.477	1.6
107	MP4B	Z	4.29	1.6
108	MP4B	Mx	-.001	1.6
109	MP4B	X	2.477	4.46
110	MP4B	Z	4.29	4.46
111	MP4B	Mx	-.001	4.46
112	MP4C	X	.905	1.6
113	MP4C	Z	1.567	1.6
114	MP4C	Mx	.002	1.6
115	MP4C	X	.905	4.46
116	MP4C	Z	1.567	4.46
117	MP4C	Mx	.002	4.46
118	MP4A	X	.413	1.5
119	MP4A	Z	.715	1.5
120	MP4A	Mx	.000413	1.5
121	MP4A	X	.413	1.5
122	MP4A	Z	.715	1.5
123	MP4A	Mx	.000413	1.5
124	MP4B	X	.459	1.5
125	MP4B	Z	.795	1.5
126	MP4B	Mx	.000238	1.5
127	MP4B	X	.459	1.5
128	MP4B	Z	.795	1.5
129	MP4B	Mx	.000238	1.5
130	MP4C	X	.227	1.5
131	MP4C	Z	.392	1.5
132	MP4C	Mx	-.000451	1.5
133	MP4C	X	.227	1.5
134	MP4C	Z	.392	1.5
135	MP4C	Mx	-.000451	1.5
136	MP2B	X	4.895	1
137	MP2B	Z	8.479	1
138	MP2B	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	0	2
2	MP5B	Z	1.654	2
3	MP5B	Mx	.000292	2
4	MP5C	X	0	2
5	MP5C	Z	1.351	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP5C	Mx	-.000277	2
7	MP2A	X	0	1
8	MP2A	Z	10.295	1
9	MP2A	Mx	0	1
10	MP2A	X	0	5.5
11	MP2A	Z	10.295	5.5
12	MP2A	Mx	0	5.5
13	MP2B	X	0	1
14	MP2B	Z	7.742	1
15	MP2B	Mx	-.005	1
16	MP2B	X	0	5.5
17	MP2B	Z	7.742	5.5
18	MP2B	Mx	-.005	5.5
19	MP2C	X	0	1
20	MP2C	Z	6.869	1
21	MP2C	Mx	.005	1
22	MP2C	X	0	5.5
23	MP2C	Z	6.869	5.5
24	MP2C	Mx	.005	5.5
25	MP1A	X	0	1.5
26	MP1A	Z	2.049	1.5
27	MP1A	Mx	0	1.5
28	MP1A	X	0	1.5
29	MP1A	Z	2.049	1.5
30	MP1A	Mx	0	1.5
31	MP1B	X	0	1.5
32	MP1B	Z	1.711	1.5
33	MP1B	Mx	.001	1.5
34	MP1B	X	0	1.5
35	MP1B	Z	1.711	1.5
36	MP1B	Mx	.001	1.5
37	MP1C	X	0	1.5
38	MP1C	Z	1.596	1.5
39	MP1C	Mx	-.001	1.5
40	MP1C	X	0	1.5
41	MP1C	Z	1.596	1.5
42	MP1C	Mx	-.001	1.5
43	MP1A	X	0	4
44	MP1A	Z	2.049	4
45	MP1A	Mx	0	4
46	MP1A	X	0	4
47	MP1A	Z	2.049	4
48	MP1A	Mx	0	4
49	MP1B	X	0	4
50	MP1B	Z	1.586	4
51	MP1B	Mx	.001	4
52	MP1B	X	0	4
53	MP1B	Z	1.586	4
54	MP1B	Mx	.001	4
55	MP1C	X	0	4
56	MP1C	Z	1.428	4
57	MP1C	Mx	-.001	4
58	MP1C	X	0	4
59	MP1C	Z	1.428	4
60	MP1C	Mx	-.001	4
61	MP2A	X	0	1
62	MP2A	Z	10.018	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2A	Mx	0	1
64	MP3A	X	0	1
65	MP3A	Z	7.176	1
66	MP3A	Mx	-.006	1
67	MP3A	X	0	5.5
68	MP3A	Z	7.176	5.5
69	MP3A	Mx	-.006	5.5
70	MP3B	X	0	1
71	MP3B	Z	5.128	1
72	MP3B	Mx	0	1
73	MP3B	X	0	5.5
74	MP3B	Z	5.128	5.5
75	MP3B	Mx	0	5.5
76	MP3C	X	0	1
77	MP3C	Z	4.427	1
78	MP3C	Mx	.005	1
79	MP3C	X	0	5.5
80	MP3C	Z	4.427	5.5
81	MP3C	Mx	.005	5.5
82	MP3A	X	0	1
83	MP3A	Z	10.639	1
84	MP3A	Mx	.009	1
85	MP3A	X	0	5.5
86	MP3A	Z	10.639	5.5
87	MP3A	Mx	.009	5.5
88	MP3B	X	0	1
89	MP3B	Z	8.849	1
90	MP3B	Mx	-.01	1
91	MP3B	X	0	5.5
92	MP3B	Z	8.849	5.5
93	MP3B	Mx	-.01	5.5
94	MP3C	X	0	1
95	MP3C	Z	8.237	1
96	MP3C	Mx	.002	1
97	MP3C	X	0	5.5
98	MP3C	Z	8.237	5.5
99	MP3C	Mx	.002	5.5
100	MP4A	X	0	1.6
101	MP4A	Z	5.181	1.6
102	MP4A	Mx	0	1.6
103	MP4A	X	0	4.46
104	MP4A	Z	5.181	4.46
105	MP4A	Mx	0	4.46
106	MP4B	X	0	1.6
107	MP4B	Z	3.482	1.6
108	MP4B	Mx	-.002	1.6
109	MP4B	X	0	4.46
110	MP4B	Z	3.482	4.46
111	MP4B	Mx	-.002	4.46
112	MP4C	X	0	1.6
113	MP4C	Z	2.902	1.6
114	MP4C	Mx	.002	1.6
115	MP4C	X	0	4.46
116	MP4C	Z	2.902	4.46
117	MP4C	Mx	.002	4.46
118	MP4A	X	0	1.5
119	MP4A	Z	.952	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4A	Mx	0	1.5
121	MP4A	X	0	1.5
122	MP4A	Z	.952	1.5
123	MP4A	Mx	0	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	.7	1.5
126	MP4B	Mx	.000495	1.5
127	MP4B	X	0	1.5
128	MP4B	Z	.7	1.5
129	MP4B	Mx	.000495	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	.615	1.5
132	MP4C	Mx	-.000504	1.5
133	MP4C	X	0	1.5
134	MP4C	Z	.615	1.5
135	MP4C	Mx	-.000504	1.5
136	MP2B	X	0	1
137	MP2B	Z	8.324	1
138	MP2B	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-.444	2
2	MP5B	Z	.769	2
3	MP5B	Mx	.000214	2
4	MP5C	X	-1.111	2
5	MP5C	Z	1.924	2
6	MP5C	Mx	-.000235	2
7	MP2A	X	-4.509	1
8	MP2A	Z	7.81	1
9	MP2A	Mx	.004	1
10	MP2A	X	-4.509	5.5
11	MP2A	Z	7.81	5.5
12	MP2A	Mx	.004	5.5
13	MP2B	X	-2.765	1
14	MP2B	Z	4.79	1
15	MP2B	Mx	-.004	1
16	MP2B	X	-2.765	5.5
17	MP2B	Z	4.79	5.5
18	MP2B	Mx	-.004	5.5
19	MP2C	X	-4.692	1
20	MP2C	Z	8.126	1
21	MP2C	Mx	.003	1
22	MP2C	X	-4.692	5.5
23	MP2C	Z	8.126	5.5
24	MP2C	Mx	.003	5.5
25	MP1A	X	-.94	1.5
26	MP1A	Z	1.628	1.5
27	MP1A	Mx	-.00094	1.5
28	MP1A	X	-.94	1.5
29	MP1A	Z	1.628	1.5
30	MP1A	Mx	-.00094	1.5
31	MP1B	X	-.71	1.5
32	MP1B	Z	1.229	1.5
33	MP1B	Mx	.001	1.5
34	MP1B	X	-.71	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP1B	Z	1.229	1.5
36	MP1B	Mx	.001	1.5
37	MP1C	X	-.964	1.5
38	MP1C	Z	1.67	1.5
39	MP1C	Mx	-.000815	1.5
40	MP1C	X	-.964	1.5
41	MP1C	Z	1.67	1.5
42	MP1C	Mx	-.000815	1.5
43	MP1A	X	-.909	4
44	MP1A	Z	1.574	4
45	MP1A	Mx	-.000909	4
46	MP1A	X	-.909	4
47	MP1A	Z	1.574	4
48	MP1A	Mx	-.000909	4
49	MP1B	X	-.593	4
50	MP1B	Z	1.027	4
51	MP1B	Mx	.001	4
52	MP1B	X	-.593	4
53	MP1B	Z	1.027	4
54	MP1B	Mx	.001	4
55	MP1C	X	-.942	4
56	MP1C	Z	1.631	4
57	MP1C	Mx	-.000796	4
58	MP1C	X	-.942	4
59	MP1C	Z	1.631	4
60	MP1C	Mx	-.000796	4
61	MP2A	X	-4.586	1
62	MP2A	Z	7.942	1
63	MP2A	Mx	.002	1
64	MP3A	X	-3.076	1
65	MP3A	Z	5.328	1
66	MP3A	Mx	-.002	1
67	MP3A	X	-3.076	5.5
68	MP3A	Z	5.328	5.5
69	MP3A	Mx	-.002	5.5
70	MP3B	X	-1.677	1
71	MP3B	Z	2.904	1
72	MP3B	Mx	-.002	1
73	MP3B	X	-1.677	5.5
74	MP3B	Z	2.904	5.5
75	MP3B	Mx	-.002	5.5
76	MP3C	X	-3.222	1
77	MP3C	Z	5.581	1
78	MP3C	Mx	.007	1
79	MP3C	X	-3.222	5.5
80	MP3C	Z	5.581	5.5
81	MP3C	Mx	.007	5.5
82	MP3A	X	-4.872	1
83	MP3A	Z	8.439	1
84	MP3A	Mx	.011	1
85	MP3A	X	-4.872	5.5
86	MP3A	Z	8.439	5.5
87	MP3A	Mx	.011	5.5
88	MP3B	X	-3.65	1
89	MP3B	Z	6.321	1
90	MP3B	Mx	-.007	1
91	MP3B	X	-3.65	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP3B	Z	6.321	5.5
93	MP3B	Mx	-.007	5.5
94	MP3C	X	-5	1
95	MP3C	Z	8.66	1
96	MP3C	Mx	-.004	1
97	MP3C	X	-5	5.5
98	MP3C	Z	8.66	5.5
99	MP3C	Mx	-.004	5.5
100	MP4A	X	-2.166	1.6
101	MP4A	Z	3.751	1.6
102	MP4A	Mx	.002	1.6
103	MP4A	X	-2.166	4.46
104	MP4A	Z	3.751	4.46
105	MP4A	Mx	.002	4.46
106	MP4B	X	-1.006	1.6
107	MP4B	Z	1.742	1.6
108	MP4B	Mx	-.002	1.6
109	MP4B	X	-1.006	4.46
110	MP4B	Z	1.742	4.46
111	MP4B	Mx	-.002	4.46
112	MP4C	X	-2.287	1.6
113	MP4C	Z	3.961	1.6
114	MP4C	Mx	.002	1.6
115	MP4C	X	-2.287	4.46
116	MP4C	Z	3.961	4.46
117	MP4C	Mx	.002	4.46
118	MP4A	X	-.413	1.5
119	MP4A	Z	.715	1.5
120	MP4A	Mx	-.000413	1.5
121	MP4A	X	-.413	1.5
122	MP4A	Z	.715	1.5
123	MP4A	Mx	-.000413	1.5
124	MP4B	X	-.241	1.5
125	MP4B	Z	.418	1.5
126	MP4B	Mx	.000466	1.5
127	MP4B	X	-.241	1.5
128	MP4B	Z	.418	1.5
129	MP4B	Mx	.000466	1.5
130	MP4C	X	-.431	1.5
131	MP4C	Z	.746	1.5
132	MP4C	Mx	-.000364	1.5
133	MP4C	X	-.431	1.5
134	MP4C	Z	.746	1.5
135	MP4C	Mx	-.000364	1.5
136	MP2B	X	-3.429	1
137	MP2B	Z	5.939	1
138	MP2B	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-.769	2
2	MP5B	Z	.444	2
3	MP5B	Mx	.000214	2
4	MP5C	X	-2.186	2
5	MP5C	Z	1.262	2
6	MP5C	Mx	5.5e-5	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2A	X	-5.599	1
8	MP2A	Z	3.233	1
9	MP2A	Mx	.005	1
10	MP2A	X	-5.599	5.5
11	MP2A	Z	3.233	5.5
12	MP2A	Mx	.005	5.5
13	MP2B	X	-4.79	1
14	MP2B	Z	2.765	1
15	MP2B	Mx	-.004	1
16	MP2B	X	-4.79	5.5
17	MP2B	Z	2.765	5.5
18	MP2B	Mx	-.004	5.5
19	MP2C	X	-8.882	1
20	MP2C	Z	5.128	1
21	MP2C	Mx	-.000745	1
22	MP2C	X	-8.882	5.5
23	MP2C	Z	5.128	5.5
24	MP2C	Mx	-.000745	5.5
25	MP1A	X	-1.336	1.5
26	MP1A	Z	.771	1.5
27	MP1A	Mx	-.001	1.5
28	MP1A	X	-1.336	1.5
29	MP1A	Z	.771	1.5
30	MP1A	Mx	-.001	1.5
31	MP1B	X	-1.229	1.5
32	MP1B	Z	.71	1.5
33	MP1B	Mx	.001	1.5
34	MP1B	X	-1.229	1.5
35	MP1B	Z	.71	1.5
36	MP1B	Mx	.001	1.5
37	MP1C	X	-1.77	1.5
38	MP1C	Z	1.022	1.5
39	MP1C	Mx	.000178	1.5
40	MP1C	X	-1.77	1.5
41	MP1C	Z	1.022	1.5
42	MP1C	Mx	.000178	1.5
43	MP1A	X	-1.173	4
44	MP1A	Z	.677	4
45	MP1A	Mx	-.001	4
46	MP1A	X	-1.173	4
47	MP1A	Z	.677	4
48	MP1A	Mx	-.001	4
49	MP1B	X	-1.027	4
50	MP1B	Z	.593	4
51	MP1B	Mx	.001	4
52	MP1B	X	-1.027	4
53	MP1B	Z	.593	4
54	MP1B	Mx	.001	4
55	MP1C	X	-1.768	4
56	MP1C	Z	1.021	4
57	MP1C	Mx	.000178	4
58	MP1C	X	-1.768	4
59	MP1C	Z	1.021	4
60	MP1C	Mx	.000178	4
61	MP2A	X	-6.476	1
62	MP2A	Z	3.739	1
63	MP2A	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3A	X	-3.554	1
65	MP3A	Z	2.052	1
66	MP3A	Mx	.001	1
67	MP3A	X	-3.554	5.5
68	MP3A	Z	2.052	5.5
69	MP3A	Mx	.001	5.5
70	MP3B	X	-2.904	1
71	MP3B	Z	1.677	1
72	MP3B	Mx	-.003	1
73	MP3B	X	-2.904	5.5
74	MP3B	Z	1.677	5.5
75	MP3B	Mx	-.003	5.5
76	MP3C	X	-6.188	1
77	MP3C	Z	3.573	1
78	MP3C	Mx	.005	1
79	MP3C	X	-6.188	5.5
80	MP3C	Z	3.573	5.5
81	MP3C	Mx	.005	5.5
82	MP3A	X	-6.889	1
83	MP3A	Z	3.977	1
84	MP3A	Mx	.009	1
85	MP3A	X	-6.889	5.5
86	MP3A	Z	3.977	5.5
87	MP3A	Mx	.009	5.5
88	MP3B	X	-6.321	1
89	MP3B	Z	3.65	1
90	MP3B	Mx	-.004	1
91	MP3B	X	-6.321	5.5
92	MP3B	Z	3.65	5.5
93	MP3B	Mx	-.004	5.5
94	MP3C	X	-9.19	1
95	MP3C	Z	5.306	1
96	MP3C	Mx	-.01	1
97	MP3C	X	-9.19	5.5
98	MP3C	Z	5.306	5.5
99	MP3C	Mx	-.01	5.5
100	MP4A	X	-2.281	1.6
101	MP4A	Z	1.317	1.6
102	MP4A	Mx	.002	1.6
103	MP4A	X	-2.281	4.46
104	MP4A	Z	1.317	4.46
105	MP4A	Mx	.002	4.46
106	MP4B	X	-1.742	1.6
107	MP4B	Z	1.006	1.6
108	MP4B	Mx	-.002	1.6
109	MP4B	X	-1.742	4.46
110	MP4B	Z	1.006	4.46
111	MP4B	Mx	-.002	4.46
112	MP4C	X	-4.464	1.6
113	MP4C	Z	2.577	1.6
114	MP4C	Mx	-.000375	1.6
115	MP4C	X	-4.464	4.46
116	MP4C	Z	2.577	4.46
117	MP4C	Mx	-.000375	4.46
118	MP4A	X	-.498	1.5
119	MP4A	Z	.287	1.5
120	MP4A	Mx	-.000498	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
121	MP4A	X	-.498	1.5
122	MP4A	Z	.287	1.5
123	MP4A	Mx	-.000498	1.5
124	MP4B	X	-.418	1.5
125	MP4B	Z	.241	1.5
126	MP4B	Mx	.000466	1.5
127	MP4B	X	-.418	1.5
128	MP4B	Z	.241	1.5
129	MP4B	Mx	.000466	1.5
130	MP4C	X	-.821	1.5
131	MP4C	Z	.474	1.5
132	MP4C	Mx	8.3e-5	1.5
133	MP4C	X	-.821	1.5
134	MP4C	Z	.474	1.5
135	MP4C	Mx	8.3e-5	1.5
136	MP2B	X	-5.939	1
137	MP2B	Z	3.429	1
138	MP2B	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-1.654	2
2	MP5B	Z	0	2
3	MP5B	Mx	.000292	2
4	MP5C	X	-1.956	2
5	MP5C	Z	0	2
6	MP5C	Mx	.00028	2
7	MP2A	X	-5.188	1
8	MP2A	Z	0	1
9	MP2A	Mx	.004	1
10	MP2A	X	-5.188	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.004	5.5
13	MP2B	X	-7.742	1
14	MP2B	Z	0	1
15	MP2B	Mx	-.005	1
16	MP2B	X	-7.742	5.5
17	MP2B	Z	0	5.5
18	MP2B	Mx	-.005	5.5
19	MP2C	X	-8.615	1
20	MP2C	Z	0	1
21	MP2C	Mx	-.004	1
22	MP2C	X	-8.615	5.5
23	MP2C	Z	0	5.5
24	MP2C	Mx	-.004	5.5
25	MP1A	X	-1.374	1.5
26	MP1A	Z	0	1.5
27	MP1A	Mx	-.001	1.5
28	MP1A	X	-1.374	1.5
29	MP1A	Z	0	1.5
30	MP1A	Mx	-.001	1.5
31	MP1B	X	-1.711	1.5
32	MP1B	Z	0	1.5
33	MP1B	Mx	.001	1.5
34	MP1B	X	-1.711	1.5
35	MP1B	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1B	Mx	.001	1.5
37	MP1C	X	-1.827	1.5
38	MP1C	Z	0	1.5
39	MP1C	Mx	.001	1.5
40	MP1C	X	-1.827	1.5
41	MP1C	Z	0	1.5
42	MP1C	Mx	.001	1.5
43	MP1A	X	-1.123	4
44	MP1A	Z	0	4
45	MP1A	Mx	-.001	4
46	MP1A	X	-1.123	4
47	MP1A	Z	0	4
48	MP1A	Mx	-.001	4
49	MP1B	X	-1.586	4
50	MP1B	Z	0	4
51	MP1B	Mx	.001	4
52	MP1B	X	-1.586	4
53	MP1B	Z	0	4
54	MP1B	Mx	.001	4
55	MP1C	X	-1.744	4
56	MP1C	Z	0	4
57	MP1C	Mx	.001	4
58	MP1C	X	-1.744	4
59	MP1C	Z	0	4
60	MP1C	Mx	.001	4
61	MP2A	X	-6.631	1
62	MP2A	Z	0	1
63	MP2A	Mx	.003	1
64	MP3A	X	-3.079	1
65	MP3A	Z	0	1
66	MP3A	Mx	.003	1
67	MP3A	X	-3.079	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	.003	5.5
70	MP3B	X	-5.128	1
71	MP3B	Z	0	1
72	MP3B	Mx	-.006	1
73	MP3B	X	-5.128	5.5
74	MP3B	Z	0	5.5
75	MP3B	Mx	-.006	5.5
76	MP3C	X	-5.829	1
77	MP3C	Z	0	1
78	MP3C	Mx	.001	1
79	MP3C	X	-5.829	5.5
80	MP3C	Z	0	5.5
81	MP3C	Mx	.001	5.5
82	MP3A	X	-7.06	1
83	MP3A	Z	0	1
84	MP3A	Mx	.006	1
85	MP3A	X	-7.06	5.5
86	MP3A	Z	0	5.5
87	MP3A	Mx	.006	5.5
88	MP3B	X	-8.849	1
89	MP3B	Z	0	1
90	MP3B	Mx	0	1
91	MP3B	X	-8.849	5.5
92	MP3B	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP3B	Mx	0	5.5
94	MP3C	X	-9.461	1
95	MP3C	Z	0	1
96	MP3C	Mx	-.011	1
97	MP3C	X	-9.461	5.5
98	MP3C	Z	0	5.5
99	MP3C	Mx	-.011	5.5
100	MP4A	X	-1.784	1.6
101	MP4A	Z	0	1.6
102	MP4A	Mx	.001	1.6
103	MP4A	X	-1.784	4.46
104	MP4A	Z	0	4.46
105	MP4A	Mx	.001	4.46
106	MP4B	X	-3.482	1.6
107	MP4B	Z	0	1.6
108	MP4B	Mx	-.002	1.6
109	MP4B	X	-3.482	4.46
110	MP4B	Z	0	4.46
111	MP4B	Mx	-.002	4.46
112	MP4C	X	-4.063	1.6
113	MP4C	Z	0	1.6
114	MP4C	Mx	-.002	1.6
115	MP4C	X	-4.063	4.46
116	MP4C	Z	0	4.46
117	MP4C	Mx	-.002	4.46
118	MP4A	X	-.449	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	-.000449	1.5
121	MP4A	X	-.449	1.5
122	MP4A	Z	0	1.5
123	MP4A	Mx	-.000449	1.5
124	MP4B	X	-.7	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	.000495	1.5
127	MP4B	X	-.7	1.5
128	MP4B	Z	0	1.5
129	MP4B	Mx	.000495	1.5
130	MP4C	X	-.786	1.5
131	MP4C	Z	0	1.5
132	MP4C	Mx	.000451	1.5
133	MP4C	X	-.786	1.5
134	MP4C	Z	0	1.5
135	MP4C	Mx	.000451	1.5
136	MP2B	X	-8.324	1
137	MP2B	Z	0	1
138	MP2B	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-2.095	2
2	MP5B	Z	-1.21	2
3	MP5B	Mx	.000156	2
4	MP5C	X	-.94	2
5	MP5C	Z	-.543	2
6	MP5C	Mx	.000246	2
7	MP2A	X	-5.599	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2A	Z	-3.233	1
9	MP2A	Mx	.005	1
10	MP2A	X	-5.599	5.5
11	MP2A	Z	-3.233	5.5
12	MP2A	Mx	.005	5.5
13	MP2B	X	-8.62	1
14	MP2B	Z	-4.977	1
15	MP2B	Mx	-.002	1
16	MP2B	X	-8.62	5.5
17	MP2B	Z	-4.977	5.5
18	MP2B	Mx	-.002	5.5
19	MP2C	X	-5.283	1
20	MP2C	Z	-3.05	1
21	MP2C	Mx	-.005	1
22	MP2C	X	-5.283	5.5
23	MP2C	Z	-3.05	5.5
24	MP2C	Mx	-.005	5.5
25	MP1A	X	-1.336	1.5
26	MP1A	Z	-.771	1.5
27	MP1A	Mx	-.001	1.5
28	MP1A	X	-1.336	1.5
29	MP1A	Z	-.771	1.5
30	MP1A	Mx	-.001	1.5
31	MP1B	X	-1.735	1.5
32	MP1B	Z	-1.002	1.5
33	MP1B	Mx	.000518	1.5
34	MP1B	X	-1.735	1.5
35	MP1B	Z	-1.002	1.5
36	MP1B	Mx	.000518	1.5
37	MP1C	X	-1.295	1.5
38	MP1C	Z	-.747	1.5
39	MP1C	Mx	.001	1.5
40	MP1C	X	-1.295	1.5
41	MP1C	Z	-.747	1.5
42	MP1C	Mx	.001	1.5
43	MP1A	X	-1.173	4
44	MP1A	Z	-.677	4
45	MP1A	Mx	-.001	4
46	MP1A	X	-1.173	4
47	MP1A	Z	-.677	4
48	MP1A	Mx	-.001	4
49	MP1B	X	-1.72	4
50	MP1B	Z	-.993	4
51	MP1B	Mx	.000514	4
52	MP1B	X	-1.72	4
53	MP1B	Z	-.993	4
54	MP1B	Mx	.000514	4
55	MP1C	X	-1.116	4
56	MP1C	Z	-.644	4
57	MP1C	Mx	.001	4
58	MP1C	X	-1.116	4
59	MP1C	Z	-.644	4
60	MP1C	Mx	.001	4
61	MP2A	X	-6.476	1
62	MP2A	Z	-3.739	1
63	MP2A	Mx	.003	1
64	MP3A	X	-3.554	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3A	Z	-2.052	1
66	MP3A	Mx	.005	1
67	MP3A	X	-3.554	5.5
68	MP3A	Z	-2.052	5.5
69	MP3A	Mx	.005	5.5
70	MP3B	X	-5.977	1
71	MP3B	Z	-3.451	1
72	MP3B	Mx	-.007	1
73	MP3B	X	-5.977	5.5
74	MP3B	Z	-3.451	5.5
75	MP3B	Mx	-.007	5.5
76	MP3C	X	-3.301	1
77	MP3C	Z	-1.906	1
78	MP3C	Mx	-.002	1
79	MP3C	X	-3.301	5.5
80	MP3C	Z	-1.906	5.5
81	MP3C	Mx	-.002	5.5
82	MP3A	X	-6.889	1
83	MP3A	Z	-3.977	1
84	MP3A	Mx	.002	1
85	MP3A	X	-6.889	5.5
86	MP3A	Z	-3.977	5.5
87	MP3A	Mx	.002	5.5
88	MP3B	X	-9.006	1
89	MP3B	Z	-5.2	1
90	MP3B	Mx	.006	1
91	MP3B	X	-9.006	5.5
92	MP3B	Z	-5.2	5.5
93	MP3B	Mx	.006	5.5
94	MP3C	X	-6.667	1
95	MP3C	Z	-3.849	1
96	MP3C	Mx	-.009	1
97	MP3C	X	-6.667	5.5
98	MP3C	Z	-3.849	5.5
99	MP3C	Mx	-.009	5.5
100	MP4A	X	-2.281	1.6
101	MP4A	Z	-1.317	1.6
102	MP4A	Mx	.002	1.6
103	MP4A	X	-2.281	4.46
104	MP4A	Z	-1.317	4.46
105	MP4A	Mx	.002	4.46
106	MP4B	X	-4.29	1.6
107	MP4B	Z	-2.477	1.6
108	MP4B	Mx	-.001	1.6
109	MP4B	X	-4.29	4.46
110	MP4B	Z	-2.477	4.46
111	MP4B	Mx	-.001	4.46
112	MP4C	X	-2.071	1.6
113	MP4C	Z	-1.195	1.6
114	MP4C	Mx	-.002	1.6
115	MP4C	X	-2.071	4.46
116	MP4C	Z	-1.195	4.46
117	MP4C	Mx	-.002	4.46
118	MP4A	X	-.498	1.5
119	MP4A	Z	-.287	1.5
120	MP4A	Mx	-.000498	1.5
121	MP4A	X	-.498	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
122	MP4A	Z	-.287	1.5
123	MP4A	Mx	-.000498	1.5
124	MP4B	X	-.795	1.5
125	MP4B	Z	-.459	1.5
126	MP4B	Mx	.000238	1.5
127	MP4B	X	-.795	1.5
128	MP4B	Z	-.459	1.5
129	MP4B	Mx	.000238	1.5
130	MP4C	X	-.467	1.5
131	MP4C	Z	-.27	1.5
132	MP4C	Mx	.000489	1.5
133	MP4C	X	-.467	1.5
134	MP4C	Z	-.27	1.5
135	MP4C	Mx	.000489	1.5
136	MP2B	X	-8.479	1
137	MP2B	Z	-4.895	1
138	MP2B	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-1.21	2
2	MP5B	Z	-2.095	2
3	MP5B	Mx	-.000156	2
4	MP5C	X	-.392	2
5	MP5C	Z	-.678	2
6	MP5C	Mx	.000195	2
7	MP2A	X	-4.509	1
8	MP2A	Z	-7.81	1
9	MP2A	Mx	.004	1
10	MP2A	X	-4.509	5.5
11	MP2A	Z	-7.81	5.5
12	MP2A	Mx	.004	5.5
13	MP2B	X	-4.977	1
14	MP2B	Z	-8.62	1
15	MP2B	Mx	.002	1
16	MP2B	X	-4.977	5.5
17	MP2B	Z	-8.62	5.5
18	MP2B	Mx	.002	5.5
19	MP2C	X	-2.614	1
20	MP2C	Z	-4.527	1
21	MP2C	Mx	-.004	1
22	MP2C	X	-2.614	5.5
23	MP2C	Z	-4.527	5.5
24	MP2C	Mx	-.004	5.5
25	MP1A	X	-.94	1.5
26	MP1A	Z	-1.628	1.5
27	MP1A	Mx	-.00094	1.5
28	MP1A	X	-.94	1.5
29	MP1A	Z	-1.628	1.5
30	MP1A	Mx	-.00094	1.5
31	MP1B	X	-1.002	1.5
32	MP1B	Z	-1.735	1.5
33	MP1B	Mx	-.000518	1.5
34	MP1B	X	-1.002	1.5
35	MP1B	Z	-1.735	1.5
36	MP1B	Mx	-.000518	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP1C	X	-.69	1.5
38	MP1C	Z	-1.195	1.5
39	MP1C	Mx	.001	1.5
40	MP1C	X	-.69	1.5
41	MP1C	Z	-1.195	1.5
42	MP1C	Mx	.001	1.5
43	MP1A	X	-.909	4
44	MP1A	Z	-1.574	4
45	MP1A	Mx	-.000909	4
46	MP1A	X	-.909	4
47	MP1A	Z	-1.574	4
48	MP1A	Mx	-.000909	4
49	MP1B	X	-.993	4
50	MP1B	Z	-1.72	4
51	MP1B	Mx	-.000514	4
52	MP1B	X	-.993	4
53	MP1B	Z	-1.72	4
54	MP1B	Mx	-.000514	4
55	MP1C	X	-.565	4
56	MP1C	Z	-.979	4
57	MP1C	Mx	.001	4
58	MP1C	X	-.565	4
59	MP1C	Z	-.979	4
60	MP1C	Mx	.001	4
61	MP2A	X	-4.586	1
62	MP2A	Z	-7.942	1
63	MP2A	Mx	.002	1
64	MP3A	X	-3.076	1
65	MP3A	Z	-5.328	1
66	MP3A	Mx	.007	1
67	MP3A	X	-3.076	5.5
68	MP3A	Z	-5.328	5.5
69	MP3A	Mx	.007	5.5
70	MP3B	X	-3.451	1
71	MP3B	Z	-5.977	1
72	MP3B	Mx	-.004	1
73	MP3B	X	-3.451	5.5
74	MP3B	Z	-5.977	5.5
75	MP3B	Mx	-.004	5.5
76	MP3C	X	-1.555	1
77	MP3C	Z	-2.694	1
78	MP3C	Mx	-.003	1
79	MP3C	X	-1.555	5.5
80	MP3C	Z	-2.694	5.5
81	MP3C	Mx	-.003	5.5
82	MP3A	X	-4.872	1
83	MP3A	Z	-8.439	1
84	MP3A	Mx	-.003	1
85	MP3A	X	-4.872	5.5
86	MP3A	Z	-8.439	5.5
87	MP3A	Mx	-.003	5.5
88	MP3B	X	-5.2	1
89	MP3B	Z	-9.006	1
90	MP3B	Mx	.011	1
91	MP3B	X	-5.2	5.5
92	MP3B	Z	-9.006	5.5
93	MP3B	Mx	.011	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP3C	X	-3.543	1
95	MP3C	Z	-6.137	1
96	MP3C	Mx	-.005	1
97	MP3C	X	-3.543	5.5
98	MP3C	Z	-6.137	5.5
99	MP3C	Mx	-.005	5.5
100	MP4A	X	-2.166	1.6
101	MP4A	Z	-3.751	1.6
102	MP4A	Mx	.002	1.6
103	MP4A	X	-2.166	4.46
104	MP4A	Z	-3.751	4.46
105	MP4A	Mx	.002	4.46
106	MP4B	X	-2.477	1.6
107	MP4B	Z	-4.29	1.6
108	MP4B	Mx	.001	1.6
109	MP4B	X	-2.477	4.46
110	MP4B	Z	-4.29	4.46
111	MP4B	Mx	.001	4.46
112	MP4C	X	-.905	1.6
113	MP4C	Z	-1.567	1.6
114	MP4C	Mx	-.002	1.6
115	MP4C	X	-.905	4.46
116	MP4C	Z	-1.567	4.46
117	MP4C	Mx	-.002	4.46
118	MP4A	X	-.413	1.5
119	MP4A	Z	-.715	1.5
120	MP4A	Mx	-.000413	1.5
121	MP4A	X	-.413	1.5
122	MP4A	Z	-.715	1.5
123	MP4A	Mx	-.000413	1.5
124	MP4B	X	-.459	1.5
125	MP4B	Z	-.795	1.5
126	MP4B	Mx	-.000238	1.5
127	MP4B	X	-.459	1.5
128	MP4B	Z	-.795	1.5
129	MP4B	Mx	-.000238	1.5
130	MP4C	X	-.227	1.5
131	MP4C	Z	-.392	1.5
132	MP4C	Mx	.000451	1.5
133	MP4C	X	-.227	1.5
134	MP4C	Z	-.392	1.5
135	MP4C	Mx	.000451	1.5
136	MP2B	X	-4.895	1
137	MP2B	Z	-8.479	1
138	MP2B	Mx	.001	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7	Y	-500	%15

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7	Y	-500	%38

Member Point Loads (BLC 79 : Lv1)

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	Y	0	2
2	MP5B	My	0	2
3	MP5B	Mz	0	2
4	MP5C	Y	0	2
5	MP5C	My	0	2
6	MP5C	Mz	0	2
7	MP2A	Y	0	1
8	MP2A	My	0	1
9	MP2A	Mz	0	1
10	MP2A	Y	0	5.5
11	MP2A	My	0	5.5
12	MP2A	Mz	0	5.5
13	MP2B	Y	0	1
14	MP2B	My	0	1
15	MP2B	Mz	0	1
16	MP2B	Y	0	5.5
17	MP2B	My	0	5.5
18	MP2B	Mz	0	5.5
19	MP2C	Y	0	1
20	MP2C	My	0	1
21	MP2C	Mz	0	1
22	MP2C	Y	0	5.5
23	MP2C	My	0	5.5
24	MP2C	Mz	0	5.5
25	MP1A	Y	0	1.5
26	MP1A	My	0	1.5
27	MP1A	Mz	0	1.5
28	MP1A	Y	0	1.5
29	MP1A	My	0	1.5
30	MP1A	Mz	0	1.5
31	MP1B	Y	0	1.5
32	MP1B	My	0	1.5
33	MP1B	Mz	0	1.5
34	MP1B	Y	0	1.5
35	MP1B	My	0	1.5
36	MP1B	Mz	0	1.5
37	MP1C	Y	0	1.5
38	MP1C	My	0	1.5
39	MP1C	Mz	0	1.5
40	MP1C	Y	0	1.5
41	MP1C	My	0	1.5
42	MP1C	Mz	0	1.5
43	MP1A	Y	0	4
44	MP1A	My	0	4
45	MP1A	Mz	0	4
46	MP1A	Y	0	4
47	MP1A	My	0	4
48	MP1A	Mz	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP1B	Y	0	4
50	MP1B	My	0	4
51	MP1B	Mz	0	4
52	MP1B	Y	0	4
53	MP1B	My	0	4
54	MP1B	Mz	0	4
55	MP1C	Y	0	4
56	MP1C	My	0	4
57	MP1C	Mz	0	4
58	MP1C	Y	0	4
59	MP1C	My	0	4
60	MP1C	Mz	0	4
61	MP2A	Y	0	1
62	MP2A	My	0	1
63	MP2A	Mz	0	1
64	MP3A	Y	0	1
65	MP3A	My	0	1
66	MP3A	Mz	0	1
67	MP3A	Y	0	5.5
68	MP3A	My	0	5.5
69	MP3A	Mz	0	5.5
70	MP3B	Y	0	1
71	MP3B	My	0	1
72	MP3B	Mz	0	1
73	MP3B	Y	0	5.5
74	MP3B	My	0	5.5
75	MP3B	Mz	0	5.5
76	MP3C	Y	0	1
77	MP3C	My	0	1
78	MP3C	Mz	0	1
79	MP3C	Y	0	5.5
80	MP3C	My	0	5.5
81	MP3C	Mz	0	5.5
82	MP3A	Y	0	1
83	MP3A	My	0	1
84	MP3A	Mz	0	1
85	MP3A	Y	0	5.5
86	MP3A	My	0	5.5
87	MP3A	Mz	0	5.5
88	MP3B	Y	0	1
89	MP3B	My	0	1
90	MP3B	Mz	0	1
91	MP3B	Y	0	5.5
92	MP3B	My	0	5.5
93	MP3B	Mz	0	5.5
94	MP3C	Y	0	1
95	MP3C	My	0	1
96	MP3C	Mz	0	1
97	MP3C	Y	0	5.5
98	MP3C	My	0	5.5
99	MP3C	Mz	0	5.5
100	MP4A	Y	0	1.6
101	MP4A	My	0	1.6
102	MP4A	Mz	0	1.6
103	MP4A	Y	0	4.46
104	MP4A	My	0	4.46
105	MP4A	Mz	0	4.46

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP4B	Y	0	1.6
107	MP4B	My	0	1.6
108	MP4B	Mz	0	1.6
109	MP4B	Y	0	4.46
110	MP4B	My	0	4.46
111	MP4B	Mz	0	4.46
112	MP4C	Y	0	1.6
113	MP4C	My	0	1.6
114	MP4C	Mz	0	1.6
115	MP4C	Y	0	4.46
116	MP4C	My	0	4.46
117	MP4C	Mz	0	4.46
118	MP4A	Y	0	1.5
119	MP4A	My	0	1.5
120	MP4A	Mz	0	1.5
121	MP4A	Y	0	1.5
122	MP4A	My	0	1.5
123	MP4A	Mz	0	1.5
124	MP4B	Y	0	1.5
125	MP4B	My	0	1.5
126	MP4B	Mz	0	1.5
127	MP4B	Y	0	1.5
128	MP4B	My	0	1.5
129	MP4B	Mz	0	1.5
130	MP4C	Y	0	1.5
131	MP4C	My	0	1.5
132	MP4C	Mz	0	1.5
133	MP4C	Y	0	1.5
134	MP4C	My	0	1.5
135	MP4C	Mz	0	1.5
136	MP2B	Y	0	1
137	MP2B	My	0	1
138	MP2B	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	Z	-.528	2
2	MP5B	Mx	-9.3e-5	2
3	MP5C	Z	-.528	2
4	MP5C	Mx	.000108	2
5	MP2A	Z	-.33	1
6	MP2A	Mx	0	1
7	MP2A	Z	-.33	5.5
8	MP2A	Mx	0	5.5
9	MP2B	Z	-.33	1
10	MP2B	Mx	.000194	1
11	MP2B	Z	-.33	5.5
12	MP2B	Mx	.000194	5.5
13	MP2C	Z	-.33	1
14	MP2C	Mx	-.000225	1
15	MP2C	Z	-.33	5.5
16	MP2C	Mx	-.000225	5.5
17	MP1A	Z	-1.266	1.5
18	MP1A	Mx	0	1.5
19	MP1A	Z	-1.266	1.5
20	MP1A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1B	Z	-1.266	1.5
22	MP1B	Mx	-.000895	1.5
23	MP1B	Z	-1.266	1.5
24	MP1B	Mx	-.000895	1.5
25	MP1C	Z	-1.266	1.5
26	MP1C	Mx	.001	1.5
27	MP1C	Z	-1.266	1.5
28	MP1C	Mx	.001	1.5
29	MP1A	Z	-1.054	4
30	MP1A	Mx	0	4
31	MP1A	Z	-1.054	4
32	MP1A	Mx	0	4
33	MP1B	Z	-1.054	4
34	MP1B	Mx	-.000746	4
35	MP1B	Z	-1.054	4
36	MP1B	Mx	-.000746	4
37	MP1C	Z	-1.054	4
38	MP1C	Mx	.000864	4
39	MP1C	Z	-1.054	4
40	MP1C	Mx	.000864	4
41	MP2A	Z	-.96	1
42	MP2A	Mx	0	1
43	MP3A	Z	-.655	1
44	MP3A	Mx	.000546	1
45	MP3A	Z	-.655	5.5
46	MP3A	Mx	.000546	5.5
47	MP3B	Z	-.655	1
48	MP3B	Mx	0	1
49	MP3B	Z	-.655	5.5
50	MP3B	Mx	0	5.5
51	MP3C	Z	-.655	1
52	MP3C	Mx	-.000761	1
53	MP3C	Z	-.655	5.5
54	MP3C	Mx	-.000761	5.5
55	MP3A	Z	-.969	1
56	MP3A	Mx	-.000808	1
57	MP3A	Z	-.969	5.5
58	MP3A	Mx	-.000808	5.5
59	MP3B	Z	-.969	1
60	MP3B	Mx	.001	1
61	MP3B	Z	-.969	5.5
62	MP3B	Mx	.001	5.5
63	MP3C	Z	-.969	1
64	MP3C	Mx	-.000198	1
65	MP3C	Z	-.969	5.5
66	MP3C	Mx	-.000198	5.5
67	MP4A	Z	-1.306	1.6
68	MP4A	Mx	0	1.6
69	MP4A	Z	-1.306	4.46
70	MP4A	Mx	0	4.46
71	MP4B	Z	-1.306	1.6
72	MP4B	Mx	.00077	1.6
73	MP4B	Z	-1.306	4.46
74	MP4B	Mx	.00077	4.46
75	MP4C	Z	-1.306	1.6
76	MP4C	Mx	-.000892	1.6
77	MP4C	Z	-1.306	4.46

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP4C	Mx	-.000892	4.46
79	MP4A	Z	-.281	1.5
80	MP4A	Mx	0	1.5
81	MP4A	Z	-.281	1.5
82	MP4A	Mx	0	1.5
83	MP4B	Z	-.281	1.5
84	MP4B	Mx	-.000198	1.5
85	MP4B	Z	-.281	1.5
86	MP4B	Mx	-.000198	1.5
87	MP4C	Z	-.281	1.5
88	MP4C	Mx	.00023	1.5
89	MP4C	Z	-.281	1.5
90	MP4C	Mx	.00023	1.5
91	MP2B	Z	-.96	1
92	MP2B	Mx	.000339	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	.528	2
2	MP5B	Mx	-9.3e-5	2
3	MP5C	X	.528	2
4	MP5C	Mx	-7.6e-5	2
5	MP2A	X	.33	1
6	MP2A	Mx	-.000275	1
7	MP2A	X	.33	5.5
8	MP2A	Mx	-.000275	5.5
9	MP2B	X	.33	1
10	MP2B	Mx	.000194	1
11	MP2B	X	.33	5.5
12	MP2B	Mx	.000194	5.5
13	MP2C	X	.33	1
14	MP2C	Mx	.000158	1
15	MP2C	X	.33	5.5
16	MP2C	Mx	.000158	5.5
17	MP1A	X	1.266	1.5
18	MP1A	Mx	.001	1.5
19	MP1A	X	1.266	1.5
20	MP1A	Mx	.001	1.5
21	MP1B	X	1.266	1.5
22	MP1B	Mx	-.000895	1.5
23	MP1B	X	1.266	1.5
24	MP1B	Mx	-.000895	1.5
25	MP1C	X	1.266	1.5
26	MP1C	Mx	-.000726	1.5
27	MP1C	X	1.266	1.5
28	MP1C	Mx	-.000726	1.5
29	MP1A	X	1.054	4
30	MP1A	Mx	.001	4
31	MP1A	X	1.054	4
32	MP1A	Mx	.001	4
33	MP1B	X	1.054	4
34	MP1B	Mx	-.000746	4
35	MP1B	X	1.054	4
36	MP1B	Mx	-.000746	4
37	MP1C	X	1.054	4
38	MP1C	Mx	-.000605	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP1C	X	1.054	4
40	MP1C	Mx	-.000605	4
41	MP2A	X	.96	1
42	MP2A	Mx	-.00048	1
43	MP3A	X	.655	1
44	MP3A	Mx	-.000546	1
45	MP3A	X	.655	5.5
46	MP3A	Mx	-.000546	5.5
47	MP3B	X	.655	1
48	MP3B	Mx	.000773	1
49	MP3B	X	.655	5.5
50	MP3B	Mx	.000773	5.5
51	MP3C	X	.655	1
52	MP3C	Mx	-.000134	1
53	MP3C	X	.655	5.5
54	MP3C	Mx	-.000134	5.5
55	MP3A	X	.969	1
56	MP3A	Mx	-.000808	1
57	MP3A	X	.969	5.5
58	MP3A	Mx	-.000808	5.5
59	MP3B	X	.969	1
60	MP3B	Mx	0	1
61	MP3B	X	.969	5.5
62	MP3B	Mx	0	5.5
63	MP3C	X	.969	1
64	MP3C	Mx	.001	1
65	MP3C	X	.969	5.5
66	MP3C	Mx	.001	5.5
67	MP4A	X	1.306	1.6
68	MP4A	Mx	-.001	1.6
69	MP4A	X	1.306	4.46
70	MP4A	Mx	-.001	4.46
71	MP4B	X	1.306	1.6
72	MP4B	Mx	.00077	1.6
73	MP4B	X	1.306	4.46
74	MP4B	Mx	.00077	4.46
75	MP4C	X	1.306	1.6
76	MP4C	Mx	.000624	1.6
77	MP4C	X	1.306	4.46
78	MP4C	Mx	.000624	4.46
79	MP4A	X	.281	1.5
80	MP4A	Mx	.000281	1.5
81	MP4A	X	.281	1.5
82	MP4A	Mx	.000281	1.5
83	MP4B	X	.281	1.5
84	MP4B	Mx	-.000198	1.5
85	MP4B	X	.281	1.5
86	MP4B	Mx	-.000198	1.5
87	MP4C	X	.281	1.5
88	MP4C	Mx	-.000161	1.5
89	MP4C	X	.281	1.5
90	MP4C	Mx	-.000161	1.5
91	MP2B	X	.96	1
92	MP2B	Mx	.000339	1

Joint Loads and Enforced Displacements

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	Y	-10.543	-10.543	0	%100
2	M1	Y	-7.566	-7.566	0	%100
3	M2	Y	-7.566	-7.566	0	%100
4	M3	Y	-10.032	-10.032	0	%100
5	M4	Y	-7.566	-7.566	0	%100
6	M5	Y	-7.566	-7.566	0	%100
7	M6	Y	-10.032	-10.032	0	%100
8	M7	Y	-7.566	-7.566	0	%100
9	M8	Y	-7.566	-7.566	0	%100
10	M9	Y	-10.032	-10.032	0	%100
11	M17	Y	-4.945	-4.945	0	%100
12	M18	Y	-4.945	-4.945	0	%100
13	M19	Y	-4.945	-4.945	0	%100
14	M26	Y	-4.945	-4.945	0	%100
15	M27	Y	-4.945	-4.945	0	%100
16	M28	Y	-4.945	-4.945	0	%100
17	M54	Y	-10.543	-10.543	0	%100
18	M55	Y	-9.551	-9.551	0	%100
19	M55A	Y	-9.551	-9.551	0	%100
20	M56	Y	-10.543	-10.543	0	%100
21	M57	Y	-9.551	-9.551	0	%100
22	MP1A	Y	-4.945	-4.945	0	%100
23	MP1B	Y	-4.945	-4.945	0	%100
24	MP1C	Y	-4.945	-4.945	0	%100
25	MP2A	Y	-4.945	-4.945	0	%100
26	MP2B	Y	-4.945	-4.945	0	%100
27	MP2C	Y	-4.945	-4.945	0	%100
28	MP4A	Y	-4.945	-4.945	0	%100
29	MP4B	Y	-4.945	-4.945	0	%100
30	MP4C	Y	-4.945	-4.945	0	%100
31	MP3A	Y	-5.647	-5.647	0	%100
32	MP5A	Y	-4.945	-4.945	0	%100
33	MP3B	Y	-5.647	-5.647	0	%100
34	MP5B	Y	-4.945	-4.945	0	%100
35	MP3C	Y	-5.647	-5.647	0	%100
36	MP5C	Y	-4.945	-4.945	0	%100
37	M83	Y	-6.574	-6.574	0	%100
38	M84	Y	-6.574	-6.574	0	%100
39	M85	Y	-6.574	-6.574	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	0	0	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	-5.286	-5.286	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	-5.286	-5.286	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	-13.304	-13.304	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M4	X	0	0	0	%100
10	M4	Z	-5.286	-5.286	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	-5.286	-5.286	0	%100
13	M6	X	0	0	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	-21.146	-21.146	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	-21.146	-21.146	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	-13.304	-13.304	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-10.044	-10.044	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-2.511	-2.511	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	-2.511	-2.511	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-2.511	-2.511	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-2.511	-2.511	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-10.044	-10.044	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	-10.485	-10.485	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	-8.987	-8.987	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	-10.485	-10.485	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	-8.987	-8.987	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-10.044	-10.044	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-10.044	-10.044	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-10.044	-10.044	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	-10.044	-10.044	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	-10.044	-10.044	0	%100
53	MP2C	X	0	0	0	%100
54	MP2C	Z	-10.044	-10.044	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-10.044	-10.044	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	-10.044	-10.044	0	%100
59	MP4C	X	0	0	0	%100
60	MP4C	Z	-10.044	-10.044	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-12.159	-12.159	0	%100
63	MP5A	X	0	0	0	%100
64	MP5A	Z	-10.044	-10.044	0	%100
65	MP3B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
66	MP3B	Z	-12.159	-12.159	0	%100
67	MP5B	X	0	0	0	%100
68	MP5B	Z	-10.044	-10.044	0	%100
69	MP3C	X	0	0	0	%100
70	MP3C	Z	-12.159	-12.159	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	-10.044	-10.044	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	-2.665	-2.665	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	-2.665	-2.665	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	-10.66	-10.66	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	1.747	1.747	0	%100
2	ASO	Z	-3.027	-3.027	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	2.217	2.217	0	%100
8	M3	Z	-3.841	-3.841	0	%100
9	M4	X	7.93	7.93	0	%100
10	M4	Z	-13.735	-13.735	0	%100
11	M5	X	7.93	7.93	0	%100
12	M5	Z	-13.735	-13.735	0	%100
13	M6	X	2.217	2.217	0	%100
14	M6	Z	-3.841	-3.841	0	%100
15	M7	X	7.93	7.93	0	%100
16	M7	Z	-13.735	-13.735	0	%100
17	M8	X	7.93	7.93	0	%100
18	M8	Z	-13.735	-13.735	0	%100
19	M9	X	8.87	8.87	0	%100
20	M9	Z	-15.362	-15.362	0	%100
21	M17	X	3.767	3.767	0	%100
22	M17	Z	-6.524	-6.524	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	3.767	3.767	0	%100
26	M19	Z	-6.524	-6.524	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	3.767	3.767	0	%100
30	M27	Z	-6.524	-6.524	0	%100
31	M28	X	3.767	3.767	0	%100
32	M28	Z	-6.524	-6.524	0	%100
33	M54	X	6.99	6.99	0	%100
34	M54	Z	-12.107	-12.107	0	%100
35	M55	X	1.498	1.498	0	%100
36	M55	Z	-2.594	-2.594	0	%100
37	M55A	X	5.991	5.991	0	%100
38	M55A	Z	-10.377	-10.377	0	%100
39	M56	X	1.747	1.747	0	%100
40	M56	Z	-3.027	-3.027	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M57	X	1.498	1.498	0	%100
42	M57	Z	-2.594	-2.594	0	%100
43	MP1A	X	5.022	5.022	0	%100
44	MP1A	Z	-8.699	-8.699	0	%100
45	MP1B	X	5.022	5.022	0	%100
46	MP1B	Z	-8.699	-8.699	0	%100
47	MP1C	X	5.022	5.022	0	%100
48	MP1C	Z	-8.699	-8.699	0	%100
49	MP2A	X	5.022	5.022	0	%100
50	MP2A	Z	-8.699	-8.699	0	%100
51	MP2B	X	5.022	5.022	0	%100
52	MP2B	Z	-8.699	-8.699	0	%100
53	MP2C	X	5.022	5.022	0	%100
54	MP2C	Z	-8.699	-8.699	0	%100
55	MP4A	X	5.022	5.022	0	%100
56	MP4A	Z	-8.699	-8.699	0	%100
57	MP4B	X	5.022	5.022	0	%100
58	MP4B	Z	-8.699	-8.699	0	%100
59	MP4C	X	5.022	5.022	0	%100
60	MP4C	Z	-8.699	-8.699	0	%100
61	MP3A	X	6.079	6.079	0	%100
62	MP3A	Z	-10.53	-10.53	0	%100
63	MP5A	X	5.022	5.022	0	%100
64	MP5A	Z	-8.699	-8.699	0	%100
65	MP3B	X	6.079	6.079	0	%100
66	MP3B	Z	-10.53	-10.53	0	%100
67	MP5B	X	5.022	5.022	0	%100
68	MP5B	Z	-8.699	-8.699	0	%100
69	MP3C	X	6.079	6.079	0	%100
70	MP3C	Z	-10.53	-10.53	0	%100
71	MP5C	X	5.022	5.022	0	%100
72	MP5C	Z	-8.699	-8.699	0	%100
73	M83	X	3.997	3.997	0	%100
74	M83	Z	-6.924	-6.924	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	3.997	3.997	0	%100
78	M85	Z	-6.924	-6.924	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	9.08	9.08	0	%100
2	ASO	Z	-5.242	-5.242	0	%100
3	M1	X	4.578	4.578	0	%100
4	M1	Z	-2.643	-2.643	0	%100
5	M2	X	4.578	4.578	0	%100
6	M2	Z	-2.643	-2.643	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	18.313	18.313	0	%100
10	M4	Z	-10.573	-10.573	0	%100
11	M5	X	18.313	18.313	0	%100
12	M5	Z	-10.573	-10.573	0	%100
13	M6	X	11.522	11.522	0	%100
14	M6	Z	-6.652	-6.652	0	%100
15	M7	X	4.578	4.578	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M7	Z	-2.643	-2.643	0	%100
17	M8	X	4.578	4.578	0	%100
18	M8	Z	-2.643	-2.643	0	%100
19	M9	X	11.522	11.522	0	%100
20	M9	Z	-6.652	-6.652	0	%100
21	M17	X	2.175	2.175	0	%100
22	M17	Z	-1.256	-1.256	0	%100
23	M18	X	2.175	2.175	0	%100
24	M18	Z	-1.256	-1.256	0	%100
25	M19	X	8.699	8.699	0	%100
26	M19	Z	-5.022	-5.022	0	%100
27	M26	X	2.175	2.175	0	%100
28	M26	Z	-1.256	-1.256	0	%100
29	M27	X	8.699	8.699	0	%100
30	M27	Z	-5.022	-5.022	0	%100
31	M28	X	2.175	2.175	0	%100
32	M28	Z	-1.256	-1.256	0	%100
33	M54	X	9.08	9.08	0	%100
34	M54	Z	-5.242	-5.242	0	%100
35	M55	X	7.783	7.783	0	%100
36	M55	Z	-4.493	-4.493	0	%100
37	M55A	X	7.783	7.783	0	%100
38	M55A	Z	-4.493	-4.493	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	8.699	8.699	0	%100
44	MP1A	Z	-5.022	-5.022	0	%100
45	MP1B	X	8.699	8.699	0	%100
46	MP1B	Z	-5.022	-5.022	0	%100
47	MP1C	X	8.699	8.699	0	%100
48	MP1C	Z	-5.022	-5.022	0	%100
49	MP2A	X	8.699	8.699	0	%100
50	MP2A	Z	-5.022	-5.022	0	%100
51	MP2B	X	8.699	8.699	0	%100
52	MP2B	Z	-5.022	-5.022	0	%100
53	MP2C	X	8.699	8.699	0	%100
54	MP2C	Z	-5.022	-5.022	0	%100
55	MP4A	X	8.699	8.699	0	%100
56	MP4A	Z	-5.022	-5.022	0	%100
57	MP4B	X	8.699	8.699	0	%100
58	MP4B	Z	-5.022	-5.022	0	%100
59	MP4C	X	8.699	8.699	0	%100
60	MP4C	Z	-5.022	-5.022	0	%100
61	MP3A	X	10.53	10.53	0	%100
62	MP3A	Z	-6.079	-6.079	0	%100
63	MP5A	X	8.699	8.699	0	%100
64	MP5A	Z	-5.022	-5.022	0	%100
65	MP3B	X	10.53	10.53	0	%100
66	MP3B	Z	-6.079	-6.079	0	%100
67	MP5B	X	8.699	8.699	0	%100
68	MP5B	Z	-5.022	-5.022	0	%100
69	MP3C	X	10.53	10.53	0	%100
70	MP3C	Z	-6.079	-6.079	0	%100
71	MP5C	X	8.699	8.699	0	%100
72	MP5C	Z	-5.022	-5.022	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M83	X	9.232	9.232	0	%100
74	M83	Z	-5.33	-5.33	0	%100
75	M84	X	2.308	2.308	0	%100
76	M84	Z	-1.332	-1.332	0	%100
77	M85	X	2.308	2.308	0	%100
78	M85	Z	-1.332	-1.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	13.98	13.98	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	15.859	15.859	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	15.859	15.859	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	4.435	4.435	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	15.859	15.859	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	15.859	15.859	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	17.739	17.739	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	0	0	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	0	0	0	%100
19	M9	X	4.435	4.435	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	7.533	7.533	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	7.533	7.533	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	7.533	7.533	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	7.533	7.533	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M54	X	3.495	3.495	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	11.983	11.983	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	2.996	2.996	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	3.495	3.495	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	2.996	2.996	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	10.044	10.044	0	%100
44	MP1A	Z	0	0	0	%100
45	MP1B	X	10.044	10.044	0	%100
46	MP1B	Z	0	0	0	%100
47	MP1C	X	10.044	10.044	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	MP1C	Z	0	0	0	%100
49	MP2A	X	10.044	10.044	0	%100
50	MP2A	Z	0	0	0	%100
51	MP2B	X	10.044	10.044	0	%100
52	MP2B	Z	0	0	0	%100
53	MP2C	X	10.044	10.044	0	%100
54	MP2C	Z	0	0	0	%100
55	MP4A	X	10.044	10.044	0	%100
56	MP4A	Z	0	0	0	%100
57	MP4B	X	10.044	10.044	0	%100
58	MP4B	Z	0	0	0	%100
59	MP4C	X	10.044	10.044	0	%100
60	MP4C	Z	0	0	0	%100
61	MP3A	X	12.159	12.159	0	%100
62	MP3A	Z	0	0	0	%100
63	MP5A	X	10.044	10.044	0	%100
64	MP5A	Z	0	0	0	%100
65	MP3B	X	12.159	12.159	0	%100
66	MP3B	Z	0	0	0	%100
67	MP5B	X	10.044	10.044	0	%100
68	MP5B	Z	0	0	0	%100
69	MP3C	X	12.159	12.159	0	%100
70	MP3C	Z	0	0	0	%100
71	MP5C	X	10.044	10.044	0	%100
72	MP5C	Z	0	0	0	%100
73	M83	X	7.995	7.995	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	7.995	7.995	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	9.08	9.08	0	%100
2	ASO	Z	5.242	5.242	0	%100
3	M1	X	18.313	18.313	0	%100
4	M1	Z	10.573	10.573	0	%100
5	M2	X	18.313	18.313	0	%100
6	M2	Z	10.573	10.573	0	%100
7	M3	X	11.522	11.522	0	%100
8	M3	Z	6.652	6.652	0	%100
9	M4	X	4.578	4.578	0	%100
10	M4	Z	2.643	2.643	0	%100
11	M5	X	4.578	4.578	0	%100
12	M5	Z	2.643	2.643	0	%100
13	M6	X	11.522	11.522	0	%100
14	M6	Z	6.652	6.652	0	%100
15	M7	X	4.578	4.578	0	%100
16	M7	Z	2.643	2.643	0	%100
17	M8	X	4.578	4.578	0	%100
18	M8	Z	2.643	2.643	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	2.175	2.175	0	%100
22	M17	Z	1.256	1.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M18	X	8.699	8.699	0	%100
24	M18	Z	5.022	5.022	0	%100
25	M19	X	2.175	2.175	0	%100
26	M19	Z	1.256	1.256	0	%100
27	M26	X	8.699	8.699	0	%100
28	M26	Z	5.022	5.022	0	%100
29	M27	X	2.175	2.175	0	%100
30	M27	Z	1.256	1.256	0	%100
31	M28	X	2.175	2.175	0	%100
32	M28	Z	1.256	1.256	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	7.783	7.783	0	%100
36	M55	Z	4.493	4.493	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	9.08	9.08	0	%100
40	M56	Z	5.242	5.242	0	%100
41	M57	X	7.783	7.783	0	%100
42	M57	Z	4.493	4.493	0	%100
43	MP1A	X	8.699	8.699	0	%100
44	MP1A	Z	5.022	5.022	0	%100
45	MP1B	X	8.699	8.699	0	%100
46	MP1B	Z	5.022	5.022	0	%100
47	MP1C	X	8.699	8.699	0	%100
48	MP1C	Z	5.022	5.022	0	%100
49	MP2A	X	8.699	8.699	0	%100
50	MP2A	Z	5.022	5.022	0	%100
51	MP2B	X	8.699	8.699	0	%100
52	MP2B	Z	5.022	5.022	0	%100
53	MP2C	X	8.699	8.699	0	%100
54	MP2C	Z	5.022	5.022	0	%100
55	MP4A	X	8.699	8.699	0	%100
56	MP4A	Z	5.022	5.022	0	%100
57	MP4B	X	8.699	8.699	0	%100
58	MP4B	Z	5.022	5.022	0	%100
59	MP4C	X	8.699	8.699	0	%100
60	MP4C	Z	5.022	5.022	0	%100
61	MP3A	X	10.53	10.53	0	%100
62	MP3A	Z	6.079	6.079	0	%100
63	MP5A	X	8.699	8.699	0	%100
64	MP5A	Z	5.022	5.022	0	%100
65	MP3B	X	10.53	10.53	0	%100
66	MP3B	Z	6.079	6.079	0	%100
67	MP5B	X	8.699	8.699	0	%100
68	MP5B	Z	5.022	5.022	0	%100
69	MP3C	X	10.53	10.53	0	%100
70	MP3C	Z	6.079	6.079	0	%100
71	MP5C	X	8.699	8.699	0	%100
72	MP5C	Z	5.022	5.022	0	%100
73	M83	X	2.308	2.308	0	%100
74	M83	Z	1.332	1.332	0	%100
75	M84	X	9.232	9.232	0	%100
76	M84	Z	5.33	5.33	0	%100
77	M85	X	2.308	2.308	0	%100
78	M85	Z	1.332	1.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	1.747	1.747	0	%100
2	ASO	Z	3.027	3.027	0	%100
3	M1	X	7.93	7.93	0	%100
4	M1	Z	13.735	13.735	0	%100
5	M2	X	7.93	7.93	0	%100
6	M2	Z	13.735	13.735	0	%100
7	M3	X	8.87	8.87	0	%100
8	M3	Z	15.362	15.362	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	2.217	2.217	0	%100
14	M6	Z	3.841	3.841	0	%100
15	M7	X	7.93	7.93	0	%100
16	M7	Z	13.735	13.735	0	%100
17	M8	X	7.93	7.93	0	%100
18	M8	Z	13.735	13.735	0	%100
19	M9	X	2.217	2.217	0	%100
20	M9	Z	3.841	3.841	0	%100
21	M17	X	3.767	3.767	0	%100
22	M17	Z	6.524	6.524	0	%100
23	M18	X	3.767	3.767	0	%100
24	M18	Z	6.524	6.524	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	3.767	3.767	0	%100
28	M26	Z	6.524	6.524	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	3.767	3.767	0	%100
32	M28	Z	6.524	6.524	0	%100
33	M54	X	1.747	1.747	0	%100
34	M54	Z	3.027	3.027	0	%100
35	M55	X	1.498	1.498	0	%100
36	M55	Z	2.594	2.594	0	%100
37	M55A	X	1.498	1.498	0	%100
38	M55A	Z	2.594	2.594	0	%100
39	M56	X	6.99	6.99	0	%100
40	M56	Z	12.107	12.107	0	%100
41	M57	X	5.991	5.991	0	%100
42	M57	Z	10.377	10.377	0	%100
43	MP1A	X	5.022	5.022	0	%100
44	MP1A	Z	8.699	8.699	0	%100
45	MP1B	X	5.022	5.022	0	%100
46	MP1B	Z	8.699	8.699	0	%100
47	MP1C	X	5.022	5.022	0	%100
48	MP1C	Z	8.699	8.699	0	%100
49	MP2A	X	5.022	5.022	0	%100
50	MP2A	Z	8.699	8.699	0	%100
51	MP2B	X	5.022	5.022	0	%100
52	MP2B	Z	8.699	8.699	0	%100
53	MP2C	X	5.022	5.022	0	%100
54	MP2C	Z	8.699	8.699	0	%100
55	MP4A	X	5.022	5.022	0	%100
56	MP4A	Z	8.699	8.699	0	%100
57	MP4B	X	5.022	5.022	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP4B	Z	8.699	8.699	0	%100
59	MP4C	X	5.022	5.022	0	%100
60	MP4C	Z	8.699	8.699	0	%100
61	MP3A	X	6.079	6.079	0	%100
62	MP3A	Z	10.53	10.53	0	%100
63	MP5A	X	5.022	5.022	0	%100
64	MP5A	Z	8.699	8.699	0	%100
65	MP3B	X	6.079	6.079	0	%100
66	MP3B	Z	10.53	10.53	0	%100
67	MP5B	X	5.022	5.022	0	%100
68	MP5B	Z	8.699	8.699	0	%100
69	MP3C	X	6.079	6.079	0	%100
70	MP3C	Z	10.53	10.53	0	%100
71	MP5C	X	5.022	5.022	0	%100
72	MP5C	Z	8.699	8.699	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	3.997	3.997	0	%100
76	M84	Z	6.924	6.924	0	%100
77	M85	X	3.997	3.997	0	%100
78	M85	Z	6.924	6.924	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	0	0	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	5.286	5.286	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	5.286	5.286	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	13.304	13.304	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	5.286	5.286	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	5.286	5.286	0	%100
13	M6	X	0	0	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	21.146	21.146	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	21.146	21.146	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	13.304	13.304	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	10.044	10.044	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	2.511	2.511	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	2.511	2.511	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	2.511	2.511	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	2.511	2.511	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	10.044	10.044	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M54	X	0	0	0	%100
34	M54	Z	10.485	10.485	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	8.987	8.987	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	10.485	10.485	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	8.987	8.987	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	10.044	10.044	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	10.044	10.044	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	10.044	10.044	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	10.044	10.044	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	10.044	10.044	0	%100
53	MP2C	X	0	0	0	%100
54	MP2C	Z	10.044	10.044	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	10.044	10.044	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	10.044	10.044	0	%100
59	MP4C	X	0	0	0	%100
60	MP4C	Z	10.044	10.044	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	12.159	12.159	0	%100
63	MP5A	X	0	0	0	%100
64	MP5A	Z	10.044	10.044	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	12.159	12.159	0	%100
67	MP5B	X	0	0	0	%100
68	MP5B	Z	10.044	10.044	0	%100
69	MP3C	X	0	0	0	%100
70	MP3C	Z	12.159	12.159	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	10.044	10.044	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	2.665	2.665	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	2.665	2.665	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	10.66	10.66	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-1.747	-1.747	0	%100
2	ASO	Z	3.027	3.027	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-2.217	-2.217	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M3	Z	3.841	3.841	0	%100
9	M4	X	-7.93	-7.93	0	%100
10	M4	Z	13.735	13.735	0	%100
11	M5	X	-7.93	-7.93	0	%100
12	M5	Z	13.735	13.735	0	%100
13	M6	X	-2.217	-2.217	0	%100
14	M6	Z	3.841	3.841	0	%100
15	M7	X	-7.93	-7.93	0	%100
16	M7	Z	13.735	13.735	0	%100
17	M8	X	-7.93	-7.93	0	%100
18	M8	Z	13.735	13.735	0	%100
19	M9	X	-8.87	-8.87	0	%100
20	M9	Z	15.362	15.362	0	%100
21	M17	X	-3.767	-3.767	0	%100
22	M17	Z	6.524	6.524	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	-3.767	-3.767	0	%100
26	M19	Z	6.524	6.524	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-3.767	-3.767	0	%100
30	M27	Z	6.524	6.524	0	%100
31	M28	X	-3.767	-3.767	0	%100
32	M28	Z	6.524	6.524	0	%100
33	M54	X	-6.99	-6.99	0	%100
34	M54	Z	12.107	12.107	0	%100
35	M55	X	-1.498	-1.498	0	%100
36	M55	Z	2.594	2.594	0	%100
37	M55A	X	-5.991	-5.991	0	%100
38	M55A	Z	10.377	10.377	0	%100
39	M56	X	-1.747	-1.747	0	%100
40	M56	Z	3.027	3.027	0	%100
41	M57	X	-1.498	-1.498	0	%100
42	M57	Z	2.594	2.594	0	%100
43	MP1A	X	-5.022	-5.022	0	%100
44	MP1A	Z	8.699	8.699	0	%100
45	MP1B	X	-5.022	-5.022	0	%100
46	MP1B	Z	8.699	8.699	0	%100
47	MP1C	X	-5.022	-5.022	0	%100
48	MP1C	Z	8.699	8.699	0	%100
49	MP2A	X	-5.022	-5.022	0	%100
50	MP2A	Z	8.699	8.699	0	%100
51	MP2B	X	-5.022	-5.022	0	%100
52	MP2B	Z	8.699	8.699	0	%100
53	MP2C	X	-5.022	-5.022	0	%100
54	MP2C	Z	8.699	8.699	0	%100
55	MP4A	X	-5.022	-5.022	0	%100
56	MP4A	Z	8.699	8.699	0	%100
57	MP4B	X	-5.022	-5.022	0	%100
58	MP4B	Z	8.699	8.699	0	%100
59	MP4C	X	-5.022	-5.022	0	%100
60	MP4C	Z	8.699	8.699	0	%100
61	MP3A	X	-6.079	-6.079	0	%100
62	MP3A	Z	10.53	10.53	0	%100
63	MP5A	X	-5.022	-5.022	0	%100
64	MP5A	Z	8.699	8.699	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	-6.079	-6.079	0	%100
66	MP3B	Z	10.53	10.53	0	%100
67	MP5B	X	-5.022	-5.022	0	%100
68	MP5B	Z	8.699	8.699	0	%100
69	MP3C	X	-6.079	-6.079	0	%100
70	MP3C	Z	10.53	10.53	0	%100
71	MP5C	X	-5.022	-5.022	0	%100
72	MP5C	Z	8.699	8.699	0	%100
73	M83	X	-3.997	-3.997	0	%100
74	M83	Z	6.924	6.924	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	-3.997	-3.997	0	%100
78	M85	Z	6.924	6.924	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-9.08	-9.08	0	%100
2	ASO	Z	5.242	5.242	0	%100
3	M1	X	-4.578	-4.578	0	%100
4	M1	Z	2.643	2.643	0	%100
5	M2	X	-4.578	-4.578	0	%100
6	M2	Z	2.643	2.643	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	-18.313	-18.313	0	%100
10	M4	Z	10.573	10.573	0	%100
11	M5	X	-18.313	-18.313	0	%100
12	M5	Z	10.573	10.573	0	%100
13	M6	X	-11.522	-11.522	0	%100
14	M6	Z	6.652	6.652	0	%100
15	M7	X	-4.578	-4.578	0	%100
16	M7	Z	2.643	2.643	0	%100
17	M8	X	-4.578	-4.578	0	%100
18	M8	Z	2.643	2.643	0	%100
19	M9	X	-11.522	-11.522	0	%100
20	M9	Z	6.652	6.652	0	%100
21	M17	X	-2.175	-2.175	0	%100
22	M17	Z	1.256	1.256	0	%100
23	M18	X	-2.175	-2.175	0	%100
24	M18	Z	1.256	1.256	0	%100
25	M19	X	-8.699	-8.699	0	%100
26	M19	Z	5.022	5.022	0	%100
27	M26	X	-2.175	-2.175	0	%100
28	M26	Z	1.256	1.256	0	%100
29	M27	X	-8.699	-8.699	0	%100
30	M27	Z	5.022	5.022	0	%100
31	M28	X	-2.175	-2.175	0	%100
32	M28	Z	1.256	1.256	0	%100
33	M54	X	-9.08	-9.08	0	%100
34	M54	Z	5.242	5.242	0	%100
35	M55	X	-7.783	-7.783	0	%100
36	M55	Z	4.493	4.493	0	%100
37	M55A	X	-7.783	-7.783	0	%100
38	M55A	Z	4.493	4.493	0	%100
39	M56	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M56	Z	0	0	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	-8.699	-8.699	0	%100
44	MP1A	Z	5.022	5.022	0	%100
45	MP1B	X	-8.699	-8.699	0	%100
46	MP1B	Z	5.022	5.022	0	%100
47	MP1C	X	-8.699	-8.699	0	%100
48	MP1C	Z	5.022	5.022	0	%100
49	MP2A	X	-8.699	-8.699	0	%100
50	MP2A	Z	5.022	5.022	0	%100
51	MP2B	X	-8.699	-8.699	0	%100
52	MP2B	Z	5.022	5.022	0	%100
53	MP2C	X	-8.699	-8.699	0	%100
54	MP2C	Z	5.022	5.022	0	%100
55	MP4A	X	-8.699	-8.699	0	%100
56	MP4A	Z	5.022	5.022	0	%100
57	MP4B	X	-8.699	-8.699	0	%100
58	MP4B	Z	5.022	5.022	0	%100
59	MP4C	X	-8.699	-8.699	0	%100
60	MP4C	Z	5.022	5.022	0	%100
61	MP3A	X	-10.53	-10.53	0	%100
62	MP3A	Z	6.079	6.079	0	%100
63	MP5A	X	-8.699	-8.699	0	%100
64	MP5A	Z	5.022	5.022	0	%100
65	MP3B	X	-10.53	-10.53	0	%100
66	MP3B	Z	6.079	6.079	0	%100
67	MP5B	X	-8.699	-8.699	0	%100
68	MP5B	Z	5.022	5.022	0	%100
69	MP3C	X	-10.53	-10.53	0	%100
70	MP3C	Z	6.079	6.079	0	%100
71	MP5C	X	-8.699	-8.699	0	%100
72	MP5C	Z	5.022	5.022	0	%100
73	M83	X	-9.232	-9.232	0	%100
74	M83	Z	5.33	5.33	0	%100
75	M84	X	-2.308	-2.308	0	%100
76	M84	Z	1.332	1.332	0	%100
77	M85	X	-2.308	-2.308	0	%100
78	M85	Z	1.332	1.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-13.98	-13.98	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	-15.859	-15.859	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	-15.859	-15.859	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-4.435	-4.435	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	-15.859	-15.859	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	-15.859	-15.859	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	-17.739	-17.739	0	%100
14	M6	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	M7	X	0	0	0	%100
16	M7	Z	0	0	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	0	0	0	%100
19	M9	X	-4.435	-4.435	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	-7.533	-7.533	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	-7.533	-7.533	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	-7.533	-7.533	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-7.533	-7.533	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M54	X	-3.495	-3.495	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	-11.983	-11.983	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	-2.996	-2.996	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	-3.495	-3.495	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-2.996	-2.996	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	-10.044	-10.044	0	%100
44	MP1A	Z	0	0	0	%100
45	MP1B	X	-10.044	-10.044	0	%100
46	MP1B	Z	0	0	0	%100
47	MP1C	X	-10.044	-10.044	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2A	X	-10.044	-10.044	0	%100
50	MP2A	Z	0	0	0	%100
51	MP2B	X	-10.044	-10.044	0	%100
52	MP2B	Z	0	0	0	%100
53	MP2C	X	-10.044	-10.044	0	%100
54	MP2C	Z	0	0	0	%100
55	MP4A	X	-10.044	-10.044	0	%100
56	MP4A	Z	0	0	0	%100
57	MP4B	X	-10.044	-10.044	0	%100
58	MP4B	Z	0	0	0	%100
59	MP4C	X	-10.044	-10.044	0	%100
60	MP4C	Z	0	0	0	%100
61	MP3A	X	-12.159	-12.159	0	%100
62	MP3A	Z	0	0	0	%100
63	MP5A	X	-10.044	-10.044	0	%100
64	MP5A	Z	0	0	0	%100
65	MP3B	X	-12.159	-12.159	0	%100
66	MP3B	Z	0	0	0	%100
67	MP5B	X	-10.044	-10.044	0	%100
68	MP5B	Z	0	0	0	%100
69	MP3C	X	-12.159	-12.159	0	%100
70	MP3C	Z	0	0	0	%100
71	MP5C	X	-10.044	-10.044	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	MP5C	Z	0	0	0	%100
73	M83	X	-7.995	-7.995	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-7.995	-7.995	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-9.08	-9.08	0	%100
2	ASO	Z	-5.242	-5.242	0	%100
3	M1	X	-18.313	-18.313	0	%100
4	M1	Z	-10.573	-10.573	0	%100
5	M2	X	-18.313	-18.313	0	%100
6	M2	Z	-10.573	-10.573	0	%100
7	M3	X	-11.522	-11.522	0	%100
8	M3	Z	-6.652	-6.652	0	%100
9	M4	X	-4.578	-4.578	0	%100
10	M4	Z	-2.643	-2.643	0	%100
11	M5	X	-4.578	-4.578	0	%100
12	M5	Z	-2.643	-2.643	0	%100
13	M6	X	-11.522	-11.522	0	%100
14	M6	Z	-6.652	-6.652	0	%100
15	M7	X	-4.578	-4.578	0	%100
16	M7	Z	-2.643	-2.643	0	%100
17	M8	X	-4.578	-4.578	0	%100
18	M8	Z	-2.643	-2.643	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	-2.175	-2.175	0	%100
22	M17	Z	-1.256	-1.256	0	%100
23	M18	X	-8.699	-8.699	0	%100
24	M18	Z	-5.022	-5.022	0	%100
25	M19	X	-2.175	-2.175	0	%100
26	M19	Z	-1.256	-1.256	0	%100
27	M26	X	-8.699	-8.699	0	%100
28	M26	Z	-5.022	-5.022	0	%100
29	M27	X	-2.175	-2.175	0	%100
30	M27	Z	-1.256	-1.256	0	%100
31	M28	X	-2.175	-2.175	0	%100
32	M28	Z	-1.256	-1.256	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	-7.783	-7.783	0	%100
36	M55	Z	-4.493	-4.493	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	-9.08	-9.08	0	%100
40	M56	Z	-5.242	-5.242	0	%100
41	M57	X	-7.783	-7.783	0	%100
42	M57	Z	-4.493	-4.493	0	%100
43	MP1A	X	-8.699	-8.699	0	%100
44	MP1A	Z	-5.022	-5.022	0	%100
45	MP1B	X	-8.699	-8.699	0	%100
46	MP1B	Z	-5.022	-5.022	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	MP1C	X	-8.699	-8.699	0	%100
48	MP1C	Z	-5.022	-5.022	0	%100
49	MP2A	X	-8.699	-8.699	0	%100
50	MP2A	Z	-5.022	-5.022	0	%100
51	MP2B	X	-8.699	-8.699	0	%100
52	MP2B	Z	-5.022	-5.022	0	%100
53	MP2C	X	-8.699	-8.699	0	%100
54	MP2C	Z	-5.022	-5.022	0	%100
55	MP4A	X	-8.699	-8.699	0	%100
56	MP4A	Z	-5.022	-5.022	0	%100
57	MP4B	X	-8.699	-8.699	0	%100
58	MP4B	Z	-5.022	-5.022	0	%100
59	MP4C	X	-8.699	-8.699	0	%100
60	MP4C	Z	-5.022	-5.022	0	%100
61	MP3A	X	-10.53	-10.53	0	%100
62	MP3A	Z	-6.079	-6.079	0	%100
63	MP5A	X	-8.699	-8.699	0	%100
64	MP5A	Z	-5.022	-5.022	0	%100
65	MP3B	X	-10.53	-10.53	0	%100
66	MP3B	Z	-6.079	-6.079	0	%100
67	MP5B	X	-8.699	-8.699	0	%100
68	MP5B	Z	-5.022	-5.022	0	%100
69	MP3C	X	-10.53	-10.53	0	%100
70	MP3C	Z	-6.079	-6.079	0	%100
71	MP5C	X	-8.699	-8.699	0	%100
72	MP5C	Z	-5.022	-5.022	0	%100
73	M83	X	-2.308	-2.308	0	%100
74	M83	Z	-1.332	-1.332	0	%100
75	M84	X	-9.232	-9.232	0	%100
76	M84	Z	-5.33	-5.33	0	%100
77	M85	X	-2.308	-2.308	0	%100
78	M85	Z	-1.332	-1.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-1.747	-1.747	0	%100
2	ASO	Z	-3.027	-3.027	0	%100
3	M1	X	-7.93	-7.93	0	%100
4	M1	Z	-13.735	-13.735	0	%100
5	M2	X	-7.93	-7.93	0	%100
6	M2	Z	-13.735	-13.735	0	%100
7	M3	X	-8.87	-8.87	0	%100
8	M3	Z	-15.362	-15.362	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	-2.217	-2.217	0	%100
14	M6	Z	-3.841	-3.841	0	%100
15	M7	X	-7.93	-7.93	0	%100
16	M7	Z	-13.735	-13.735	0	%100
17	M8	X	-7.93	-7.93	0	%100
18	M8	Z	-13.735	-13.735	0	%100
19	M9	X	-2.217	-2.217	0	%100
20	M9	Z	-3.841	-3.841	0	%100
21	M17	X	-3.767	-3.767	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M17	Z	-6.524	-6.524	0	%100
23	M18	X	-3.767	-3.767	0	%100
24	M18	Z	-6.524	-6.524	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	-3.767	-3.767	0	%100
28	M26	Z	-6.524	-6.524	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-3.767	-3.767	0	%100
32	M28	Z	-6.524	-6.524	0	%100
33	M54	X	-1.747	-1.747	0	%100
34	M54	Z	-3.027	-3.027	0	%100
35	M55	X	-1.498	-1.498	0	%100
36	M55	Z	-2.594	-2.594	0	%100
37	M55A	X	-1.498	-1.498	0	%100
38	M55A	Z	-2.594	-2.594	0	%100
39	M56	X	-6.99	-6.99	0	%100
40	M56	Z	-12.107	-12.107	0	%100
41	M57	X	-5.991	-5.991	0	%100
42	M57	Z	-10.377	-10.377	0	%100
43	MP1A	X	-5.022	-5.022	0	%100
44	MP1A	Z	-8.699	-8.699	0	%100
45	MP1B	X	-5.022	-5.022	0	%100
46	MP1B	Z	-8.699	-8.699	0	%100
47	MP1C	X	-5.022	-5.022	0	%100
48	MP1C	Z	-8.699	-8.699	0	%100
49	MP2A	X	-5.022	-5.022	0	%100
50	MP2A	Z	-8.699	-8.699	0	%100
51	MP2B	X	-5.022	-5.022	0	%100
52	MP2B	Z	-8.699	-8.699	0	%100
53	MP2C	X	-5.022	-5.022	0	%100
54	MP2C	Z	-8.699	-8.699	0	%100
55	MP4A	X	-5.022	-5.022	0	%100
56	MP4A	Z	-8.699	-8.699	0	%100
57	MP4B	X	-5.022	-5.022	0	%100
58	MP4B	Z	-8.699	-8.699	0	%100
59	MP4C	X	-5.022	-5.022	0	%100
60	MP4C	Z	-8.699	-8.699	0	%100
61	MP3A	X	-6.079	-6.079	0	%100
62	MP3A	Z	-10.53	-10.53	0	%100
63	MP5A	X	-5.022	-5.022	0	%100
64	MP5A	Z	-8.699	-8.699	0	%100
65	MP3B	X	-6.079	-6.079	0	%100
66	MP3B	Z	-10.53	-10.53	0	%100
67	MP5B	X	-5.022	-5.022	0	%100
68	MP5B	Z	-8.699	-8.699	0	%100
69	MP3C	X	-6.079	-6.079	0	%100
70	MP3C	Z	-10.53	-10.53	0	%100
71	MP5C	X	-5.022	-5.022	0	%100
72	MP5C	Z	-8.699	-8.699	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-3.997	-3.997	0	%100
76	M84	Z	-6.924	-6.924	0	%100
77	M85	X	-3.997	-3.997	0	%100
78	M85	Z	-6.924	-6.924	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	0	0	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	-1.339	-1.339	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	-1.339	-1.339	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	-3.458	-3.458	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	-1.339	-1.339	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	-1.339	-1.339	0	%100
13	M6	X	0	0	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	-5.358	-5.358	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	-5.358	-5.358	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	-3.458	-3.458	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-3.431	-3.431	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-.858	-.858	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	-.858	-.858	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.858	-.858	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.858	-.858	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-3.431	-3.431	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	-2.744	-2.744	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	-2.342	-2.342	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	-2.744	-2.744	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	-2.342	-2.342	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-3.431	-3.431	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-3.431	-3.431	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-3.431	-3.431	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	-3.431	-3.431	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	-3.431	-3.431	0	%100
53	MP2C	X	0	0	0	%100
54	MP2C	Z	-3.431	-3.431	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-3.431	-3.431	0	%100
57	MP4B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP4B	Z	-3.431	-3.431	0	%100
59	MP4C	X	0	0	0	%100
60	MP4C	Z	-3.431	-3.431	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-3.798	-3.798	0	%100
63	MP5A	X	0	0	0	%100
64	MP5A	Z	-3.431	-3.431	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	-3.798	-3.798	0	%100
67	MP5B	X	0	0	0	%100
68	MP5B	Z	-3.431	-3.431	0	%100
69	MP3C	X	0	0	0	%100
70	MP3C	Z	-3.798	-3.798	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	-3.431	-3.431	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	-.712	-.712	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	-.712	-.712	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	-2.849	-2.849	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	.457	.457	0	%100
2	ASO	Z	-.792	-.792	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	.576	.576	0	%100
8	M3	Z	-.998	-.998	0	%100
9	M4	X	2.009	2.009	0	%100
10	M4	Z	-3.48	-3.48	0	%100
11	M5	X	2.009	2.009	0	%100
12	M5	Z	-3.48	-3.48	0	%100
13	M6	X	.576	.576	0	%100
14	M6	Z	-.998	-.998	0	%100
15	M7	X	2.009	2.009	0	%100
16	M7	Z	-3.48	-3.48	0	%100
17	M8	X	2.009	2.009	0	%100
18	M8	Z	-3.48	-3.48	0	%100
19	M9	X	2.306	2.306	0	%100
20	M9	Z	-3.993	-3.993	0	%100
21	M17	X	1.286	1.286	0	%100
22	M17	Z	-2.228	-2.228	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	1.286	1.286	0	%100
26	M19	Z	-2.228	-2.228	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	1.286	1.286	0	%100
30	M27	Z	-2.228	-2.228	0	%100
31	M28	X	1.286	1.286	0	%100
32	M28	Z	-2.228	-2.228	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M54	X	1.83	1.83	0	%100
34	M54	Z	-3.169	-3.169	0	%100
35	M55	X	.39	.39	0	%100
36	M55	Z	-.676	-.676	0	%100
37	M55A	X	1.561	1.561	0	%100
38	M55A	Z	-2.704	-2.704	0	%100
39	M56	X	.457	.457	0	%100
40	M56	Z	-.792	-.792	0	%100
41	M57	X	.39	.39	0	%100
42	M57	Z	-.676	-.676	0	%100
43	MP1A	X	1.715	1.715	0	%100
44	MP1A	Z	-2.971	-2.971	0	%100
45	MP1B	X	1.715	1.715	0	%100
46	MP1B	Z	-2.971	-2.971	0	%100
47	MP1C	X	1.715	1.715	0	%100
48	MP1C	Z	-2.971	-2.971	0	%100
49	MP2A	X	1.715	1.715	0	%100
50	MP2A	Z	-2.971	-2.971	0	%100
51	MP2B	X	1.715	1.715	0	%100
52	MP2B	Z	-2.971	-2.971	0	%100
53	MP2C	X	1.715	1.715	0	%100
54	MP2C	Z	-2.971	-2.971	0	%100
55	MP4A	X	1.715	1.715	0	%100
56	MP4A	Z	-2.971	-2.971	0	%100
57	MP4B	X	1.715	1.715	0	%100
58	MP4B	Z	-2.971	-2.971	0	%100
59	MP4C	X	1.715	1.715	0	%100
60	MP4C	Z	-2.971	-2.971	0	%100
61	MP3A	X	1.899	1.899	0	%100
62	MP3A	Z	-3.289	-3.289	0	%100
63	MP5A	X	1.715	1.715	0	%100
64	MP5A	Z	-2.971	-2.971	0	%100
65	MP3B	X	1.899	1.899	0	%100
66	MP3B	Z	-3.289	-3.289	0	%100
67	MP5B	X	1.715	1.715	0	%100
68	MP5B	Z	-2.971	-2.971	0	%100
69	MP3C	X	1.899	1.899	0	%100
70	MP3C	Z	-3.289	-3.289	0	%100
71	MP5C	X	1.715	1.715	0	%100
72	MP5C	Z	-2.971	-2.971	0	%100
73	M83	X	1.068	1.068	0	%100
74	M83	Z	-1.851	-1.851	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	1.068	1.068	0	%100
78	M85	Z	-1.851	-1.851	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	2.377	2.377	0	%100
2	ASO	Z	-1.372	-1.372	0	%100
3	M1	X	1.16	1.16	0	%100
4	M1	Z	-.67	-.67	0	%100
5	M2	X	1.16	1.16	0	%100
6	M2	Z	-.67	-.67	0	%100
7	M3	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M3	Z	0	0	0	%100
9	M4	X	4.64	4.64	0	%100
10	M4	Z	-2.679	-2.679	0	%100
11	M5	X	4.64	4.64	0	%100
12	M5	Z	-2.679	-2.679	0	%100
13	M6	X	2.995	2.995	0	%100
14	M6	Z	-1.729	-1.729	0	%100
15	M7	X	1.16	1.16	0	%100
16	M7	Z	-.67	-.67	0	%100
17	M8	X	1.16	1.16	0	%100
18	M8	Z	-.67	-.67	0	%100
19	M9	X	2.995	2.995	0	%100
20	M9	Z	-1.729	-1.729	0	%100
21	M17	X	.743	.743	0	%100
22	M17	Z	-.429	-.429	0	%100
23	M18	X	.743	.743	0	%100
24	M18	Z	-.429	-.429	0	%100
25	M19	X	2.971	2.971	0	%100
26	M19	Z	-1.715	-1.715	0	%100
27	M26	X	.743	.743	0	%100
28	M26	Z	-.429	-.429	0	%100
29	M27	X	2.971	2.971	0	%100
30	M27	Z	-1.715	-1.715	0	%100
31	M28	X	.743	.743	0	%100
32	M28	Z	-.429	-.429	0	%100
33	M54	X	2.377	2.377	0	%100
34	M54	Z	-1.372	-1.372	0	%100
35	M55	X	2.028	2.028	0	%100
36	M55	Z	-1.171	-1.171	0	%100
37	M55A	X	2.028	2.028	0	%100
38	M55A	Z	-1.171	-1.171	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	2.971	2.971	0	%100
44	MP1A	Z	-1.715	-1.715	0	%100
45	MP1B	X	2.971	2.971	0	%100
46	MP1B	Z	-1.715	-1.715	0	%100
47	MP1C	X	2.971	2.971	0	%100
48	MP1C	Z	-1.715	-1.715	0	%100
49	MP2A	X	2.971	2.971	0	%100
50	MP2A	Z	-1.715	-1.715	0	%100
51	MP2B	X	2.971	2.971	0	%100
52	MP2B	Z	-1.715	-1.715	0	%100
53	MP2C	X	2.971	2.971	0	%100
54	MP2C	Z	-1.715	-1.715	0	%100
55	MP4A	X	2.971	2.971	0	%100
56	MP4A	Z	-1.715	-1.715	0	%100
57	MP4B	X	2.971	2.971	0	%100
58	MP4B	Z	-1.715	-1.715	0	%100
59	MP4C	X	2.971	2.971	0	%100
60	MP4C	Z	-1.715	-1.715	0	%100
61	MP3A	X	3.289	3.289	0	%100
62	MP3A	Z	-1.899	-1.899	0	%100
63	MP5A	X	2.971	2.971	0	%100
64	MP5A	Z	-1.715	-1.715	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	3.289	3.289	0	%100
66	MP3B	Z	-1.899	-1.899	0	%100
67	MP5B	X	2.971	2.971	0	%100
68	MP5B	Z	-1.715	-1.715	0	%100
69	MP3C	X	3.289	3.289	0	%100
70	MP3C	Z	-1.899	-1.899	0	%100
71	MP5C	X	2.971	2.971	0	%100
72	MP5C	Z	-1.715	-1.715	0	%100
73	M83	X	2.467	2.467	0	%100
74	M83	Z	-1.425	-1.425	0	%100
75	M84	X	.617	.617	0	%100
76	M84	Z	-.356	-.356	0	%100
77	M85	X	.617	.617	0	%100
78	M85	Z	-.356	-.356	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	3.659	3.659	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	4.018	4.018	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	4.018	4.018	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	1.153	1.153	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	4.018	4.018	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	4.018	4.018	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	4.611	4.611	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	0	0	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	0	0	0	%100
19	M9	X	1.153	1.153	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	2.573	2.573	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	2.573	2.573	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	2.573	2.573	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	2.573	2.573	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M54	X	.915	.915	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	3.122	3.122	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	.781	.781	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	.915	.915	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M56	Z	0	0	0	%100
41	M57	X	.781	.781	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	3.431	3.431	0	%100
44	MP1A	Z	0	0	0	%100
45	MP1B	X	3.431	3.431	0	%100
46	MP1B	Z	0	0	0	%100
47	MP1C	X	3.431	3.431	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2A	X	3.431	3.431	0	%100
50	MP2A	Z	0	0	0	%100
51	MP2B	X	3.431	3.431	0	%100
52	MP2B	Z	0	0	0	%100
53	MP2C	X	3.431	3.431	0	%100
54	MP2C	Z	0	0	0	%100
55	MP4A	X	3.431	3.431	0	%100
56	MP4A	Z	0	0	0	%100
57	MP4B	X	3.431	3.431	0	%100
58	MP4B	Z	0	0	0	%100
59	MP4C	X	3.431	3.431	0	%100
60	MP4C	Z	0	0	0	%100
61	MP3A	X	3.798	3.798	0	%100
62	MP3A	Z	0	0	0	%100
63	MP5A	X	3.431	3.431	0	%100
64	MP5A	Z	0	0	0	%100
65	MP3B	X	3.798	3.798	0	%100
66	MP3B	Z	0	0	0	%100
67	MP5B	X	3.431	3.431	0	%100
68	MP5B	Z	0	0	0	%100
69	MP3C	X	3.798	3.798	0	%100
70	MP3C	Z	0	0	0	%100
71	MP5C	X	3.431	3.431	0	%100
72	MP5C	Z	0	0	0	%100
73	M83	X	2.137	2.137	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	2.137	2.137	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	2.377	2.377	0	%100
2	ASO	Z	1.372	1.372	0	%100
3	M1	X	4.64	4.64	0	%100
4	M1	Z	2.679	2.679	0	%100
5	M2	X	4.64	4.64	0	%100
6	M2	Z	2.679	2.679	0	%100
7	M3	X	2.995	2.995	0	%100
8	M3	Z	1.729	1.729	0	%100
9	M4	X	1.16	1.16	0	%100
10	M4	Z	.67	.67	0	%100
11	M5	X	1.16	1.16	0	%100
12	M5	Z	.67	.67	0	%100
13	M6	X	2.995	2.995	0	%100
14	M6	Z	1.729	1.729	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	M7	X	1.16	1.16	0	%100
16	M7	Z	.67	.67	0	%100
17	M8	X	1.16	1.16	0	%100
18	M8	Z	.67	.67	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	.743	.743	0	%100
22	M17	Z	.429	.429	0	%100
23	M18	X	2.971	2.971	0	%100
24	M18	Z	1.715	1.715	0	%100
25	M19	X	.743	.743	0	%100
26	M19	Z	.429	.429	0	%100
27	M26	X	2.971	2.971	0	%100
28	M26	Z	1.715	1.715	0	%100
29	M27	X	.743	.743	0	%100
30	M27	Z	.429	.429	0	%100
31	M28	X	.743	.743	0	%100
32	M28	Z	.429	.429	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	2.028	2.028	0	%100
36	M55	Z	1.171	1.171	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	2.377	2.377	0	%100
40	M56	Z	1.372	1.372	0	%100
41	M57	X	2.028	2.028	0	%100
42	M57	Z	1.171	1.171	0	%100
43	MP1A	X	2.971	2.971	0	%100
44	MP1A	Z	1.715	1.715	0	%100
45	MP1B	X	2.971	2.971	0	%100
46	MP1B	Z	1.715	1.715	0	%100
47	MP1C	X	2.971	2.971	0	%100
48	MP1C	Z	1.715	1.715	0	%100
49	MP2A	X	2.971	2.971	0	%100
50	MP2A	Z	1.715	1.715	0	%100
51	MP2B	X	2.971	2.971	0	%100
52	MP2B	Z	1.715	1.715	0	%100
53	MP2C	X	2.971	2.971	0	%100
54	MP2C	Z	1.715	1.715	0	%100
55	MP4A	X	2.971	2.971	0	%100
56	MP4A	Z	1.715	1.715	0	%100
57	MP4B	X	2.971	2.971	0	%100
58	MP4B	Z	1.715	1.715	0	%100
59	MP4C	X	2.971	2.971	0	%100
60	MP4C	Z	1.715	1.715	0	%100
61	MP3A	X	3.289	3.289	0	%100
62	MP3A	Z	1.899	1.899	0	%100
63	MP5A	X	2.971	2.971	0	%100
64	MP5A	Z	1.715	1.715	0	%100
65	MP3B	X	3.289	3.289	0	%100
66	MP3B	Z	1.899	1.899	0	%100
67	MP5B	X	2.971	2.971	0	%100
68	MP5B	Z	1.715	1.715	0	%100
69	MP3C	X	3.289	3.289	0	%100
70	MP3C	Z	1.899	1.899	0	%100
71	MP5C	X	2.971	2.971	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	MP5C	Z	1.715	1.715	0	%100
73	M83	X	.617	.617	0	%100
74	M83	Z	.356	.356	0	%100
75	M84	X	2.467	2.467	0	%100
76	M84	Z	1.425	1.425	0	%100
77	M85	X	.617	.617	0	%100
78	M85	Z	.356	.356	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	.457	.457	0	%100
2	ASO	Z	.792	.792	0	%100
3	M1	X	2.009	2.009	0	%100
4	M1	Z	3.48	3.48	0	%100
5	M2	X	2.009	2.009	0	%100
6	M2	Z	3.48	3.48	0	%100
7	M3	X	2.306	2.306	0	%100
8	M3	Z	3.993	3.993	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	.576	.576	0	%100
14	M6	Z	.998	.998	0	%100
15	M7	X	2.009	2.009	0	%100
16	M7	Z	3.48	3.48	0	%100
17	M8	X	2.009	2.009	0	%100
18	M8	Z	3.48	3.48	0	%100
19	M9	X	.576	.576	0	%100
20	M9	Z	.998	.998	0	%100
21	M17	X	1.286	1.286	0	%100
22	M17	Z	2.228	2.228	0	%100
23	M18	X	1.286	1.286	0	%100
24	M18	Z	2.228	2.228	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	1.286	1.286	0	%100
28	M26	Z	2.228	2.228	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	1.286	1.286	0	%100
32	M28	Z	2.228	2.228	0	%100
33	M54	X	.457	.457	0	%100
34	M54	Z	.792	.792	0	%100
35	M55	X	.39	.39	0	%100
36	M55	Z	.676	.676	0	%100
37	M55A	X	.39	.39	0	%100
38	M55A	Z	.676	.676	0	%100
39	M56	X	1.83	1.83	0	%100
40	M56	Z	3.169	3.169	0	%100
41	M57	X	1.561	1.561	0	%100
42	M57	Z	2.704	2.704	0	%100
43	MP1A	X	1.715	1.715	0	%100
44	MP1A	Z	2.971	2.971	0	%100
45	MP1B	X	1.715	1.715	0	%100
46	MP1B	Z	2.971	2.971	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	MP1C	X	1.715	1.715	0	%100
48	MP1C	Z	2.971	2.971	0	%100
49	MP2A	X	1.715	1.715	0	%100
50	MP2A	Z	2.971	2.971	0	%100
51	MP2B	X	1.715	1.715	0	%100
52	MP2B	Z	2.971	2.971	0	%100
53	MP2C	X	1.715	1.715	0	%100
54	MP2C	Z	2.971	2.971	0	%100
55	MP4A	X	1.715	1.715	0	%100
56	MP4A	Z	2.971	2.971	0	%100
57	MP4B	X	1.715	1.715	0	%100
58	MP4B	Z	2.971	2.971	0	%100
59	MP4C	X	1.715	1.715	0	%100
60	MP4C	Z	2.971	2.971	0	%100
61	MP3A	X	1.899	1.899	0	%100
62	MP3A	Z	3.289	3.289	0	%100
63	MP5A	X	1.715	1.715	0	%100
64	MP5A	Z	2.971	2.971	0	%100
65	MP3B	X	1.899	1.899	0	%100
66	MP3B	Z	3.289	3.289	0	%100
67	MP5B	X	1.715	1.715	0	%100
68	MP5B	Z	2.971	2.971	0	%100
69	MP3C	X	1.899	1.899	0	%100
70	MP3C	Z	3.289	3.289	0	%100
71	MP5C	X	1.715	1.715	0	%100
72	MP5C	Z	2.971	2.971	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	1.068	1.068	0	%100
76	M84	Z	1.851	1.851	0	%100
77	M85	X	1.068	1.068	0	%100
78	M85	Z	1.851	1.851	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	0	0	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	1.339	1.339	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	1.339	1.339	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	3.458	3.458	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	1.339	1.339	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	1.339	1.339	0	%100
13	M6	X	0	0	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	5.358	5.358	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	5.358	5.358	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	3.458	3.458	0	%100
21	M17	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M17	Z	3.431	3.431	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	.858	.858	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	.858	.858	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.858	.858	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.858	.858	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	3.431	3.431	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	2.744	2.744	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	2.342	2.342	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	2.744	2.744	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	2.342	2.342	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	3.431	3.431	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	3.431	3.431	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	3.431	3.431	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	3.431	3.431	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	3.431	3.431	0	%100
53	MP2C	X	0	0	0	%100
54	MP2C	Z	3.431	3.431	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	3.431	3.431	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	3.431	3.431	0	%100
59	MP4C	X	0	0	0	%100
60	MP4C	Z	3.431	3.431	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	3.798	3.798	0	%100
63	MP5A	X	0	0	0	%100
64	MP5A	Z	3.431	3.431	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	3.798	3.798	0	%100
67	MP5B	X	0	0	0	%100
68	MP5B	Z	3.431	3.431	0	%100
69	MP3C	X	0	0	0	%100
70	MP3C	Z	3.798	3.798	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	3.431	3.431	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	.712	.712	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	.712	.712	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	2.849	2.849	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-.457	-.457	0	%100
2	ASO	Z	.792	.792	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-.576	-.576	0	%100
8	M3	Z	.998	.998	0	%100
9	M4	X	-2.009	-2.009	0	%100
10	M4	Z	3.48	3.48	0	%100
11	M5	X	-2.009	-2.009	0	%100
12	M5	Z	3.48	3.48	0	%100
13	M6	X	-.576	-.576	0	%100
14	M6	Z	.998	.998	0	%100
15	M7	X	-2.009	-2.009	0	%100
16	M7	Z	3.48	3.48	0	%100
17	M8	X	-2.009	-2.009	0	%100
18	M8	Z	3.48	3.48	0	%100
19	M9	X	-2.306	-2.306	0	%100
20	M9	Z	3.993	3.993	0	%100
21	M17	X	-1.286	-1.286	0	%100
22	M17	Z	2.228	2.228	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	-1.286	-1.286	0	%100
26	M19	Z	2.228	2.228	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-1.286	-1.286	0	%100
30	M27	Z	2.228	2.228	0	%100
31	M28	X	-1.286	-1.286	0	%100
32	M28	Z	2.228	2.228	0	%100
33	M54	X	-1.83	-1.83	0	%100
34	M54	Z	3.169	3.169	0	%100
35	M55	X	-.39	-.39	0	%100
36	M55	Z	.676	.676	0	%100
37	M55A	X	-1.561	-1.561	0	%100
38	M55A	Z	2.704	2.704	0	%100
39	M56	X	-.457	-.457	0	%100
40	M56	Z	.792	.792	0	%100
41	M57	X	-.39	-.39	0	%100
42	M57	Z	.676	.676	0	%100
43	MP1A	X	-1.715	-1.715	0	%100
44	MP1A	Z	2.971	2.971	0	%100
45	MP1B	X	-1.715	-1.715	0	%100
46	MP1B	Z	2.971	2.971	0	%100
47	MP1C	X	-1.715	-1.715	0	%100
48	MP1C	Z	2.971	2.971	0	%100
49	MP2A	X	-1.715	-1.715	0	%100
50	MP2A	Z	2.971	2.971	0	%100
51	MP2B	X	-1.715	-1.715	0	%100
52	MP2B	Z	2.971	2.971	0	%100
53	MP2C	X	-1.715	-1.715	0	%100
54	MP2C	Z	2.971	2.971	0	%100
55	MP4A	X	-1.715	-1.715	0	%100
56	MP4A	Z	2.971	2.971	0	%100
57	MP4B	X	-1.715	-1.715	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP4B	Z	2.971	2.971	0	%100
59	MP4C	X	-1.715	-1.715	0	%100
60	MP4C	Z	2.971	2.971	0	%100
61	MP3A	X	-1.899	-1.899	0	%100
62	MP3A	Z	3.289	3.289	0	%100
63	MP5A	X	-1.715	-1.715	0	%100
64	MP5A	Z	2.971	2.971	0	%100
65	MP3B	X	-1.899	-1.899	0	%100
66	MP3B	Z	3.289	3.289	0	%100
67	MP5B	X	-1.715	-1.715	0	%100
68	MP5B	Z	2.971	2.971	0	%100
69	MP3C	X	-1.899	-1.899	0	%100
70	MP3C	Z	3.289	3.289	0	%100
71	MP5C	X	-1.715	-1.715	0	%100
72	MP5C	Z	2.971	2.971	0	%100
73	M83	X	-1.068	-1.068	0	%100
74	M83	Z	1.851	1.851	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	-1.068	-1.068	0	%100
78	M85	Z	1.851	1.851	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-2.377	-2.377	0	%100
2	ASO	Z	1.372	1.372	0	%100
3	M1	X	-1.16	-1.16	0	%100
4	M1	Z	.67	.67	0	%100
5	M2	X	-1.16	-1.16	0	%100
6	M2	Z	.67	.67	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	-4.64	-4.64	0	%100
10	M4	Z	2.679	2.679	0	%100
11	M5	X	-4.64	-4.64	0	%100
12	M5	Z	2.679	2.679	0	%100
13	M6	X	-2.995	-2.995	0	%100
14	M6	Z	1.729	1.729	0	%100
15	M7	X	-1.16	-1.16	0	%100
16	M7	Z	.67	.67	0	%100
17	M8	X	-1.16	-1.16	0	%100
18	M8	Z	.67	.67	0	%100
19	M9	X	-2.995	-2.995	0	%100
20	M9	Z	1.729	1.729	0	%100
21	M17	X	-.743	-.743	0	%100
22	M17	Z	.429	.429	0	%100
23	M18	X	-.743	-.743	0	%100
24	M18	Z	.429	.429	0	%100
25	M19	X	-2.971	-2.971	0	%100
26	M19	Z	1.715	1.715	0	%100
27	M26	X	-.743	-.743	0	%100
28	M26	Z	.429	.429	0	%100
29	M27	X	-2.971	-2.971	0	%100
30	M27	Z	1.715	1.715	0	%100
31	M28	X	-.743	-.743	0	%100
32	M28	Z	.429	.429	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M54	X	-2.377	-2.377	0	%100
34	M54	Z	1.372	1.372	0	%100
35	M55	X	-2.028	-2.028	0	%100
36	M55	Z	1.171	1.171	0	%100
37	M55A	X	-2.028	-2.028	0	%100
38	M55A	Z	1.171	1.171	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	-2.971	-2.971	0	%100
44	MP1A	Z	1.715	1.715	0	%100
45	MP1B	X	-2.971	-2.971	0	%100
46	MP1B	Z	1.715	1.715	0	%100
47	MP1C	X	-2.971	-2.971	0	%100
48	MP1C	Z	1.715	1.715	0	%100
49	MP2A	X	-2.971	-2.971	0	%100
50	MP2A	Z	1.715	1.715	0	%100
51	MP2B	X	-2.971	-2.971	0	%100
52	MP2B	Z	1.715	1.715	0	%100
53	MP2C	X	-2.971	-2.971	0	%100
54	MP2C	Z	1.715	1.715	0	%100
55	MP4A	X	-2.971	-2.971	0	%100
56	MP4A	Z	1.715	1.715	0	%100
57	MP4B	X	-2.971	-2.971	0	%100
58	MP4B	Z	1.715	1.715	0	%100
59	MP4C	X	-2.971	-2.971	0	%100
60	MP4C	Z	1.715	1.715	0	%100
61	MP3A	X	-3.289	-3.289	0	%100
62	MP3A	Z	1.899	1.899	0	%100
63	MP5A	X	-2.971	-2.971	0	%100
64	MP5A	Z	1.715	1.715	0	%100
65	MP3B	X	-3.289	-3.289	0	%100
66	MP3B	Z	1.899	1.899	0	%100
67	MP5B	X	-2.971	-2.971	0	%100
68	MP5B	Z	1.715	1.715	0	%100
69	MP3C	X	-3.289	-3.289	0	%100
70	MP3C	Z	1.899	1.899	0	%100
71	MP5C	X	-2.971	-2.971	0	%100
72	MP5C	Z	1.715	1.715	0	%100
73	M83	X	-2.467	-2.467	0	%100
74	M83	Z	1.425	1.425	0	%100
75	M84	X	-.617	-.617	0	%100
76	M84	Z	.356	.356	0	%100
77	M85	X	-.617	-.617	0	%100
78	M85	Z	.356	.356	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-3.659	-3.659	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	-4.018	-4.018	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	-4.018	-4.018	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-1.153	-1.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M3	Z	0	0	0	%100
9	M4	X	-4.018	-4.018	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	-4.018	-4.018	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	-4.611	-4.611	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	0	0	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	0	0	0	%100
19	M9	X	-1.153	-1.153	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	-2.573	-2.573	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	-2.573	-2.573	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	-2.573	-2.573	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-2.573	-2.573	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M54	X	-.915	-.915	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	-3.122	-3.122	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	-.781	-.781	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	-.915	-.915	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-.781	-.781	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	-3.431	-3.431	0	%100
44	MP1A	Z	0	0	0	%100
45	MP1B	X	-3.431	-3.431	0	%100
46	MP1B	Z	0	0	0	%100
47	MP1C	X	-3.431	-3.431	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2A	X	-3.431	-3.431	0	%100
50	MP2A	Z	0	0	0	%100
51	MP2B	X	-3.431	-3.431	0	%100
52	MP2B	Z	0	0	0	%100
53	MP2C	X	-3.431	-3.431	0	%100
54	MP2C	Z	0	0	0	%100
55	MP4A	X	-3.431	-3.431	0	%100
56	MP4A	Z	0	0	0	%100
57	MP4B	X	-3.431	-3.431	0	%100
58	MP4B	Z	0	0	0	%100
59	MP4C	X	-3.431	-3.431	0	%100
60	MP4C	Z	0	0	0	%100
61	MP3A	X	-3.798	-3.798	0	%100
62	MP3A	Z	0	0	0	%100
63	MP5A	X	-3.431	-3.431	0	%100
64	MP5A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	-3.798	-3.798	0	%100
66	MP3B	Z	0	0	0	%100
67	MP5B	X	-3.431	-3.431	0	%100
68	MP5B	Z	0	0	0	%100
69	MP3C	X	-3.798	-3.798	0	%100
70	MP3C	Z	0	0	0	%100
71	MP5C	X	-3.431	-3.431	0	%100
72	MP5C	Z	0	0	0	%100
73	M83	X	-2.137	-2.137	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-2.137	-2.137	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-2.377	-2.377	0	%100
2	ASO	Z	-1.372	-1.372	0	%100
3	M1	X	-4.64	-4.64	0	%100
4	M1	Z	-2.679	-2.679	0	%100
5	M2	X	-4.64	-4.64	0	%100
6	M2	Z	-2.679	-2.679	0	%100
7	M3	X	-2.995	-2.995	0	%100
8	M3	Z	-1.729	-1.729	0	%100
9	M4	X	-1.16	-1.16	0	%100
10	M4	Z	-.67	-.67	0	%100
11	M5	X	-1.16	-1.16	0	%100
12	M5	Z	-.67	-.67	0	%100
13	M6	X	-2.995	-2.995	0	%100
14	M6	Z	-1.729	-1.729	0	%100
15	M7	X	-1.16	-1.16	0	%100
16	M7	Z	-.67	-.67	0	%100
17	M8	X	-1.16	-1.16	0	%100
18	M8	Z	-.67	-.67	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	-.743	-.743	0	%100
22	M17	Z	-.429	-.429	0	%100
23	M18	X	-2.971	-2.971	0	%100
24	M18	Z	-1.715	-1.715	0	%100
25	M19	X	-.743	-.743	0	%100
26	M19	Z	-.429	-.429	0	%100
27	M26	X	-2.971	-2.971	0	%100
28	M26	Z	-1.715	-1.715	0	%100
29	M27	X	-.743	-.743	0	%100
30	M27	Z	-.429	-.429	0	%100
31	M28	X	-.743	-.743	0	%100
32	M28	Z	-.429	-.429	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	-2.028	-2.028	0	%100
36	M55	Z	-1.171	-1.171	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	-2.377	-2.377	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M56	Z	-1.372	-1.372	0	%100
41	M57	X	-2.028	-2.028	0	%100
42	M57	Z	-1.171	-1.171	0	%100
43	MP1A	X	-2.971	-2.971	0	%100
44	MP1A	Z	-1.715	-1.715	0	%100
45	MP1B	X	-2.971	-2.971	0	%100
46	MP1B	Z	-1.715	-1.715	0	%100
47	MP1C	X	-2.971	-2.971	0	%100
48	MP1C	Z	-1.715	-1.715	0	%100
49	MP2A	X	-2.971	-2.971	0	%100
50	MP2A	Z	-1.715	-1.715	0	%100
51	MP2B	X	-2.971	-2.971	0	%100
52	MP2B	Z	-1.715	-1.715	0	%100
53	MP2C	X	-2.971	-2.971	0	%100
54	MP2C	Z	-1.715	-1.715	0	%100
55	MP4A	X	-2.971	-2.971	0	%100
56	MP4A	Z	-1.715	-1.715	0	%100
57	MP4B	X	-2.971	-2.971	0	%100
58	MP4B	Z	-1.715	-1.715	0	%100
59	MP4C	X	-2.971	-2.971	0	%100
60	MP4C	Z	-1.715	-1.715	0	%100
61	MP3A	X	-3.289	-3.289	0	%100
62	MP3A	Z	-1.899	-1.899	0	%100
63	MP5A	X	-2.971	-2.971	0	%100
64	MP5A	Z	-1.715	-1.715	0	%100
65	MP3B	X	-3.289	-3.289	0	%100
66	MP3B	Z	-1.899	-1.899	0	%100
67	MP5B	X	-2.971	-2.971	0	%100
68	MP5B	Z	-1.715	-1.715	0	%100
69	MP3C	X	-3.289	-3.289	0	%100
70	MP3C	Z	-1.899	-1.899	0	%100
71	MP5C	X	-2.971	-2.971	0	%100
72	MP5C	Z	-1.715	-1.715	0	%100
73	M83	X	-.617	-.617	0	%100
74	M83	Z	-.356	-.356	0	%100
75	M84	X	-2.467	-2.467	0	%100
76	M84	Z	-1.425	-1.425	0	%100
77	M85	X	-.617	-.617	0	%100
78	M85	Z	-.356	-.356	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-.457	-.457	0	%100
2	ASO	Z	-.792	-.792	0	%100
3	M1	X	-2.009	-2.009	0	%100
4	M1	Z	-3.48	-3.48	0	%100
5	M2	X	-2.009	-2.009	0	%100
6	M2	Z	-3.48	-3.48	0	%100
7	M3	X	-2.306	-2.306	0	%100
8	M3	Z	-3.993	-3.993	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	-.576	-.576	0	%100
14	M6	Z	-.998	-.998	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	M7	X	-2.009	-2.009	0	%100
16	M7	Z	-3.48	-3.48	0	%100
17	M8	X	-2.009	-2.009	0	%100
18	M8	Z	-3.48	-3.48	0	%100
19	M9	X	-.576	-.576	0	%100
20	M9	Z	-.998	-.998	0	%100
21	M17	X	-1.286	-1.286	0	%100
22	M17	Z	-2.228	-2.228	0	%100
23	M18	X	-1.286	-1.286	0	%100
24	M18	Z	-2.228	-2.228	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	-1.286	-1.286	0	%100
28	M26	Z	-2.228	-2.228	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-1.286	-1.286	0	%100
32	M28	Z	-2.228	-2.228	0	%100
33	M54	X	-.457	-.457	0	%100
34	M54	Z	-.792	-.792	0	%100
35	M55	X	-.39	-.39	0	%100
36	M55	Z	-.676	-.676	0	%100
37	M55A	X	-.39	-.39	0	%100
38	M55A	Z	-.676	-.676	0	%100
39	M56	X	-1.83	-1.83	0	%100
40	M56	Z	-3.169	-3.169	0	%100
41	M57	X	-1.561	-1.561	0	%100
42	M57	Z	-2.704	-2.704	0	%100
43	MP1A	X	-1.715	-1.715	0	%100
44	MP1A	Z	-2.971	-2.971	0	%100
45	MP1B	X	-1.715	-1.715	0	%100
46	MP1B	Z	-2.971	-2.971	0	%100
47	MP1C	X	-1.715	-1.715	0	%100
48	MP1C	Z	-2.971	-2.971	0	%100
49	MP2A	X	-1.715	-1.715	0	%100
50	MP2A	Z	-2.971	-2.971	0	%100
51	MP2B	X	-1.715	-1.715	0	%100
52	MP2B	Z	-2.971	-2.971	0	%100
53	MP2C	X	-1.715	-1.715	0	%100
54	MP2C	Z	-2.971	-2.971	0	%100
55	MP4A	X	-1.715	-1.715	0	%100
56	MP4A	Z	-2.971	-2.971	0	%100
57	MP4B	X	-1.715	-1.715	0	%100
58	MP4B	Z	-2.971	-2.971	0	%100
59	MP4C	X	-1.715	-1.715	0	%100
60	MP4C	Z	-2.971	-2.971	0	%100
61	MP3A	X	-1.899	-1.899	0	%100
62	MP3A	Z	-3.289	-3.289	0	%100
63	MP5A	X	-1.715	-1.715	0	%100
64	MP5A	Z	-2.971	-2.971	0	%100
65	MP3B	X	-1.899	-1.899	0	%100
66	MP3B	Z	-3.289	-3.289	0	%100
67	MP5B	X	-1.715	-1.715	0	%100
68	MP5B	Z	-2.971	-2.971	0	%100
69	MP3C	X	-1.899	-1.899	0	%100
70	MP3C	Z	-3.289	-3.289	0	%100
71	MP5C	X	-1.715	-1.715	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	MP5C	Z	-2.971	-2.971	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-1.068	-1.068	0	%100
76	M84	Z	-1.851	-1.851	0	%100
77	M85	X	-1.068	-1.068	0	%100
78	M85	Z	-1.851	-1.851	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	0	0	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	-.33	-.33	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	-.33	-.33	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	-.832	-.832	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	-.33	-.33	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	-.33	-.33	0	%100
13	M6	X	0	0	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	-1.322	-1.322	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	-1.322	-1.322	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	-.832	-.832	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-.628	-.628	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-.157	-.157	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	-.157	-.157	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.157	-.157	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.157	-.157	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.628	-.628	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	-.655	-.655	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	-.562	-.562	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	-.655	-.655	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	-.562	-.562	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-.628	-.628	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-.628	-.628	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-.628	-.628	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	-.628	-.628	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	-.628	-.628	0	%100
53	MP2C	X	0	0	0	%100
54	MP2C	Z	-.628	-.628	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-.628	-.628	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	-.628	-.628	0	%100
59	MP4C	X	0	0	0	%100
60	MP4C	Z	-.628	-.628	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-.76	-.76	0	%100
63	MP5A	X	0	0	0	%100
64	MP5A	Z	-.628	-.628	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	-.76	-.76	0	%100
67	MP5B	X	0	0	0	%100
68	MP5B	Z	-.628	-.628	0	%100
69	MP3C	X	0	0	0	%100
70	MP3C	Z	-.76	-.76	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	-.628	-.628	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	-.167	-.167	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	-.167	-.167	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	-.666	-.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	.109	.109	0	%100
2	ASO	Z	-.189	-.189	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	.139	.139	0	%100
8	M3	Z	-.24	-.24	0	%100
9	M4	X	.496	.496	0	%100
10	M4	Z	-.858	-.858	0	%100
11	M5	X	.496	.496	0	%100
12	M5	Z	-.858	-.858	0	%100
13	M6	X	.139	.139	0	%100
14	M6	Z	-.24	-.24	0	%100
15	M7	X	.496	.496	0	%100
16	M7	Z	-.858	-.858	0	%100
17	M8	X	.496	.496	0	%100
18	M8	Z	-.858	-.858	0	%100
19	M9	X	.554	.554	0	%100
20	M9	Z	-.96	-.96	0	%100
21	M17	X	.235	.235	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M17	Z	-.408	-.408	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	.235	.235	0	%100
26	M19	Z	-.408	-.408	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.235	.235	0	%100
30	M27	Z	-.408	-.408	0	%100
31	M28	X	.235	.235	0	%100
32	M28	Z	-.408	-.408	0	%100
33	M54	X	.437	.437	0	%100
34	M54	Z	-.757	-.757	0	%100
35	M55	X	.094	.094	0	%100
36	M55	Z	-.162	-.162	0	%100
37	M55A	X	.374	.374	0	%100
38	M55A	Z	-.649	-.649	0	%100
39	M56	X	.109	.109	0	%100
40	M56	Z	-.189	-.189	0	%100
41	M57	X	.094	.094	0	%100
42	M57	Z	-.162	-.162	0	%100
43	MP1A	X	.314	.314	0	%100
44	MP1A	Z	-.544	-.544	0	%100
45	MP1B	X	.314	.314	0	%100
46	MP1B	Z	-.544	-.544	0	%100
47	MP1C	X	.314	.314	0	%100
48	MP1C	Z	-.544	-.544	0	%100
49	MP2A	X	.314	.314	0	%100
50	MP2A	Z	-.544	-.544	0	%100
51	MP2B	X	.314	.314	0	%100
52	MP2B	Z	-.544	-.544	0	%100
53	MP2C	X	.314	.314	0	%100
54	MP2C	Z	-.544	-.544	0	%100
55	MP4A	X	.314	.314	0	%100
56	MP4A	Z	-.544	-.544	0	%100
57	MP4B	X	.314	.314	0	%100
58	MP4B	Z	-.544	-.544	0	%100
59	MP4C	X	.314	.314	0	%100
60	MP4C	Z	-.544	-.544	0	%100
61	MP3A	X	.38	.38	0	%100
62	MP3A	Z	-.658	-.658	0	%100
63	MP5A	X	.314	.314	0	%100
64	MP5A	Z	-.544	-.544	0	%100
65	MP3B	X	.38	.38	0	%100
66	MP3B	Z	-.658	-.658	0	%100
67	MP5B	X	.314	.314	0	%100
68	MP5B	Z	-.544	-.544	0	%100
69	MP3C	X	.38	.38	0	%100
70	MP3C	Z	-.658	-.658	0	%100
71	MP5C	X	.314	.314	0	%100
72	MP5C	Z	-.544	-.544	0	%100
73	M83	X	.25	.25	0	%100
74	M83	Z	-.433	-.433	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	.25	.25	0	%100
78	M85	Z	-.433	-.433	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	.568	.568	0	%100
2	ASO	Z	-.328	-.328	0	%100
3	M1	X	.286	.286	0	%100
4	M1	Z	-.165	-.165	0	%100
5	M2	X	.286	.286	0	%100
6	M2	Z	-.165	-.165	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	1.145	1.145	0	%100
10	M4	Z	-.661	-.661	0	%100
11	M5	X	1.145	1.145	0	%100
12	M5	Z	-.661	-.661	0	%100
13	M6	X	.72	.72	0	%100
14	M6	Z	-.416	-.416	0	%100
15	M7	X	.286	.286	0	%100
16	M7	Z	-.165	-.165	0	%100
17	M8	X	.286	.286	0	%100
18	M8	Z	-.165	-.165	0	%100
19	M9	X	.72	.72	0	%100
20	M9	Z	-.416	-.416	0	%100
21	M17	X	.136	.136	0	%100
22	M17	Z	-.078	-.078	0	%100
23	M18	X	.136	.136	0	%100
24	M18	Z	-.078	-.078	0	%100
25	M19	X	.544	.544	0	%100
26	M19	Z	-.314	-.314	0	%100
27	M26	X	.136	.136	0	%100
28	M26	Z	-.078	-.078	0	%100
29	M27	X	.544	.544	0	%100
30	M27	Z	-.314	-.314	0	%100
31	M28	X	.136	.136	0	%100
32	M28	Z	-.078	-.078	0	%100
33	M54	X	.568	.568	0	%100
34	M54	Z	-.328	-.328	0	%100
35	M55	X	.486	.486	0	%100
36	M55	Z	-.281	-.281	0	%100
37	M55A	X	.486	.486	0	%100
38	M55A	Z	-.281	-.281	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	.544	.544	0	%100
44	MP1A	Z	-.314	-.314	0	%100
45	MP1B	X	.544	.544	0	%100
46	MP1B	Z	-.314	-.314	0	%100
47	MP1C	X	.544	.544	0	%100
48	MP1C	Z	-.314	-.314	0	%100
49	MP2A	X	.544	.544	0	%100
50	MP2A	Z	-.314	-.314	0	%100
51	MP2B	X	.544	.544	0	%100
52	MP2B	Z	-.314	-.314	0	%100
53	MP2C	X	.544	.544	0	%100
54	MP2C	Z	-.314	-.314	0	%100
55	MP4A	X	.544	.544	0	%100
56	MP4A	Z	-.314	-.314	0	%100
57	MP4B	X	.544	.544	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP4B	Z	-.314	-.314	0	%100
59	MP4C	X	.544	.544	0	%100
60	MP4C	Z	-.314	-.314	0	%100
61	MP3A	X	.658	.658	0	%100
62	MP3A	Z	-.38	-.38	0	%100
63	MP5A	X	.544	.544	0	%100
64	MP5A	Z	-.314	-.314	0	%100
65	MP3B	X	.658	.658	0	%100
66	MP3B	Z	-.38	-.38	0	%100
67	MP5B	X	.544	.544	0	%100
68	MP5B	Z	-.314	-.314	0	%100
69	MP3C	X	.658	.658	0	%100
70	MP3C	Z	-.38	-.38	0	%100
71	MP5C	X	.544	.544	0	%100
72	MP5C	Z	-.314	-.314	0	%100
73	M83	X	.577	.577	0	%100
74	M83	Z	-.333	-.333	0	%100
75	M84	X	.144	.144	0	%100
76	M84	Z	-.083	-.083	0	%100
77	M85	X	.144	.144	0	%100
78	M85	Z	-.083	-.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	.874	.874	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	.991	.991	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	.991	.991	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	.277	.277	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	.991	.991	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	.991	.991	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	1.109	1.109	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	0	0	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	0	0	0	%100
19	M9	X	.277	.277	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	.471	.471	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	.471	.471	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	.471	.471	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.471	.471	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	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,F...	Start Location[ft,%]	End Location[ft,%]
33	M54	X	.218	.218	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	.749	.749	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	.187	.187	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	.218	.218	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	.187	.187	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	.628	.628	0	%100
44	MP1A	Z	0	0	0	%100
45	MP1B	X	.628	.628	0	%100
46	MP1B	Z	0	0	0	%100
47	MP1C	X	.628	.628	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2A	X	.628	.628	0	%100
50	MP2A	Z	0	0	0	%100
51	MP2B	X	.628	.628	0	%100
52	MP2B	Z	0	0	0	%100
53	MP2C	X	.628	.628	0	%100
54	MP2C	Z	0	0	0	%100
55	MP4A	X	.628	.628	0	%100
56	MP4A	Z	0	0	0	%100
57	MP4B	X	.628	.628	0	%100
58	MP4B	Z	0	0	0	%100
59	MP4C	X	.628	.628	0	%100
60	MP4C	Z	0	0	0	%100
61	MP3A	X	.76	.76	0	%100
62	MP3A	Z	0	0	0	%100
63	MP5A	X	.628	.628	0	%100
64	MP5A	Z	0	0	0	%100
65	MP3B	X	.76	.76	0	%100
66	MP3B	Z	0	0	0	%100
67	MP5B	X	.628	.628	0	%100
68	MP5B	Z	0	0	0	%100
69	MP3C	X	.76	.76	0	%100
70	MP3C	Z	0	0	0	%100
71	MP5C	X	.628	.628	0	%100
72	MP5C	Z	0	0	0	%100
73	M83	X	.5	.5	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	.5	.5	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	.568	.568	0	%100
2	ASO	Z	.328	.328	0	%100
3	M1	X	1.145	1.145	0	%100
4	M1	Z	.661	.661	0	%100
5	M2	X	1.145	1.145	0	%100
6	M2	Z	.661	.661	0	%100
7	M3	X	.72	.72	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M3	Z	.416	.416	0	%100
9	M4	X	.286	.286	0	%100
10	M4	Z	.165	.165	0	%100
11	M5	X	.286	.286	0	%100
12	M5	Z	.165	.165	0	%100
13	M6	X	.72	.72	0	%100
14	M6	Z	.416	.416	0	%100
15	M7	X	.286	.286	0	%100
16	M7	Z	.165	.165	0	%100
17	M8	X	.286	.286	0	%100
18	M8	Z	.165	.165	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	.136	.136	0	%100
22	M17	Z	.078	.078	0	%100
23	M18	X	.544	.544	0	%100
24	M18	Z	.314	.314	0	%100
25	M19	X	.136	.136	0	%100
26	M19	Z	.078	.078	0	%100
27	M26	X	.544	.544	0	%100
28	M26	Z	.314	.314	0	%100
29	M27	X	.136	.136	0	%100
30	M27	Z	.078	.078	0	%100
31	M28	X	.136	.136	0	%100
32	M28	Z	.078	.078	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	.486	.486	0	%100
36	M55	Z	.281	.281	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	.568	.568	0	%100
40	M56	Z	.328	.328	0	%100
41	M57	X	.486	.486	0	%100
42	M57	Z	.281	.281	0	%100
43	MP1A	X	.544	.544	0	%100
44	MP1A	Z	.314	.314	0	%100
45	MP1B	X	.544	.544	0	%100
46	MP1B	Z	.314	.314	0	%100
47	MP1C	X	.544	.544	0	%100
48	MP1C	Z	.314	.314	0	%100
49	MP2A	X	.544	.544	0	%100
50	MP2A	Z	.314	.314	0	%100
51	MP2B	X	.544	.544	0	%100
52	MP2B	Z	.314	.314	0	%100
53	MP2C	X	.544	.544	0	%100
54	MP2C	Z	.314	.314	0	%100
55	MP4A	X	.544	.544	0	%100
56	MP4A	Z	.314	.314	0	%100
57	MP4B	X	.544	.544	0	%100
58	MP4B	Z	.314	.314	0	%100
59	MP4C	X	.544	.544	0	%100
60	MP4C	Z	.314	.314	0	%100
61	MP3A	X	.658	.658	0	%100
62	MP3A	Z	.38	.38	0	%100
63	MP5A	X	.544	.544	0	%100
64	MP5A	Z	.314	.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	.658	.658	0	%100
66	MP3B	Z	.38	.38	0	%100
67	MP5B	X	.544	.544	0	%100
68	MP5B	Z	.314	.314	0	%100
69	MP3C	X	.658	.658	0	%100
70	MP3C	Z	.38	.38	0	%100
71	MP5C	X	.544	.544	0	%100
72	MP5C	Z	.314	.314	0	%100
73	M83	X	.144	.144	0	%100
74	M83	Z	.083	.083	0	%100
75	M84	X	.577	.577	0	%100
76	M84	Z	.333	.333	0	%100
77	M85	X	.144	.144	0	%100
78	M85	Z	.083	.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	.109	.109	0	%100
2	ASO	Z	.189	.189	0	%100
3	M1	X	.496	.496	0	%100
4	M1	Z	.858	.858	0	%100
5	M2	X	.496	.496	0	%100
6	M2	Z	.858	.858	0	%100
7	M3	X	.554	.554	0	%100
8	M3	Z	.96	.96	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	.139	.139	0	%100
14	M6	Z	.24	.24	0	%100
15	M7	X	.496	.496	0	%100
16	M7	Z	.858	.858	0	%100
17	M8	X	.496	.496	0	%100
18	M8	Z	.858	.858	0	%100
19	M9	X	.139	.139	0	%100
20	M9	Z	.24	.24	0	%100
21	M17	X	.235	.235	0	%100
22	M17	Z	.408	.408	0	%100
23	M18	X	.235	.235	0	%100
24	M18	Z	.408	.408	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	.235	.235	0	%100
28	M26	Z	.408	.408	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	.235	.235	0	%100
32	M28	Z	.408	.408	0	%100
33	M54	X	.109	.109	0	%100
34	M54	Z	.189	.189	0	%100
35	M55	X	.094	.094	0	%100
36	M55	Z	.162	.162	0	%100
37	M55A	X	.094	.094	0	%100
38	M55A	Z	.162	.162	0	%100
39	M56	X	.437	.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M56	Z	.757	.757	0	%100
41	M57	X	.374	.374	0	%100
42	M57	Z	.649	.649	0	%100
43	MP1A	X	.314	.314	0	%100
44	MP1A	Z	.544	.544	0	%100
45	MP1B	X	.314	.314	0	%100
46	MP1B	Z	.544	.544	0	%100
47	MP1C	X	.314	.314	0	%100
48	MP1C	Z	.544	.544	0	%100
49	MP2A	X	.314	.314	0	%100
50	MP2A	Z	.544	.544	0	%100
51	MP2B	X	.314	.314	0	%100
52	MP2B	Z	.544	.544	0	%100
53	MP2C	X	.314	.314	0	%100
54	MP2C	Z	.544	.544	0	%100
55	MP4A	X	.314	.314	0	%100
56	MP4A	Z	.544	.544	0	%100
57	MP4B	X	.314	.314	0	%100
58	MP4B	Z	.544	.544	0	%100
59	MP4C	X	.314	.314	0	%100
60	MP4C	Z	.544	.544	0	%100
61	MP3A	X	.38	.38	0	%100
62	MP3A	Z	.658	.658	0	%100
63	MP5A	X	.314	.314	0	%100
64	MP5A	Z	.544	.544	0	%100
65	MP3B	X	.38	.38	0	%100
66	MP3B	Z	.658	.658	0	%100
67	MP5B	X	.314	.314	0	%100
68	MP5B	Z	.544	.544	0	%100
69	MP3C	X	.38	.38	0	%100
70	MP3C	Z	.658	.658	0	%100
71	MP5C	X	.314	.314	0	%100
72	MP5C	Z	.544	.544	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	.25	.25	0	%100
76	M84	Z	.433	.433	0	%100
77	M85	X	.25	.25	0	%100
78	M85	Z	.433	.433	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	0	0	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	.33	.33	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	.33	.33	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	.832	.832	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	.33	.33	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	.33	.33	0	%100
13	M6	X	0	0	0	%100
14	M6	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	M7	X	0	0	0	%100
16	M7	Z	1.322	1.322	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	1.322	1.322	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	.832	.832	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	.628	.628	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	.157	.157	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	.157	.157	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.157	.157	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.157	.157	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.628	.628	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	.655	.655	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	.562	.562	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	.655	.655	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	.562	.562	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	.628	.628	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	.628	.628	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	.628	.628	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	.628	.628	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	.628	.628	0	%100
53	MP2C	X	0	0	0	%100
54	MP2C	Z	.628	.628	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	.628	.628	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	.628	.628	0	%100
59	MP4C	X	0	0	0	%100
60	MP4C	Z	.628	.628	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	.76	.76	0	%100
63	MP5A	X	0	0	0	%100
64	MP5A	Z	.628	.628	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	.76	.76	0	%100
67	MP5B	X	0	0	0	%100
68	MP5B	Z	.628	.628	0	%100
69	MP3C	X	0	0	0	%100
70	MP3C	Z	.76	.76	0	%100
71	MP5C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	MP5C	Z	.628	.628	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	.167	.167	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	.167	.167	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	.666	.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-.109	-.109	0	%100
2	ASO	Z	.189	.189	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-.139	-.139	0	%100
8	M3	Z	.24	.24	0	%100
9	M4	X	-.496	-.496	0	%100
10	M4	Z	.858	.858	0	%100
11	M5	X	-.496	-.496	0	%100
12	M5	Z	.858	.858	0	%100
13	M6	X	-.139	-.139	0	%100
14	M6	Z	.24	.24	0	%100
15	M7	X	-.496	-.496	0	%100
16	M7	Z	.858	.858	0	%100
17	M8	X	-.496	-.496	0	%100
18	M8	Z	.858	.858	0	%100
19	M9	X	-.554	-.554	0	%100
20	M9	Z	.96	.96	0	%100
21	M17	X	-.235	-.235	0	%100
22	M17	Z	.408	.408	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	-.235	-.235	0	%100
26	M19	Z	.408	.408	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.235	-.235	0	%100
30	M27	Z	.408	.408	0	%100
31	M28	X	-.235	-.235	0	%100
32	M28	Z	.408	.408	0	%100
33	M54	X	-.437	-.437	0	%100
34	M54	Z	.757	.757	0	%100
35	M55	X	-.094	-.094	0	%100
36	M55	Z	.162	.162	0	%100
37	M55A	X	-.374	-.374	0	%100
38	M55A	Z	.649	.649	0	%100
39	M56	X	-.109	-.109	0	%100
40	M56	Z	.189	.189	0	%100
41	M57	X	-.094	-.094	0	%100
42	M57	Z	.162	.162	0	%100
43	MP1A	X	-.314	-.314	0	%100
44	MP1A	Z	.544	.544	0	%100
45	MP1B	X	-.314	-.314	0	%100
46	MP1B	Z	.544	.544	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	MP1C	X	-.314	-.314	0	%100
48	MP1C	Z	.544	.544	0	%100
49	MP2A	X	-.314	-.314	0	%100
50	MP2A	Z	.544	.544	0	%100
51	MP2B	X	-.314	-.314	0	%100
52	MP2B	Z	.544	.544	0	%100
53	MP2C	X	-.314	-.314	0	%100
54	MP2C	Z	.544	.544	0	%100
55	MP4A	X	-.314	-.314	0	%100
56	MP4A	Z	.544	.544	0	%100
57	MP4B	X	-.314	-.314	0	%100
58	MP4B	Z	.544	.544	0	%100
59	MP4C	X	-.314	-.314	0	%100
60	MP4C	Z	.544	.544	0	%100
61	MP3A	X	-.38	-.38	0	%100
62	MP3A	Z	.658	.658	0	%100
63	MP5A	X	-.314	-.314	0	%100
64	MP5A	Z	.544	.544	0	%100
65	MP3B	X	-.38	-.38	0	%100
66	MP3B	Z	.658	.658	0	%100
67	MP5B	X	-.314	-.314	0	%100
68	MP5B	Z	.544	.544	0	%100
69	MP3C	X	-.38	-.38	0	%100
70	MP3C	Z	.658	.658	0	%100
71	MP5C	X	-.314	-.314	0	%100
72	MP5C	Z	.544	.544	0	%100
73	M83	X	-.25	-.25	0	%100
74	M83	Z	.433	.433	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	-.25	-.25	0	%100
78	M85	Z	.433	.433	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-.568	-.568	0	%100
2	ASO	Z	.328	.328	0	%100
3	M1	X	-.286	-.286	0	%100
4	M1	Z	.165	.165	0	%100
5	M2	X	-.286	-.286	0	%100
6	M2	Z	.165	.165	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	-1.145	-1.145	0	%100
10	M4	Z	.661	.661	0	%100
11	M5	X	-1.145	-1.145	0	%100
12	M5	Z	.661	.661	0	%100
13	M6	X	-.72	-.72	0	%100
14	M6	Z	.416	.416	0	%100
15	M7	X	-.286	-.286	0	%100
16	M7	Z	.165	.165	0	%100
17	M8	X	-.286	-.286	0	%100
18	M8	Z	.165	.165	0	%100
19	M9	X	-.72	-.72	0	%100
20	M9	Z	.416	.416	0	%100
21	M17	X	-.136	-.136	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M17	Z	.078	.078	0	%100
23	M18	X	-.136	-.136	0	%100
24	M18	Z	.078	.078	0	%100
25	M19	X	-.544	-.544	0	%100
26	M19	Z	.314	.314	0	%100
27	M26	X	-.136	-.136	0	%100
28	M26	Z	.078	.078	0	%100
29	M27	X	-.544	-.544	0	%100
30	M27	Z	.314	.314	0	%100
31	M28	X	-.136	-.136	0	%100
32	M28	Z	.078	.078	0	%100
33	M54	X	-.568	-.568	0	%100
34	M54	Z	.328	.328	0	%100
35	M55	X	-.486	-.486	0	%100
36	M55	Z	.281	.281	0	%100
37	M55A	X	-.486	-.486	0	%100
38	M55A	Z	.281	.281	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	-.544	-.544	0	%100
44	MP1A	Z	.314	.314	0	%100
45	MP1B	X	-.544	-.544	0	%100
46	MP1B	Z	.314	.314	0	%100
47	MP1C	X	-.544	-.544	0	%100
48	MP1C	Z	.314	.314	0	%100
49	MP2A	X	-.544	-.544	0	%100
50	MP2A	Z	.314	.314	0	%100
51	MP2B	X	-.544	-.544	0	%100
52	MP2B	Z	.314	.314	0	%100
53	MP2C	X	-.544	-.544	0	%100
54	MP2C	Z	.314	.314	0	%100
55	MP4A	X	-.544	-.544	0	%100
56	MP4A	Z	.314	.314	0	%100
57	MP4B	X	-.544	-.544	0	%100
58	MP4B	Z	.314	.314	0	%100
59	MP4C	X	-.544	-.544	0	%100
60	MP4C	Z	.314	.314	0	%100
61	MP3A	X	-.658	-.658	0	%100
62	MP3A	Z	.38	.38	0	%100
63	MP5A	X	-.544	-.544	0	%100
64	MP5A	Z	.314	.314	0	%100
65	MP3B	X	-.658	-.658	0	%100
66	MP3B	Z	.38	.38	0	%100
67	MP5B	X	-.544	-.544	0	%100
68	MP5B	Z	.314	.314	0	%100
69	MP3C	X	-.658	-.658	0	%100
70	MP3C	Z	.38	.38	0	%100
71	MP5C	X	-.544	-.544	0	%100
72	MP5C	Z	.314	.314	0	%100
73	M83	X	-.577	-.577	0	%100
74	M83	Z	.333	.333	0	%100
75	M84	X	-.144	-.144	0	%100
76	M84	Z	.083	.083	0	%100
77	M85	X	-.144	-.144	0	%100
78	M85	Z	.083	.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-.874	-.874	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	-.991	-.991	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	-.991	-.991	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-.277	-.277	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	-.991	-.991	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	-.991	-.991	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	-1.109	-1.109	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	0	0	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	0	0	0	%100
19	M9	X	-.277	-.277	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	-.471	-.471	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	-.471	-.471	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	-.471	-.471	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.471	-.471	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M54	X	-.218	-.218	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	-.749	-.749	0	%100
36	M55	Z	0	0	0	%100
37	M55A	X	-.187	-.187	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	-.218	-.218	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-.187	-.187	0	%100
42	M57	Z	0	0	0	%100
43	MP1A	X	-.628	-.628	0	%100
44	MP1A	Z	0	0	0	%100
45	MP1B	X	-.628	-.628	0	%100
46	MP1B	Z	0	0	0	%100
47	MP1C	X	-.628	-.628	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2A	X	-.628	-.628	0	%100
50	MP2A	Z	0	0	0	%100
51	MP2B	X	-.628	-.628	0	%100
52	MP2B	Z	0	0	0	%100
53	MP2C	X	-.628	-.628	0	%100
54	MP2C	Z	0	0	0	%100
55	MP4A	X	-.628	-.628	0	%100
56	MP4A	Z	0	0	0	%100
57	MP4B	X	-.628	-.628	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP4B	Z	0	0	0	%100
59	MP4C	X	-.628	-.628	0	%100
60	MP4C	Z	0	0	0	%100
61	MP3A	X	-.76	-.76	0	%100
62	MP3A	Z	0	0	0	%100
63	MP5A	X	-.628	-.628	0	%100
64	MP5A	Z	0	0	0	%100
65	MP3B	X	-.76	-.76	0	%100
66	MP3B	Z	0	0	0	%100
67	MP5B	X	-.628	-.628	0	%100
68	MP5B	Z	0	0	0	%100
69	MP3C	X	-.76	-.76	0	%100
70	MP3C	Z	0	0	0	%100
71	MP5C	X	-.628	-.628	0	%100
72	MP5C	Z	0	0	0	%100
73	M83	X	-.5	-.5	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-.5	-.5	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-.568	-.568	0	%100
2	ASO	Z	-.328	-.328	0	%100
3	M1	X	-1.145	-1.145	0	%100
4	M1	Z	-.661	-.661	0	%100
5	M2	X	-1.145	-1.145	0	%100
6	M2	Z	-.661	-.661	0	%100
7	M3	X	-.72	-.72	0	%100
8	M3	Z	-.416	-.416	0	%100
9	M4	X	-.286	-.286	0	%100
10	M4	Z	-.165	-.165	0	%100
11	M5	X	-.286	-.286	0	%100
12	M5	Z	-.165	-.165	0	%100
13	M6	X	-.72	-.72	0	%100
14	M6	Z	-.416	-.416	0	%100
15	M7	X	-.286	-.286	0	%100
16	M7	Z	-.165	-.165	0	%100
17	M8	X	-.286	-.286	0	%100
18	M8	Z	-.165	-.165	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	-.136	-.136	0	%100
22	M17	Z	-.078	-.078	0	%100
23	M18	X	-.544	-.544	0	%100
24	M18	Z	-.314	-.314	0	%100
25	M19	X	-.136	-.136	0	%100
26	M19	Z	-.078	-.078	0	%100
27	M26	X	-.544	-.544	0	%100
28	M26	Z	-.314	-.314	0	%100
29	M27	X	-.136	-.136	0	%100
30	M27	Z	-.078	-.078	0	%100
31	M28	X	-.136	-.136	0	%100
32	M28	Z	-.078	-.078	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	-.486	-.486	0	%100
36	M55	Z	-.281	-.281	0	%100
37	M55A	X	0	0	0	%100
38	M55A	Z	0	0	0	%100
39	M56	X	-.568	-.568	0	%100
40	M56	Z	-.328	-.328	0	%100
41	M57	X	-.486	-.486	0	%100
42	M57	Z	-.281	-.281	0	%100
43	MP1A	X	-.544	-.544	0	%100
44	MP1A	Z	-.314	-.314	0	%100
45	MP1B	X	-.544	-.544	0	%100
46	MP1B	Z	-.314	-.314	0	%100
47	MP1C	X	-.544	-.544	0	%100
48	MP1C	Z	-.314	-.314	0	%100
49	MP2A	X	-.544	-.544	0	%100
50	MP2A	Z	-.314	-.314	0	%100
51	MP2B	X	-.544	-.544	0	%100
52	MP2B	Z	-.314	-.314	0	%100
53	MP2C	X	-.544	-.544	0	%100
54	MP2C	Z	-.314	-.314	0	%100
55	MP4A	X	-.544	-.544	0	%100
56	MP4A	Z	-.314	-.314	0	%100
57	MP4B	X	-.544	-.544	0	%100
58	MP4B	Z	-.314	-.314	0	%100
59	MP4C	X	-.544	-.544	0	%100
60	MP4C	Z	-.314	-.314	0	%100
61	MP3A	X	-.658	-.658	0	%100
62	MP3A	Z	-.38	-.38	0	%100
63	MP5A	X	-.544	-.544	0	%100
64	MP5A	Z	-.314	-.314	0	%100
65	MP3B	X	-.658	-.658	0	%100
66	MP3B	Z	-.38	-.38	0	%100
67	MP5B	X	-.544	-.544	0	%100
68	MP5B	Z	-.314	-.314	0	%100
69	MP3C	X	-.658	-.658	0	%100
70	MP3C	Z	-.38	-.38	0	%100
71	MP5C	X	-.544	-.544	0	%100
72	MP5C	Z	-.314	-.314	0	%100
73	M83	X	-.144	-.144	0	%100
74	M83	Z	-.083	-.083	0	%100
75	M84	X	-.577	-.577	0	%100
76	M84	Z	-.333	-.333	0	%100
77	M85	X	-.144	-.144	0	%100
78	M85	Z	-.083	-.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	-.109	-.109	0	%100
2	ASO	Z	-.189	-.189	0	%100
3	M1	X	-.496	-.496	0	%100
4	M1	Z	-.858	-.858	0	%100
5	M2	X	-.496	-.496	0	%100
6	M2	Z	-.858	-.858	0	%100
7	M3	X	-.554	-.554	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M3	Z	-.96	-.96	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	-.139	-.139	0	%100
14	M6	Z	-.24	-.24	0	%100
15	M7	X	-.496	-.496	0	%100
16	M7	Z	-.858	-.858	0	%100
17	M8	X	-.496	-.496	0	%100
18	M8	Z	-.858	-.858	0	%100
19	M9	X	-.139	-.139	0	%100
20	M9	Z	-.24	-.24	0	%100
21	M17	X	-.235	-.235	0	%100
22	M17	Z	-.408	-.408	0	%100
23	M18	X	-.235	-.235	0	%100
24	M18	Z	-.408	-.408	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M26	X	-.235	-.235	0	%100
28	M26	Z	-.408	-.408	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-.235	-.235	0	%100
32	M28	Z	-.408	-.408	0	%100
33	M54	X	-.109	-.109	0	%100
34	M54	Z	-.189	-.189	0	%100
35	M55	X	-.094	-.094	0	%100
36	M55	Z	-.162	-.162	0	%100
37	M55A	X	-.094	-.094	0	%100
38	M55A	Z	-.162	-.162	0	%100
39	M56	X	-.437	-.437	0	%100
40	M56	Z	-.757	-.757	0	%100
41	M57	X	-.374	-.374	0	%100
42	M57	Z	-.649	-.649	0	%100
43	MP1A	X	-.314	-.314	0	%100
44	MP1A	Z	-.544	-.544	0	%100
45	MP1B	X	-.314	-.314	0	%100
46	MP1B	Z	-.544	-.544	0	%100
47	MP1C	X	-.314	-.314	0	%100
48	MP1C	Z	-.544	-.544	0	%100
49	MP2A	X	-.314	-.314	0	%100
50	MP2A	Z	-.544	-.544	0	%100
51	MP2B	X	-.314	-.314	0	%100
52	MP2B	Z	-.544	-.544	0	%100
53	MP2C	X	-.314	-.314	0	%100
54	MP2C	Z	-.544	-.544	0	%100
55	MP4A	X	-.314	-.314	0	%100
56	MP4A	Z	-.544	-.544	0	%100
57	MP4B	X	-.314	-.314	0	%100
58	MP4B	Z	-.544	-.544	0	%100
59	MP4C	X	-.314	-.314	0	%100
60	MP4C	Z	-.544	-.544	0	%100
61	MP3A	X	-.38	-.38	0	%100
62	MP3A	Z	-.658	-.658	0	%100
63	MP5A	X	-.314	-.314	0	%100
64	MP5A	Z	-.544	-.544	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	-.38	-.38	0	%100
66	MP3B	Z	-.658	-.658	0	%100
67	MP5B	X	-.314	-.314	0	%100
68	MP5B	Z	-.544	-.544	0	%100
69	MP3C	X	-.38	-.38	0	%100
70	MP3C	Z	-.658	-.658	0	%100
71	MP5C	X	-.314	-.314	0	%100
72	MP5C	Z	-.544	-.544	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-.25	-.25	0	%100
76	M84	Z	-.433	-.433	0	%100
77	M85	X	-.25	-.25	0	%100
78	M85	Z	-.433	-.433	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-1.019	-2.63	0	2.333
2	M1	Y	-2.63	-3.74	2.333	4.667
3	M1	Y	-3.74	-4.045	4.667	7
4	M1	Y	-4.045	-3.74	7	9.333
5	M1	Y	-3.74	-2.63	9.333	11.667
6	M1	Y	-2.63	-1.019	11.667	14
7	M2	Y	-3.805	-3.805	.014	7.346
8	M3	Y	-8.744	-4.869	0	1.917
9	M3	Y	-4.869	-.994	1.917	3.833
10	M6	Y	-8.744	-4.869	0	1.917
11	M6	Y	-4.869	-.994	1.917	3.833
12	M54	Y	-9.569	-9.569	0	1.917
13	ASO	Y	-9.569	-9.569	0	1.917
14	M7	Y	-1.019	-2.63	0	2.333
15	M7	Y	-2.63	-3.74	2.333	4.667
16	M7	Y	-3.74	-4.045	4.667	7
17	M7	Y	-4.045	-3.74	7	9.333
18	M7	Y	-3.74	-2.63	9.333	11.667
19	M7	Y	-2.63	-1.019	11.667	14
20	M8	Y	-3.805	-3.805	.014	7.346
21	M9	Y	-8.744	-4.869	0	1.917
22	M9	Y	-4.869	-.994	1.917	3.833
23	M4	Y	-1.019	-2.63	0	2.333
24	M4	Y	-2.63	-3.74	2.333	4.667
25	M4	Y	-3.74	-4.045	4.667	7
26	M4	Y	-4.045	-3.74	7	9.333
27	M4	Y	-3.74	-2.63	9.333	11.667
28	M4	Y	-2.63	-1.019	11.667	14
29	M5	Y	-3.805	-3.805	.014	7.346
30	M56	Y	-9.569	-9.569	2.533e-13	1.917

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-1.965	-5.071	0	2.333
2	M1	Y	-5.071	-7.213	2.333	4.667
3	M1	Y	-7.213	-7.8	4.667	7
4	M1	Y	-7.8	-7.213	7	9.333
5	M1	Y	-7.213	-5.071	9.333	11.667
6	M1	Y	-5.071	-1.965	11.667	14

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M2	Y	-7.337	-7.337	.014	7.346
8	M3	Y	-16.862	-9.389	0	1.917
9	M3	Y	-9.389	-1.916	1.917	3.833
10	M6	Y	-16.862	-9.389	0	1.917
11	M6	Y	-9.389	-1.916	1.917	3.833
12	M54	Y	-18.451	-18.451	0	1.917
13	ASO	Y	-18.451	-18.451	0	1.917
14	M7	Y	-1.965	-5.071	0	2.333
15	M7	Y	-5.071	-7.213	2.333	4.667
16	M7	Y	-7.213	-7.8	4.667	7
17	M7	Y	-7.8	-7.213	7	9.333
18	M7	Y	-7.213	-5.071	9.333	11.667
19	M7	Y	-5.071	-1.965	11.667	14
20	M8	Y	-7.337	-7.337	.014	7.346
21	M9	Y	-16.862	-9.389	0	1.917
22	M9	Y	-9.389	-1.916	1.917	3.833
23	M4	Y	-1.965	-5.071	0	2.333
24	M4	Y	-5.071	-7.213	2.333	4.667
25	M4	Y	-7.213	-7.8	4.667	7
26	M4	Y	-7.8	-7.213	7	9.333
27	M4	Y	-7.213	-5.071	9.333	11.667
28	M4	Y	-5.071	-1.965	11.667	14
29	M5	Y	-7.337	-7.337	.014	7.346
30	M56	Y	-18.451	-18.451	2.533e-13	1.917

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Z	-.031	-.079	0	2.333
2	M1	Z	-.079	-.112	2.333	4.667
3	M1	Z	-.112	-.121	4.667	7
4	M1	Z	-.121	-.112	7	9.333
5	M1	Z	-.112	-.079	9.333	11.667
6	M1	Z	-.079	-.031	11.667	14
7	M2	Z	-.114	-.114	.014	7.346
8	M3	Z	-.262	-.146	0	1.917
9	M3	Z	-.146	-.03	1.917	3.833
10	M6	Z	-.262	-.146	0	1.917
11	M6	Z	-.146	-.03	1.917	3.833
12	M54	Z	-.287	-.287	0	1.917
13	ASO	Z	-.287	-.287	0	1.917
14	M7	Z	-.031	-.079	0	2.333
15	M7	Z	-.079	-.112	2.333	4.667
16	M7	Z	-.112	-.121	4.667	7
17	M7	Z	-.121	-.112	7	9.333
18	M7	Z	-.112	-.079	9.333	11.667
19	M7	Z	-.079	-.031	11.667	14
20	M8	Z	-.114	-.114	.014	7.346
21	M9	Z	-.262	-.146	0	1.917
22	M9	Z	-.146	-.03	1.917	3.833
23	M4	Z	-.031	-.079	0	2.333
24	M4	Z	-.079	-.112	2.333	4.667
25	M4	Z	-.112	-.121	4.667	7
26	M4	Z	-.121	-.112	7	9.333
27	M4	Z	-.112	-.079	9.333	11.667
28	M4	Z	-.079	-.031	11.667	14
29	M5	Z	-.114	-.114	.014	7.346

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M56	Z	-.287	-.287	2.533e-13	1.917

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.031	.079	0	2.333
2	M1	X	.079	.112	2.333	4.667
3	M1	X	.112	.121	4.667	7
4	M1	X	.121	.112	7	9.333
5	M1	X	.112	.079	9.333	11.667
6	M1	X	.079	.031	11.667	14
7	M2	X	.114	.114	.014	7.346
8	M3	X	.262	.146	0	1.917
9	M3	X	.146	.03	1.917	3.833
10	M6	X	.262	.146	0	1.917
11	M6	X	.146	.03	1.917	3.833
12	M54	X	.287	.287	0	1.917
13	ASO	X	.287	.287	0	1.917
14	M7	X	.031	.079	0	2.333
15	M7	X	.079	.112	2.333	4.667
16	M7	X	.112	.121	4.667	7
17	M7	X	.121	.112	7	9.333
18	M7	X	.112	.079	9.333	11.667
19	M7	X	.079	.031	11.667	14
20	M8	X	.114	.114	.014	7.346
21	M9	X	.262	.146	0	1.917
22	M9	X	.146	.03	1.917	3.833
23	M4	X	.031	.079	0	2.333
24	M4	X	.079	.112	2.333	4.667
25	M4	X	.112	.121	4.667	7
26	M4	X	.121	.112	7	9.333
27	M4	X	.112	.079	9.333	11.667
28	M4	X	.079	.031	11.667	14
29	M5	X	.114	.114	.014	7.346
30	M56	X	.287	.287	2.533e-13	1.917

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N1	N2	N3	N4	Y	Two Way	-.005
2	N1	N4	N45	N44	Y	Two Way	-.005
3	N44	N2	N3	N45	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N1	N2	N3	N4	Y	Two Way	-.01
2	N1	N4	N45	N44	Y	Two Way	-.01
3	N44	N2	N3	N45	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N1	N2	N3	N4	Y	Two Way	0
2	N1	N4	N45	N44	Y	Two Way	0
3	N44	N2	N3	N45	Y	Two Way	0

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N1	N2	N3	N4	Z	Two Way	-.000156
2	N1	N4	N45	N44	Z	Two Way	-.000156
3	N44	N2	N3	N45	Z	Two Way	-.000156

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N1	N2	N3	N4	X	Two Way	.000156
2	N1	N4	N45	N44	X	Two Way	.000156
3	N44	N2	N3	N45	X	Two Way	.000156

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [...	LC
1	N97A	m...	1753.32	9	2409.833	19	1678.965	1	-2.03	64	1.415	8	1.12	28
2		m...	-1774.723	3	816.131	64	-2138.601	7	-6.003	19	-1.428	2	-.64	50
3	N96A	m...	2049.161	10	2416.409	23	2288.132	12	3.078	13	1.512	12	-1.689	28
4		m...	-1661.595	4	808.818	29	-2043.177	6	.983	7	-1.49	6	-5.221	22
5	N99A	m...	1559.538	10	2326.801	15	1905.587	2	2.845	13	1.283	8	5.063	16
6		m...	-1926.927	4	799.387	72	-1692.214	8	.94	7	-1.275	2	1.731	73
7	Totals:	m...	5033.107	10	7080.294	21	5462.521	1						
8		m...	-5033.097	4	2441.545	66	-5462.54	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...	Dir	LC	phi*Pn...	phi*P...	phi*Mn y...	phi*Mn		Eqn
1	ASO	HSS4....	.198	2	16	.103	2	z	29	15691...	158976	20.907	20.907	...	H1-...
2	M1	L3X3X4	.812	7	23	.131	7	z	5	9336.1...	46656	1.688	2.8	...	H2-1
3	M2	L3X3X4	.289	3.68	22	.014	3...	y	18	28099...	46656	1.688	3.16	...	H2-1
4	M3	LL3x3...	.132	3.833	6	.018	0	z	6	77340...	93312	6.48	4.364	...	H1-...
5	M4	L3X3X4	.800	7	15	.107	7	z	3	9336.1...	46656	1.688	2.808	...	H2-1
6	M5	L3X3X4	.308	3.68	29	.015	3...	y	18	28099...	46656	1.688	3.187	...	H2-1
7	M6	LL3x3...	.115	3.833	10	.014	0	z	10	77340...	93312	6.48	4.364	...	H1-...
8	M7	L3X3X4	.836	7	30	.128	7	z	1	9336.1...	46656	1.688	2.846	...	H2-1
9	M8	L3X3X4	.298	3.68	18	.015	3...	y	28	28099...	46656	1.688	3.156	...	H2-1
10	M9	LL3x3...	.134	3.833	2	.022	0	y	26	77340...	93312	6.48	4.364	...	H1-...
11	M17	PIPE_...	.406	8.156	18	.111	5...		18	5397.31	32130	1.872	1.872	...	H1-...
12	M18	PIPE_...	.411	8.156	22	.112	5...		22	5397.31	32130	1.872	1.872	...	H1-...
13	M19	PIPE_...	.404	8.156	14	.118	5...		14	5397.31	32130	1.872	1.872	...	H1-...
14	M26	PIPE_...	.041	3.25	5	.024	0		7	19360...	32130	1.872	1.872	...	H1-...
15	M27	PIPE_...	.039	3.25	9	.023	0		12	19360...	32130	1.872	1.872	...	H1-...
16	M28	PIPE_...	.041	3.25	1	.013	0		29	19360...	32130	1.872	1.872	...	H1-...
17	M54	HSS4....	.200	2	20	.068	2	z	50	15691...	158976	20.907	20.907	...	H1-...
18	M55	HSS4...	.395	.833	18	.128	....	y	29	13911...	139518	16.181	16.181	...	H1-...
19	M55A	HSS4...	.401	.833	24	.084	....	y	50	13911...	139518	16.181	16.181	...	H1-...
20	M56	HSS4....	.192	2	24	.082	2	z	30	15691...	158976	20.907	20.907	...	H1-...
21	M57	HSS4...	.379	.833	14	.101	....	y	30	13911...	139518	16.181	16.181	...	H1-...
22	MP1A	PIPE_...	.274	3.25	49	.116	3...		7	20866...	32130	1.872	1.872	...	H1-...
23	MP1B	PIPE_...	.275	3.25	50	.127	3...		11	20866...	32130	1.872	1.872	...	H1-...
24	MP1C	PIPE_...	.247	3.25	25	.093	3...		14	20866...	32130	1.872	1.872	...	H1-...
25	MP2A	PIPE_...	.545	3.25	7	.145	3...		1	20866...	32130	1.872	1.872	...	H1-...
26	MP2B	PIPE_...	.576	3.25	12	.145	3...		10	20866...	32130	1.872	1.872	...	H1-...
27	MP2C	PIPE_...	.416	3.25	3	.110	4...		32	20866...	32130	1.872	1.872	...	H1-...
28	MP4A	PIPE_...	.310	3.25	50	.158	3...		19	20866...	32130	1.872	1.872	...	H1-...
29	MP4B	PIPE_...	.250	3.25	50	.154	3...		23	20866...	32130	1.872	1.872	...	H1-...
30	MP4C	PIPE_...	.349	3.25	29	.156	4.5		27	20866...	32130	1.872	1.872	...	H1-...

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

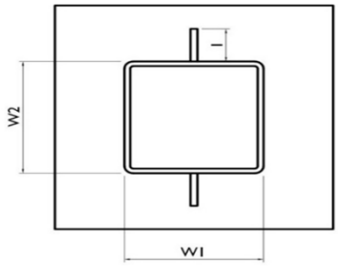
	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...	Dir	LC	phi*Pn...	phi*P...	phi*Mn y...	phi*Mn ...	...	Eqn
31	MP3A	PIPE_...	.204	3.135	7	.067	3...		9	33961...	50715	3.596	3.596	...	H1-...
32	MP5A	PIPE_...	.470	3.25	19	.233	3...		8	20866...	32130	1.872	1.872	...	H1-...
33	MP3B	PIPE_...	.200	3.135	11	.070	3...		1	33961...	50715	3.596	3.596	...	H1-...
34	MP5B	PIPE_...	.476	3.25	23	.237	3...		1	20866...	32130	1.872	1.872	...	H1-...
35	MP3C	PIPE_...	.205	3.135	3	.068	3...		4	33961...	50715	3.596	3.596	...	H1-...
36	MP5C	PIPE_...	.466	3.25	15	.239	3...		4	20866...	32130	1.872	1.872	...	H1-...
37	M83	L2.5x2...	.054	0	4	.139	0	z	30	38153...	38556	1.114	2.537	...	H2-1
38	M84	L2.5x2...	.051	.567	17	.211	0	z	29	38153...	38556	1.114	2.537	...	H2-1
39	M85	L2.5x2...	.046	.567	13	.105	0	z	35	38153...	38556	1.114	2.537	...	H2-1

VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/5/2023
Site Name:	SOUTHINGTON CT		
PSLC #:	5000385312		
Fuze ID #:	17123871	Page:	2

Version 1.01

Tower Connection Weld Checks	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	(1) Stiffener on top/bottom
Stiffener Notch Present?	No
Stiffener Length, l (in):	3.5
Stiffener Spacing/Width, s (in):	
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	30.00
Z_x (in^3/in):	59.73
Z_y (in^3/in):	21.33
J_p (in^4/in):	296.50
c_x (in)	5.5
c_y (in)	5.5
Required combined strength (kip/in):	1.06
Weld Capacity (kip/in):	5.57
Weld Utilization:	**19.1%**



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	-20ºC to +60ºC | -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.

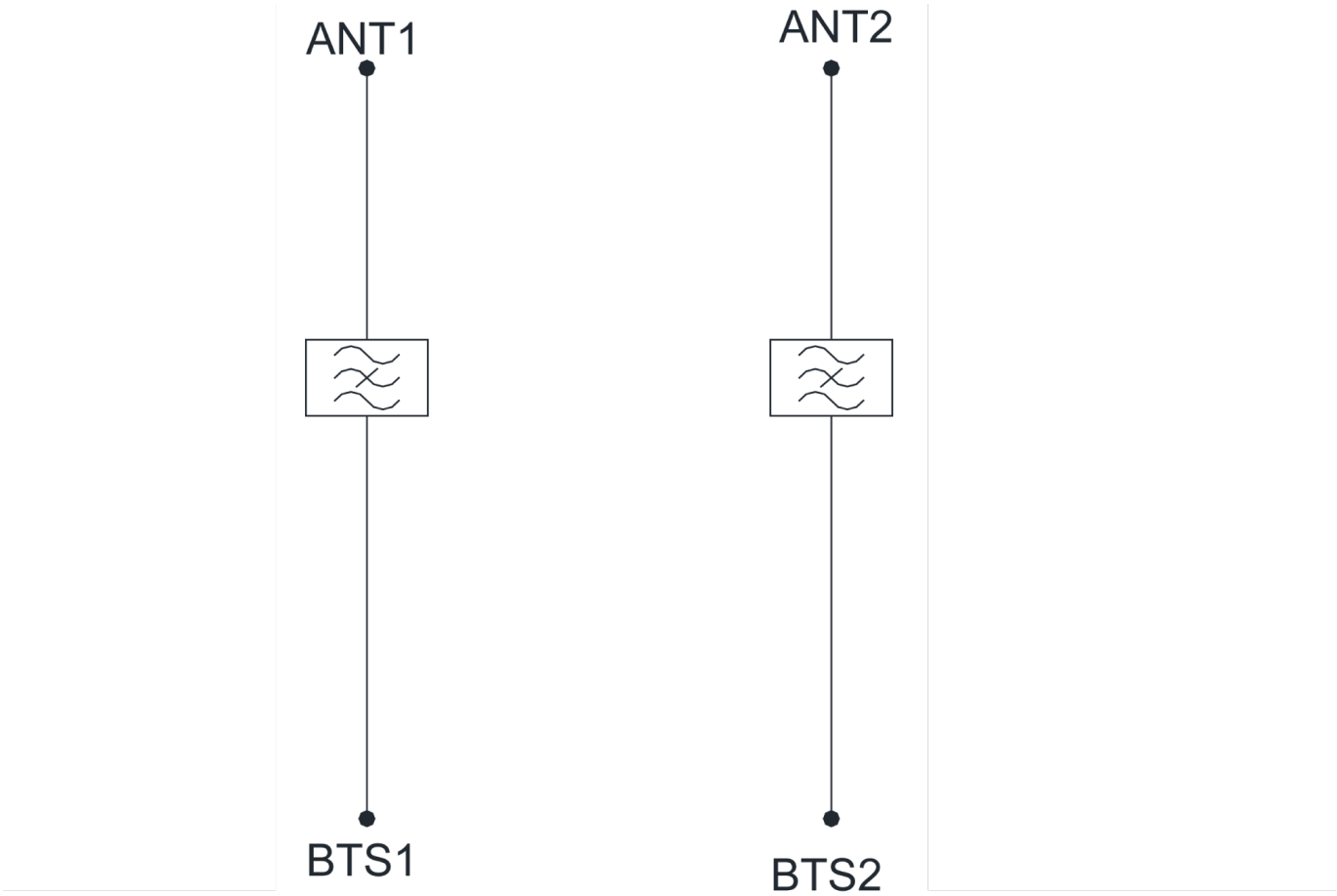
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

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)

Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



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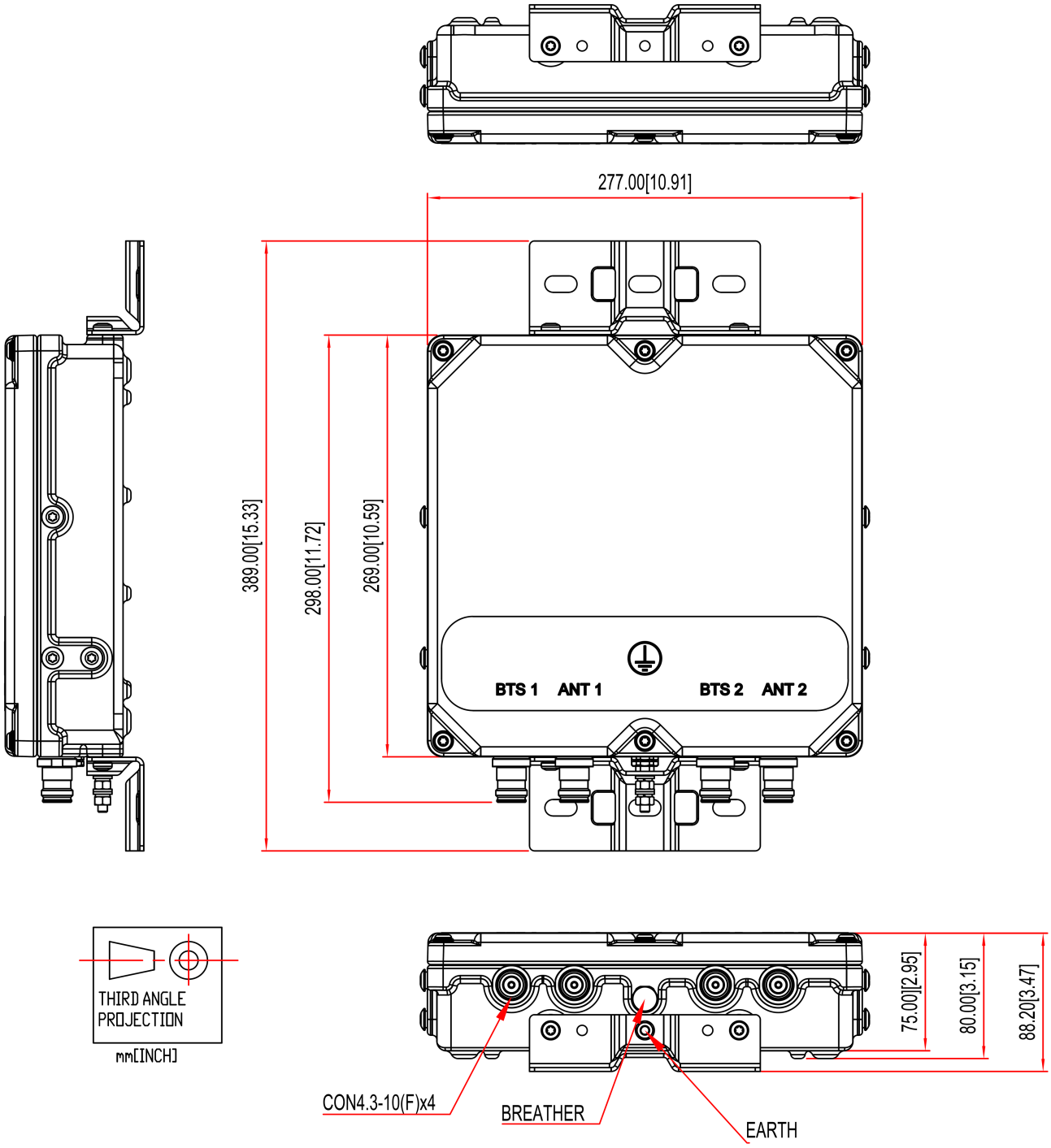
MECHANICAL BLOCK DIAGRAM



Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

Date: **July 31, 2023**

MTS Engineering, P.L.L.C.
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119
(918) 587-4630

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	5000385312
	Site Name:	SOUTHINGTON CT
Crown Castle Designation:	**BU Number:**	876334
	Site Name:	SOUTHINGTON, SMORON
	JDE Job Number:	751360
	Work Order Number:	2246158
	Order Number:	654613 Rev. 0
Engineering Firm Designation:	**Project Number:**	127834.009.01.0001
Site Data:	**625 Spring Street, SOUTHINGTON, Hartford County, CT** **Latitude *41° 37' 56.9"*, Longitude *-72° 53' 39.3"*** **160.333 Foot - Monopole**	

We are pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

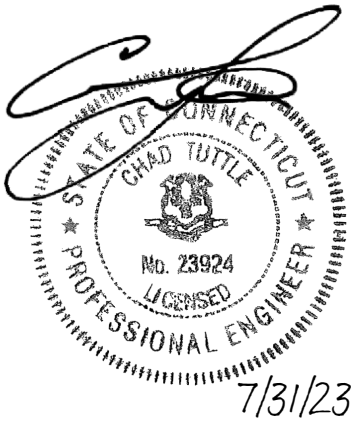
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity-97.3%**

This analysis utilizes an ultimate 3-second gust wind speed of 117 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: Andrew Fisher

Respectfully submitted by: MTS Engineering, P.L.L.C.
COA: PEC.0001564; Expires: 2/1/2024



Chad E. Tuttle, P.E.

tnxTower Report - version 8.1.1.0

TABLE OF CONTENTS

1) INTRODUCTION

This is a 146 ft. Monopole designed by SUMMIT in July of 1998. A 14-ft tower extension has been considered in this analysis, bringing the total tower height to 160 ft. The Monopole has been modified multiple times to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	117 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
132.0	134.0	3	Antel	BXA-80080-6CF-EDIN-X	20	1-5/8
	133.0	3	Commscope	NHH-65B-R2B		
		3	Commscope	NHHSS-65B-R2B		
		2	Kaelus	BSF0020F3V1		
		2	RFS Celwave	DB-T1-6Z-8AB-0Z		
		3	Samsung Telecom.	MT6407-77A		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
	132.0	3	--	84” x 2 1/2 SCH 40 Mount pipe		
		1	--	Platform Mount [LP 1201-1_HR-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
156.0	159.0	3	Ericsson	AIR 6419 B77G	8 3 4 3	1-5/8 7/8 13/16 3/8
	157.0	1	CCI Antennas	DMP65R-BU6D		
		2	CCI Antennas	DMP65R-BU8D		
		3	Ericsson	RRUS 32 B2		
		3	Ericsson	RRUS 32 B66		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RRUS-32 B30		
		1	Quintel Tech.	QD6616-7		
		2	Quintel Tech.	QD8616-7		
		2	Raycap	DC6-48-60-18-8F		
		1	Raycap	DC9-48-60-24-8C-EV_CCIV2		
	156.0	1	--	Sector Mount [SM 503-3]		
	155.0	3	Ericsson	AIR 6449 B77D		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
146.0	148.0	3	Ericsson	RADIO 4424 B25_TMO	3	1-3/4
	147.0	3	Ericsson	AIR6449 B41_T-MOBILE		
		3	RFS Celwave	APX16DWV-16DWV-S-E-A20		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO		
	146.0	3	Ericsson	RADIO 4415 B25/B66_TMO		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		1	--	Platform Mount [LP 1201-1_HR-1]		
139.0	139.0	3	RFS Celwave	APXV18-206517S-C	6	1-5/8
		1	--	Pipe Mount [PM 601-3]		
114.0	116.0	3	Fujitsu	TA08025-B604	1	1-1/2
		3	Fujitsu	TA08025-B605		
	114.0	1		Sabre C10801018-32788		
		3	JMA Wireless	MX08FRO665-21		
		1	Raycap	RDIDC-9181-PF-48		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturing Drawing	1614569	CCI Sites
Mount Analysis Report	10121487	CCI Sites
Tower Modification drawing	2588177	CCI Sites
Post Modification Inspection	2588175	CCI Sites
Tower Modification drawing	3363885	CCI Sites
Post Modification Inspection	3794196	CCI Sites
Tower Modification drawing	5288062	CCI Sites
Post Modification Inspection	5570676	CCI Sites
Tower Modification drawing	5755362	CCI Sites
Post Modification Inspection	5888770	CCI Sites
Tower Modification drawing	6249238	CCI Sites
Post Modification Inspection	6544953	CCI Sites
Tower Modification drawing	6962729	CCI Sites
Post Modification Inspection	7104038	CCI Sites
Foundation Drawing	1999756	CCI Sites
Geotech Report	1530919	CCI Sites
Crown CAD Package	Date: 07/19/2023	CCI Sites

3.1) Analysis Method

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

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

3.2) Assumptions

1) The 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. We should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	160.33 - 155.33	Pole	TP16x16x0.375	1	-4.981	--	5.4	Pass
L2	155.33 - 150.33	Pole	TP16x16x0.375	2	-5.421	--	21.1	Pass
L3	150.33 - 146.83	Pole	TP16x16x0.375	3	-5.740	--	32.8	Pass
L4	146.83 - 146.33	Pole	TP22x22x0.375	4	-5.800	--	18.2	Pass
L5	146.33 - 141.33	Pole	TP22.924x22x0.25	5	-10.776	--	27.3	Pass
L6	141.33 - 136.33	Pole	TP23.848x22.924x0.25	6	-11.585	--	37.3	Pass
L7	136.33 - 131.33	Pole	TP24.772x23.848x0.25	7	-16.562	--	48.3	Pass
L8	131.33 - 126.33	Pole	TP25.696x24.772x0.25	8	-17.364	--	60.3	Pass
L9	126.33 - 121.33	Pole	TP26.62x25.696x0.25	9	-18.210	--	71.5	Pass
L10	121.33 - 120.08	Pole	TP26.851x26.62x0.25	10	-18.423	--	74.1	Pass
L11	120.08 - 119.83	Pole + Reinf.	TP26.897x26.851x0.4875	11	-18.499	--	51.5	Pass
L12	119.83 - 117.5	Pole + Reinf.	TP27.328x26.897x0.4875	12	-19.038	--	55.0	Pass
L13	117.5 - 117.25	Pole + Reinf.	TP27.375x27.328x0.5	13	-19.110	--	51.2	Pass
L14	117.25 - 115.5	Pole + Reinf.	TP27.698x27.375x0.5	14	-19.542	--	53.6	Pass
L15	115.5 - 115.25	Pole + Reinf.	TP27.744x27.698x0.6625	15	-19.628	--	47.3	Pass
L16	115.25 - 110.25	Pole + Reinf.	TP28.668x27.744x0.65	16	-23.812	--	54.1	Pass
L17	110.25 - 107.82	Pole + Reinf.	TP29.808x28.668x0.6375	17	-24.539	--	57.3	Pass
L18	107.82 - 102.82	Pole + Reinf.	TP29.541x28.617x0.7	18	-26.965	--	59.3	Pass
L19	102.82 - 100.5	Pole + Reinf.	TP29.969x29.541x0.6875	19	-27.732	--	61.9	Pass
L20	100.5 - 100.25	Pole + Reinf.	TP30.015x29.969x0.6375	20	-27.822	--	63.3	Pass
L21	100.25 - 98.5	Pole + Reinf.	TP30.338x30.015x0.625	21	-28.373	--	65.2	Pass
L22	98.5 - 98.25	Pole + Reinf.	TP30.385x30.338x0.6625	22	-28.476	--	62.4	Pass
L23	98.25 - 93.25	Pole + Reinf.	TP31.308x30.385x0.65	23	-30.167	--	67.5	Pass
L24	93.25 - 90.5	Pole + Reinf.	TP31.816x31.308x0.6375	24	-31.113	--	70.1	Pass
L25	90.5 - 90.25	Pole + Reinf.	TP31.862x31.816x0.6875	25	-31.224	--	69.2	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L26	90.25 - 85.25	Pole + Reinf.	TP32.785x31.862x0.675	26	-33.144	--	73.8	Pass
L27	85.25 - 83.5	Pole + Reinf.	TP33.108x32.785x0.6625	27	-33.818	--	75.3	Pass
L28	83.5 - 83.25	Pole + Reinf.	TP33.154x33.108x0.9125	28	-33.954	--	57.1	Pass
L29	83.25 - 80.75	Pole + Reinf.	TP33.616x33.154x0.8875	29	-35.094	--	58.9	Pass
L30	80.75 - 80.5	Pole + Reinf.	TP33.662x33.616x1.0625	30	-35.231	--	48.4	Pass
L31	80.5 - 80.25	Pole + Reinf.	TP33.708x33.662x0.975	31	-35.355	--	52.1	Pass
L32	80.25 - 77.5	Pole + Reinf.	TP34.216x33.708x0.9625	32	-36.708	--	53.9	Pass
L33	77.5 - 77.25	Pole + Reinf.	TP34.262x34.216x0.6875	33	-36.827	--	75.3	Pass
L34	77.25 - 73.29	Pole + Reinf.	TP35.819x34.262x0.6875	34	-38.530	--	78.5	Pass
L35	73.29 - 68.29	Pole + Reinf.	TP35.291x34.368x0.75	35	-42.360	--	77.0	Pass
L36	68.29 - 64.25	Pole + Reinf.	TP36.037x35.291x0.7375	36	-44.251	--	79.6	Pass
L37	64.25 - 64	Pole + Reinf.	TP36.084x36.037x0.875	37	-44.388	--	70.2	Pass
L38	64 - 60.5	Pole + Reinf.	TP36.73x36.084x0.8625	38	-46.129	--	72.2	Pass
L39	60.5 - 60.25	Pole + Reinf.	TP36.776x36.73x0.925	39	-46.273	--	68.2	Pass
L40	60.25 - 60.08	Pole + Reinf.	TP36.807x36.776x0.925	40	-46.363	--	68.3	Pass
L41	60.08 - 59.83	Pole + Reinf.	TP36.853x36.807x0.975	41	-46.498	--	66.1	Pass
L42	59.83 - 59.08	Pole + Reinf.	TP36.991x36.853x0.975	42	-46.902	--	66.5	Pass
L43	59.08 - 58.83	Pole + Reinf.	TP37.037x36.991x1.05	43	-47.053	--	60.6	Pass
L44	58.83 - 55.42	Pole + Reinf.	TP37.668x37.037x1.025	44	-49.021	--	62.2	Pass
L45	55.42 - 55.17	Pole + Reinf.	TP37.714x37.668x1.025	45	-49.177	--	62.3	Pass
L46	55.17 - 54.75	Pole + Reinf.	TP37.791x37.714x1.025	46	-49.419	--	62.5	Pass
L47	54.75 - 54.5	Pole + Reinf.	TP37.837x37.791x0.825	47	-49.549	--	75.9	Pass
L48	54.5 - 49.5	Pole + Reinf.	TP38.76x37.837x0.8125	48	-52.123	--	78.5	Pass
L49	49.5 - 44.5	Pole + Reinf.	TP39.683x38.76x0.8	49	-54.738	--	81.0	Pass
L50	44.5 - 41.25	Pole + Reinf.	TP40.283x39.683x0.7875	50	-56.457	--	82.6	Pass
L51	41.25 - 41	Pole + Reinf.	TP40.329x40.283x0.875	51	-56.613	--	72.5	Pass
L52	41 - 39	Pole + Reinf.	TP41.568x40.329x0.875	52	-57.750	--	73.4	Pass
L53	39 - 33.29	Pole + Reinf.	TP40.996x39.949x1.175	53	-63.781	--	57.5	Pass
L54	33.29 - 31.5	Pole + Reinf.	TP41.324x40.996x1.175	54	-64.976	--	58.2	Pass
L55	31.5 - 31.25	Pole + Reinf.	TP41.37x41.324x1.175	55	-65.163	--	57.9	Pass
L56	31.25 - 30.5	Pole + Reinf.	TP41.507x41.37x1.175	56	-65.668	--	58.1	Pass
L57	30.5 - 30.25	Pole + Reinf.	TP41.553x41.507x1.125	57	-65.841	--	61.0	Pass
L58	30.25 - 25.75	Pole + Reinf.	TP42.378x41.553x1.1	58	-68.839	--	62.6	Pass
L59	25.75 - 25.5	Pole + Reinf.	TP42.424x42.378x1.05	59	-69.013	--	67.8	Pass
L60	25.5 - 24.67	Pole + Reinf.	TP42.577x42.424x1.0375	60	-69.551	--	68.1	Pass
L61	24.67 - 24.42	Pole + Reinf.	TP42.623x42.577x0.925	61	-69.701	--	74.8	Pass
L62	24.42 - 24	Pole + Reinf.	TP42.699x42.623x0.925	62	-69.937	--	75.0	Pass
L63	24 - 23.75	Pole + Reinf.	TP42.745x42.699x1.025	63	-70.089	--	70.7	Pass
L64	23.75 - 18.75	Pole + Reinf.	TP43.662x42.745x1.025	64	-73.060	--	72.6	Pass
L65	18.75 - 14.08	Pole + Reinf.	TP44.518x43.662x1	65	-75.869	--	74.3	Pass
L66	14.08 - 13.82	Pole + Reinf.	TP44.566x44.518x0.975	66	-76.046	--	72.8	Pass
L67	13.82 - 13.67	Pole + Reinf.	TP44.594x44.566x0.975	67	-76.141	--	72.8	Pass
L68	13.67 - 10.5	Pole + Reinf.	TP45.175x44.594x0.975	68	-78.089	--	73.9	Pass
L69	10.5 - 10.25	Pole + Reinf.	TP45.22x45.175x0.9	69	-78.252	--	76.5	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L70	10.25 - 5.25	Pole + Reinf.	TP46.137x45.22x0.9	70	-81.271	--	78.2	Pass
L71	5.25 - 2.9	Pole + Reinf.	TP46.568x46.137x0.75	71	-82.551	--	90.4	Pass
L72	2.9 - 2.65	Pole + Reinf.	TP46.614x46.568x0.75	72	-82.705	--	90.5	Pass
L73	2.65 - 2.5	Pole + Reinf.	TP46.642x46.614x0.75	73	-82.789	--	90.5	Pass
L74	2.5 - 2.25	Pole + Reinf.	TP46.687x46.642x0.9	74	-82.932	--	76.5	Pass
L75	2.25 - 1.92	Pole + Reinf.	TP46.748x46.687x0.9	75	-83.122	--	76.5	Pass
L76	1.92 - 1.67	Pole + Reinf.	TP46.794x46.748x0.8	76	-83.260	--	82.3	Pass
L77	1.67 - 0	Pole + Reinf.	TP47.1x46.794x0.7875	77	-84.145	--	82.8	Pass
							Summary	
						Pole	81.3	Pass
						Reinforcement	90.5	Pass
						Rating =	90.5	Pass

Table 5 - Tower Component Stresses vs. Capacity- LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Flange Connections	146’	59.5	Pass
1,2	Anchor Rods	Base	67.8	Pass
1,2	Base Plate	Base	61.2	Pass
1,2	Anchor Rod Bracket	Base	78.2	Pass
1,2	Base Foundation (Structure)	Base	97.3	Pass
1,2	Base Foundation (Soil Interaction)	Base	86.8	Pass

Structure Rating (max from all components) =	97.3%

Notes:
1) See additional documentation in “Appendix C - Additional Calculations” for calculations supporting the % capacity consumed.
2) Rating per TIA-222-H Section 15.5.

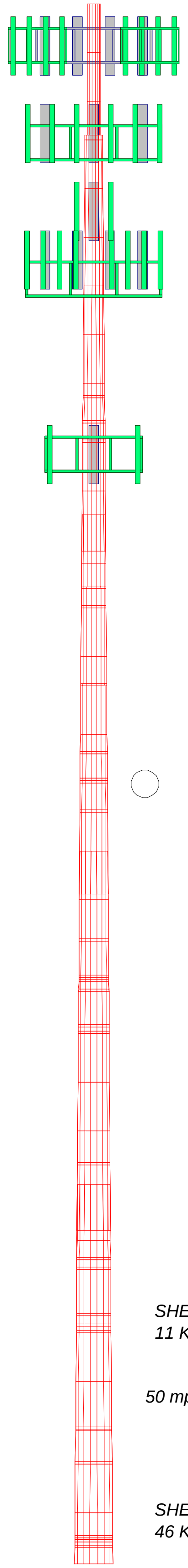
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.000	0	0.375		16.000	16.000	A53-B-35	0.3
2	5.000	0	0.375		16.000	16.000	A53-B-35	0.3
3	[illegible]	0	[illegible]		[illegible]	[illegible]	A53-B-35	0.2
4	[illegible]	0	[illegible]		[illegible]	[illegible]	A53-B-35	0.0
5	5.000	12	0.250		[illegible]	[illegible]		0.3
6	5.000	12	0.250		22.924	23.848		0.3
7	5.000	12	0.250		23.848	24.772		0.3
8	5.000	12	0.250		24.772	25.696		0.3
9	5.000	12	0.250		25.696	26.620		0.4
10–15	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
16	5.000	12	0.650		[illegible]	[illegible]		0.9
17	[illegible]	12	0.637	3.737	28.668	29.808		1.2
18–22	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
23	5.000	12	0.650		[illegible]	[illegible]		1.1
24–25	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
26	5.000	12	[illegible]		[illegible]	[illegible]		1.2
27–33	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
34	[illegible]	12	0.688	4.471	34.262	35.819	A607-60	2.4
35–47	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
48	5.000	12	[illegible]		[illegible]	[illegible]		1.8
49	5.000	12	0.800		38.760	39.683		1.8
50–51	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
52	[illegible]	12	0.875	4.709	[illegible]	[illegible]		2.7
53–57	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
58	[illegible]	12	[illegible]		[illegible]	[illegible]		2.2
59–63	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
64	5.000	12	[illegible]		[illegible]	[illegible]		2.1
65	[illegible]	12	[illegible]		[illegible]	[illegible]		2.0
66–69	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
70	5.000	12	0.900		[illegible]	[illegible]		2.1
71–77	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
								46.2



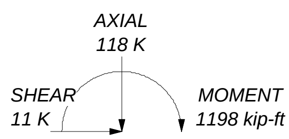
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-35	35 ksi	63 ksi	A607-60	60 ksi	75 ksi

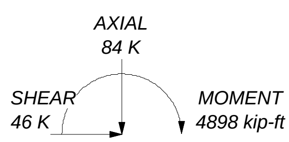
TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 117 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 90.5%

ALL REACTIONS ARE FACTORED



TORQUE 1 kip-ft
50 mph WIND - 1.000 in ICE



TORQUE 3 kip-ft
REACTIONS - 117 mph WIND

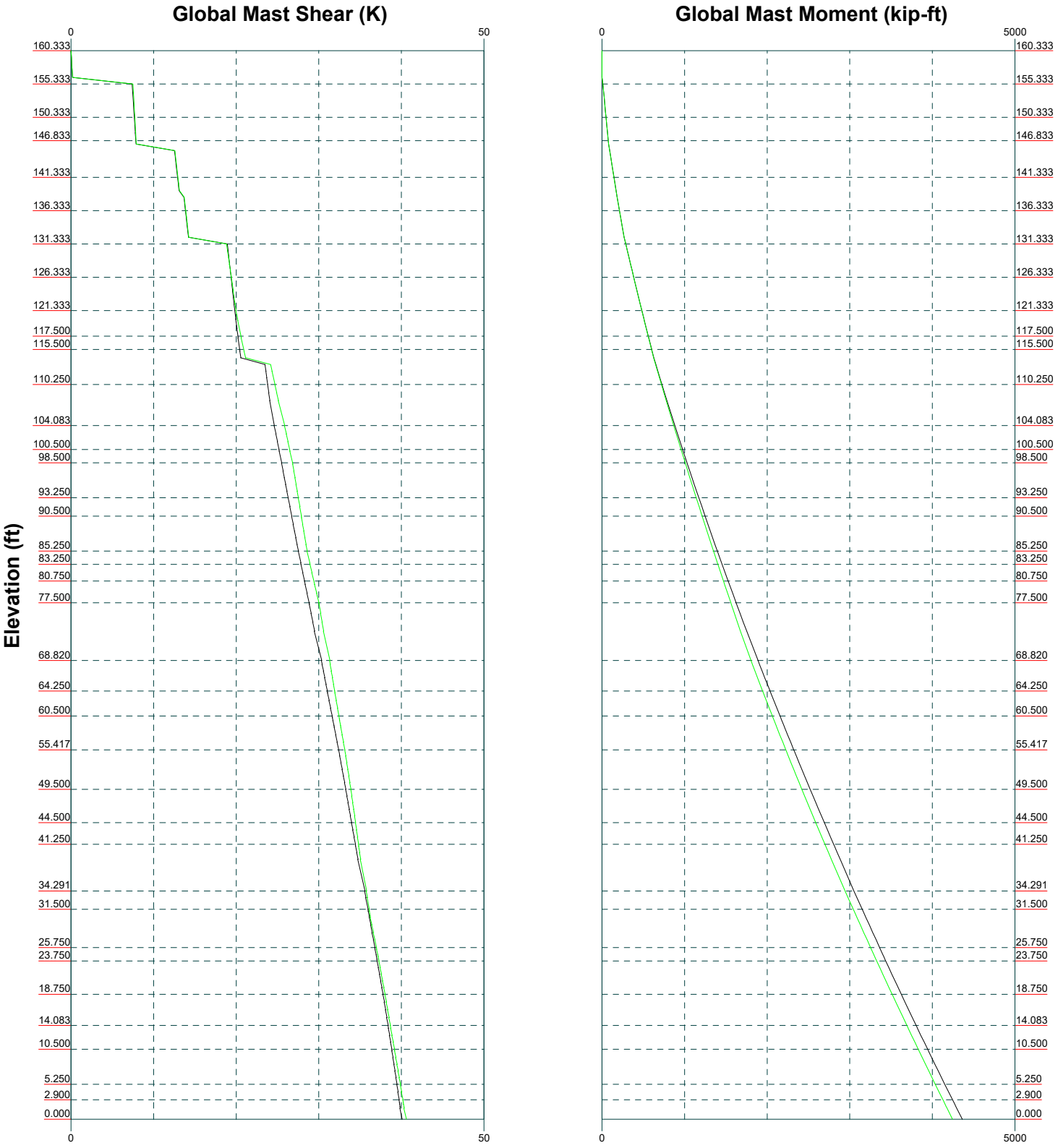
MTS Engineering, P.L.L.C.
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 587-4630

Job: 127834.009.01.0001 - SOUTHINGTON_SMORON, CT (BU# 87633		
Project:		
Client: Crown Castle	Drawn by: GURUPRASAD	App'd:
Code: TIA-222-H	Date: 07/29/23	Scale: NTS
Path:		Dwg No. E-1

TIA-222-H - 117 mph/50 mph 1.000 in Ice Exposure C

Maximum Values

Vx Vz Mx Mz



MTS Engineering, P.L.L.C.
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Tulsa, OK 74119
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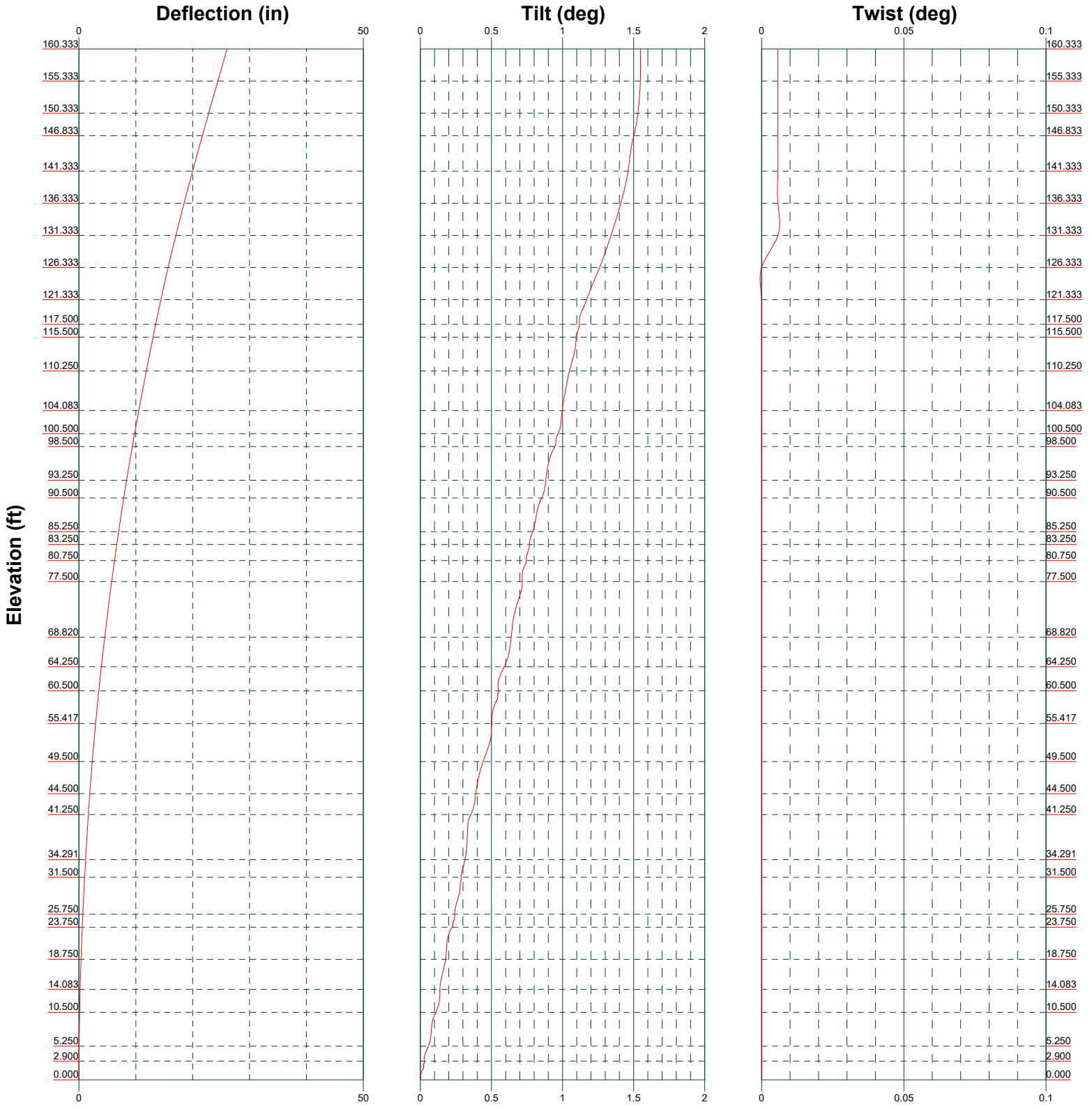
FAX: (918) 587-4630

Job: *127834.009.01.0001 - SOUTHINGTON_SMORON, CT (BU# 87633*		
Project:		
Client: Crown Castle	Drawn by: GURUPRASAD	App'd:
Code: TIA-222-H	Date: 07/29/23	Scale: NTS
Path:		Dwg No. E-4

TIA-222-H - Service - 60 mph

Maximum Values

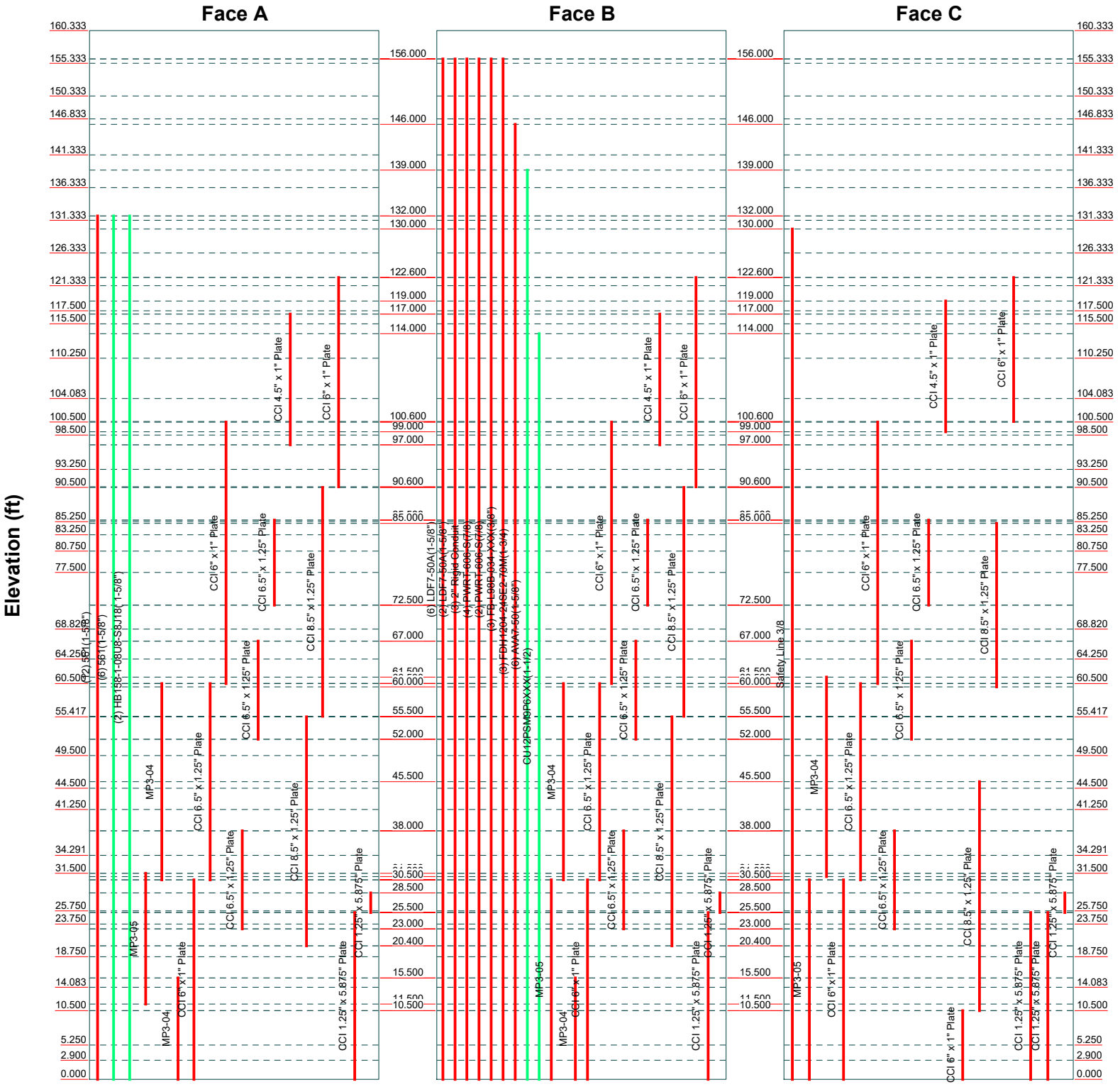


MTS Engineering, P.L.L.C.
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 587-4630

Job: *127834.009.01.0001 - SOUTHINGTON_SMORON, CT (BU# 87633*			
Project:			
Client: Crown Castle	Drawn by: GURUPRASAD	App'd:	
Code: TIA-222-H	Date: 07/29/23	Scale: NTS	
Path:		Dwg No. E-5	

Feed Line Distribution Chart
0' - 160'4"

Round | Flat | App In Face | App Out Face | Truss Leg



MTS Engineering, P.L.L.C. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 587-4630	Job: 127834.009.01.0001 - SOUTHINGTON_SMORON, CT (BU# 87633		
	Project:		
	Client: Crown Castle	Drawn by: GURUPRASAD	App'd:
	Code: TIA-222-H	Date: 07/29/23	Scale: NTS
	Path:		Dwg No. E-7

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: 296.000 ft.
Basic wind speed of 117 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 1.000 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
TIA-222-H Annex S.
TOWER RATING: 90.5%.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	160.333-155.333	5.000	0.000	Round	16.000	16.000	0.375		A53-B-35 (35 ksi)
L2	155.333-150.333	5.000	0.000	Round	16.000	16.000	0.375		A53-B-35 (35 ksi)
L3	150.333-146.833	3.500	0.000	Round	16.000	16.000	0.375		A53-B-35 (35 ksi)
L4	146.833-146.333	0.500	0.000	Round	22.000	22.000	0.375		A53-B-35 (35 ksi)
L5	146.333-141.333	5.000	0.000	12	22.000	22.924	0.250	1.000	A607-60 (60 ksi)
L6	141.333-136.333	5.000	0.000	12	22.924	23.848	0.250	1.000	A607-60 (60 ksi)
L7	136.333-131.333	5.000	0.000	12	23.848	24.772	0.250	1.000	A607-60 (60 ksi)
L8	131.333-126.333	5.000	0.000	12	24.772	25.696	0.250	1.000	A607-60 (60 ksi)
L9	126.333-121.333	5.000	0.000	12	25.696	26.620	0.250	1.000	A607-60 (60 ksi)
L10	121.333-120.083	1.250	0.000	12	26.620	26.851	0.250	1.000	A607-60 (60 ksi)
L11	120.083-119.833	0.250	0.000	12	26.851	26.897	0.487	1.950	A607-60 (60 ksi)
L12	119.833-117.500	2.333	0.000	12	26.897	27.328	0.487	1.950	A607-60 (60 ksi)
L13	117.500-117.250	0.250	0.000	12	27.328	27.375	0.500	2.000	A607-60 (60 ksi)
L14	117.250-115.500	1.750	0.000	12	27.375	27.698	0.500	2.000	A607-60 (60 ksi)
L15	115.500-115.250	0.250	0.000	12	27.698	27.744	0.662	2.650	A607-60 (60 ksi)
L16	115.250-110.250	5.000	0.000	12	27.744	28.668	0.650	2.600	A607-60 (60 ksi)
L17	110.250-104.083	6.167	3.737	12	28.668	29.808	0.637	2.550	A607-60 (60 ksi)
L18	104.083-102.820	5.000	0.000	12	28.617	29.541	0.700	2.800	A607-60 (60 ksi)
L19	102.820-100.500	2.320	0.000	12	29.541	29.969	0.688	2.750	A607-60 (60 ksi)
L20	100.500-100.250	0.250	0.000	12	29.969	30.015	0.637	2.550	A607-60 (60 ksi)
L21	100.250-98.500	1.750	0.000	12	30.015	30.338	0.625	2.500	A607-60 (60 ksi)
L22	98.500-98.250	0.250	0.000	12	30.338	30.385	0.662	2.650	A607-60 (60 ksi)
L23	98.250-93.250	5.000	0.000	12	30.385	31.308	0.650	2.600	A607-60 (60 ksi)
L24	93.250-90.500	2.750	0.000	12	31.308	31.816	0.637	2.550	A607-60 (60 ksi)
L25	90.500-90.250	0.250	0.000	12	31.816	31.862	0.688	2.750	A607-60 (60 ksi)
L26	90.250-85.250	5.000	0.000	12	31.862	32.785	0.675	2.700	A607-60 (60 ksi)
L27	85.250-83.500	1.750	0.000	12	32.785	33.108	0.662	2.650	A607-60 (60 ksi)
L28	83.500-83.250	0.250	0.000	12	33.108	33.154	0.912	3.650	A607-60 (60 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L29	83.250-80.750	2.500	0.000	12	33.154	33.616	0.887	3.550	A607-60 (60 ksi)
L30	80.750-80.500	0.250	0.000	12	33.616	33.662	1.063	4.250	A607-60 (60 ksi)
L31	80.500-80.250	0.250	0.000	12	33.662	33.708	0.975	3.900	A607-60 (60 ksi)
L32	80.250-77.500	2.750	0.000	12	33.708	34.216	0.963	3.850	A607-60 (60 ksi)
L33	77.500-77.250	0.250	0.000	12	34.216	34.262	0.688	2.750	A607-60 (60 ksi)
L34	77.250-68.820	8.430	4.471	12	34.262	35.819	0.688	2.750	A607-60 (60 ksi)
L35	68.820-68.291	5.000	0.000	12	34.368	35.291	0.750	3.000	A607-60 (60 ksi)
L36	68.291-64.250	4.041	0.000	12	35.291	36.037	0.738	2.950	A607-60 (60 ksi)
L37	64.250-64.000	0.250	0.000	12	36.037	36.084	0.875	3.500	A607-60 (60 ksi)
L38	64.000-60.500	3.500	0.000	12	36.084	36.730	0.863	3.450	A607-60 (60 ksi)
L39	60.500-60.250	0.250	0.000	12	36.730	36.776	0.925	3.700	A607-60 (60 ksi)
L40	60.250-60.083	0.167	0.000	12	36.776	36.807	0.925	3.700	A607-60 (60 ksi)
L41	60.083-59.833	0.250	0.000	12	36.807	36.853	0.975	3.900	A607-60 (60 ksi)
L42	59.833-59.083	0.750	0.000	12	36.853	36.991	0.975	3.900	A607-60 (60 ksi)
L43	59.083-58.833	0.250	0.000	12	36.991	37.037	1.050	4.200	A607-60 (60 ksi)
L44	58.833-55.417	3.416	0.000	12	37.037	37.668	1.025	4.100	A607-60 (60 ksi)
L45	55.417-55.167	0.250	0.000	12	37.668	37.714	1.025	4.100	A607-60 (60 ksi)
L46	55.167-54.750	0.417	0.000	12	37.714	37.791	1.025	4.100	A607-60 (60 ksi)
L47	54.750-54.500	0.250	0.000	12	37.791	37.837	0.825	3.300	A607-60 (60 ksi)
L48	54.500-49.500	5.000	0.000	12	37.837	38.760	0.813	3.250	A607-60 (60 ksi)
L49	49.500-44.500	5.000	0.000	12	38.760	39.683	0.800	3.200	A607-60 (60 ksi)
L50	44.500-41.250	3.250	0.000	12	39.683	40.283	0.787	3.150	A607-60 (60 ksi)
L51	41.250-41.000	0.250	0.000	12	40.283	40.329	0.875	3.500	A607-60 (60 ksi)
L52	41.000-34.291	6.709	4.709	12	40.329	41.568	0.875	3.500	A607-60 (60 ksi)
L53	34.291-33.291	5.709	0.000	12	39.949	40.996	1.175	4.700	A607-60 (60 ksi)
L54	33.291-31.500	1.791	0.000	12	40.996	41.324	1.175	4.700	A607-60 (60 ksi)
L55	31.500-31.250	0.250	0.000	12	41.324	41.370	1.175	4.700	A607-60 (60 ksi)
L56	31.250-30.500	0.750	0.000	12	41.370	41.507	1.175	4.700	A607-60 (60 ksi)
L57	30.500-30.250	0.250	0.000	12	41.507	41.553	1.125	4.500	A607-60 (60 ksi)
L58	30.250-25.750	4.500	0.000	12	41.553	42.378	1.100	4.400	A607-60 (60 ksi)
L59	25.750-25.500	0.250	0.000	12	42.378	42.424	1.050	4.200	A607-60

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L60	25.500-24.667	0.833	0.000	12	42.424	42.577	1.038	4.150	(60 ksi) A607-60 (60 ksi)
L61	24.667-24.417	0.250	0.000	12	42.577	42.623	0.925	3.700	A607-60 (60 ksi)
L62	24.417-24.000	0.417	0.000	12	42.623	42.699	0.925	3.700	A607-60 (60 ksi)
L63	24.000-23.750	0.250	0.000	12	42.699	42.745	1.025	4.100	A607-60 (60 ksi)
L64	23.750-18.750	5.000	0.000	12	42.745	43.662	1.025	4.100	A607-60 (60 ksi)
L65	18.750-14.083	4.667	0.000	12	43.662	44.518	1.000	4.000	A607-60 (60 ksi)
L66	14.083-13.817	0.266	0.000	12	44.518	44.566	0.975	3.900	A607-60 (60 ksi)
L67	13.817-13.667	0.150	0.000	12	44.566	44.594	0.975	3.900	A607-60 (60 ksi)
L68	13.667-10.500	3.167	0.000	12	44.594	45.175	0.975	3.900	A607-60 (60 ksi)
L69	10.500-10.250	0.250	0.000	12	45.175	45.220	0.900	3.600	A607-60 (60 ksi)
L70	10.250-5.250	5.000	0.000	12	45.220	46.137	0.900	3.600	A607-60 (60 ksi)
L71	5.250-2.900	2.350	0.000	12	46.137	46.568	0.750	3.000	A607-60 (60 ksi)
L72	2.900-2.650	0.250	0.000	12	46.568	46.614	0.750	3.000	A607-60 (60 ksi)
L73	2.650-2.500	0.150	0.000	12	46.614	46.642	0.750	3.000	A607-60 (60 ksi)
L74	2.500-2.250	0.250	0.000	12	46.642	46.687	0.900	3.600	A607-60 (60 ksi)
L75	2.250-1.917	0.333	0.000	12	46.687	46.748	0.900	3.600	A607-60 (60 ksi)
L76	1.917-1.667	0.250	0.000	12	46.748	46.794	0.800	3.200	A607-60 (60 ksi)
L77	1.667-0.000	1.667		12	46.794	47.100	0.787	3.150	A607-60 (60 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	16.000	18.408	562.084	5.526	8.000	70.261	1124.168	9.198	0.000	0
	16.000	18.408	562.084	5.526	8.000	70.261	1124.168	9.198	0.000	0
L2	16.000	18.408	562.084	5.526	8.000	70.261	1124.168	9.198	0.000	0
	16.000	18.408	562.084	5.526	8.000	70.261	1124.168	9.198	0.000	0
L3	16.000	18.408	562.084	5.526	8.000	70.261	1124.168	9.198	0.000	0
	16.000	18.408	562.084	5.526	8.000	70.261	1124.168	9.198	0.000	0
L4	22.000	25.476	1489.670	7.647	11.000	135.425	2979.340	12.731	0.000	0
	22.000	25.476	1489.670	7.647	11.000	135.425	2979.340	12.731	0.000	0
L5	22.688	17.509	1057.206	7.786	11.396	92.770	2142.186	8.617	5.226	20.904
	23.645	18.253	1197.754	8.117	11.875	100.867	2426.974	8.983	5.474	21.895
L6	23.645	18.253	1197.754	8.117	11.875	100.867	2426.974	8.983	5.474	21.895
	24.601	18.996	1350.237	8.448	12.353	109.302	2735.946	9.349	5.721	22.885
L7	24.601	18.996	1350.237	8.448	12.353	109.302	2735.946	9.349	5.721	22.885
	25.558	19.740	1515.142	8.779	12.832	118.076	3070.088	9.716	5.969	23.876

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L8	25.558	19.740	1515.142	8.779	12.832	118.076	3070.088	9.716	5.969	23.876
	26.514	20.484	1692.954	9.110	13.311	127.189	3430.385	10.082	6.217	24.866
L9	26.514	20.484	1692.954	9.110	13.311	127.189	3430.385	10.082	6.217	24.866
	27.471	21.228	1884.161	9.441	13.789	136.640	3817.821	10.448	6.464	25.857
L10	27.471	21.228	1884.161	9.441	13.789	136.640	3817.821	10.448	6.464	25.857
	27.710	21.414	1934.113	9.523	13.909	139.056	3919.037	10.539	6.526	26.104
L11	27.626	41.384	3671.401	9.438	13.909	263.961	7439.253	20.368	5.890	12.081
	27.674	41.457	3690.736	9.455	13.933	264.895	7478.432	20.404	5.902	12.107
L12	27.674	41.457	3690.736	9.455	13.933	264.895	7478.432	20.404	5.902	12.107
	28.121	42.134	3874.461	9.609	14.156	273.695	7850.709	20.737	6.018	12.344
L13	28.116	43.194	3968.257	9.605	14.156	280.320	8040.764	21.259	5.984	11.968
	28.164	43.268	3988.793	9.621	14.180	281.296	8082.377	21.295	5.996	11.993
L14	28.164	43.268	3988.793	9.621	14.180	281.296	8082.377	21.295	5.996	11.993
	28.499	43.789	4134.536	9.737	14.348	288.169	8377.690	21.552	6.083	12.166
L15	28.441	57.674	5380.653	9.679	14.348	375.021	10902.661	28.385	5.648	8.525
	28.489	57.772	5408.286	9.695	14.372	376.319	10958.653	28.434	5.660	8.543
L16	28.494	56.708	5313.593	9.700	14.372	369.730	10766.781	27.910	5.693	8.759
	29.450	58.642	5875.989	10.031	14.850	395.685	11906.346	28.862	5.941	9.14
L17	29.455	57.540	5770.705	10.035	14.850	388.595	11693.014	28.320	5.975	9.372
	30.635	59.880	6503.597	10.443	15.441	421.203	13178.051	29.471	6.280	9.851
L18	30.094	62.926	6259.852	9.994	14.824	422.284	12684.157	30.970	5.793	8.276
	30.336	65.007	6901.696	10.325	15.302	451.030	13984.708	31.994	6.041	8.63
L19	30.340	63.874	6787.269	10.329	15.302	443.552	13752.848	31.437	6.074	8.835
	30.784	64.822	7094.106	10.483	15.524	456.977	14374.583	31.903	6.189	9.002
L20	30.801	60.210	6611.927	10.501	15.524	425.917	13397.556	29.634	6.323	9.919
	30.849	60.305	6643.195	10.517	15.548	427.273	13460.915	29.680	6.336	9.938
L21	30.854	59.148	6521.254	10.522	15.548	419.430	13213.828	29.111	6.369	10.191
	31.188	59.798	6738.733	10.637	15.715	428.801	13654.501	29.431	6.456	10.329
L22	31.175	63.306	7116.047	10.624	15.715	452.811	14419.040	31.157	6.355	9.593
	31.223	63.405	7149.308	10.640	15.739	454.236	14486.436	31.206	6.368	9.611
L23	31.227	62.234	7023.269	10.645	15.739	446.228	14231.047	30.630	6.401	9.848
	32.183	64.167	7698.030	10.976	16.217	474.675	15598.295	31.581	6.648	10.228
L24	32.187	62.959	7559.229	10.980	16.217	466.117	15317.048	30.986	6.682	10.482
	32.713	64.001	7940.954	11.162	16.481	481.839	16090.525	31.499	6.818	10.695
L25	32.695	68.910	8522.639	11.144	16.481	517.135	17269.177	33.915	6.684	9.722
	32.743	69.012	8560.613	11.160	16.504	518.686	17346.123	33.966	6.696	9.74
L26	32.748	67.785	8415.080	11.165	16.504	509.868	17051.234	33.361	6.730	9.97
	33.704	69.791	9184.809	11.495	16.983	540.834	18610.913	34.349	6.977	10.337
L27	33.708	68.526	9025.252	11.500	16.983	531.439	18287.607	33.726	7.011	10.582
	34.042	69.215	9300.380	11.616	17.150	542.294	18845.091	34.065	7.098	10.713
L28	33.954	94.599	12516.124	11.526	17.150	729.800	25361.060	46.559	6.428	7.044
	34.002	94.735	12570.040	11.543	17.174	731.924	25470.309	46.626	6.440	7.057
L29	34.011	92.211	12254.116	11.552	17.174	713.528	24830.162	45.383	6.507	7.332
	34.489	93.530	12787.635	11.717	17.413	734.368	25911.216	46.033	6.631	7.471
L30	34.427	111.374	15064.877	11.654	17.413	865.146	30525.525	54.815	6.162	5.799
	34.475	111.532	15129.058	11.671	17.437	867.640	30655.573	54.893	6.174	5.811
L31	34.506	102.621	13995.226	11.702	17.437	802.616	28358.122	50.507	6.408	6.573
	34.554	102.766	14054.607	11.719	17.461	804.917	28478.445	50.579	6.421	6.585
L32	34.558	101.488	13890.321	11.723	17.461	795.508	28145.556	49.949	6.454	6.706
	35.084	103.061	14546.605	11.905	17.724	820.730	29475.366	50.724	6.590	6.847
L33	35.181	74.224	10650.349	12.003	17.724	600.901	21580.495	36.531	7.327	10.658
	35.228	74.326	10694.402	12.020	17.748	602.573	21669.757	36.581	7.340	10.676
L34	35.228	74.326	10694.402	12.020	17.748	602.573	21669.757	36.581	7.340	10.676
	36.840	77.772	12251.933	12.577	18.554	660.331	24825.737	38.277	7.757	11.283
L35	36.171	81.188	11712.084	12.035	17.803	657.878	23731.857	39.958	7.201	9.601
	36.272	83.418	12703.513	12.366	18.281	694.904	25740.761	41.056	7.448	9.931
L36	36.276	82.057	12505.354	12.370	18.281	684.064	25339.238	40.386	7.482	10.145
	37.049	83.828	13332.905	12.637	18.667	714.235	27016.081	41.258	7.682	10.416
L37	37.000	99.070	15634.569	12.588	18.667	837.534	31679.876	48.759	7.313	8.358
	37.048	99.200	15696.213	12.605	18.691	839.761	31804.783	48.823	7.325	8.372
L38	37.052	97.818	15488.466	12.609	18.691	828.646	31383.832	48.143	7.359	8.532
	37.721	99.612	16356.590	12.840	19.026	859.698	33142.886	49.026	7.532	8.733

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L39	37.699	106.644	17450.308	12.818	19.026	917.183	35359.054	52.487	7.365	7.962
	37.747	106.782	17517.873	12.835	19.050	919.579	35495.961	52.555	7.377	7.975
L40	37.747	106.782	17517.873	12.835	19.050	919.579	35495.961	52.555	7.377	7.975
	37.779	106.874	17563.104	12.846	19.066	921.181	35587.611	52.600	7.385	7.984
L41	37.761	112.494	18435.179	12.828	19.066	966.921	37354.672	55.366	7.251	7.437
	37.809	112.638	18506.504	12.844	19.090	969.447	37499.195	55.437	7.264	7.45
L42	37.809	112.638	18506.504	12.844	19.090	969.447	37499.195	55.437	7.264	7.45
	37.952	113.073	18721.584	12.894	19.161	977.043	37935.006	55.651	7.301	7.488
L43	37.926	121.517	20036.015	12.867	19.161	1045.640	40598.398	59.807	7.100	6.762
	37.974	121.673	20113.298	12.883	19.185	1048.366	40754.995	59.884	7.112	6.773
L44	37.982	118.859	19675.358	12.892	19.185	1025.539	39867.610	58.499	7.179	7.004
	38.635	120.941	20727.268	13.118	19.512	1062.279	41999.064	59.523	7.348	7.169
L45	38.635	120.941	20727.268	13.118	19.512	1062.279	41999.064	59.523	7.348	7.169
	38.683	121.093	20805.683	13.135	19.536	1064.993	42157.954	59.598	7.360	7.181
L46	38.683	121.093	20805.683	13.135	19.536	1064.993	42157.954	59.598	7.360	7.181
	38.763	121.347	20936.815	13.162	19.576	1069.524	42423.663	59.723	7.381	7.201
L47	38.833	98.201	17128.088	13.234	19.576	874.961	34706.151	48.331	7.917	9.596
	38.881	98.323	17192.321	13.250	19.600	877.171	34836.304	48.392	7.929	9.611
L48	38.885	96.866	16948.992	13.255	19.600	864.756	34343.254	47.675	7.963	9.8
	39.841	99.281	18248.466	13.585	20.078	908.885	36976.340	48.863	8.210	10.105
L49	39.845	97.786	17985.482	13.590	20.078	895.787	36443.463	48.127	8.244	10.305
	40.801	100.164	19329.622	13.920	20.556	940.340	39167.055	49.297	8.491	10.614
L50	40.805	98.630	19045.954	13.925	20.556	926.541	38592.265	48.543	8.525	10.825
	41.427	100.152	19940.967	14.140	20.867	955.633	40405.806	49.292	8.685	11.029
L51	41.396	111.033	22009.697	14.108	20.867	1054.773	44597.614	54.647	8.451	9.658
	41.443	111.163	22087.114	14.125	20.891	1057.272	44754.482	54.711	8.463	9.672
L52	41.443	111.163	22087.114	14.125	20.891	1057.272	44754.482	54.711	8.463	9.672
	42.726	114.653	24233.101	14.568	21.532	1125.434	49102.833	56.428	8.795	10.052
L53	41.837	146.700	28150.831	13.881	20.693	1360.376	57041.216	72.201	7.557	6.432
	42.027	150.661	30493.059	14.256	21.236	1435.935	61787.204	74.151	7.838	6.67
L54	42.027	150.661	30493.059	14.256	21.236	1435.935	61787.204	74.151	7.838	6.67
	42.367	151.904	31253.750	14.373	21.406	1460.060	63328.571	74.762	7.926	6.745
L55	42.367	151.904	31253.750	14.373	21.406	1460.060	63328.571	74.762	7.926	6.745
	42.415	152.077	31360.926	14.390	21.430	1463.443	63545.739	74.848	7.938	6.756
L56	42.415	152.077	31360.926	14.390	21.430	1463.443	63545.739	74.848	7.938	6.756
	42.557	152.597	31683.930	14.439	21.501	1473.617	64200.232	75.104	7.975	6.787
L57	42.575	146.285	30448.639	14.457	21.501	1416.164	61697.197	71.997	8.109	7.208
	42.622	146.451	30552.453	14.473	21.525	1419.425	61907.552	72.079	8.121	7.219
L58	42.631	143.285	29928.963	14.482	21.525	1390.458	60644.193	70.521	8.188	7.444
	43.485	146.208	31798.020	14.778	21.952	1448.527	64431.409	71.959	8.409	7.645
L59	43.503	139.731	30463.086	14.796	21.952	1387.716	61726.472	68.771	8.543	8.137
	43.550	139.886	30564.567	14.812	21.976	1390.834	61932.099	68.848	8.556	8.148
L60	43.555	138.262	30228.084	14.816	21.976	1375.523	61250.294	68.049	8.589	8.279
	43.713	138.773	30564.129	14.871	22.055	1385.823	61931.212	68.300	8.630	8.318
L61	43.753	124.060	27471.947	14.911	22.055	1245.619	55665.613	61.059	8.932	9.656
	43.800	124.197	27562.754	14.928	22.079	1248.392	55849.612	61.126	8.944	9.669
L62	43.800	124.197	27562.754	14.928	22.079	1248.392	55849.612	61.126	8.944	9.669
	43.879	124.424	27714.551	14.955	22.118	1253.021	56157.195	61.238	8.964	9.691
L63	43.844	137.546	30490.699	14.919	22.118	1378.535	61782.422	67.696	8.696	8.484
	43.891	137.697	30591.430	14.936	22.142	1381.606	61986.530	67.770	8.709	8.496
L64	43.891	137.697	30591.430	14.936	22.142	1381.606	61986.530	67.770	8.709	8.496
	44.841	140.723	32652.895	15.264	22.617	1443.742	66163.618	69.260	8.954	8.736
L65	44.849	137.371	31912.553	15.273	22.617	1411.008	64663.484	67.610	9.021	9.021
	45.735	140.127	33871.777	15.579	23.060	1468.845	68633.403	68.966	9.251	9.251
L66	45.744	136.702	33081.931	15.588	23.060	1434.594	67032.962	67.281	9.318	9.557
	45.795	136.855	33193.230	15.606	23.085	1437.845	67258.483	67.356	9.331	9.57
L67	45.795	136.855	33193.230	15.606	23.085	1437.845	67258.483	67.356	9.331	9.57
	45.823	136.942	33256.102	15.616	23.100	1439.680	67385.879	67.398	9.338	9.578
L68	45.823	136.942	33256.102	15.616	23.100	1439.680	67385.879	67.398	9.338	9.578
	46.424	138.765	34602.135	15.823	23.400	1478.694	70113.307	68.296	9.494	9.737
L69	46.451	128.308	32103.303	15.850	23.400	1371.909	65049.995	63.149	9.695	10.772
	46.498	128.441	32203.123	15.867	23.424	1374.779	65252.258	63.215	9.707	10.786

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L70	46.498	128.441	32203.123	15.867	23.424	1374.779	65252.258	63.215	9.707	10.786
	47.447	131.098	34243.256	16.195	23.899	1432.824	69386.120	64.522	9.953	11.059
L71	47.500	109.610	28820.852	16.249	23.899	1205.937	58398.860	53.947	10.355	13.806
	47.946	110.651	29649.555	16.403	24.122	1229.132	60078.037	54.459	10.470	13.96
L72	47.946	110.651	29649.555	16.403	24.122	1229.132	60078.037	54.459	10.470	13.96
	47.994	110.762	29738.639	16.419	24.146	1231.613	60258.545	54.514	10.483	13.977
L73	47.994	110.762	29738.639	16.419	24.146	1231.613	60258.545	54.514	10.483	13.977
	48.022	110.828	29792.174	16.429	24.160	1233.102	60367.022	54.546	10.490	13.987
L74	47.969	132.559	35401.193	16.375	24.160	1465.261	71732.416	65.242	10.088	11.209
	48.017	132.692	35507.737	16.392	24.184	1468.227	71948.301	65.307	10.100	11.222
L75	48.017	132.692	35507.737	16.392	24.184	1468.227	71948.301	65.307	10.100	11.222
	48.080	132.869	35649.983	16.414	24.216	1472.184	72236.531	65.394	10.117	11.241
L76	48.115	118.363	31896.676	16.450	24.216	1317.189	64631.313	58.255	10.385	12.981
	48.163	118.481	31992.240	16.466	24.239	1319.841	64824.951	58.313	10.397	12.996
L77	48.167	116.662	31518.044	16.470	24.239	1300.278	63864.102	57.417	10.430	13.245
	48.484	117.437	32150.450	16.580	24.398	1317.760	65145.529	57.799	10.512	13.349

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	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 160.333-155.333				1	1	1			
L2 155.333-150.333				1	1	1			
L3 150.333-146.833				1	1	1			
L4 146.833-146.333				1	1	1			
L5 146.333-141.333				1	1	1			
L6 141.333-136.333				1	1	1			
L7 136.333-131.333				1	1	1			
L8 131.333-126.333				1	1	1			
L9 126.333-121.333				1	1	1			
L10 121.333-120.083				1	1	1			
L11 120.083-119.833				1	1	0.952241			
L12 119.833-117.500				1	1	0.945183			
L13 117.500-117.250				1	1	1.02541			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	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
L14 117.250-115.500				1	1	1.01916			
L15 115.500-115.250				1	1	0.929133			
L16 115.250-110.250				1	1	0.928031			
L17 110.250-104.083				1	1	0.937076			
L18 104.083-102.820				1	1	0.937686			
L19 102.820-100.500				1	1	0.947009			
L20 100.500-100.250				1	1	0.979272			
L21 100.250-98.500				1	1	0.993012			
L22 98.500-98.250				1	1	0.984646			
L23 98.250-93.250				1	1	0.987428			
L24 93.250-90.500				1	1	0.997971			
L25 90.500-90.250				1	1	1.06041			
L26 90.250-85.250				1	1	1.06188			
L27 85.250-83.500				1	1	1.07542			
L28 83.500-83.250				1	1	0.976487			
L29 83.250-80.750				1	1	0.994032			
L30 80.750-80.500				1	1	0.929408			
L31 80.500-80.250				1	1	0.988425			
L32 80.250-77.500				1	1	0.990553			
L33 77.500-77.250				1	1	1.13161			
L34 77.250-68.820				1	1	1.11718			
L35 68.820-68.291				1	1	1.10418			
L36 68.291-64.250				1	1	1.10951			
L37 64.250-64.000				1	1	1.0126			
L38 64.000-60.500				1	1	1.01625			
L39				1	1	1.00832			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	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
60.500-60.250									
L40				1	1	1.0078			
60.250-60.083									
L41				1	1	0.993436			
60.083-59.833									
L42				1	1	0.991096			
59.833-59.083									
L43				1	1	0.989483			
59.083-58.833									
L44				1	1	1.00178			
58.833-55.417									
L45				1	1	1.00098			
55.417-55.167									
L46				1	1	0.999648			
55.167-54.750									
L47				1	1	1.05096			
54.750-54.500									
L48				1	1	1.05205			
54.500-49.500									
L49				1	1	1.05391			
49.500-44.500									
L50				1	1	1.06127			
44.500-41.250									
L51				1	1	1.05236			
41.250-41.000									
L52				1	1	1.04658			
41.000-34.291									
L53				1	1	0.943825			
34.291-33.291									
L54				1	1	0.938715			
33.291-31.500									
L55				1	1	0.948018			
31.500-31.250									
L56				1	1	0.945874			
31.250-30.500									
L57				1	1	0.963144			
30.500-30.250									
L58				1	1	0.971561			
30.250-25.750									
L59				1	1	0.97895			
25.750-25.500									
L60				1	1	0.988132			
25.500-24.667									
L61				1	1	0.933203			
24.667-24.417									
L62				1	1	0.932237			
24.417-24.000									
L63				1	1	0.889372			
24.000-23.750									
L64				1	1	0.878115			
23.750-18.750									
L65				1	1	0.889225			
18.750-14.083									
L66				1	1	0.930011			
14.083-13.817									
L67				1	1	0.929667			
13.817-13.667									
L68				1	1	0.922506			
13.667-10.500									

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	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
L69 10.500-10.250				1	1	0.961027			
L70 10.250-5.250				1	1	0.949995			
L71 5.250-2.900				1	1	0.973671			
L72 2.900-2.650				1	1	0.973198			
L73 2.650-2.500				1	1	0.972914			
L74 2.500-2.250				1	1	0.870569			
L75 2.250-1.917				1	1	0.869965			
L76 1.917-1.667				1	1	0.906259			
L77 1.667-0.000				1	1	0.917462			

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 klf
LDF7-50A(1-5/8")	B	No	Surface Ar (CaAa)	156.000 - 0.000	6	6	-0.300 -0.100	1.980		0.001
LDF7-50A(1-5/8")	B	No	Surface Ar (CaAa)	156.000 - 0.000	2	2	-0.400 -0.350	1.980		0.001
2" Rigid Conduit	B	No	Surface Ar (CaAa)	156.000 - 0.000	3	3	-0.160 -0.100	2.000		0.003
PWRT-606-S(7/8)	B	No	Surface Ar (CaAa)	156.000 - 0.000	4	4	-0.090 -0.010	0.920		0.001
PWRT-606-S(7/8)	B	No	Surface Ar (CaAa)	156.000 - 0.000	2	1	-0.330 -0.320	0.920		0.001
FB-L98B-034-XXX(3/8") *	B	No	Surface Ar (CaAa)	156.000 - 0.000	3	3	-0.350 -0.330	0.394		0.000
FDH1204-24SE2-70M(1-3/4) *	B	No	Surface Ar (CaAa)	146.000 - 0.000	3	3	0.030 0.200	1.763		0.002
561(1-5/8") *	A	No	Surface Ar (CaAa)	132.000 - 0.000	12	6	-0.300 -0.050	1.625		0.001
Safety Line 3/8 *	C	No	Surface Ar (CaAa)	130.000 - 0.000	1	1	0.000 0.000	0.375		0.000
Flat Plate										
MP3-05	A	No	Surface Af (CaAa)	31.500 - 11.500	1	1	0.500 0.500	5.330	14.840	0.000
MP3-05	B	No	Surface Af (CaAa)	30.500 - 0.000	1	1	0.500 0.500	5.330	14.840	0.000
MP3-05	C	No	Surface Af (CaAa)	30.500 - 0.000	1	1	0.500 0.500	5.330	14.840	0.000
MP3-04	A	No	Surface Af	60.500 -	1	1	0.500	4.780	12.780	0.000

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 klf
			(CaAa)	30.500			0.500			
MP3-04	B	No	Surface Af (CaAa)	60.500 - 30.500	1	1	0.500 0.500	4.780	12.780	0.000
MP3-04	C	No	Surface Af (CaAa)	61.500 - 31.000	1	1	0.500 0.500	4.780	12.780	0.000
MP3-04	A	No	Surface Af (CaAa)	15.500 - 0.000	1	1	-0.250 -0.250	4.780	12.780	0.000
MP3-04	B	No	Surface Af (CaAa)	15.500 - 0.000	1	1	0.250 0.250	4.780	12.780	0.000
*										
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	30.500 - 0.000	1	1	0.000 0.000	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	30.500 - 0.000	1	1	0.000 0.000	6.000	14.000	0.000
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	30.500 - 0.000	1	1	-0.250 -0.250	6.000	14.000	0.000
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	60.500 - 30.500	1	1	0.000 0.000	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	60.500 - 30.500	1	1	0.000 0.000	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	60.500 - 30.500	1	1	-0.250 -0.250	6.500	15.500	0.000
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	100.500 - 60.500	1	1	0.000 0.000	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	100.500 - 60.500	1	1	0.000 0.000	6.000	14.000	0.000
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	100.500 - 60.500	1	1	-0.250 -0.250	6.000	14.000	0.000
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	38.000 - 23.000	1	1	0.250 0.250	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	38.000 - 23.000	1	1	0.250 0.250	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	38.000 - 23.000	1	1	0.000 0.000	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	67.000 - 52.000	1	1	0.250 0.250	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	67.000 - 52.000	1	1	0.250 0.250	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	67.000 - 52.000	1	1	0.000 0.000	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	85.500 - 72.500	1	1	0.250 0.250	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	85.500 - 72.500	1	1	0.250 0.250	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	85.500 - 72.500	1	1	0.000 0.000	6.500	15.500	0.000
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	117.000 - 97.000	1	1	0.250 0.250	4.500	11.000	0.000
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	117.000 - 97.000	1	1	0.250 0.250	4.500	11.000	0.000
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	119.000 - 99.000	1	1	0.250 0.250	4.500	11.000	0.000
*										
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	10.500 - 0.000	1	1	0.250 0.250	6.000	14.000	0.000
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	45.500 - 10.500	1	1	0.250 0.250	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	C	No	Surface Af	85.000 -	1	1	0.250	8.500	19.500	0.000

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 klf
			(CaAa)	60.000			0.250			
*										
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	55.400 - 20.400	1	1	-0.250 -0.250	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	55.400 - 20.400	1	1	-0.250 -0.250	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	90.500 - 55.500	1	1	-0.250 -0.250	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	90.500 - 55.500	1	1	-0.250 -0.250	8.500	19.500	0.000
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	122.600 - 90.600	1	1	-0.250 -0.250	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	122.600 - 90.600	1	1	-0.250 -0.250	6.000	14.000	0.000
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	122.600 - 100.600	1	1	-0.250 -0.250	6.000	14.000	0.000
*										
CCI 1.25" x 5.875" Plate	A	No	Surface Af (CaAa)	25.500 - 0.000	1	1	0.000 0.000	1.250	14.250	0.000
CCI 1.25" x 5.875" Plate	B	No	Surface Af (CaAa)	25.500 - 0.000	1	1	0.000 0.000	1.250	14.250	0.000
CCI 1.25" x 5.875" Plate	C	No	Surface Af (CaAa)	25.500 - 0.000	1	1	0.000 0.000	1.250	14.250	0.000
CCI 1.25" x 5.875" Plate	C	No	Surface Af (CaAa)	25.500 - 0.000	1	1	0.000 0.000	1.250	14.250	0.000
*										
CCI 1.25" x 5.875" Plate	A	No	Surface Af (CaAa)	28.500 - 25.500	1	1	0.000 0.000	1.250	14.250	0.000
CCI 1.25" x 5.875" Plate	B	No	Surface Af (CaAa)	28.500 - 25.500	1	1	0.000 0.000	1.250	14.250	0.000
CCI 1.25" x 5.875" Plate	C	No	Surface Af (CaAa)	28.500 - 25.500	1	1	0.000 0.000	1.250	14.250	0.000
*										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
*									
AVA7-50(1-5/8")	B	No	No	Inside Pole	139.000 - 0.000	6	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.001 0.001 0.001
561(1-5/8")	A	No	No	Inside Pole	132.000 - 0.000	6	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.001 0.001 0.001
HB158-1-08U8-S8J18(1-5/8")	A	No	No	Inside Pole	132.000 - 0.000	2	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.001 0.001 0.001
*									
CU12PSM9P6XXX(1-1/2)	B	No	No	Inside Pole	114.000 - 0.000	1	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.002 0.002 0.002
*									
*									
*									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	160.333-155.333	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	1.842	0.000	0.014
		C	0.000	0.000	0.000	0.000	0.000
L2	155.333-150.333	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	13.811	0.000	0.102
		C	0.000	0.000	0.000	0.000	0.000
L3	150.333-146.833	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	9.667	0.000	0.072
		C	0.000	0.000	0.000	0.000	0.000
L4	146.833-146.333	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	1.381	0.000	0.010
		C	0.000	0.000	0.000	0.000	0.000
L5	146.333-141.333	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	16.279	0.000	0.134
		C	0.000	0.000	0.000	0.000	0.000
L6	141.333-136.333	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	16.455	0.000	0.148
		C	0.000	0.000	0.000	0.000	0.000
L7	136.333-131.333	A	0.000	0.000	0.650	0.000	0.018
		B	0.000	0.000	16.455	0.000	0.158
		C	0.000	0.000	0.000	0.000	0.000
L8	131.333-126.333	A	0.000	0.000	4.875	0.000	0.135
		B	0.000	0.000	16.455	0.000	0.158
		C	0.000	0.000	0.138	0.000	0.001
L9	126.333-121.333	A	0.000	0.000	6.142	0.000	0.135
		B	0.000	0.000	17.722	0.000	0.158
		C	0.000	0.000	1.454	0.000	0.001
L10	121.333-120.083	A	0.000	0.000	2.469	0.000	0.034
		B	0.000	0.000	5.364	0.000	0.039
		C	0.000	0.000	1.297	0.000	0.000
L11	120.083-119.833	A	0.000	0.000	0.494	0.000	0.007
		B	0.000	0.000	1.073	0.000	0.008
		C	0.000	0.000	0.259	0.000	0.000
L12	119.833-117.500	A	0.000	0.000	4.608	0.000	0.063
		B	0.000	0.000	10.011	0.000	0.074
		C	0.000	0.000	3.545	0.000	0.001
L13	117.500-117.250	A	0.000	0.000	0.494	0.000	0.007
		B	0.000	0.000	1.073	0.000	0.008
		C	0.000	0.000	0.447	0.000	0.000
L14	117.250-115.500	A	0.000	0.000	4.581	0.000	0.047
		B	0.000	0.000	8.634	0.000	0.055
		C	0.000	0.000	3.128	0.000	0.000
L15	115.500-115.250	A	0.000	0.000	0.681	0.000	0.007
		B	0.000	0.000	1.260	0.000	0.008
		C	0.000	0.000	0.447	0.000	0.000
L16	115.250-110.250	A	0.000	0.000	13.625	0.000	0.135
		B	0.000	0.000	25.205	0.000	0.167
		C	0.000	0.000	8.938	0.000	0.001
L17	110.250-104.083	A	0.000	0.000	16.805	0.000	0.166
		B	0.000	0.000	31.088	0.000	0.209
		C	0.000	0.000	11.024	0.000	0.001
L18	104.083-102.820	A	0.000	0.000	3.442	0.000	0.034

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B	0.000	0.000	6.367	0.000	0.043
		C	0.000	0.000	2.258	0.000	0.000
L19	102.820-100.500	A	0.000	0.000	6.322	0.000	0.062
		B	0.000	0.000	11.695	0.000	0.079
		C	0.000	0.000	4.047	0.000	0.001
L20	100.500-100.250	A	0.000	0.000	0.931	0.000	0.007
		B	0.000	0.000	1.510	0.000	0.008
		C	0.000	0.000	0.447	0.000	0.000
L21	100.250-98.500	A	0.000	0.000	6.519	0.000	0.047
		B	0.000	0.000	10.572	0.000	0.059
		C	0.000	0.000	2.753	0.000	0.000
L22	98.500-98.250	A	0.000	0.000	0.931	0.000	0.007
		B	0.000	0.000	1.510	0.000	0.008
		C	0.000	0.000	0.259	0.000	0.000
L23	98.250-93.250	A	0.000	0.000	15.813	0.000	0.135
		B	0.000	0.000	27.393	0.000	0.169
		C	0.000	0.000	5.188	0.000	0.001
L24	93.250-90.500	A	0.000	0.000	8.081	0.000	0.074
		B	0.000	0.000	14.450	0.000	0.093
		C	0.000	0.000	2.853	0.000	0.001
L25	90.500-90.250	A	0.000	0.000	0.848	0.000	0.007
		B	0.000	0.000	1.427	0.000	0.008
		C	0.000	0.000	0.259	0.000	0.000
L26	90.250-85.250	A	0.000	0.000	17.223	0.000	0.135
		B	0.000	0.000	28.803	0.000	0.169
		C	0.000	0.000	5.452	0.000	0.001
L27	85.250-83.500	A	0.000	0.000	7.786	0.000	0.047
		B	0.000	0.000	11.839	0.000	0.059
		C	0.000	0.000	5.791	0.000	0.000
L28	83.500-83.250	A	0.000	0.000	1.112	0.000	0.007
		B	0.000	0.000	1.691	0.000	0.008
		C	0.000	0.000	0.878	0.000	0.000
L29	83.250-80.750	A	0.000	0.000	11.123	0.000	0.067
		B	0.000	0.000	16.913	0.000	0.085
		C	0.000	0.000	8.779	0.000	0.001
L30	80.750-80.500	A	0.000	0.000	1.112	0.000	0.007
		B	0.000	0.000	1.691	0.000	0.008
		C	0.000	0.000	0.878	0.000	0.000
L31	80.500-80.250	A	0.000	0.000	1.112	0.000	0.007
		B	0.000	0.000	1.691	0.000	0.008
		C	0.000	0.000	0.878	0.000	0.000
L32	80.250-77.500	A	0.000	0.000	12.235	0.000	0.074
		B	0.000	0.000	18.604	0.000	0.093
		C	0.000	0.000	9.657	0.000	0.001
L33	77.500-77.250	A	0.000	0.000	1.112	0.000	0.007
		B	0.000	0.000	1.691	0.000	0.008
		C	0.000	0.000	0.878	0.000	0.000
L34	77.250-68.820	A	0.000	0.000	33.615	0.000	0.227
		B	0.000	0.000	53.139	0.000	0.286
		C	0.000	0.000	25.712	0.000	0.002
L35	68.820-68.291	A	0.000	0.000	1.794	0.000	0.014
		B	0.000	0.000	3.019	0.000	0.018
		C	0.000	0.000	1.298	0.000	0.000
L36	68.291-64.250	A	0.000	0.000	16.685	0.000	0.109
		B	0.000	0.000	26.044	0.000	0.137
		C	0.000	0.000	12.896	0.000	0.001
L37	64.250-64.000	A	0.000	0.000	1.119	0.000	0.007
		B	0.000	0.000	1.698	0.000	0.008
		C	0.000	0.000	0.884	0.000	0.000
L38	64.000-60.500	A	0.000	0.000	15.663	0.000	0.094
		B	0.000	0.000	23.769	0.000	0.119

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C	0.000	0.000	13.178	0.000	0.001
L39	60.500-60.250	A	0.000	0.000	1.339	0.000	0.007
		B	0.000	0.000	1.918	0.000	0.008
		C	0.000	0.000	1.104	0.000	0.000
L40	60.250-60.083	A	0.000	0.000	0.894	0.000	0.004
		B	0.000	0.000	1.281	0.000	0.006
		C	0.000	0.000	0.738	0.000	0.000
L41	60.083-59.833	A	0.000	0.000	1.339	0.000	0.007
		B	0.000	0.000	1.918	0.000	0.008
		C	0.000	0.000	0.868	0.000	0.000
L42	59.833-59.083	A	0.000	0.000	4.016	0.000	0.020
		B	0.000	0.000	5.753	0.000	0.025
		C	0.000	0.000	2.251	0.000	0.000
L43	59.083-58.833	A	0.000	0.000	1.339	0.000	0.007
		B	0.000	0.000	1.918	0.000	0.008
		C	0.000	0.000	0.750	0.000	0.000
L44	58.833-55.417	A	0.000	0.000	18.176	0.000	0.092
		B	0.000	0.000	26.089	0.000	0.116
		C	0.000	0.000	10.252	0.000	0.001
L45	55.417-55.167	A	0.000	0.000	1.315	0.000	0.007
		B	0.000	0.000	1.894	0.000	0.008
		C	0.000	0.000	0.750	0.000	0.000
L46	55.167-54.750	A	0.000	0.000	2.231	0.000	0.011
		B	0.000	0.000	3.196	0.000	0.014
		C	0.000	0.000	1.250	0.000	0.000
L47	54.750-54.500	A	0.000	0.000	1.339	0.000	0.007
		B	0.000	0.000	1.918	0.000	0.008
		C	0.000	0.000	0.750	0.000	0.000
L48	54.500-49.500	A	0.000	0.000	24.067	0.000	0.135
		B	0.000	0.000	35.647	0.000	0.169
		C	0.000	0.000	12.296	0.000	0.001
L49	49.500-44.500	A	0.000	0.000	21.358	0.000	0.135
		B	0.000	0.000	32.938	0.000	0.169
		C	0.000	0.000	11.004	0.000	0.001
L50	44.500-41.250	A	0.000	0.000	13.883	0.000	0.087
		B	0.000	0.000	21.410	0.000	0.110
		C	0.000	0.000	10.836	0.000	0.001
L51	41.250-41.000	A	0.000	0.000	1.068	0.000	0.007
		B	0.000	0.000	1.647	0.000	0.008
		C	0.000	0.000	0.834	0.000	0.000
L52	41.000-34.291	A	0.000	0.000	32.677	0.000	0.180
		B	0.000	0.000	48.215	0.000	0.227
		C	0.000	0.000	26.387	0.000	0.001
L53	34.291-33.291	A	0.000	0.000	5.355	0.000	0.027
		B	0.000	0.000	7.671	0.000	0.034
		C	0.000	0.000	4.418	0.000	0.000
L54	33.291-31.500	A	0.000	0.000	9.591	0.000	0.048
		B	0.000	0.000	13.739	0.000	0.061
		C	0.000	0.000	7.912	0.000	0.000
L55	31.500-31.250	A	0.000	0.000	1.561	0.000	0.007
		B	0.000	0.000	1.918	0.000	0.008
		C	0.000	0.000	1.104	0.000	0.000
L56	31.250-30.500	A	0.000	0.000	4.683	0.000	0.020
		B	0.000	0.000	5.753	0.000	0.025
		C	0.000	0.000	2.915	0.000	0.000
L57	30.500-30.250	A	0.000	0.000	1.341	0.000	0.007
		B	0.000	0.000	1.920	0.000	0.008
		C	0.000	0.000	1.106	0.000	0.000
L58	30.250-25.750	A	0.000	0.000	24.523	0.000	0.121
		B	0.000	0.000	34.945	0.000	0.153
		C	0.000	0.000	20.304	0.000	0.001

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L59	25.750-25.500	A	0.000	0.000	1.376	0.000	0.007
		B	0.000	0.000	1.955	0.000	0.008
		C	0.000	0.000	1.142	0.000	0.000
L60	25.500-24.667	A	0.000	0.000	4.643	0.000	0.022
		B	0.000	0.000	6.573	0.000	0.028
		C	0.000	0.000	4.035	0.000	0.000
L61	24.667-24.417	A	0.000	0.000	1.393	0.000	0.007
		B	0.000	0.000	1.972	0.000	0.008
		C	0.000	0.000	1.211	0.000	0.000
L62	24.417-24.000	A	0.000	0.000	2.322	0.000	0.011
		B	0.000	0.000	3.287	0.000	0.014
		C	0.000	0.000	2.018	0.000	0.000
L63	24.000-23.750	A	0.000	0.000	1.393	0.000	0.007
		B	0.000	0.000	1.972	0.000	0.008
		C	0.000	0.000	1.211	0.000	0.000
L64	23.750-18.750	A	0.000	0.000	20.917	0.000	0.135
		B	0.000	0.000	32.497	0.000	0.169
		C	0.000	0.000	19.608	0.000	0.001
L65	18.750-14.083	A	0.000	0.000	15.464	0.000	0.126
		B	0.000	0.000	26.273	0.000	0.158
		C	0.000	0.000	17.544	0.000	0.001
L66	14.083-13.817	A	0.000	0.000	1.029	0.000	0.007
		B	0.000	0.000	1.645	0.000	0.009
		C	0.000	0.000	1.000	0.000	0.000
L67	13.817-13.667	A	0.000	0.000	0.580	0.000	0.004
		B	0.000	0.000	0.928	0.000	0.005
		C	0.000	0.000	0.564	0.000	0.000
L68	13.667-10.500	A	0.000	0.000	11.363	0.000	0.085
		B	0.000	0.000	19.586	0.000	0.107
		C	0.000	0.000	11.905	0.000	0.001
L69	10.500-10.250	A	0.000	0.000	0.745	0.000	0.007
		B	0.000	0.000	1.546	0.000	0.008
		C	0.000	0.000	0.818	0.000	0.000
L70	10.250-5.250	A	0.000	0.000	14.900	0.000	0.135
		B	0.000	0.000	30.922	0.000	0.169
		C	0.000	0.000	16.355	0.000	0.001
L71	5.250-2.900	A	0.000	0.000	7.003	0.000	0.063
		B	0.000	0.000	14.533	0.000	0.080
		C	0.000	0.000	7.687	0.000	0.001
L72	2.900-2.650	A	0.000	0.000	0.745	0.000	0.007
		B	0.000	0.000	1.546	0.000	0.008
		C	0.000	0.000	0.818	0.000	0.000
L73	2.650-2.500	A	0.000	0.000	0.447	0.000	0.004
		B	0.000	0.000	0.928	0.000	0.005
		C	0.000	0.000	0.491	0.000	0.000
L74	2.500-2.250	A	0.000	0.000	0.745	0.000	0.007
		B	0.000	0.000	1.546	0.000	0.008
		C	0.000	0.000	0.818	0.000	0.000
L75	2.250-1.917	A	0.000	0.000	0.992	0.000	0.009
		B	0.000	0.000	2.059	0.000	0.011
		C	0.000	0.000	1.089	0.000	0.000
L76	1.917-1.667	A	0.000	0.000	0.745	0.000	0.007
		B	0.000	0.000	1.546	0.000	0.008
		C	0.000	0.000	0.818	0.000	0.000
L77	1.667-0.000	A	0.000	0.000	4.968	0.000	0.045
		B	0.000	0.000	10.309	0.000	0.056
		C	0.000	0.000	5.453	0.000	0.000

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	160.333-155.333	A	0.994	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	3.249	0.000	0.039
		C		0.000	0.000	0.000	0.000	0.000
L2	155.333-150.333	A	0.991	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	24.332	0.000	0.289
		C		0.000	0.000	0.000	0.000	0.000
L3	150.333-146.833	A	0.988	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	17.018	0.000	0.202
		C		0.000	0.000	0.000	0.000	0.000
L4	146.833-146.333	A	0.987	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.430	0.000	0.029
		C		0.000	0.000	0.000	0.000	0.000
L5	146.333-141.333	A	0.985	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	28.522	0.000	0.350
		C		0.000	0.000	0.000	0.000	0.000
L6	141.333-136.333	A	0.981	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	28.795	0.000	0.365
		C		0.000	0.000	0.000	0.000	0.000
L7	136.333-131.333	A	0.978	0.000	0.000	0.976	0.000	0.027
		B		0.000	0.000	28.765	0.000	0.374
		C		0.000	0.000	0.000	0.000	0.000
L8	131.333-126.333	A	0.974	0.000	0.000	7.311	0.000	0.199
		B		0.000	0.000	28.733	0.000	0.373
		C		0.000	0.000	0.852	0.000	0.007
L9	126.333-121.333	A	0.970	0.000	0.000	8.819	0.000	0.207
		B		0.000	0.000	30.213	0.000	0.380
		C		0.000	0.000	2.671	0.000	0.018
L10	121.333-120.083	A	0.968	0.000	0.000	3.318	0.000	0.058
		B		0.000	0.000	8.662	0.000	0.101
		C		0.000	0.000	1.781	0.000	0.011
L11	120.083-119.833	A	0.967	0.000	0.000	0.663	0.000	0.012
		B		0.000	0.000	1.732	0.000	0.020
		C		0.000	0.000	0.356	0.000	0.002
L12	119.833-117.500	A	0.966	0.000	0.000	6.191	0.000	0.108
		B		0.000	0.000	16.159	0.000	0.188
		C		0.000	0.000	4.737	0.000	0.028
L13	117.500-117.250	A	0.965	0.000	0.000	0.663	0.000	0.012
		B		0.000	0.000	1.731	0.000	0.020
		C		0.000	0.000	0.592	0.000	0.003
L14	117.250-115.500	A	0.964	0.000	0.000	6.056	0.000	0.089
		B		0.000	0.000	13.529	0.000	0.149
		C		0.000	0.000	4.141	0.000	0.024
L15	115.500-115.250	A	0.963	0.000	0.000	0.899	0.000	0.013
		B		0.000	0.000	1.966	0.000	0.022
		C		0.000	0.000	0.591	0.000	0.003
L16	115.250-110.250	A	0.961	0.000	0.000	17.967	0.000	0.259
		B		0.000	0.000	39.295	0.000	0.439
		C		0.000	0.000	11.821	0.000	0.069
L17	110.250-104.083	A	0.956	0.000	0.000	22.141	0.000	0.318
		B		0.000	0.000	48.404	0.000	0.543
		C		0.000	0.000	14.562	0.000	0.085
L18	104.083-102.820	A	0.953	0.000	0.000	4.535	0.000	0.065
		B		0.000	0.000	9.913	0.000	0.111
		C		0.000	0.000	2.982	0.000	0.017
L19	102.820-100.500	A	0.951	0.000	0.000	8.322	0.000	0.119
		B		0.000	0.000	18.185	0.000	0.203
		C		0.000	0.000	5.352	0.000	0.031
L20	100.500-100.250	A	0.950	0.000	0.000	1.194	0.000	0.014

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B		0.000	0.000	2.256	0.000	0.024
		C		0.000	0.000	0.589	0.000	0.003
L21	100.250-98.500	A	0.949	0.000	0.000	8.357	0.000	0.101
		B		0.000	0.000	15.791	0.000	0.165
		C		0.000	0.000	3.655	0.000	0.021
L22	98.500-98.250	A	0.948	0.000	0.000	1.194	0.000	0.014
		B		0.000	0.000	2.255	0.000	0.023
		C		0.000	0.000	0.354	0.000	0.002
L23	98.250-93.250	A	0.946	0.000	0.000	20.341	0.000	0.269
		B		0.000	0.000	41.556	0.000	0.449
		C		0.000	0.000	7.079	0.000	0.041
L24	93.250-90.500	A	0.942	0.000	0.000	10.416	0.000	0.143
		B		0.000	0.000	22.069	0.000	0.242
		C		0.000	0.000	3.889	0.000	0.022
L25	90.500-90.250	A	0.940	0.000	0.000	1.062	0.000	0.014
		B		0.000	0.000	2.120	0.000	0.023
		C		0.000	0.000	0.353	0.000	0.002
L26	90.250-85.250	A	0.937	0.000	0.000	21.513	0.000	0.273
		B		0.000	0.000	42.668	0.000	0.451
		C		0.000	0.000	7.352	0.000	0.042
L27	85.250-83.500	A	0.934	0.000	0.000	9.450	0.000	0.107
		B		0.000	0.000	16.845	0.000	0.169
		C		0.000	0.000	6.900	0.000	0.039
L28	83.500-83.250	A	0.933	0.000	0.000	1.350	0.000	0.015
		B		0.000	0.000	2.406	0.000	0.024
		C		0.000	0.000	1.043	0.000	0.006
L29	83.250-80.750	A	0.931	0.000	0.000	13.495	0.000	0.152
		B		0.000	0.000	24.050	0.000	0.241
		C		0.000	0.000	10.425	0.000	0.058
L30	80.750-80.500	A	0.929	0.000	0.000	1.349	0.000	0.015
		B		0.000	0.000	2.404	0.000	0.024
		C		0.000	0.000	1.042	0.000	0.006
L31	80.500-80.250	A	0.929	0.000	0.000	1.349	0.000	0.015
		B		0.000	0.000	2.404	0.000	0.024
		C		0.000	0.000	1.042	0.000	0.006
L32	80.250-77.500	A	0.927	0.000	0.000	14.837	0.000	0.167
		B		0.000	0.000	26.433	0.000	0.264
		C		0.000	0.000	11.461	0.000	0.064
L33	77.500-77.250	A	0.926	0.000	0.000	1.348	0.000	0.015
		B		0.000	0.000	2.402	0.000	0.024
		C		0.000	0.000	1.042	0.000	0.006
L34	77.250-68.820	A	0.920	0.000	0.000	41.181	0.000	0.485
		B		0.000	0.000	76.641	0.000	0.780
		C		0.000	0.000	30.835	0.000	0.168
L35	68.820-68.291	A	0.914	0.000	0.000	2.240	0.000	0.028
		B		0.000	0.000	4.465	0.000	0.047
		C		0.000	0.000	1.590	0.000	0.009
L36	68.291-64.250	A	0.911	0.000	0.000	20.440	0.000	0.234
		B		0.000	0.000	37.386	0.000	0.374
		C		0.000	0.000	15.482	0.000	0.083
L37	64.250-64.000	A	0.908	0.000	0.000	1.361	0.000	0.015
		B		0.000	0.000	2.409	0.000	0.024
		C		0.000	0.000	1.055	0.000	0.006
L38	64.000-60.500	A	0.906	0.000	0.000	19.053	0.000	0.210
		B		0.000	0.000	33.701	0.000	0.330
		C		0.000	0.000	15.738	0.000	0.085
L39	60.500-60.250	A	0.903	0.000	0.000	1.626	0.000	0.016
		B		0.000	0.000	2.671	0.000	0.025
		C		0.000	0.000	1.319	0.000	0.007
L40	60.250-60.083	A	0.903	0.000	0.000	1.086	0.000	0.011
		B		0.000	0.000	1.784	0.000	0.017

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C		0.000	0.000	0.881	0.000	0.005
L41	60.083-59.833	A	0.902	0.000	0.000	1.625	0.000	0.016
		B		0.000	0.000	2.670	0.000	0.025
		C		0.000	0.000	1.052	0.000	0.006
L42	59.833-59.083	A	0.902	0.000	0.000	4.876	0.000	0.049
		B		0.000	0.000	8.010	0.000	0.075
		C		0.000	0.000	2.758	0.000	0.015
L43	59.083-58.833	A	0.901	0.000	0.000	1.625	0.000	0.016
		B		0.000	0.000	2.670	0.000	0.025
		C		0.000	0.000	0.919	0.000	0.005
L44	58.833-55.417	A	0.898	0.000	0.000	22.064	0.000	0.224
		B		0.000	0.000	36.324	0.000	0.341
		C		0.000	0.000	12.555	0.000	0.070
L45	55.417-55.167	A	0.895	0.000	0.000	1.597	0.000	0.016
		B		0.000	0.000	2.640	0.000	0.025
		C		0.000	0.000	0.918	0.000	0.005
L46	55.167-54.750	A	0.894	0.000	0.000	2.706	0.000	0.027
		B		0.000	0.000	4.443	0.000	0.042
		C		0.000	0.000	1.530	0.000	0.008
L47	54.750-54.500	A	0.894	0.000	0.000	1.623	0.000	0.016
		B		0.000	0.000	2.665	0.000	0.025
		C		0.000	0.000	0.918	0.000	0.005
L48	54.500-49.500	A	0.890	0.000	0.000	29.402	0.000	0.310
		B		0.000	0.000	50.212	0.000	0.480
		C		0.000	0.000	15.301	0.000	0.085
L49	49.500-44.500	A	0.881	0.000	0.000	26.320	0.000	0.292
		B		0.000	0.000	47.064	0.000	0.460
		C		0.000	0.000	13.822	0.000	0.076
L50	44.500-41.250	A	0.873	0.000	0.000	17.085	0.000	0.189
		B		0.000	0.000	30.531	0.000	0.297
		C		0.000	0.000	13.105	0.000	0.069
L51	41.250-41.000	A	0.869	0.000	0.000	1.313	0.000	0.015
		B		0.000	0.000	2.346	0.000	0.023
		C		0.000	0.000	1.007	0.000	0.005
L52	41.000-34.291	A	0.861	0.000	0.000	39.712	0.000	0.411
		B		0.000	0.000	67.358	0.000	0.631
		C		0.000	0.000	31.498	0.000	0.163
L53	34.291-33.291	A	0.852	0.000	0.000	6.463	0.000	0.064
		B		0.000	0.000	10.584	0.000	0.097
		C		0.000	0.000	5.239	0.000	0.027
L54	33.291-31.500	A	0.848	0.000	0.000	11.552	0.000	0.114
		B		0.000	0.000	18.900	0.000	0.172
		C		0.000	0.000	9.361	0.000	0.048
L55	31.500-31.250	A	0.846	0.000	0.000	1.876	0.000	0.017
		B		0.000	0.000	2.637	0.000	0.024
		C		0.000	0.000	1.306	0.000	0.007
L56	31.250-30.500	A	0.844	0.000	0.000	5.628	0.000	0.052
		B		0.000	0.000	7.907	0.000	0.072
		C		0.000	0.000	3.434	0.000	0.017
L57	30.500-30.250	A	0.843	0.000	0.000	1.613	0.000	0.016
		B		0.000	0.000	2.637	0.000	0.024
		C		0.000	0.000	1.308	0.000	0.007
L58	30.250-25.750	A	0.836	0.000	0.000	29.678	0.000	0.299
		B		0.000	0.000	48.058	0.000	0.443
		C		0.000	0.000	24.174	0.000	0.134
L59	25.750-25.500	A	0.829	0.000	0.000	1.670	0.000	0.017
		B		0.000	0.000	2.689	0.000	0.025
		C		0.000	0.000	1.365	0.000	0.008
L60	25.500-24.667	A	0.827	0.000	0.000	5.676	0.000	0.057
		B		0.000	0.000	9.069	0.000	0.083
		C		0.000	0.000	4.969	0.000	0.031

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L61	24.667-24.417	A	0.825	0.000	0.000	1.702	0.000	0.017
		B		0.000	0.000	2.720	0.000	0.025
		C		0.000	0.000	1.490	0.000	0.009
L62	24.417-24.000	A	0.824	0.000	0.000	2.837	0.000	0.028
		B		0.000	0.000	4.532	0.000	0.042
		C		0.000	0.000	2.483	0.000	0.015
L63	24.000-23.750	A	0.823	0.000	0.000	1.702	0.000	0.017
		B		0.000	0.000	2.718	0.000	0.025
		C		0.000	0.000	1.489	0.000	0.009
L64	23.750-18.750	A	0.813	0.000	0.000	26.232	0.000	0.301
		B		0.000	0.000	46.489	0.000	0.456
		C		0.000	0.000	24.584	0.000	0.157
L65	18.750-14.083	A	0.793	0.000	0.000	19.971	0.000	0.258
		B		0.000	0.000	38.739	0.000	0.400
		C		0.000	0.000	21.983	0.000	0.138
L66	14.083-13.817	A	0.780	0.000	0.000	1.312	0.000	0.015
		B		0.000	0.000	2.376	0.000	0.023
		C		0.000	0.000	1.249	0.000	0.008
L67	13.817-13.667	A	0.779	0.000	0.000	0.739	0.000	0.009
		B		0.000	0.000	1.340	0.000	0.013
		C		0.000	0.000	0.704	0.000	0.004
L68	13.667-10.500	A	0.769	0.000	0.000	14.537	0.000	0.177
		B		0.000	0.000	28.205	0.000	0.276
		C		0.000	0.000	14.827	0.000	0.091
L69	10.500-10.250	A	0.757	0.000	0.000	0.967	0.000	0.013
		B		0.000	0.000	2.219	0.000	0.022
		C		0.000	0.000	1.027	0.000	0.007
L70	10.250-5.250	A	0.735	0.000	0.000	19.244	0.000	0.256
		B		0.000	0.000	44.111	0.000	0.423
		C		0.000	0.000	20.428	0.000	0.128
L71	5.250-2.900	A	0.690	0.000	0.000	8.953	0.000	0.117
		B		0.000	0.000	20.464	0.000	0.191
		C		0.000	0.000	9.483	0.000	0.056
L72	2.900-2.650	A	0.664	0.000	0.000	0.947	0.000	0.012
		B		0.000	0.000	2.161	0.000	0.020
		C		0.000	0.000	1.002	0.000	0.006
L73	2.650-2.500	A	0.659	0.000	0.000	0.568	0.000	0.007
		B		0.000	0.000	1.295	0.000	0.012
		C		0.000	0.000	0.600	0.000	0.003
L74	2.500-2.250	A	0.653	0.000	0.000	0.945	0.000	0.012
		B		0.000	0.000	2.154	0.000	0.020
		C		0.000	0.000	0.999	0.000	0.006
L75	2.250-1.917	A	0.645	0.000	0.000	1.256	0.000	0.016
		B		0.000	0.000	2.863	0.000	0.026
		C		0.000	0.000	1.327	0.000	0.007
L76	1.917-1.667	A	0.635	0.000	0.000	0.941	0.000	0.012
		B		0.000	0.000	2.143	0.000	0.019
		C		0.000	0.000	0.994	0.000	0.005
L77	1.667-0.000	A	0.588	0.000	0.000	6.208	0.000	0.077
		B		0.000	0.000	14.094	0.000	0.123
		C		0.000	0.000	6.540	0.000	0.033

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L1	160.333-155.333	1.611	-2.220	1.172	-1.682
L2	155.333-150.333	3.961	-5.460	2.724	-3.911
L3	150.333-146.833	3.961	-5.460	2.724	-3.911
L4	146.833-146.333	4.888	-6.734	3.416	-4.902
L5	146.333-141.333	4.911	-5.537	3.945	-4.615
L6	141.333-136.333	5.070	-5.648	4.092	-4.729
L7	136.333-131.333	4.724	-5.685	3.874	-4.789
L8	131.333-126.333	2.115	-4.835	2.083	-4.286
L9	126.333-121.333	1.947	-4.426	1.996	-4.045
L10	121.333-120.083	1.535	-3.484	1.711	-3.464
L11	120.083-119.833	1.542	-3.499	1.719	-3.480
L12	119.833-117.500	0.891	-2.958	1.226	-3.080
L13	117.500-117.250	0.555	-2.684	0.969	-2.878
L14	117.250-115.500	1.191	-2.883	1.434	-3.022
L15	115.500-115.250	1.291	-2.925	1.512	-3.058
L16	115.250-110.250	1.307	-2.961	1.534	-3.101
L17	110.250-104.083	1.343	-3.036	1.579	-3.190
L18	104.083-102.820	1.349	-3.050	1.588	-3.206
L19	102.820-100.500	1.316	-3.117	1.569	-3.267
L20	100.500-100.250	1.181	-3.727	1.441	-3.731
L21	100.250-98.500	1.418	-3.944	1.640	-3.913
L22	98.500-98.250	2.033	-4.490	2.149	-4.360
L23	98.250-93.250	1.595	-4.503	1.815	-4.376
L24	93.250-90.500	1.508	-4.578	1.758	-4.440
L25	90.500-90.250	0.892	-4.635	1.349	-4.509
L26	90.250-85.250	0.952	-4.606	1.397	-4.507
L27	85.250-83.500	0.553	-2.481	0.988	-2.884
L28	83.500-83.250	0.374	-2.345	0.844	-2.777
L29	83.250-80.750	0.376	-2.359	0.849	-2.794
L30	80.750-80.500	0.379	-2.373	0.855	-2.812
L31	80.500-80.250	0.379	-2.375	0.856	-2.815
L32	80.250-77.500	0.382	-2.390	0.861	-2.833
L33	77.500-77.250	0.384	-2.403	0.866	-2.851
L34	77.250-68.820	-0.036	-2.833	0.588	-3.227
L35	68.820-68.291	-0.699	-3.482	0.160	-3.722
L36	68.291-64.250	0.110	-2.741	0.709	-3.149
L37	64.250-64.000	0.423	-2.479	0.937	-2.931
L38	64.000-60.500	0.109	-2.543	0.661	-2.988
L39	60.500-60.250	0.447	-2.231	0.899	-2.673
L40	60.250-60.083	0.448	-2.233	0.900	-2.676
L41	60.083-59.833	1.286	-2.894	1.595	-3.228
L42	59.833-59.083	1.735	-3.251	1.964	-3.524
L43	59.083-58.833	1.739	-3.257	1.969	-3.531
L44	58.833-55.417	1.788	-3.270	2.014	-3.550
L45	55.417-55.167	1.866	-3.276	2.082	-3.564
L46	55.167-54.750	1.766	-3.306	2.001	-3.587
L47	54.750-54.500	1.767	-3.309	2.003	-3.591
L48	54.500-49.500	1.414	-3.889	1.737	-4.058
L49	49.500-44.500	0.657	-4.349	1.176	-4.412
L50	44.500-41.250	-0.570	-3.328	0.201	-3.627
L51	41.250-41.000	-0.574	-3.351	0.201	-3.650
L52	41.000-34.291	0.062	-2.821	0.657	-3.235
L53	34.291-33.291	0.490	-2.435	0.975	-2.910
L54	33.291-31.500	0.493	-2.448	0.977	-2.922
L55	31.500-31.250	1.294	-3.219	1.662	-3.584
L56	31.250-30.500	2.031	-3.130	2.327	-3.512
L57	30.500-30.250	0.417	-2.431	0.923	-2.916
L58	30.250-25.750	0.413	-2.406	0.916	-2.896
L59	25.750-25.500	0.414	-2.407	0.913	-2.891
L60	25.500-24.667	0.407	-2.145	0.892	-2.532
L61	24.667-24.417	0.408	-2.149	0.893	-2.536

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L62	24.417-24.000	0.408	-2.151	0.894	-2.539
L63	24.000-23.750	0.409	-2.154	0.895	-2.543
L64	23.750-18.750	0.007	-2.658	0.654	-3.011
L65	18.750-14.083	0.959	-1.988	1.450	-2.517
L66	14.083-13.817	0.908	-1.212	1.383	-1.840
L67	13.817-13.667	0.909	-1.213	1.384	-1.841
L68	13.667-10.500	0.579	-0.873	1.117	-1.571
L69	10.500-10.250	0.431	-0.512	1.012	-1.306
L70	10.250-5.250	0.435	-0.516	1.013	-1.314
L71	5.250-2.900	0.439	-0.521	1.008	-1.321
L72	2.900-2.650	0.440	-0.523	1.003	-1.323
L73	2.650-2.500	0.441	-0.523	1.002	-1.323
L74	2.500-2.250	0.441	-0.524	1.001	-1.323
L75	2.250-1.917	0.441	-0.524	0.999	-1.323
L76	1.917-1.667	0.441	-0.524	0.996	-1.322
L77	1.667-0.000	0.443	-0.526	0.981	-1.319

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	1	LDF7-50A(1-5/8")	155.33 - 156.00	1.0000	1.0000
L1	2	LDF7-50A(1-5/8")	155.33 - 156.00	1.0000	1.0000
L1	5	2" Rigid Conduit	155.33 - 156.00	1.0000	1.0000
L1	7	PWRT-606-S(7/8)	155.33 - 156.00	1.0000	1.0000
L1	8	PWRT-606-S(7/8)	155.33 - 156.00	1.0000	1.0000
L1	9	FB-L98B-034-XXX(3/8")	155.33 - 156.00	1.0000	1.0000
L2	1	LDF7-50A(1-5/8")	150.33 - 155.33	1.0000	1.0000
L2	2	LDF7-50A(1-5/8")	150.33 - 155.33	1.0000	1.0000
L2	5	2" Rigid Conduit	150.33 - 155.33	1.0000	1.0000
L2	7	PWRT-606-S(7/8)	150.33 - 155.33	1.0000	1.0000
L2	8	PWRT-606-S(7/8)	150.33 - 155.33	1.0000	1.0000
L2	9	FB-L98B-034-XXX(3/8")	150.33 - 155.33	1.0000	1.0000
L3	1	LDF7-50A(1-5/8")	146.83 - 150.33	1.0000	1.0000
L3	2	LDF7-50A(1-5/8")	146.83 - 150.33	1.0000	1.0000
L3	5	2" Rigid Conduit	146.83 - 150.33	1.0000	1.0000
L3	7	PWRT-606-S(7/8)	146.83 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L3	8	PWRT-606-S(7/8)	146.83 - 150.33	1.0000	1.0000
L3	9	FB-L98B-034-XXX(3/8")	146.83 - 150.33	1.0000	1.0000
L4	1	LDF7-50A(1-5/8")	146.33 - 146.83	1.0000	1.0000
L4	2	LDF7-50A(1-5/8")	146.33 - 146.83	1.0000	1.0000
L4	5	2" Rigid Conduit	146.33 - 146.83	1.0000	1.0000
L4	7	PWRT-606-S(7/8)	146.33 - 146.83	1.0000	1.0000
L4	8	PWRT-606-S(7/8)	146.33 - 146.83	1.0000	1.0000
L4	9	FB-L98B-034-XXX(3/8")	146.33 - 146.83	1.0000	1.0000
L5	1	LDF7-50A(1-5/8")	141.33 - 146.33	1.0000	1.0000
L5	2	LDF7-50A(1-5/8")	141.33 - 146.33	1.0000	1.0000
L5	5	2" Rigid Conduit	141.33 - 146.33	1.0000	1.0000
L5	7	PWRT-606-S(7/8)	141.33 - 146.33	1.0000	1.0000
L5	8	PWRT-606-S(7/8)	141.33 - 146.33	1.0000	1.0000
L5	9	FB-L98B-034-XXX(3/8")	141.33 - 146.33	1.0000	1.0000
L5	11	FDH1204-24SE2-70M(1-3/4)	141.33 - 146.00	1.0000	1.0000
L6	1	LDF7-50A(1-5/8")	136.33 - 141.33	1.0000	1.0000
L6	2	LDF7-50A(1-5/8")	136.33 - 141.33	1.0000	1.0000
L6	5	2" Rigid Conduit	136.33 - 141.33	1.0000	1.0000
L6	7	PWRT-606-S(7/8)	136.33 - 141.33	1.0000	1.0000
L6	8	PWRT-606-S(7/8)	136.33 - 141.33	1.0000	1.0000
L6	9	FB-L98B-034-XXX(3/8")	136.33 - 141.33	1.0000	1.0000
L6	11	FDH1204-24SE2-70M(1-3/4)	136.33 - 141.33	1.0000	1.0000
L7	1	LDF7-50A(1-5/8")	131.33 - 136.33	1.0000	1.0000
L7	2	LDF7-50A(1-5/8")	131.33 - 136.33	1.0000	1.0000
L7	5	2" Rigid Conduit	131.33 - 136.33	1.0000	1.0000
L7	7	PWRT-606-S(7/8)	131.33 - 136.33	1.0000	1.0000
L7	8	PWRT-606-S(7/8)	131.33 - 136.33	1.0000	1.0000
L7	9	FB-L98B-034-XXX(3/8")	131.33 - 136.33	1.0000	1.0000
L7	11	FDH1204-24SE2-70M(1-3/4)	131.33 - 136.33	1.0000	1.0000
L7	15	561(1-5/8")	131.33 - 132.00	1.0000	1.0000
L8	1	LDF7-50A(1-5/8")	126.33 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L8	2	LDF7-50A(1-5/8")	126.33 - 131.33	1.0000	1.0000
L8	5	2" Rigid Conduit	126.33 - 131.33	1.0000	1.0000
L8	7	PWRT-606-S(7/8)	126.33 - 131.33	1.0000	1.0000
L8	8	PWRT-606-S(7/8)	126.33 - 131.33	1.0000	1.0000
L8	9	FB-L98B-034-XXX(3/8")	126.33 - 131.33	1.0000	1.0000
L8	11	FDH1204-24SE2-70M(1-3/4)	126.33 - 131.33	1.0000	1.0000
L8	15	561(1-5/8")	126.33 - 131.33	1.0000	1.0000
L8	23	Safety Line 3/8	126.33 - 130.00	1.0000	1.0000
L9	1	LDF7-50A(1-5/8")	121.33 - 126.33	1.0000	1.0000
L9	2	LDF7-50A(1-5/8")	121.33 - 126.33	1.0000	1.0000
L9	5	2" Rigid Conduit	121.33 - 126.33	1.0000	1.0000
L9	7	PWRT-606-S(7/8)	121.33 - 126.33	1.0000	1.0000
L9	8	PWRT-606-S(7/8)	121.33 - 126.33	1.0000	1.0000
L9	9	FB-L98B-034-XXX(3/8")	121.33 - 126.33	1.0000	1.0000
L9	11	FDH1204-24SE2-70M(1-3/4)	121.33 - 126.33	1.0000	1.0000
L9	15	561(1-5/8")	121.33 - 126.33	1.0000	1.0000
L9	23	Safety Line 3/8	121.33 - 126.33	1.0000	1.0000
L9	67	CCI 6" x 1" Plate	121.33 - 122.60	1.0000	1.0000
L9	68	CCI 6" x 1" Plate	121.33 - 122.60	1.0000	1.0000
L9	69	CCI 6" x 1" Plate	121.33 - 122.60	1.0000	1.0000
L10	1	LDF7-50A(1-5/8")	120.08 - 121.33	1.0000	1.0000
L10	2	LDF7-50A(1-5/8")	120.08 - 121.33	1.0000	1.0000
L10	5	2" Rigid Conduit	120.08 - 121.33	1.0000	1.0000
L10	7	PWRT-606-S(7/8)	120.08 - 121.33	1.0000	1.0000
L10	8	PWRT-606-S(7/8)	120.08 - 121.33	1.0000	1.0000
L10	9	FB-L98B-034-XXX(3/8")	120.08 - 121.33	1.0000	1.0000
L10	11	FDH1204-24SE2-70M(1-3/4)	120.08 - 121.33	1.0000	1.0000
L10	15	561(1-5/8")	120.08 - 121.33	1.0000	1.0000
L10	23	Safety Line 3/8	120.08 - 121.33	1.0000	1.0000
L10	67	CCI 6" x 1" Plate	120.08 - 121.33	1.0000	1.0000
L10	68	CCI 6" x 1" Plate	120.08 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L10	69	CCI 6" x 1" Plate	120.08 - 121.33	1.0000	1.0000
L11	1	LDF7-50A(1-5/8")	119.83 - 120.08	1.0000	1.0000
L11	2	LDF7-50A(1-5/8")	119.83 - 120.08	1.0000	1.0000
L11	5	2" Rigid Conduit	119.83 - 120.08	1.0000	1.0000
L11	7	PWRT-606-S(7/8)	119.83 - 120.08	1.0000	1.0000
L11	8	PWRT-606-S(7/8)	119.83 - 120.08	1.0000	1.0000
L11	9	FB-L98B-034-XXX(3/8")	119.83 - 120.08	1.0000	1.0000
L11	11	FDH1204-24SE2-70M(1-3/4)	119.83 - 120.08	1.0000	1.0000
L11	15	561(1-5/8")	119.83 - 120.08	1.0000	1.0000
L11	23	Safety Line 3/8	119.83 - 120.08	1.0000	1.0000
L11	67	CCI 6" x 1" Plate	119.83 - 120.08	1.0000	1.0000
L11	68	CCI 6" x 1" Plate	119.83 - 120.08	1.0000	1.0000
L11	69	CCI 6" x 1" Plate	119.83 - 120.08	1.0000	1.0000
L12	1	LDF7-50A(1-5/8")	117.50 - 119.83	1.0000	1.0000
L12	2	LDF7-50A(1-5/8")	117.50 - 119.83	1.0000	1.0000
L12	5	2" Rigid Conduit	117.50 - 119.83	1.0000	1.0000
L12	7	PWRT-606-S(7/8)	117.50 - 119.83	1.0000	1.0000
L12	8	PWRT-606-S(7/8)	117.50 - 119.83	1.0000	1.0000
L12	9	FB-L98B-034-XXX(3/8")	117.50 - 119.83	1.0000	1.0000
L12	11	FDH1204-24SE2-70M(1-3/4)	117.50 - 119.83	1.0000	1.0000
L12	15	561(1-5/8")	117.50 - 119.83	1.0000	1.0000
L12	23	Safety Line 3/8	117.50 - 119.83	1.0000	1.0000
L12	57	CCI 4.5" x 1" Plate	117.50 - 119.00	1.0000	1.0000
L12	67	CCI 6" x 1" Plate	117.50 - 119.83	1.0000	1.0000
L12	68	CCI 6" x 1" Plate	117.50 - 119.83	1.0000	1.0000
L12	69	CCI 6" x 1" Plate	117.50 - 119.83	1.0000	1.0000
L13	1	LDF7-50A(1-5/8")	117.25 - 117.50	1.0000	1.0000
L13	2	LDF7-50A(1-5/8")	117.25 - 117.50	1.0000	1.0000
L13	5	2" Rigid Conduit	117.25 - 117.50	1.0000	1.0000
L13	7	PWRT-606-S(7/8)	117.25 - 117.50	1.0000	1.0000
L13	8	PWRT-606-S(7/8)	117.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L13	9	FB-L98B-034-XXX(3/8")	117.50 117.25 - 117.50	1.0000	1.0000
L13	11	FDH1204-24SE2-70M(1-3/4)	117.25 - 117.50	1.0000	1.0000
L13	15	561(1-5/8")	117.25 - 117.50	1.0000	1.0000
L13	23	Safety Line 3/8	117.25 - 117.50	1.0000	1.0000
L13	57	CCI 4.5" x 1" Plate	117.25 - 117.50	1.0000	1.0000
L13	67	CCI 6" x 1" Plate	117.25 - 117.50	1.0000	1.0000
L13	68	CCI 6" x 1" Plate	117.25 - 117.50	1.0000	1.0000
L13	69	CCI 6" x 1" Plate	117.25 - 117.50	1.0000	1.0000
L14	1	LDF7-50A(1-5/8")	115.50 - 117.25	1.0000	1.0000
L14	2	LDF7-50A(1-5/8")	115.50 - 117.25	1.0000	1.0000
L14	5	2" Rigid Conduit	115.50 - 117.25	1.0000	1.0000
L14	7	PWRT-606-S(7/8)	115.50 - 117.25	1.0000	1.0000
L14	8	PWRT-606-S(7/8)	115.50 - 117.25	1.0000	1.0000
L14	9	FB-L98B-034-XXX(3/8")	115.50 - 117.25	1.0000	1.0000
L14	11	FDH1204-24SE2-70M(1-3/4)	115.50 - 117.25	1.0000	1.0000
L14	15	561(1-5/8")	115.50 - 117.25	1.0000	1.0000
L14	23	Safety Line 3/8	115.50 - 117.25	1.0000	1.0000
L14	55	CCI 4.5" x 1" Plate	115.50 - 117.00	1.0000	1.0000
L14	56	CCI 4.5" x 1" Plate	115.50 - 117.00	1.0000	1.0000
L14	57	CCI 4.5" x 1" Plate	115.50 - 117.25	1.0000	1.0000
L14	67	CCI 6" x 1" Plate	115.50 - 117.25	1.0000	1.0000
L14	68	CCI 6" x 1" Plate	115.50 - 117.25	1.0000	1.0000
L14	69	CCI 6" x 1" Plate	115.50 - 117.25	1.0000	1.0000
L15	1	LDF7-50A(1-5/8")	115.25 - 115.50	1.0000	1.0000
L15	2	LDF7-50A(1-5/8")	115.25 - 115.50	1.0000	1.0000
L15	5	2" Rigid Conduit	115.25 - 115.50	1.0000	1.0000
L15	7	PWRT-606-S(7/8)	115.25 - 115.50	1.0000	1.0000
L15	8	PWRT-606-S(7/8)	115.25 - 115.50	1.0000	1.0000
L15	9	FB-L98B-034-XXX(3/8")	115.25 - 115.50	1.0000	1.0000
L15	11	FDH1204-24SE2-70M(1-3/4)	115.25 - 115.50	1.0000	1.0000
L15	15	561(1-5/8")	115.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L15	23	Safety Line 3/8	115.50 115.25 - 115.50	1.0000	1.0000
L15	55	CCI 4.5" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L15	56	CCI 4.5" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L15	57	CCI 4.5" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L15	67	CCI 6" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L15	68	CCI 6" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L15	69	CCI 6" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L16	1	LDF7-50A(1-5/8")	110.25 - 115.25	1.0000	1.0000
L16	2	LDF7-50A(1-5/8")	110.25 - 115.25	1.0000	1.0000
L16	5	2" Rigid Conduit	110.25 - 115.25	1.0000	1.0000
L16	7	PWRT-606-S(7/8)	110.25 - 115.25	1.0000	1.0000
L16	8	PWRT-606-S(7/8)	110.25 - 115.25	1.0000	1.0000
L16	9	FB-L98B-034-XXX(3/8")	110.25 - 115.25	1.0000	1.0000
L16	11	FDH1204-24SE2-70M(1-3/4)	110.25 - 115.25	1.0000	1.0000
L16	15	561(1-5/8")	110.25 - 115.25	1.0000	1.0000
L16	23	Safety Line 3/8	110.25 - 115.25	1.0000	1.0000
L16	55	CCI 4.5" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L16	56	CCI 4.5" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L16	57	CCI 4.5" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L16	67	CCI 6" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L16	68	CCI 6" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L16	69	CCI 6" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L17	1	LDF7-50A(1-5/8")	104.08 - 110.25	1.0000	1.0000
L17	2	LDF7-50A(1-5/8")	104.08 - 110.25	1.0000	1.0000
L17	5	2" Rigid Conduit	104.08 - 110.25	1.0000	1.0000
L17	7	PWRT-606-S(7/8)	104.08 - 110.25	1.0000	1.0000
L17	8	PWRT-606-S(7/8)	104.08 - 110.25	1.0000	1.0000
L17	9	FB-L98B-034-XXX(3/8")	104.08 - 110.25	1.0000	1.0000
L17	11	FDH1204-24SE2-70M(1-3/4)	104.08 - 110.25	1.0000	1.0000
L17	15	561(1-5/8")	104.08 - 110.25	1.0000	1.0000
L17	23	Safety Line 3/8	104.08 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L17	55	CCI 4.5" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L17	56	CCI 4.5" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L17	57	CCI 4.5" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L17	67	CCI 6" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L17	68	CCI 6" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L17	69	CCI 6" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L18	1	LDF7-50A(1-5/8")	102.82 - 104.08	1.0000	1.0000
L18	2	LDF7-50A(1-5/8")	102.82 - 104.08	1.0000	1.0000
L18	5	2" Rigid Conduit	102.82 - 104.08	1.0000	1.0000
L18	7	PWRT-606-S(7/8)	102.82 - 104.08	1.0000	1.0000
L18	8	PWRT-606-S(7/8)	102.82 - 104.08	1.0000	1.0000
L18	9	FB-L98B-034-XXX(3/8")	102.82 - 104.08	1.0000	1.0000
L18	11	FDH1204-24SE2-70M(1-3/4)	102.82 - 104.08	1.0000	1.0000
L18	15	561(1-5/8")	102.82 - 104.08	1.0000	1.0000
L18	23	Safety Line 3/8	102.82 - 104.08	1.0000	1.0000
L18	55	CCI 4.5" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L18	56	CCI 4.5" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L18	57	CCI 4.5" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L18	67	CCI 6" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L18	68	CCI 6" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L18	69	CCI 6" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L19	1	LDF7-50A(1-5/8")	100.50 - 102.82	1.0000	1.0000
L19	2	LDF7-50A(1-5/8")	100.50 - 102.82	1.0000	1.0000
L19	5	2" Rigid Conduit	100.50 - 102.82	1.0000	1.0000
L19	7	PWRT-606-S(7/8)	100.50 - 102.82	1.0000	1.0000
L19	8	PWRT-606-S(7/8)	100.50 - 102.82	1.0000	1.0000
L19	9	FB-L98B-034-XXX(3/8")	100.50 - 102.82	1.0000	1.0000
L19	11	FDH1204-24SE2-70M(1-3/4)	100.50 - 102.82	1.0000	1.0000
L19	15	561(1-5/8")	100.50 - 102.82	1.0000	1.0000
L19	23	Safety Line 3/8	100.50 - 102.82	1.0000	1.0000
L19	55	CCI 4.5" x 1" Plate	100.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			102.82		
L19	56	CCI 4.5" x 1" Plate	100.50 - 102.82	1.0000	1.0000
L19	57	CCI 4.5" x 1" Plate	100.50 - 102.82	1.0000	1.0000
L19	67	CCI 6" x 1" Plate	100.50 - 102.82	1.0000	1.0000
L19	68	CCI 6" x 1" Plate	100.50 - 102.82	1.0000	1.0000
L19	69	CCI 6" x 1" Plate	100.60 - 102.82	1.0000	1.0000
L20	1	LDF7-50A(1-5/8")	100.25 - 100.50	1.0000	1.0000
L20	2	LDF7-50A(1-5/8")	100.25 - 100.50	1.0000	1.0000
L20	5	2" Rigid Conduit	100.25 - 100.50	1.0000	1.0000
L20	7	PWRT-606-S(7/8)	100.25 - 100.50	1.0000	1.0000
L20	8	PWRT-606-S(7/8)	100.25 - 100.50	1.0000	1.0000
L20	9	FB-L98B-034-XXX(3/8")	100.25 - 100.50	1.0000	1.0000
L20	11	FDH1204-24SE2-70M(1-3/4)	100.25 - 100.50	1.0000	1.0000
L20	15	561(1-5/8")	100.25 - 100.50	1.0000	1.0000
L20	23	Safety Line 3/8	100.25 - 100.50	1.0000	1.0000
L20	41	CCI 6" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	42	CCI 6" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	43	CCI 6" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	55	CCI 4.5" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	56	CCI 4.5" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	57	CCI 4.5" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	67	CCI 6" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	68	CCI 6" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L21	1	LDF7-50A(1-5/8")	98.50 - 100.25	1.0000	1.0000
L21	2	LDF7-50A(1-5/8")	98.50 - 100.25	1.0000	1.0000
L21	5	2" Rigid Conduit	98.50 - 100.25	1.0000	1.0000
L21	7	PWRT-606-S(7/8)	98.50 - 100.25	1.0000	1.0000
L21	8	PWRT-606-S(7/8)	98.50 - 100.25	1.0000	1.0000
L21	9	FB-L98B-034-XXX(3/8")	98.50 - 100.25	1.0000	1.0000
L21	11	FDH1204-24SE2-70M(1-3/4)	98.50 - 100.25	1.0000	1.0000
L21	15	561(1-5/8")	98.50 - 100.25	1.0000	1.0000
L21	23	Safety Line 3/8	98.50 - 100.25	1.0000	1.0000
L21	41	CCI 6" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	42	CCI 6" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	43	CCI 6" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	55	CCI 4.5" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	56	CCI 4.5" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	57	CCI 4.5" x 1" Plate	99.00 - 100.25	1.0000	1.0000
L21	67	CCI 6" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	68	CCI 6" x 1" Plate	98.50 - 100.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L22	1	LDF7-50A(1-5/8")	98.25 - 98.50	1.0000	1.0000
L22	2	LDF7-50A(1-5/8")	98.25 - 98.50	1.0000	1.0000
L22	5	2" Rigid Conduit	98.25 - 98.50	1.0000	1.0000
L22	7	PWRT-606-S(7/8)	98.25 - 98.50	1.0000	1.0000
L22	8	PWRT-606-S(7/8)	98.25 - 98.50	1.0000	1.0000
L22	9	FB-L98B-034-XXX(3/8")	98.25 - 98.50	1.0000	1.0000
L22	11	FDH1204-24SE2-70M(1-3/4)	98.25 - 98.50	1.0000	1.0000
L22	15	561(1-5/8")	98.25 - 98.50	1.0000	1.0000
L22	23	Safety Line 3/8	98.25 - 98.50	1.0000	1.0000
L22	41	CCI 6" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	42	CCI 6" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	43	CCI 6" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	55	CCI 4.5" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	56	CCI 4.5" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	67	CCI 6" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	68	CCI 6" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L23	1	LDF7-50A(1-5/8")	93.25 - 98.25	1.0000	1.0000
L23	2	LDF7-50A(1-5/8")	93.25 - 98.25	1.0000	1.0000
L23	5	2" Rigid Conduit	93.25 - 98.25	1.0000	1.0000
L23	7	PWRT-606-S(7/8)	93.25 - 98.25	1.0000	1.0000
L23	8	PWRT-606-S(7/8)	93.25 - 98.25	1.0000	1.0000
L23	9	FB-L98B-034-XXX(3/8")	93.25 - 98.25	1.0000	1.0000
L23	11	FDH1204-24SE2-70M(1-3/4)	93.25 - 98.25	1.0000	1.0000
L23	15	561(1-5/8")	93.25 - 98.25	1.0000	1.0000
L23	23	Safety Line 3/8	93.25 - 98.25	1.0000	1.0000
L23	41	CCI 6" x 1" Plate	93.25 - 98.25	1.0000	1.0000
L23	42	CCI 6" x 1" Plate	93.25 - 98.25	1.0000	1.0000
L23	43	CCI 6" x 1" Plate	93.25 - 98.25	1.0000	1.0000
L23	55	CCI 4.5" x 1" Plate	97.00 - 98.25	1.0000	1.0000
L23	56	CCI 4.5" x 1" Plate	97.00 - 98.25	1.0000	1.0000
L23	67	CCI 6" x 1" Plate	93.25 - 98.25	1.0000	1.0000
L23	68	CCI 6" x 1" Plate	93.25 - 98.25	1.0000	1.0000
L24	1	LDF7-50A(1-5/8")	90.50 - 93.25	1.0000	1.0000
L24	2	LDF7-50A(1-5/8")	90.50 - 93.25	1.0000	1.0000
L24	5	2" Rigid Conduit	90.50 - 93.25	1.0000	1.0000
L24	7	PWRT-606-S(7/8)	90.50 - 93.25	1.0000	1.0000
L24	8	PWRT-606-S(7/8)	90.50 - 93.25	1.0000	1.0000
L24	9	FB-L98B-034-XXX(3/8")	90.50 - 93.25	1.0000	1.0000
L24	11	FDH1204-24SE2-70M(1-3/4)	90.50 - 93.25	1.0000	1.0000
L24	15	561(1-5/8")	90.50 - 93.25	1.0000	1.0000
L24	23	Safety Line 3/8	90.50 - 93.25	1.0000	1.0000
L24	41	CCI 6" x 1" Plate	90.50 - 93.25	1.0000	1.0000
L24	42	CCI 6" x 1" Plate	90.50 - 93.25	1.0000	1.0000
L24	43	CCI 6" x 1" Plate	90.50 - 93.25	1.0000	1.0000
L24	67	CCI 6" x 1" Plate	90.60 - 93.25	1.0000	1.0000
L24	68	CCI 6" x 1" Plate	90.60 - 93.25	1.0000	1.0000
L25	1	LDF7-50A(1-5/8")	90.25 - 90.50	1.0000	1.0000
L25	2	LDF7-50A(1-5/8")	90.25 - 90.50	1.0000	1.0000
L25	5	2" Rigid Conduit	90.25 - 90.50	1.0000	1.0000
L25	7	PWRT-606-S(7/8)	90.25 - 90.50	1.0000	1.0000
L25	8	PWRT-606-S(7/8)	90.25 - 90.50	1.0000	1.0000
L25	9	FB-L98B-034-XXX(3/8")	90.25 - 90.50	1.0000	1.0000
L25	11	FDH1204-24SE2-70M(1-3/4)	90.25 - 90.50	1.0000	1.0000
L25	15	561(1-5/8")	90.25 - 90.50	1.0000	1.0000
L25	23	Safety Line 3/8	90.25 - 90.50	1.0000	1.0000
L25	41	CCI 6" x 1" Plate	90.25 - 90.50	1.0000	1.0000
L25	42	CCI 6" x 1" Plate	90.25 - 90.50	1.0000	1.0000
L25	43	CCI 6" x 1" Plate	90.25 - 90.50	1.0000	1.0000
L25	65	CCI 8.5" x 1.25" Plate	90.25 - 90.50	1.0000	1.0000
L25	66	CCI 8.5" x 1.25" Plate	90.25 - 90.50	1.0000	1.0000
L26	1	LDF7-50A(1-5/8")	85.25 - 90.25	1.0000	1.0000
L26	2	LDF7-50A(1-5/8")	85.25 - 90.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L26	5	2" Rigid Conduit	85.25 - 90.25	1.0000	1.0000
L26	7	PWRT-606-S(7/8)	85.25 - 90.25	1.0000	1.0000
L26	8	PWRT-606-S(7/8)	85.25 - 90.25	1.0000	1.0000
L26	9	FB-L98B-034-XXX(3/8")	85.25 - 90.25	1.0000	1.0000
L26	11	FDH1204-24SE2-70M(1-3/4)	85.25 - 90.25	1.0000	1.0000
L26	15	561(1-5/8")	85.25 - 90.25	1.0000	1.0000
L26	23	Safety Line 3/8	85.25 - 90.25	1.0000	1.0000
L26	41	CCI 6" x 1" Plate	85.25 - 90.25	1.0000	1.0000
L26	42	CCI 6" x 1" Plate	85.25 - 90.25	1.0000	1.0000
L26	43	CCI 6" x 1" Plate	85.25 - 90.25	1.0000	1.0000
L26	51	CCI 6.5" x 1.25" Plate	85.25 - 85.50	1.0000	1.0000
L26	52	CCI 6.5" x 1.25" Plate	85.25 - 85.50	1.0000	1.0000
L26	53	CCI 6.5" x 1.25" Plate	85.25 - 85.50	1.0000	1.0000
L26	65	CCI 8.5" x 1.25" Plate	85.25 - 90.25	1.0000	1.0000
L26	66	CCI 8.5" x 1.25" Plate	85.25 - 90.25	1.0000	1.0000
L27	1	LDF7-50A(1-5/8")	83.50 - 85.25	1.0000	1.0000
L27	2	LDF7-50A(1-5/8")	83.50 - 85.25	1.0000	1.0000
L27	5	2" Rigid Conduit	83.50 - 85.25	1.0000	1.0000
L27	7	PWRT-606-S(7/8)	83.50 - 85.25	1.0000	1.0000
L27	8	PWRT-606-S(7/8)	83.50 - 85.25	1.0000	1.0000
L27	9	FB-L98B-034-XXX(3/8")	83.50 - 85.25	1.0000	1.0000
L27	11	FDH1204-24SE2-70M(1-3/4)	83.50 - 85.25	1.0000	1.0000
L27	15	561(1-5/8")	83.50 - 85.25	1.0000	1.0000
L27	23	Safety Line 3/8	83.50 - 85.25	1.0000	1.0000
L27	41	CCI 6" x 1" Plate	83.50 - 85.25	1.0000	1.0000
L27	42	CCI 6" x 1" Plate	83.50 - 85.25	1.0000	1.0000
L27	43	CCI 6" x 1" Plate	83.50 - 85.25	1.0000	1.0000
L27	51	CCI 6.5" x 1.25" Plate	83.50 - 85.25	1.0000	1.0000
L27	52	CCI 6.5" x 1.25" Plate	83.50 - 85.25	1.0000	1.0000
L27	53	CCI 6.5" x 1.25" Plate	83.50 - 85.25	1.0000	1.0000
L27	61	CCI 8.5" x 1.25" Plate	83.50 - 85.00	1.0000	1.0000
L27	65	CCI 8.5" x 1.25" Plate	83.50 - 85.25	1.0000	1.0000
L27	66	CCI 8.5" x 1.25" Plate	83.50 - 85.25	1.0000	1.0000
L28	1	LDF7-50A(1-5/8")	83.25 - 83.50	1.0000	1.0000
L28	2	LDF7-50A(1-5/8")	83.25 - 83.50	1.0000	1.0000
L28	5	2" Rigid Conduit	83.25 - 83.50	1.0000	1.0000
L28	7	PWRT-606-S(7/8)	83.25 - 83.50	1.0000	1.0000
L28	8	PWRT-606-S(7/8)	83.25 - 83.50	1.0000	1.0000
L28	9	FB-L98B-034-XXX(3/8")	83.25 - 83.50	1.0000	1.0000
L28	11	FDH1204-24SE2-70M(1-3/4)	83.25 - 83.50	1.0000	1.0000
L28	15	561(1-5/8")	83.25 - 83.50	1.0000	1.0000
L28	23	Safety Line 3/8	83.25 - 83.50	1.0000	1.0000
L28	41	CCI 6" x 1" Plate	83.25 - 83.50	1.0000	1.0000
L28	42	CCI 6" x 1" Plate	83.25 - 83.50	1.0000	1.0000
L28	43	CCI 6" x 1" Plate	83.25 - 83.50	1.0000	1.0000
L28	51	CCI 6.5" x 1.25" Plate	83.25 - 83.50	1.0000	1.0000
L28	52	CCI 6.5" x 1.25" Plate	83.25 - 83.50	1.0000	1.0000
L28	53	CCI 6.5" x 1.25" Plate	83.25 - 83.50	1.0000	1.0000
L28	61	CCI 8.5" x 1.25" Plate	83.25 - 83.50	1.0000	1.0000
L28	65	CCI 8.5" x 1.25" Plate	83.25 - 83.50	1.0000	1.0000
L28	66	CCI 8.5" x 1.25" Plate	83.25 - 83.50	1.0000	1.0000
L29	1	LDF7-50A(1-5/8")	80.75 - 83.25	1.0000	1.0000
L29	2	LDF7-50A(1-5/8")	80.75 - 83.25	1.0000	1.0000
L29	5	2" Rigid Conduit	80.75 - 83.25	1.0000	1.0000
L29	7	PWRT-606-S(7/8)	80.75 - 83.25	1.0000	1.0000
L29	8	PWRT-606-S(7/8)	80.75 - 83.25	1.0000	1.0000
L29	9	FB-L98B-034-XXX(3/8")	80.75 - 83.25	1.0000	1.0000
L29	11	FDH1204-24SE2-70M(1-3/4)	80.75 - 83.25	1.0000	1.0000
L29	15	561(1-5/8")	80.75 - 83.25	1.0000	1.0000
L29	23	Safety Line 3/8	80.75 - 83.25	1.0000	1.0000
L29	41	CCI 6" x 1" Plate	80.75 - 83.25	1.0000	1.0000
L29	42	CCI 6" x 1" Plate	80.75 - 83.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L29	43	CCI 6" x 1" Plate	80.75 - 83.25	1.0000	1.0000
L29	51	CCI 6.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L29	52	CCI 6.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L29	53	CCI 6.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L29	61	CCI 8.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L29	65	CCI 8.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L29	66	CCI 8.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L30	1	LDF7-50A(1-5/8")	80.50 - 80.75	1.0000	1.0000
L30	2	LDF7-50A(1-5/8")	80.50 - 80.75	1.0000	1.0000
L30	5	2" Rigid Conduit	80.50 - 80.75	1.0000	1.0000
L30	7	PWRT-606-S(7/8)	80.50 - 80.75	1.0000	1.0000
L30	8	PWRT-606-S(7/8)	80.50 - 80.75	1.0000	1.0000
L30	9	FB-L98B-034-XXX(3/8")	80.50 - 80.75	1.0000	1.0000
L30	11	FDH1204-24SE2-70M(1-3/4)	80.50 - 80.75	1.0000	1.0000
L30	15	561(1-5/8")	80.50 - 80.75	1.0000	1.0000
L30	23	Safety Line 3/8	80.50 - 80.75	1.0000	1.0000
L30	41	CCI 6" x 1" Plate	80.50 - 80.75	1.0000	1.0000
L30	42	CCI 6" x 1" Plate	80.50 - 80.75	1.0000	1.0000
L30	43	CCI 6" x 1" Plate	80.50 - 80.75	1.0000	1.0000
L30	51	CCI 6.5" x 1.25" Plate	80.50 - 80.75	1.0000	1.0000
L30	52	CCI 6.5" x 1.25" Plate	80.50 - 80.75	1.0000	1.0000
L30	53	CCI 6.5" x 1.25" Plate	80.50 - 80.75	1.0000	1.0000
L30	61	CCI 8.5" x 1.25" Plate	80.50 - 80.75	1.0000	1.0000
L30	65	CCI 8.5" x 1.25" Plate	80.50 - 80.75	1.0000	1.0000
L30	66	CCI 8.5" x 1.25" Plate	80.50 - 80.75	1.0000	1.0000
L31	1	LDF7-50A(1-5/8")	80.25 - 80.50	1.0000	1.0000
L31	2	LDF7-50A(1-5/8")	80.25 - 80.50	1.0000	1.0000
L31	5	2" Rigid Conduit	80.25 - 80.50	1.0000	1.0000
L31	7	PWRT-606-S(7/8)	80.25 - 80.50	1.0000	1.0000
L31	8	PWRT-606-S(7/8)	80.25 - 80.50	1.0000	1.0000
L31	9	FB-L98B-034-XXX(3/8")	80.25 - 80.50	1.0000	1.0000
L31	11	FDH1204-24SE2-70M(1-3/4)	80.25 - 80.50	1.0000	1.0000
L31	15	561(1-5/8")	80.25 - 80.50	1.0000	1.0000
L31	23	Safety Line 3/8	80.25 - 80.50	1.0000	1.0000
L31	41	CCI 6" x 1" Plate	80.25 - 80.50	1.0000	1.0000
L31	42	CCI 6" x 1" Plate	80.25 - 80.50	1.0000	1.0000
L31	43	CCI 6" x 1" Plate	80.25 - 80.50	1.0000	1.0000
L31	51	CCI 6.5" x 1.25" Plate	80.25 - 80.50	1.0000	1.0000
L31	52	CCI 6.5" x 1.25" Plate	80.25 - 80.50	1.0000	1.0000
L31	53	CCI 6.5" x 1.25" Plate	80.25 - 80.50	1.0000	1.0000
L31	61	CCI 8.5" x 1.25" Plate	80.25 - 80.50	1.0000	1.0000
L31	65	CCI 8.5" x 1.25" Plate	80.25 - 80.50	1.0000	1.0000
L31	66	CCI 8.5" x 1.25" Plate	80.25 - 80.50	1.0000	1.0000
L32	1	LDF7-50A(1-5/8")	77.50 - 80.25	1.0000	1.0000
L32	2	LDF7-50A(1-5/8")	77.50 - 80.25	1.0000	1.0000
L32	5	2" Rigid Conduit	77.50 - 80.25	1.0000	1.0000
L32	7	PWRT-606-S(7/8)	77.50 - 80.25	1.0000	1.0000
L32	8	PWRT-606-S(7/8)	77.50 - 80.25	1.0000	1.0000
L32	9	FB-L98B-034-XXX(3/8")	77.50 - 80.25	1.0000	1.0000
L32	11	FDH1204-24SE2-70M(1-3/4)	77.50 - 80.25	1.0000	1.0000
L32	15	561(1-5/8")	77.50 - 80.25	1.0000	1.0000
L32	23	Safety Line 3/8	77.50 - 80.25	1.0000	1.0000
L32	41	CCI 6" x 1" Plate	77.50 - 80.25	1.0000	1.0000
L32	42	CCI 6" x 1" Plate	77.50 - 80.25	1.0000	1.0000
L32	43	CCI 6" x 1" Plate	77.50 - 80.25	1.0000	1.0000
L32	51	CCI 6.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L32	52	CCI 6.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L32	53	CCI 6.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L32	61	CCI 8.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L32	65	CCI 8.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L32	66	CCI 8.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L33	1	LDF7-50A(1-5/8")	77.25 - 77.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L33	2	LDF7-50A(1-5/8")	77.25 - 77.50	1.0000	1.0000
L33	5	2" Rigid Conduit	77.25 - 77.50	1.0000	1.0000
L33	7	PWRT-606-S(7/8)	77.25 - 77.50	1.0000	1.0000
L33	8	PWRT-606-S(7/8)	77.25 - 77.50	1.0000	1.0000
L33	9	FB-L98B-034-XXX(3/8")	77.25 - 77.50	1.0000	1.0000
L33	11	FDH1204-24SE2-70M(1-3/4)	77.25 - 77.50	1.0000	1.0000
L33	15	561(1-5/8")	77.25 - 77.50	1.0000	1.0000
L33	23	Safety Line 3/8	77.25 - 77.50	1.0000	1.0000
L33	41	CCI 6" x 1" Plate	77.25 - 77.50	1.0000	1.0000
L33	42	CCI 6" x 1" Plate	77.25 - 77.50	1.0000	1.0000
L33	43	CCI 6" x 1" Plate	77.25 - 77.50	1.0000	1.0000
L33	51	CCI 6.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L33	52	CCI 6.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L33	53	CCI 6.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L33	61	CCI 8.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L33	65	CCI 8.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L33	66	CCI 8.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L34	1	LDF7-50A(1-5/8")	68.82 - 77.25	1.0000	1.0000
L34	2	LDF7-50A(1-5/8")	68.82 - 77.25	1.0000	1.0000
L34	5	2" Rigid Conduit	68.82 - 77.25	1.0000	1.0000
L34	7	PWRT-606-S(7/8)	68.82 - 77.25	1.0000	1.0000
L34	8	PWRT-606-S(7/8)	68.82 - 77.25	1.0000	1.0000
L34	9	FB-L98B-034-XXX(3/8")	68.82 - 77.25	1.0000	1.0000
L34	11	FDH1204-24SE2-70M(1-3/4)	68.82 - 77.25	1.0000	1.0000
L34	15	561(1-5/8")	68.82 - 77.25	1.0000	1.0000
L34	23	Safety Line 3/8	68.82 - 77.25	1.0000	1.0000
L34	41	CCI 6" x 1" Plate	68.82 - 77.25	1.0000	1.0000
L34	42	CCI 6" x 1" Plate	68.82 - 77.25	1.0000	1.0000
L34	43	CCI 6" x 1" Plate	68.82 - 77.25	1.0000	1.0000
L34	51	CCI 6.5" x 1.25" Plate	72.50 - 77.25	1.0000	1.0000
L34	52	CCI 6.5" x 1.25" Plate	72.50 - 77.25	1.0000	1.0000
L34	53	CCI 6.5" x 1.25" Plate	72.50 - 77.25	1.0000	1.0000
L34	61	CCI 8.5" x 1.25" Plate	68.82 - 77.25	1.0000	1.0000
L34	65	CCI 8.5" x 1.25" Plate	68.82 - 77.25	1.0000	1.0000
L34	66	CCI 8.5" x 1.25" Plate	68.82 - 77.25	1.0000	1.0000
L35	1	LDF7-50A(1-5/8")	68.29 - 68.82	1.0000	1.0000
L35	2	LDF7-50A(1-5/8")	68.29 - 68.82	1.0000	1.0000
L35	5	2" Rigid Conduit	68.29 - 68.82	1.0000	1.0000
L35	7	PWRT-606-S(7/8)	68.29 - 68.82	1.0000	1.0000
L35	8	PWRT-606-S(7/8)	68.29 - 68.82	1.0000	1.0000
L35	9	FB-L98B-034-XXX(3/8")	68.29 - 68.82	1.0000	1.0000
L35	11	FDH1204-24SE2-70M(1-3/4)	68.29 - 68.82	1.0000	1.0000
L35	15	561(1-5/8")	68.29 - 68.82	1.0000	1.0000
L35	23	Safety Line 3/8	68.29 - 68.82	1.0000	1.0000
L35	41	CCI 6" x 1" Plate	68.29 - 68.82	1.0000	1.0000
L35	42	CCI 6" x 1" Plate	68.29 - 68.82	1.0000	1.0000
L35	43	CCI 6" x 1" Plate	68.29 - 68.82	1.0000	1.0000
L35	61	CCI 8.5" x 1.25" Plate	68.29 - 68.82	1.0000	1.0000
L35	65	CCI 8.5" x 1.25" Plate	68.29 - 68.82	1.0000	1.0000
L35	66	CCI 8.5" x 1.25" Plate	68.29 - 68.82	1.0000	1.0000
L36	1	LDF7-50A(1-5/8")	64.25 - 68.29	1.0000	1.0000
L36	2	LDF7-50A(1-5/8")	64.25 - 68.29	1.0000	1.0000
L36	5	2" Rigid Conduit	64.25 - 68.29	1.0000	1.0000
L36	7	PWRT-606-S(7/8)	64.25 - 68.29	1.0000	1.0000
L36	8	PWRT-606-S(7/8)	64.25 - 68.29	1.0000	1.0000
L36	9	FB-L98B-034-XXX(3/8")	64.25 - 68.29	1.0000	1.0000
L36	11	FDH1204-24SE2-70M(1-3/4)	64.25 - 68.29	1.0000	1.0000
L36	15	561(1-5/8")	64.25 - 68.29	1.0000	1.0000
L36	23	Safety Line 3/8	64.25 - 68.29	1.0000	1.0000
L36	41	CCI 6" x 1" Plate	64.25 - 68.29	1.0000	1.0000
L36	42	CCI 6" x 1" Plate	64.25 - 68.29	1.0000	1.0000
L36	43	CCI 6" x 1" Plate	64.25 - 68.29	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L36	48	CCI 6.5" x 1.25" Plate	64.25 - 67.00	1.0000	1.0000
L36	49	CCI 6.5" x 1.25" Plate	64.25 - 67.00	1.0000	1.0000
L36	50	CCI 6.5" x 1.25" Plate	64.25 - 67.00	1.0000	1.0000
L36	61	CCI 8.5" x 1.25" Plate	64.25 - 68.29	1.0000	1.0000
L36	65	CCI 8.5" x 1.25" Plate	64.25 - 68.29	1.0000	1.0000
L36	66	CCI 8.5" x 1.25" Plate	64.25 - 68.29	1.0000	1.0000
L37	1	LDF7-50A(1-5/8")	64.00 - 64.25	1.0000	1.0000
L37	2	LDF7-50A(1-5/8")	64.00 - 64.25	1.0000	1.0000
L37	5	2" Rigid Conduit	64.00 - 64.25	1.0000	1.0000
L37	7	PWRT-606-S(7/8)	64.00 - 64.25	1.0000	1.0000
L37	8	PWRT-606-S(7/8)	64.00 - 64.25	1.0000	1.0000
L37	9	FB-L98B-034-XXX(3/8")	64.00 - 64.25	1.0000	1.0000
L37	11	FDH1204-24SE2-70M(1-3/4)	64.00 - 64.25	1.0000	1.0000
L37	15	561(1-5/8")	64.00 - 64.25	1.0000	1.0000
L37	23	Safety Line 3/8	64.00 - 64.25	1.0000	1.0000
L37	41	CCI 6" x 1" Plate	64.00 - 64.25	1.0000	1.0000
L37	42	CCI 6" x 1" Plate	64.00 - 64.25	1.0000	1.0000
L37	43	CCI 6" x 1" Plate	64.00 - 64.25	1.0000	1.0000
L37	48	CCI 6.5" x 1.25" Plate	64.00 - 64.25	1.0000	1.0000
L37	49	CCI 6.5" x 1.25" Plate	64.00 - 64.25	1.0000	1.0000
L37	50	CCI 6.5" x 1.25" Plate	64.00 - 64.25	1.0000	1.0000
L37	61	CCI 8.5" x 1.25" Plate	64.00 - 64.25	1.0000	1.0000
L37	65	CCI 8.5" x 1.25" Plate	64.00 - 64.25	1.0000	1.0000
L37	66	CCI 8.5" x 1.25" Plate	64.00 - 64.25	1.0000	1.0000
L38	1	LDF7-50A(1-5/8")	60.50 - 64.00	1.0000	1.0000
L38	2	LDF7-50A(1-5/8")	60.50 - 64.00	1.0000	1.0000
L38	5	2" Rigid Conduit	60.50 - 64.00	1.0000	1.0000
L38	7	PWRT-606-S(7/8)	60.50 - 64.00	1.0000	1.0000
L38	8	PWRT-606-S(7/8)	60.50 - 64.00	1.0000	1.0000
L38	9	FB-L98B-034-XXX(3/8")	60.50 - 64.00	1.0000	1.0000
L38	11	FDH1204-24SE2-70M(1-3/4)	60.50 - 64.00	1.0000	1.0000
L38	15	561(1-5/8")	60.50 - 64.00	1.0000	1.0000
L38	23	Safety Line 3/8	60.50 - 64.00	1.0000	1.0000
L38	31	MP3-04	60.50 - 61.50	1.0000	1.0000
L38	41	CCI 6" x 1" Plate	60.50 - 64.00	1.0000	1.0000
L38	42	CCI 6" x 1" Plate	60.50 - 64.00	1.0000	1.0000
L38	43	CCI 6" x 1" Plate	60.50 - 64.00	1.0000	1.0000
L38	48	CCI 6.5" x 1.25" Plate	60.50 - 64.00	1.0000	1.0000
L38	49	CCI 6.5" x 1.25" Plate	60.50 - 64.00	1.0000	1.0000
L38	50	CCI 6.5" x 1.25" Plate	60.50 - 64.00	1.0000	1.0000
L38	61	CCI 8.5" x 1.25" Plate	60.50 - 64.00	1.0000	1.0000
L38	65	CCI 8.5" x 1.25" Plate	60.50 - 64.00	1.0000	1.0000
L38	66	CCI 8.5" x 1.25" Plate	60.50 - 64.00	1.0000	1.0000
L39	1	LDF7-50A(1-5/8")	60.25 - 60.50	1.0000	1.0000
L39	2	LDF7-50A(1-5/8")	60.25 - 60.50	1.0000	1.0000
L39	5	2" Rigid Conduit	60.25 - 60.50	1.0000	1.0000
L39	7	PWRT-606-S(7/8)	60.25 - 60.50	1.0000	1.0000
L39	8	PWRT-606-S(7/8)	60.25 - 60.50	1.0000	1.0000
L39	9	FB-L98B-034-XXX(3/8")	60.25 - 60.50	1.0000	1.0000
L39	11	FDH1204-24SE2-70M(1-3/4)	60.25 - 60.50	1.0000	1.0000
L39	15	561(1-5/8")	60.25 - 60.50	1.0000	1.0000
L39	23	Safety Line 3/8	60.25 - 60.50	1.0000	1.0000
L39	29	MP3-04	60.25 - 60.50	1.0000	1.0000
L39	30	MP3-04	60.25 - 60.50	1.0000	1.0000
L39	31	MP3-04	60.25 - 60.50	1.0000	1.0000
L39	38	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	39	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	40	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	48	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	49	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	50	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	61	CCI 8.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L39	65	CCI 8.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	66	CCI 8.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L40	1	LDF7-50A(1-5/8")	60.08 - 60.25	1.0000	1.0000
L40	2	LDF7-50A(1-5/8")	60.08 - 60.25	1.0000	1.0000
L40	5	2" Rigid Conduit	60.08 - 60.25	1.0000	1.0000
L40	7	PWRT-606-S(7/8)	60.08 - 60.25	1.0000	1.0000
L40	8	PWRT-606-S(7/8)	60.08 - 60.25	1.0000	1.0000
L40	9	FB-L98B-034-XXX(3/8")	60.08 - 60.25	1.0000	1.0000
L40	11	FDH1204-24SE2-70M(1-3/4)	60.08 - 60.25	1.0000	1.0000
L40	15	561(1-5/8")	60.08 - 60.25	1.0000	1.0000
L40	23	Safety Line 3/8	60.08 - 60.25	1.0000	1.0000
L40	29	MP3-04	60.08 - 60.25	1.0000	1.0000
L40	30	MP3-04	60.08 - 60.25	1.0000	1.0000
L40	31	MP3-04	60.08 - 60.25	1.0000	1.0000
L40	38	CCI 6.5" x 1.25" Plate	60.08 - 60.25	1.0000	1.0000
L40	39	CCI 6.5" x 1.25" Plate	60.08 - 60.25	1.0000	1.0000
L40	40	CCI 6.5" x 1.25" Plate	60.08 - 60.25	1.0000	1.0000
L40	48	CCI 6.5" x 1.25" Plate	60.08 - 60.25	1.0000	1.0000
L40	49	CCI 6.5" x 1.25" Plate	60.08 - 60.25	1.0000	1.0000
L40	50	CCI 6.5" x 1.25" Plate	60.08 - 60.25	1.0000	1.0000
L40	61	CCI 8.5" x 1.25" Plate	60.08 - 60.25	1.0000	1.0000
L40	65	CCI 8.5" x 1.25" Plate	60.08 - 60.25	1.0000	1.0000
L40	66	CCI 8.5" x 1.25" Plate	60.08 - 60.25	1.0000	1.0000
L41	1	LDF7-50A(1-5/8")	59.83 - 60.08	1.0000	1.0000
L41	2	LDF7-50A(1-5/8")	59.83 - 60.08	1.0000	1.0000
L41	5	2" Rigid Conduit	59.83 - 60.08	1.0000	1.0000
L41	7	PWRT-606-S(7/8)	59.83 - 60.08	1.0000	1.0000
L41	8	PWRT-606-S(7/8)	59.83 - 60.08	1.0000	1.0000
L41	9	FB-L98B-034-XXX(3/8")	59.83 - 60.08	1.0000	1.0000
L41	11	FDH1204-24SE2-70M(1-3/4)	59.83 - 60.08	1.0000	1.0000
L41	15	561(1-5/8")	59.83 - 60.08	1.0000	1.0000
L41	23	Safety Line 3/8	59.83 - 60.08	1.0000	1.0000
L41	29	MP3-04	59.83 - 60.08	1.0000	1.0000
L41	30	MP3-04	59.83 - 60.08	1.0000	1.0000
L41	31	MP3-04	59.83 - 60.08	1.0000	1.0000
L41	38	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	39	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	40	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	48	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	49	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	50	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	61	CCI 8.5" x 1.25" Plate	60.00 - 60.08	1.0000	1.0000
L41	65	CCI 8.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	66	CCI 8.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L42	1	LDF7-50A(1-5/8")	59.08 - 59.83	1.0000	1.0000
L42	2	LDF7-50A(1-5/8")	59.08 - 59.83	1.0000	1.0000
L42	5	2" Rigid Conduit	59.08 - 59.83	1.0000	1.0000
L42	7	PWRT-606-S(7/8)	59.08 - 59.83	1.0000	1.0000
L42	8	PWRT-606-S(7/8)	59.08 - 59.83	1.0000	1.0000
L42	9	FB-L98B-034-XXX(3/8")	59.08 - 59.83	1.0000	1.0000
L42	11	FDH1204-24SE2-70M(1-3/4)	59.08 - 59.83	1.0000	1.0000
L42	15	561(1-5/8")	59.08 - 59.83	1.0000	1.0000
L42	23	Safety Line 3/8	59.08 - 59.83	1.0000	1.0000
L42	29	MP3-04	59.08 - 59.83	1.0000	1.0000
L42	30	MP3-04	59.08 - 59.83	1.0000	1.0000
L42	31	MP3-04	59.08 - 59.83	1.0000	1.0000
L42	38	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	39	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	40	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	48	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	49	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	50	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L42	65	CCI 8.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	66	CCI 8.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L43	1	LDF7-50A(1-5/8")	58.83 - 59.08	1.0000	1.0000
L43	2	LDF7-50A(1-5/8")	58.83 - 59.08	1.0000	1.0000
L43	5	2" Rigid Conduit	58.83 - 59.08	1.0000	1.0000
L43	7	PWRT-606-S(7/8)	58.83 - 59.08	1.0000	1.0000
L43	8	PWRT-606-S(7/8)	58.83 - 59.08	1.0000	1.0000
L43	9	FB-L98B-034-XXX(3/8")	58.83 - 59.08	1.0000	1.0000
L43	11	FDH1204-24SE2-70M(1-3/4)	58.83 - 59.08	1.0000	1.0000
L43	15	561(1-5/8")	58.83 - 59.08	1.0000	1.0000
L43	23	Safety Line 3/8	58.83 - 59.08	1.0000	1.0000
L43	29	MP3-04	58.83 - 59.08	1.0000	1.0000
L43	30	MP3-04	58.83 - 59.08	1.0000	1.0000
L43	31	MP3-04	58.83 - 59.08	1.0000	1.0000
L43	38	CCI 6.5" x 1.25" Plate	58.83 - 59.08	1.0000	1.0000
L43	39	CCI 6.5" x 1.25" Plate	58.83 - 59.08	1.0000	1.0000
L43	40	CCI 6.5" x 1.25" Plate	58.83 - 59.08	1.0000	1.0000
L43	48	CCI 6.5" x 1.25" Plate	58.83 - 59.08	1.0000	1.0000
L43	49	CCI 6.5" x 1.25" Plate	58.83 - 59.08	1.0000	1.0000
L43	50	CCI 6.5" x 1.25" Plate	58.83 - 59.08	1.0000	1.0000
L43	65	CCI 8.5" x 1.25" Plate	58.83 - 59.08	1.0000	1.0000
L43	66	CCI 8.5" x 1.25" Plate	58.83 - 59.08	1.0000	1.0000
L44	1	LDF7-50A(1-5/8")	55.42 - 58.83	1.0000	1.0000
L44	2	LDF7-50A(1-5/8")	55.42 - 58.83	1.0000	1.0000
L44	5	2" Rigid Conduit	55.42 - 58.83	1.0000	1.0000
L44	7	PWRT-606-S(7/8)	55.42 - 58.83	1.0000	1.0000
L44	8	PWRT-606-S(7/8)	55.42 - 58.83	1.0000	1.0000
L44	9	FB-L98B-034-XXX(3/8")	55.42 - 58.83	1.0000	1.0000
L44	11	FDH1204-24SE2-70M(1-3/4)	55.42 - 58.83	1.0000	1.0000
L44	15	561(1-5/8")	55.42 - 58.83	1.0000	1.0000
L44	23	Safety Line 3/8	55.42 - 58.83	1.0000	1.0000
L44	29	MP3-04	55.42 - 58.83	1.0000	1.0000
L44	30	MP3-04	55.42 - 58.83	1.0000	1.0000
L44	31	MP3-04	55.42 - 58.83	1.0000	1.0000
L44	38	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	39	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	40	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	48	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	49	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	50	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	65	CCI 8.5" x 1.25" Plate	55.50 - 58.83	1.0000	1.0000
L44	66	CCI 8.5" x 1.25" Plate	55.50 - 58.83	1.0000	1.0000
L45	1	LDF7-50A(1-5/8")	55.17 - 55.42	1.0000	1.0000
L45	2	LDF7-50A(1-5/8")	55.17 - 55.42	1.0000	1.0000
L45	5	2" Rigid Conduit	55.17 - 55.42	1.0000	1.0000
L45	7	PWRT-606-S(7/8)	55.17 - 55.42	1.0000	1.0000
L45	8	PWRT-606-S(7/8)	55.17 - 55.42	1.0000	1.0000
L45	9	FB-L98B-034-XXX(3/8")	55.17 - 55.42	1.0000	1.0000
L45	11	FDH1204-24SE2-70M(1-3/4)	55.17 - 55.42	1.0000	1.0000
L45	15	561(1-5/8")	55.17 - 55.42	1.0000	1.0000
L45	23	Safety Line 3/8	55.17 - 55.42	1.0000	1.0000
L45	29	MP3-04	55.17 - 55.42	1.0000	1.0000
L45	30	MP3-04	55.17 - 55.42	1.0000	1.0000
L45	31	MP3-04	55.17 - 55.42	1.0000	1.0000
L45	38	CCI 6.5" x 1.25" Plate	55.17 - 55.42	1.0000	1.0000
L45	39	CCI 6.5" x 1.25" Plate	55.17 - 55.42	1.0000	1.0000
L45	40	CCI 6.5" x 1.25" Plate	55.17 - 55.42	1.0000	1.0000
L45	48	CCI 6.5" x 1.25" Plate	55.17 - 55.42	1.0000	1.0000
L45	49	CCI 6.5" x 1.25" Plate	55.17 - 55.42	1.0000	1.0000
L45	50	CCI 6.5" x 1.25" Plate	55.17 - 55.42	1.0000	1.0000
L45	63	CCI 8.5" x 1.25" Plate	55.17 - 55.40	1.0000	1.0000
L45	64	CCI 8.5" x 1.25" Plate	55.17 - 55.40	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L46	1	LDF7-50A(1-5/8")	54.75 - 55.17	1.0000	1.0000
L46	2	LDF7-50A(1-5/8")	54.75 - 55.17	1.0000	1.0000
L46	5	2" Rigid Conduit	54.75 - 55.17	1.0000	1.0000
L46	7	PWRT-606-S(7/8)	54.75 - 55.17	1.0000	1.0000
L46	8	PWRT-606-S(7/8)	54.75 - 55.17	1.0000	1.0000
L46	9	FB-L98B-034-XXX(3/8")	54.75 - 55.17	1.0000	1.0000
L46	11	FDH1204-24SE2-70M(1-3/4)	54.75 - 55.17	1.0000	1.0000
L46	15	561(1-5/8")	54.75 - 55.17	1.0000	1.0000
L46	23	Safety Line 3/8	54.75 - 55.17	1.0000	1.0000
L46	29	MP3-04	54.75 - 55.17	1.0000	1.0000
L46	30	MP3-04	54.75 - 55.17	1.0000	1.0000
L46	31	MP3-04	54.75 - 55.17	1.0000	1.0000
L46	38	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	39	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	40	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	48	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	49	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	50	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	63	CCI 8.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	64	CCI 8.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L47	1	LDF7-50A(1-5/8")	54.50 - 54.75	1.0000	1.0000
L47	2	LDF7-50A(1-5/8")	54.50 - 54.75	1.0000	1.0000
L47	5	2" Rigid Conduit	54.50 - 54.75	1.0000	1.0000
L47	7	PWRT-606-S(7/8)	54.50 - 54.75	1.0000	1.0000
L47	8	PWRT-606-S(7/8)	54.50 - 54.75	1.0000	1.0000
L47	9	FB-L98B-034-XXX(3/8")	54.50 - 54.75	1.0000	1.0000
L47	11	FDH1204-24SE2-70M(1-3/4)	54.50 - 54.75	1.0000	1.0000
L47	15	561(1-5/8")	54.50 - 54.75	1.0000	1.0000
L47	23	Safety Line 3/8	54.50 - 54.75	1.0000	1.0000
L47	29	MP3-04	54.50 - 54.75	1.0000	1.0000
L47	30	MP3-04	54.50 - 54.75	1.0000	1.0000
L47	31	MP3-04	54.50 - 54.75	1.0000	1.0000
L47	38	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	39	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	40	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	48	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	49	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	50	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	63	CCI 8.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	64	CCI 8.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L48	1	LDF7-50A(1-5/8")	49.50 - 54.50	1.0000	1.0000
L48	2	LDF7-50A(1-5/8")	49.50 - 54.50	1.0000	1.0000
L48	5	2" Rigid Conduit	49.50 - 54.50	1.0000	1.0000
L48	7	PWRT-606-S(7/8)	49.50 - 54.50	1.0000	1.0000
L48	8	PWRT-606-S(7/8)	49.50 - 54.50	1.0000	1.0000
L48	9	FB-L98B-034-XXX(3/8")	49.50 - 54.50	1.0000	1.0000
L48	11	FDH1204-24SE2-70M(1-3/4)	49.50 - 54.50	1.0000	1.0000
L48	15	561(1-5/8")	49.50 - 54.50	1.0000	1.0000
L48	23	Safety Line 3/8	49.50 - 54.50	1.0000	1.0000
L48	29	MP3-04	49.50 - 54.50	1.0000	1.0000
L48	30	MP3-04	49.50 - 54.50	1.0000	1.0000
L48	31	MP3-04	49.50 - 54.50	1.0000	1.0000
L48	38	CCI 6.5" x 1.25" Plate	49.50 - 54.50	1.0000	1.0000
L48	39	CCI 6.5" x 1.25" Plate	49.50 - 54.50	1.0000	1.0000
L48	40	CCI 6.5" x 1.25" Plate	49.50 - 54.50	1.0000	1.0000
L48	48	CCI 6.5" x 1.25" Plate	52.00 - 54.50	1.0000	1.0000
L48	49	CCI 6.5" x 1.25" Plate	52.00 - 54.50	1.0000	1.0000
L48	50	CCI 6.5" x 1.25" Plate	52.00 - 54.50	1.0000	1.0000
L48	63	CCI 8.5" x 1.25" Plate	49.50 - 54.50	1.0000	1.0000
L48	64	CCI 8.5" x 1.25" Plate	49.50 - 54.50	1.0000	1.0000
L49	1	LDF7-50A(1-5/8")	44.50 - 49.50	1.0000	1.0000
L49	2	LDF7-50A(1-5/8")	44.50 - 49.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L49	5	2" Rigid Conduit	44.50 - 49.50	1.0000	1.0000
L49	7	PWRT-606-S(7/8)	44.50 - 49.50	1.0000	1.0000
L49	8	PWRT-606-S(7/8)	44.50 - 49.50	1.0000	1.0000
L49	9	FB-L98B-034-XXX(3/8")	44.50 - 49.50	1.0000	1.0000
L49	11	FDH1204-24SE2-70M(1-3/4)	44.50 - 49.50	1.0000	1.0000
L49	15	561(1-5/8")	44.50 - 49.50	1.0000	1.0000
L49	23	Safety Line 3/8	44.50 - 49.50	1.0000	1.0000
L49	29	MP3-04	44.50 - 49.50	1.0000	1.0000
L49	30	MP3-04	44.50 - 49.50	1.0000	1.0000
L49	31	MP3-04	44.50 - 49.50	1.0000	1.0000
L49	38	CCI 6.5" x 1.25" Plate	44.50 - 49.50	1.0000	1.0000
L49	39	CCI 6.5" x 1.25" Plate	44.50 - 49.50	1.0000	1.0000
L49	40	CCI 6.5" x 1.25" Plate	44.50 - 49.50	1.0000	1.0000
L49	60	CCI 8.5" x 1.25" Plate	44.50 - 45.50	1.0000	1.0000
L49	63	CCI 8.5" x 1.25" Plate	44.50 - 49.50	1.0000	1.0000
L49	64	CCI 8.5" x 1.25" Plate	44.50 - 49.50	1.0000	1.0000
L50	1	LDF7-50A(1-5/8")	41.25 - 44.50	1.0000	1.0000
L50	2	LDF7-50A(1-5/8")	41.25 - 44.50	1.0000	1.0000
L50	5	2" Rigid Conduit	41.25 - 44.50	1.0000	1.0000
L50	7	PWRT-606-S(7/8)	41.25 - 44.50	1.0000	1.0000
L50	8	PWRT-606-S(7/8)	41.25 - 44.50	1.0000	1.0000
L50	9	FB-L98B-034-XXX(3/8")	41.25 - 44.50	1.0000	1.0000
L50	11	FDH1204-24SE2-70M(1-3/4)	41.25 - 44.50	1.0000	1.0000
L50	15	561(1-5/8")	41.25 - 44.50	1.0000	1.0000
L50	23	Safety Line 3/8	41.25 - 44.50	1.0000	1.0000
L50	29	MP3-04	41.25 - 44.50	1.0000	1.0000
L50	30	MP3-04	41.25 - 44.50	1.0000	1.0000
L50	31	MP3-04	41.25 - 44.50	1.0000	1.0000
L50	38	CCI 6.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L50	39	CCI 6.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L50	40	CCI 6.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L50	60	CCI 8.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L50	63	CCI 8.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L50	64	CCI 8.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L51	1	LDF7-50A(1-5/8")	41.00 - 41.25	1.0000	1.0000
L51	2	LDF7-50A(1-5/8")	41.00 - 41.25	1.0000	1.0000
L51	5	2" Rigid Conduit	41.00 - 41.25	1.0000	1.0000
L51	7	PWRT-606-S(7/8)	41.00 - 41.25	1.0000	1.0000
L51	8	PWRT-606-S(7/8)	41.00 - 41.25	1.0000	1.0000
L51	9	FB-L98B-034-XXX(3/8")	41.00 - 41.25	1.0000	1.0000
L51	11	FDH1204-24SE2-70M(1-3/4)	41.00 - 41.25	1.0000	1.0000
L51	15	561(1-5/8")	41.00 - 41.25	1.0000	1.0000
L51	23	Safety Line 3/8	41.00 - 41.25	1.0000	1.0000
L51	29	MP3-04	41.00 - 41.25	1.0000	1.0000
L51	30	MP3-04	41.00 - 41.25	1.0000	1.0000
L51	31	MP3-04	41.00 - 41.25	1.0000	1.0000
L51	38	CCI 6.5" x 1.25" Plate	41.00 - 41.25	1.0000	1.0000
L51	39	CCI 6.5" x 1.25" Plate	41.00 - 41.25	1.0000	1.0000
L51	40	CCI 6.5" x 1.25" Plate	41.00 - 41.25	1.0000	1.0000
L51	60	CCI 8.5" x 1.25" Plate	41.00 - 41.25	1.0000	1.0000
L51	63	CCI 8.5" x 1.25" Plate	41.00 - 41.25	1.0000	1.0000
L51	64	CCI 8.5" x 1.25" Plate	41.00 - 41.25	1.0000	1.0000
L52	1	LDF7-50A(1-5/8")	34.29 - 41.00	1.0000	1.0000
L52	2	LDF7-50A(1-5/8")	34.29 - 41.00	1.0000	1.0000
L52	5	2" Rigid Conduit	34.29 - 41.00	1.0000	1.0000
L52	7	PWRT-606-S(7/8)	34.29 - 41.00	1.0000	1.0000
L52	8	PWRT-606-S(7/8)	34.29 - 41.00	1.0000	1.0000
L52	9	FB-L98B-034-XXX(3/8")	34.29 - 41.00	1.0000	1.0000
L52	11	FDH1204-24SE2-70M(1-3/4)	34.29 - 41.00	1.0000	1.0000
L52	15	561(1-5/8")	34.29 - 41.00	1.0000	1.0000
L52	23	Safety Line 3/8	34.29 - 41.00	1.0000	1.0000
L52	29	MP3-04	34.29 - 41.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L52	30	MP3-04	34.29 - 41.00	1.0000	1.0000
L52	31	MP3-04	34.29 - 41.00	1.0000	1.0000
L52	38	CCI 6.5" x 1.25" Plate	34.29 - 41.00	1.0000	1.0000
L52	39	CCI 6.5" x 1.25" Plate	34.29 - 41.00	1.0000	1.0000
L52	40	CCI 6.5" x 1.25" Plate	34.29 - 41.00	1.0000	1.0000
L52	45	CCI 6.5" x 1.25" Plate	34.29 - 38.00	1.0000	1.0000
L52	46	CCI 6.5" x 1.25" Plate	34.29 - 38.00	1.0000	1.0000
L52	47	CCI 6.5" x 1.25" Plate	34.29 - 38.00	1.0000	1.0000
L52	60	CCI 8.5" x 1.25" Plate	34.29 - 41.00	1.0000	1.0000
L52	63	CCI 8.5" x 1.25" Plate	34.29 - 41.00	1.0000	1.0000
L52	64	CCI 8.5" x 1.25" Plate	34.29 - 41.00	1.0000	1.0000
L53	1	LDF7-50A(1-5/8")	33.29 - 34.29	1.0000	1.0000
L53	2	LDF7-50A(1-5/8")	33.29 - 34.29	1.0000	1.0000
L53	5	2" Rigid Conduit	33.29 - 34.29	1.0000	1.0000
L53	7	PWRT-606-S(7/8)	33.29 - 34.29	1.0000	1.0000
L53	8	PWRT-606-S(7/8)	33.29 - 34.29	1.0000	1.0000
L53	9	FB-L98B-034-XXX(3/8")	33.29 - 34.29	1.0000	1.0000
L53	11	FDH1204-24SE2-70M(1-3/4)	33.29 - 34.29	1.0000	1.0000
L53	15	561(1-5/8")	33.29 - 34.29	1.0000	1.0000
L53	23	Safety Line 3/8	33.29 - 34.29	1.0000	1.0000
L53	29	MP3-04	33.29 - 34.29	1.0000	1.0000
L53	30	MP3-04	33.29 - 34.29	1.0000	1.0000
L53	31	MP3-04	33.29 - 34.29	1.0000	1.0000
L53	38	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	39	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	40	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	45	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	46	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	47	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	60	CCI 8.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	63	CCI 8.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	64	CCI 8.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L54	1	LDF7-50A(1-5/8")	31.50 - 33.29	1.0000	1.0000
L54	2	LDF7-50A(1-5/8")	31.50 - 33.29	1.0000	1.0000
L54	5	2" Rigid Conduit	31.50 - 33.29	1.0000	1.0000
L54	7	PWRT-606-S(7/8)	31.50 - 33.29	1.0000	1.0000
L54	8	PWRT-606-S(7/8)	31.50 - 33.29	1.0000	1.0000
L54	9	FB-L98B-034-XXX(3/8")	31.50 - 33.29	1.0000	1.0000
L54	11	FDH1204-24SE2-70M(1-3/4)	31.50 - 33.29	1.0000	1.0000
L54	15	561(1-5/8")	31.50 - 33.29	1.0000	1.0000
L54	23	Safety Line 3/8	31.50 - 33.29	1.0000	1.0000
L54	29	MP3-04	31.50 - 33.29	1.0000	1.0000
L54	30	MP3-04	31.50 - 33.29	1.0000	1.0000
L54	31	MP3-04	31.50 - 33.29	1.0000	1.0000
L54	38	CCI 6.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	39	CCI 6.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	40	CCI 6.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	45	CCI 6.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	46	CCI 6.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	47	CCI 6.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	60	CCI 8.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	63	CCI 8.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	64	CCI 8.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L55	1	LDF7-50A(1-5/8")	31.25 - 31.50	1.0000	1.0000
L55	2	LDF7-50A(1-5/8")	31.25 - 31.50	1.0000	1.0000
L55	5	2" Rigid Conduit	31.25 - 31.50	1.0000	1.0000
L55	7	PWRT-606-S(7/8)	31.25 - 31.50	1.0000	1.0000
L55	8	PWRT-606-S(7/8)	31.25 - 31.50	1.0000	1.0000
L55	9	FB-L98B-034-XXX(3/8")	31.25 - 31.50	1.0000	1.0000
L55	11	FDH1204-24SE2-70M(1-3/4)	31.25 - 31.50	1.0000	1.0000
L55	15	561(1-5/8")	31.25 - 31.50	1.0000	1.0000
L55	23	Safety Line 3/8	31.25 - 31.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L55	26	MP3-05	31.25 - 31.50	1.0000	1.0000
L55	29	MP3-04	31.25 - 31.50	1.0000	1.0000
L55	30	MP3-04	31.25 - 31.50	1.0000	1.0000
L55	31	MP3-04	31.25 - 31.50	1.0000	1.0000
L55	38	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	39	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	40	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	45	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	46	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	47	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	60	CCI 8.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	63	CCI 8.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	64	CCI 8.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L56	1	LDF7-50A(1-5/8")	30.50 - 31.25	1.0000	1.0000
L56	2	LDF7-50A(1-5/8")	30.50 - 31.25	1.0000	1.0000
L56	5	2" Rigid Conduit	30.50 - 31.25	1.0000	1.0000
L56	7	PWRT-606-S(7/8)	30.50 - 31.25	1.0000	1.0000
L56	8	PWRT-606-S(7/8)	30.50 - 31.25	1.0000	1.0000
L56	9	FB-L98B-034-XXX(3/8")	30.50 - 31.25	1.0000	1.0000
L56	11	FDH1204-24SE2-70M(1-3/4)	30.50 - 31.25	1.0000	1.0000
L56	15	561(1-5/8")	30.50 - 31.25	1.0000	1.0000
L56	23	Safety Line 3/8	30.50 - 31.25	1.0000	1.0000
L56	26	MP3-05	30.50 - 31.25	1.0000	1.0000
L56	29	MP3-04	30.50 - 31.25	1.0000	1.0000
L56	30	MP3-04	30.50 - 31.25	1.0000	1.0000
L56	31	MP3-04	31.00 - 31.25	1.0000	1.0000
L56	38	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	39	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	40	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	45	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	46	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	47	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	60	CCI 8.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	63	CCI 8.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	64	CCI 8.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L57	1	LDF7-50A(1-5/8")	30.25 - 30.50	1.0000	1.0000
L57	2	LDF7-50A(1-5/8")	30.25 - 30.50	1.0000	1.0000
L57	5	2" Rigid Conduit	30.25 - 30.50	1.0000	1.0000
L57	7	PWRT-606-S(7/8)	30.25 - 30.50	1.0000	1.0000
L57	8	PWRT-606-S(7/8)	30.25 - 30.50	1.0000	1.0000
L57	9	FB-L98B-034-XXX(3/8")	30.25 - 30.50	1.0000	1.0000
L57	11	FDH1204-24SE2-70M(1-3/4)	30.25 - 30.50	1.0000	1.0000
L57	15	561(1-5/8")	30.25 - 30.50	1.0000	1.0000
L57	23	Safety Line 3/8	30.25 - 30.50	1.0000	1.0000
L57	26	MP3-05	30.25 - 30.50	1.0000	1.0000
L57	27	MP3-05	30.25 - 30.50	1.0000	1.0000
L57	28	MP3-05	30.25 - 30.50	1.0000	1.0000
L57	35	CCI 6" x 1" Plate	30.25 - 30.50	1.0000	1.0000
L57	36	CCI 6" x 1" Plate	30.25 - 30.50	1.0000	1.0000
L57	37	CCI 6" x 1" Plate	30.25 - 30.50	1.0000	1.0000
L57	45	CCI 6.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L57	46	CCI 6.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L57	47	CCI 6.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L57	60	CCI 8.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L57	63	CCI 8.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L57	64	CCI 8.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L58	1	LDF7-50A(1-5/8")	25.75 - 30.25	1.0000	1.0000
L58	2	LDF7-50A(1-5/8")	25.75 - 30.25	1.0000	1.0000
L58	5	2" Rigid Conduit	25.75 - 30.25	1.0000	1.0000
L58	7	PWRT-606-S(7/8)	25.75 - 30.25	1.0000	1.0000
L58	8	PWRT-606-S(7/8)	25.75 - 30.25	1.0000	1.0000
L58	9	FB-L98B-034-XXX(3/8")	25.75 - 30.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L58	11	FDH1204-24SE2-70M(1-3/4)	25.75 - 30.25	1.0000	1.0000
L58	15	561(1-5/8")	25.75 - 30.25	1.0000	1.0000
L58	23	Safety Line 3/8	25.75 - 30.25	1.0000	1.0000
L58	26	MP3-05	25.75 - 30.25	1.0000	1.0000
L58	27	MP3-05	25.75 - 30.25	1.0000	1.0000
L58	28	MP3-05	25.75 - 30.25	1.0000	1.0000
L58	35	CCI 6" x 1" Plate	25.75 - 30.25	1.0000	1.0000
L58	36	CCI 6" x 1" Plate	25.75 - 30.25	1.0000	1.0000
L58	37	CCI 6" x 1" Plate	25.75 - 30.25	1.0000	1.0000
L58	45	CCI 6.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	46	CCI 6.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	47	CCI 6.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	60	CCI 8.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	63	CCI 8.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	64	CCI 8.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	76	CCI 1.25" x 5.875" Plate	25.75 - 28.50	1.0000	1.0000
L58	77	CCI 1.25" x 5.875" Plate	25.75 - 28.50	1.0000	1.0000
L58	78	CCI 1.25" x 5.875" Plate	25.75 - 28.50	1.0000	1.0000
L59	1	LDF7-50A(1-5/8")	25.50 - 25.75	1.0000	1.0000
L59	2	LDF7-50A(1-5/8")	25.50 - 25.75	1.0000	1.0000
L59	5	2" Rigid Conduit	25.50 - 25.75	1.0000	1.0000
L59	7	PWRT-606-S(7/8)	25.50 - 25.75	1.0000	1.0000
L59	8	PWRT-606-S(7/8)	25.50 - 25.75	1.0000	1.0000
L59	9	FB-L98B-034-XXX(3/8")	25.50 - 25.75	1.0000	1.0000
L59	11	FDH1204-24SE2-70M(1-3/4)	25.50 - 25.75	1.0000	1.0000
L59	15	561(1-5/8")	25.50 - 25.75	1.0000	1.0000
L59	23	Safety Line 3/8	25.50 - 25.75	1.0000	1.0000
L59	26	MP3-05	25.50 - 25.75	1.0000	1.0000
L59	27	MP3-05	25.50 - 25.75	1.0000	1.0000
L59	28	MP3-05	25.50 - 25.75	1.0000	1.0000
L59	35	CCI 6" x 1" Plate	25.50 - 25.75	1.0000	1.0000
L59	36	CCI 6" x 1" Plate	25.50 - 25.75	1.0000	1.0000
L59	37	CCI 6" x 1" Plate	25.50 - 25.75	1.0000	1.0000
L59	45	CCI 6.5" x 1.25" Plate	25.50 - 25.75	1.0000	1.0000
L59	46	CCI 6.5" x 1.25" Plate	25.50 - 25.75	1.0000	1.0000
L59	47	CCI 6.5" x 1.25" Plate	25.50 - 25.75	1.0000	1.0000
L59	60	CCI 8.5" x 1.25" Plate	25.50 - 25.75	1.0000	1.0000
L59	63	CCI 8.5" x 1.25" Plate	25.50 - 25.75	1.0000	1.0000
L59	64	CCI 8.5" x 1.25" Plate	25.50 - 25.75	1.0000	1.0000
L59	76	CCI 1.25" x 5.875" Plate	25.50 - 25.75	1.0000	1.0000
L59	77	CCI 1.25" x 5.875" Plate	25.50 - 25.75	1.0000	1.0000
L59	78	CCI 1.25" x 5.875" Plate	25.50 - 25.75	1.0000	1.0000
L60	1	LDF7-50A(1-5/8")	24.67 - 25.50	1.0000	1.0000
L60	2	LDF7-50A(1-5/8")	24.67 - 25.50	1.0000	1.0000
L60	5	2" Rigid Conduit	24.67 - 25.50	1.0000	1.0000
L60	7	PWRT-606-S(7/8)	24.67 - 25.50	1.0000	1.0000
L60	8	PWRT-606-S(7/8)	24.67 - 25.50	1.0000	1.0000
L60	9	FB-L98B-034-XXX(3/8")	24.67 - 25.50	1.0000	1.0000
L60	11	FDH1204-24SE2-70M(1-3/4)	24.67 - 25.50	1.0000	1.0000
L60	15	561(1-5/8")	24.67 - 25.50	1.0000	1.0000
L60	23	Safety Line 3/8	24.67 - 25.50	1.0000	1.0000
L60	26	MP3-05	24.67 - 25.50	1.0000	1.0000
L60	27	MP3-05	24.67 - 25.50	1.0000	1.0000
L60	28	MP3-05	24.67 - 25.50	1.0000	1.0000
L60	35	CCI 6" x 1" Plate	24.67 - 25.50	1.0000	1.0000
L60	36	CCI 6" x 1" Plate	24.67 - 25.50	1.0000	1.0000
L60	37	CCI 6" x 1" Plate	24.67 - 25.50	1.0000	1.0000
L60	45	CCI 6.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000
L60	46	CCI 6.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000
L60	47	CCI 6.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000
L60	60	CCI 8.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000
L60	63	CCI 8.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L60	64	CCI 8.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000
L60	71	CCI 1.25" x 5.875" Plate	24.67 - 25.50	1.0000	1.0000
L60	72	CCI 1.25" x 5.875" Plate	24.67 - 25.50	1.0000	1.0000
L60	73	CCI 1.25" x 5.875" Plate	24.67 - 25.50	1.0000	1.0000
L60	74	CCI 1.25" x 5.875" Plate	24.67 - 25.50	1.0000	1.0000
L61	1	LDF7-50A(1-5/8")	24.42 - 24.67	1.0000	1.0000
L61	2	LDF7-50A(1-5/8")	24.42 - 24.67	1.0000	1.0000
L61	5	2" Rigid Conduit	24.42 - 24.67	1.0000	1.0000
L61	7	PWRT-606-S(7/8)	24.42 - 24.67	1.0000	1.0000
L61	8	PWRT-606-S(7/8)	24.42 - 24.67	1.0000	1.0000
L61	9	FB-L98B-034-XXX(3/8")	24.42 - 24.67	1.0000	1.0000
L61	11	FDH1204-24SE2-70M(1-3/4)	24.42 - 24.67	1.0000	1.0000
L61	15	561(1-5/8")	24.42 - 24.67	1.0000	1.0000
L61	23	Safety Line 3/8	24.42 - 24.67	1.0000	1.0000
L61	26	MP3-05	24.42 - 24.67	1.0000	1.0000
L61	27	MP3-05	24.42 - 24.67	1.0000	1.0000
L61	28	MP3-05	24.42 - 24.67	1.0000	1.0000
L61	35	CCI 6" x 1" Plate	24.42 - 24.67	1.0000	1.0000
L61	36	CCI 6" x 1" Plate	24.42 - 24.67	1.0000	1.0000
L61	37	CCI 6" x 1" Plate	24.42 - 24.67	1.0000	1.0000
L61	45	CCI 6.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	46	CCI 6.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	47	CCI 6.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	60	CCI 8.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	63	CCI 8.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	64	CCI 8.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	71	CCI 1.25" x 5.875" Plate	24.42 - 24.67	1.0000	1.0000
L61	72	CCI 1.25" x 5.875" Plate	24.42 - 24.67	1.0000	1.0000
L61	73	CCI 1.25" x 5.875" Plate	24.42 - 24.67	1.0000	1.0000
L61	74	CCI 1.25" x 5.875" Plate	24.42 - 24.67	1.0000	1.0000
L62	1	LDF7-50A(1-5/8")	24.00 - 24.42	1.0000	1.0000
L62	2	LDF7-50A(1-5/8")	24.00 - 24.42	1.0000	1.0000
L62	5	2" Rigid Conduit	24.00 - 24.42	1.0000	1.0000
L62	7	PWRT-606-S(7/8)	24.00 - 24.42	1.0000	1.0000
L62	8	PWRT-606-S(7/8)	24.00 - 24.42	1.0000	1.0000
L62	9	FB-L98B-034-XXX(3/8")	24.00 - 24.42	1.0000	1.0000
L62	11	FDH1204-24SE2-70M(1-3/4)	24.00 - 24.42	1.0000	1.0000
L62	15	561(1-5/8")	24.00 - 24.42	1.0000	1.0000
L62	23	Safety Line 3/8	24.00 - 24.42	1.0000	1.0000
L62	26	MP3-05	24.00 - 24.42	1.0000	1.0000
L62	27	MP3-05	24.00 - 24.42	1.0000	1.0000
L62	28	MP3-05	24.00 - 24.42	1.0000	1.0000
L62	35	CCI 6" x 1" Plate	24.00 - 24.42	1.0000	1.0000
L62	36	CCI 6" x 1" Plate	24.00 - 24.42	1.0000	1.0000
L62	37	CCI 6" x 1" Plate	24.00 - 24.42	1.0000	1.0000
L62	45	CCI 6.5" x 1.25" Plate	24.00 - 24.42	1.0000	1.0000
L62	46	CCI 6.5" x 1.25" Plate	24.00 - 24.42	1.0000	1.0000
L62	47	CCI 6.5" x 1.25" Plate	24.00 - 24.42	1.0000	1.0000
L62	60	CCI 8.5" x 1.25" Plate	24.00 - 24.42	1.0000	1.0000
L62	63	CCI 8.5" x 1.25" Plate	24.00 - 24.42	1.0000	1.0000
L62	64	CCI 8.5" x 1.25" Plate	24.00 - 24.42	1.0000	1.0000
L62	71	CCI 1.25" x 5.875" Plate	24.00 - 24.42	1.0000	1.0000
L62	72	CCI 1.25" x 5.875" Plate	24.00 - 24.42	1.0000	1.0000
L62	73	CCI 1.25" x 5.875" Plate	24.00 - 24.42	1.0000	1.0000
L62	74	CCI 1.25" x 5.875" Plate	24.00 - 24.42	1.0000	1.0000
L63	1	LDF7-50A(1-5/8")	23.75 - 24.00	1.0000	1.0000
L63	2	LDF7-50A(1-5/8")	23.75 - 24.00	1.0000	1.0000
L63	5	2" Rigid Conduit	23.75 - 24.00	1.0000	1.0000
L63	7	PWRT-606-S(7/8)	23.75 - 24.00	1.0000	1.0000
L63	8	PWRT-606-S(7/8)	23.75 - 24.00	1.0000	1.0000
L63	9	FB-L98B-034-XXX(3/8")	23.75 - 24.00	1.0000	1.0000
L63	11	FDH1204-24SE2-70M(1-3/4)	23.75 - 24.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L63	15	561(1-5/8")	23.75 - 24.00	1.0000	1.0000
L63	23	Safety Line 3/8	23.75 - 24.00	1.0000	1.0000
L63	26	MP3-05	23.75 - 24.00	1.0000	1.0000
L63	27	MP3-05	23.75 - 24.00	1.0000	1.0000
L63	28	MP3-05	23.75 - 24.00	1.0000	1.0000
L63	35	CCI 6" x 1" Plate	23.75 - 24.00	1.0000	1.0000
L63	36	CCI 6" x 1" Plate	23.75 - 24.00	1.0000	1.0000
L63	37	CCI 6" x 1" Plate	23.75 - 24.00	1.0000	1.0000
L63	45	CCI 6.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	46	CCI 6.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	47	CCI 6.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	60	CCI 8.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	63	CCI 8.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	64	CCI 8.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	71	CCI 1.25" x 5.875" Plate	23.75 - 24.00	1.0000	1.0000
L63	72	CCI 1.25" x 5.875" Plate	23.75 - 24.00	1.0000	1.0000
L63	73	CCI 1.25" x 5.875" Plate	23.75 - 24.00	1.0000	1.0000
L63	74	CCI 1.25" x 5.875" Plate	23.75 - 24.00	1.0000	1.0000
L64	1	LDF7-50A(1-5/8")	18.75 - 23.75	1.0000	1.0000
L64	2	LDF7-50A(1-5/8")	18.75 - 23.75	1.0000	1.0000
L64	5	2" Rigid Conduit	18.75 - 23.75	1.0000	1.0000
L64	7	PWRT-606-S(7/8)	18.75 - 23.75	1.0000	1.0000
L64	8	PWRT-606-S(7/8)	18.75 - 23.75	1.0000	1.0000
L64	9	FB-L98B-034-XXX(3/8")	18.75 - 23.75	1.0000	1.0000
L64	11	FDH1204-24SE2-70M(1-3/4)	18.75 - 23.75	1.0000	1.0000
L64	15	561(1-5/8")	18.75 - 23.75	1.0000	1.0000
L64	23	Safety Line 3/8	18.75 - 23.75	1.0000	1.0000
L64	26	MP3-05	18.75 - 23.75	1.0000	1.0000
L64	27	MP3-05	18.75 - 23.75	1.0000	1.0000
L64	28	MP3-05	18.75 - 23.75	1.0000	1.0000
L64	35	CCI 6" x 1" Plate	18.75 - 23.75	1.0000	1.0000
L64	36	CCI 6" x 1" Plate	18.75 - 23.75	1.0000	1.0000
L64	37	CCI 6" x 1" Plate	18.75 - 23.75	1.0000	1.0000
L64	45	CCI 6.5" x 1.25" Plate	23.00 - 23.75	1.0000	1.0000
L64	46	CCI 6.5" x 1.25" Plate	23.00 - 23.75	1.0000	1.0000
L64	47	CCI 6.5" x 1.25" Plate	23.00 - 23.75	1.0000	1.0000
L64	60	CCI 8.5" x 1.25" Plate	18.75 - 23.75	1.0000	1.0000
L64	63	CCI 8.5" x 1.25" Plate	20.40 - 23.75	1.0000	1.0000
L64	64	CCI 8.5" x 1.25" Plate	20.40 - 23.75	1.0000	1.0000
L64	71	CCI 1.25" x 5.875" Plate	18.75 - 23.75	1.0000	1.0000
L64	72	CCI 1.25" x 5.875" Plate	18.75 - 23.75	1.0000	1.0000
L64	73	CCI 1.25" x 5.875" Plate	18.75 - 23.75	1.0000	1.0000
L64	74	CCI 1.25" x 5.875" Plate	18.75 - 23.75	1.0000	1.0000
L65	1	LDF7-50A(1-5/8")	14.08 - 18.75	1.0000	1.0000
L65	2	LDF7-50A(1-5/8")	14.08 - 18.75	1.0000	1.0000
L65	5	2" Rigid Conduit	14.08 - 18.75	1.0000	1.0000
L65	7	PWRT-606-S(7/8)	14.08 - 18.75	1.0000	1.0000
L65	8	PWRT-606-S(7/8)	14.08 - 18.75	1.0000	1.0000
L65	9	FB-L98B-034-XXX(3/8")	14.08 - 18.75	1.0000	1.0000
L65	11	FDH1204-24SE2-70M(1-3/4)	14.08 - 18.75	1.0000	1.0000
L65	15	561(1-5/8")	14.08 - 18.75	1.0000	1.0000
L65	23	Safety Line 3/8	14.08 - 18.75	1.0000	1.0000
L65	26	MP3-05	14.08 - 18.75	1.0000	1.0000
L65	27	MP3-05	14.08 - 18.75	1.0000	1.0000
L65	28	MP3-05	14.08 - 18.75	1.0000	1.0000
L65	32	MP3-04	14.08 - 15.50	1.0000	1.0000
L65	33	MP3-04	14.08 - 15.50	1.0000	1.0000
L65	35	CCI 6" x 1" Plate	14.08 - 18.75	1.0000	1.0000
L65	36	CCI 6" x 1" Plate	14.08 - 18.75	1.0000	1.0000
L65	37	CCI 6" x 1" Plate	14.08 - 18.75	1.0000	1.0000
L65	60	CCI 8.5" x 1.25" Plate	14.08 - 18.75	1.0000	1.0000
L65	71	CCI 1.25" x 5.875" Plate	14.08 - 18.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L65	72	CCI 1.25" x 5.875" Plate	14.08 - 18.75	1.0000	1.0000
L65	73	CCI 1.25" x 5.875" Plate	14.08 - 18.75	1.0000	1.0000
L65	74	CCI 1.25" x 5.875" Plate	14.08 - 18.75	1.0000	1.0000
L66	1	LDF7-50A(1-5/8")	13.82 - 14.08	1.0000	1.0000
L66	2	LDF7-50A(1-5/8")	13.82 - 14.08	1.0000	1.0000
L66	5	2" Rigid Conduit	13.82 - 14.08	1.0000	1.0000
L66	7	PWRT-606-S(7/8)	13.82 - 14.08	1.0000	1.0000
L66	8	PWRT-606-S(7/8)	13.82 - 14.08	1.0000	1.0000
L66	9	FB-L98B-034-XXX(3/8")	13.82 - 14.08	1.0000	1.0000
L66	11	FDH1204-24SE2-70M(1-3/4)	13.82 - 14.08	1.0000	1.0000
L66	15	561(1-5/8")	13.82 - 14.08	1.0000	1.0000
L66	23	Safety Line 3/8	13.82 - 14.08	1.0000	1.0000
L66	26	MP3-05	13.82 - 14.08	1.0000	1.0000
L66	27	MP3-05	13.82 - 14.08	1.0000	1.0000
L66	28	MP3-05	13.82 - 14.08	1.0000	1.0000
L66	32	MP3-04	13.82 - 14.08	1.0000	1.0000
L66	33	MP3-04	13.82 - 14.08	1.0000	1.0000
L66	35	CCI 6" x 1" Plate	13.82 - 14.08	1.0000	1.0000
L66	36	CCI 6" x 1" Plate	13.82 - 14.08	1.0000	1.0000
L66	37	CCI 6" x 1" Plate	13.82 - 14.08	1.0000	1.0000
L66	60	CCI 8.5" x 1.25" Plate	13.82 - 14.08	1.0000	1.0000
L66	71	CCI 1.25" x 5.875" Plate	13.82 - 14.08	1.0000	1.0000
L66	72	CCI 1.25" x 5.875" Plate	13.82 - 14.08	1.0000	1.0000
L66	73	CCI 1.25" x 5.875" Plate	13.82 - 14.08	1.0000	1.0000
L66	74	CCI 1.25" x 5.875" Plate	13.82 - 14.08	1.0000	1.0000
L67	1	LDF7-50A(1-5/8")	13.67 - 13.82	1.0000	1.0000
L67	2	LDF7-50A(1-5/8")	13.67 - 13.82	1.0000	1.0000
L67	5	2" Rigid Conduit	13.67 - 13.82	1.0000	1.0000
L67	7	PWRT-606-S(7/8)	13.67 - 13.82	1.0000	1.0000
L67	8	PWRT-606-S(7/8)	13.67 - 13.82	1.0000	1.0000
L67	9	FB-L98B-034-XXX(3/8")	13.67 - 13.82	1.0000	1.0000
L67	11	FDH1204-24SE2-70M(1-3/4)	13.67 - 13.82	1.0000	1.0000
L67	15	561(1-5/8")	13.67 - 13.82	1.0000	1.0000
L67	23	Safety Line 3/8	13.67 - 13.82	1.0000	1.0000
L67	26	MP3-05	13.67 - 13.82	1.0000	1.0000
L67	27	MP3-05	13.67 - 13.82	1.0000	1.0000
L67	28	MP3-05	13.67 - 13.82	1.0000	1.0000
L67	32	MP3-04	13.67 - 13.82	1.0000	1.0000
L67	33	MP3-04	13.67 - 13.82	1.0000	1.0000
L67	35	CCI 6" x 1" Plate	13.67 - 13.82	1.0000	1.0000
L67	36	CCI 6" x 1" Plate	13.67 - 13.82	1.0000	1.0000
L67	37	CCI 6" x 1" Plate	13.67 - 13.82	1.0000	1.0000
L67	60	CCI 8.5" x 1.25" Plate	13.67 - 13.82	1.0000	1.0000
L67	71	CCI 1.25" x 5.875" Plate	13.67 - 13.82	1.0000	1.0000
L67	72	CCI 1.25" x 5.875" Plate	13.67 - 13.82	1.0000	1.0000
L67	73	CCI 1.25" x 5.875" Plate	13.67 - 13.82	1.0000	1.0000
L67	74	CCI 1.25" x 5.875" Plate	13.67 - 13.82	1.0000	1.0000
L68	1	LDF7-50A(1-5/8")	10.50 - 13.67	1.0000	1.0000
L68	2	LDF7-50A(1-5/8")	10.50 - 13.67	1.0000	1.0000
L68	5	2" Rigid Conduit	10.50 - 13.67	1.0000	1.0000
L68	7	PWRT-606-S(7/8)	10.50 - 13.67	1.0000	1.0000
L68	8	PWRT-606-S(7/8)	10.50 - 13.67	1.0000	1.0000
L68	9	FB-L98B-034-XXX(3/8")	10.50 - 13.67	1.0000	1.0000
L68	11	FDH1204-24SE2-70M(1-3/4)	10.50 - 13.67	1.0000	1.0000
L68	15	561(1-5/8")	10.50 - 13.67	1.0000	1.0000
L68	23	Safety Line 3/8	10.50 - 13.67	1.0000	1.0000
L68	26	MP3-05	11.50 - 13.67	1.0000	1.0000
L68	27	MP3-05	10.50 - 13.67	1.0000	1.0000
L68	28	MP3-05	10.50 - 13.67	1.0000	1.0000
L68	32	MP3-04	10.50 - 13.67	1.0000	1.0000
L68	33	MP3-04	10.50 - 13.67	1.0000	1.0000
L68	35	CCI 6" x 1" Plate	10.50 - 13.67	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L68	36	CCI 6" x 1" Plate	10.50 - 13.67	1.0000	1.0000
L68	37	CCI 6" x 1" Plate	10.50 - 13.67	1.0000	1.0000
L68	60	CCI 8.5" x 1.25" Plate	10.50 - 13.67	1.0000	1.0000
L68	71	CCI 1.25" x 5.875" Plate	10.50 - 13.67	1.0000	1.0000
L68	72	CCI 1.25" x 5.875" Plate	10.50 - 13.67	1.0000	1.0000
L68	73	CCI 1.25" x 5.875" Plate	10.50 - 13.67	1.0000	1.0000
L68	74	CCI 1.25" x 5.875" Plate	10.50 - 13.67	1.0000	1.0000
L69	1	LDF7-50A(1-5/8")	10.25 - 10.50	1.0000	1.0000
L69	2	LDF7-50A(1-5/8")	10.25 - 10.50	1.0000	1.0000
L69	5	2" Rigid Conduit	10.25 - 10.50	1.0000	1.0000
L69	7	PWRT-606-S(7/8)	10.25 - 10.50	1.0000	1.0000
L69	8	PWRT-606-S(7/8)	10.25 - 10.50	1.0000	1.0000
L69	9	FB-L98B-034-XXX(3/8")	10.25 - 10.50	1.0000	1.0000
L69	11	FDH1204-24SE2-70M(1-3/4)	10.25 - 10.50	1.0000	1.0000
L69	15	561(1-5/8")	10.25 - 10.50	1.0000	1.0000
L69	23	Safety Line 3/8	10.25 - 10.50	1.0000	1.0000
L69	27	MP3-05	10.25 - 10.50	1.0000	1.0000
L69	28	MP3-05	10.25 - 10.50	1.0000	1.0000
L69	32	MP3-04	10.25 - 10.50	1.0000	1.0000
L69	33	MP3-04	10.25 - 10.50	1.0000	1.0000
L69	35	CCI 6" x 1" Plate	10.25 - 10.50	1.0000	1.0000
L69	36	CCI 6" x 1" Plate	10.25 - 10.50	1.0000	1.0000
L69	37	CCI 6" x 1" Plate	10.25 - 10.50	1.0000	1.0000
L69	59	CCI 6" x 1" Plate	10.25 - 10.50	1.0000	1.0000
L69	71	CCI 1.25" x 5.875" Plate	10.25 - 10.50	1.0000	1.0000
L69	72	CCI 1.25" x 5.875" Plate	10.25 - 10.50	1.0000	1.0000
L69	73	CCI 1.25" x 5.875" Plate	10.25 - 10.50	1.0000	1.0000
L69	74	CCI 1.25" x 5.875" Plate	10.25 - 10.50	1.0000	1.0000
L70	1	LDF7-50A(1-5/8")	5.25 - 10.25	1.0000	1.0000
L70	2	LDF7-50A(1-5/8")	5.25 - 10.25	1.0000	1.0000
L70	5	2" Rigid Conduit	5.25 - 10.25	1.0000	1.0000
L70	7	PWRT-606-S(7/8)	5.25 - 10.25	1.0000	1.0000
L70	8	PWRT-606-S(7/8)	5.25 - 10.25	1.0000	1.0000
L70	9	FB-L98B-034-XXX(3/8")	5.25 - 10.25	1.0000	1.0000
L70	11	FDH1204-24SE2-70M(1-3/4)	5.25 - 10.25	1.0000	1.0000
L70	15	561(1-5/8")	5.25 - 10.25	1.0000	1.0000
L70	23	Safety Line 3/8	5.25 - 10.25	1.0000	1.0000
L70	27	MP3-05	5.25 - 10.25	1.0000	1.0000
L70	28	MP3-05	5.25 - 10.25	1.0000	1.0000
L70	32	MP3-04	5.25 - 10.25	1.0000	1.0000
L70	33	MP3-04	5.25 - 10.25	1.0000	1.0000
L70	35	CCI 6" x 1" Plate	5.25 - 10.25	1.0000	1.0000
L70	36	CCI 6" x 1" Plate	5.25 - 10.25	1.0000	1.0000
L70	37	CCI 6" x 1" Plate	5.25 - 10.25	1.0000	1.0000
L70	59	CCI 6" x 1" Plate	5.25 - 10.25	1.0000	1.0000
L70	71	CCI 1.25" x 5.875" Plate	5.25 - 10.25	1.0000	1.0000
L70	72	CCI 1.25" x 5.875" Plate	5.25 - 10.25	1.0000	1.0000
L70	73	CCI 1.25" x 5.875" Plate	5.25 - 10.25	1.0000	1.0000
L70	74	CCI 1.25" x 5.875" Plate	5.25 - 10.25	1.0000	1.0000
L71	1	LDF7-50A(1-5/8")	2.90 - 5.25	1.0000	1.0000
L71	2	LDF7-50A(1-5/8")	2.90 - 5.25	1.0000	1.0000
L71	5	2" Rigid Conduit	2.90 - 5.25	1.0000	1.0000
L71	7	PWRT-606-S(7/8)	2.90 - 5.25	1.0000	1.0000
L71	8	PWRT-606-S(7/8)	2.90 - 5.25	1.0000	1.0000
L71	9	FB-L98B-034-XXX(3/8")	2.90 - 5.25	1.0000	1.0000
L71	11	FDH1204-24SE2-70M(1-3/4)	2.90 - 5.25	1.0000	1.0000
L71	15	561(1-5/8")	2.90 - 5.25	1.0000	1.0000
L71	23	Safety Line 3/8	2.90 - 5.25	1.0000	1.0000
L71	27	MP3-05	2.90 - 5.25	1.0000	1.0000
L71	28	MP3-05	2.90 - 5.25	1.0000	1.0000
L71	32	MP3-04	2.90 - 5.25	1.0000	1.0000
L71	33	MP3-04	2.90 - 5.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L71	35	CCI 6" x 1" Plate	2.90 - 5.25	1.0000	1.0000
L71	36	CCI 6" x 1" Plate	2.90 - 5.25	1.0000	1.0000
L71	37	CCI 6" x 1" Plate	2.90 - 5.25	1.0000	1.0000
L71	59	CCI 6" x 1" Plate	2.90 - 5.25	1.0000	1.0000
L71	71	CCI 1.25" x 5.875" Plate	2.90 - 5.25	1.0000	1.0000
L71	72	CCI 1.25" x 5.875" Plate	2.90 - 5.25	1.0000	1.0000
L71	73	CCI 1.25" x 5.875" Plate	2.90 - 5.25	1.0000	1.0000
L71	74	CCI 1.25" x 5.875" Plate	2.90 - 5.25	1.0000	1.0000
L72	1	LDF7-50A(1-5/8")	2.65 - 2.90	1.0000	1.0000
L72	2	LDF7-50A(1-5/8")	2.65 - 2.90	1.0000	1.0000
L72	5	2" Rigid Conduit	2.65 - 2.90	1.0000	1.0000
L72	7	PWRT-606-S(7/8)	2.65 - 2.90	1.0000	1.0000
L72	8	PWRT-606-S(7/8)	2.65 - 2.90	1.0000	1.0000
L72	9	FB-L98B-034-XXX(3/8")	2.65 - 2.90	1.0000	1.0000
L72	11	FDH1204-24SE2-70M(1-3/4)	2.65 - 2.90	1.0000	1.0000
L72	15	561(1-5/8")	2.65 - 2.90	1.0000	1.0000
L72	23	Safety Line 3/8	2.65 - 2.90	1.0000	1.0000
L72	27	MP3-05	2.65 - 2.90	1.0000	1.0000
L72	28	MP3-05	2.65 - 2.90	1.0000	1.0000
L72	32	MP3-04	2.65 - 2.90	1.0000	1.0000
L72	33	MP3-04	2.65 - 2.90	1.0000	1.0000
L72	35	CCI 6" x 1" Plate	2.65 - 2.90	1.0000	1.0000
L72	36	CCI 6" x 1" Plate	2.65 - 2.90	1.0000	1.0000
L72	37	CCI 6" x 1" Plate	2.65 - 2.90	1.0000	1.0000
L72	59	CCI 6" x 1" Plate	2.65 - 2.90	1.0000	1.0000
L72	71	CCI 1.25" x 5.875" Plate	2.65 - 2.90	1.0000	1.0000
L72	72	CCI 1.25" x 5.875" Plate	2.65 - 2.90	1.0000	1.0000
L72	73	CCI 1.25" x 5.875" Plate	2.65 - 2.90	1.0000	1.0000
L72	74	CCI 1.25" x 5.875" Plate	2.65 - 2.90	1.0000	1.0000
L73	1	LDF7-50A(1-5/8")	2.50 - 2.65	1.0000	1.0000
L73	2	LDF7-50A(1-5/8")	2.50 - 2.65	1.0000	1.0000
L73	5	2" Rigid Conduit	2.50 - 2.65	1.0000	1.0000
L73	7	PWRT-606-S(7/8)	2.50 - 2.65	1.0000	1.0000
L73	8	PWRT-606-S(7/8)	2.50 - 2.65	1.0000	1.0000
L73	9	FB-L98B-034-XXX(3/8")	2.50 - 2.65	1.0000	1.0000
L73	11	FDH1204-24SE2-70M(1-3/4)	2.50 - 2.65	1.0000	1.0000
L73	15	561(1-5/8")	2.50 - 2.65	1.0000	1.0000
L73	23	Safety Line 3/8	2.50 - 2.65	1.0000	1.0000
L73	27	MP3-05	2.50 - 2.65	1.0000	1.0000
L73	28	MP3-05	2.50 - 2.65	1.0000	1.0000
L73	32	MP3-04	2.50 - 2.65	1.0000	1.0000
L73	33	MP3-04	2.50 - 2.65	1.0000	1.0000
L73	35	CCI 6" x 1" Plate	2.50 - 2.65	1.0000	1.0000
L73	36	CCI 6" x 1" Plate	2.50 - 2.65	1.0000	1.0000
L73	37	CCI 6" x 1" Plate	2.50 - 2.65	1.0000	1.0000
L73	59	CCI 6" x 1" Plate	2.50 - 2.65	1.0000	1.0000
L73	71	CCI 1.25" x 5.875" Plate	2.50 - 2.65	1.0000	1.0000
L73	72	CCI 1.25" x 5.875" Plate	2.50 - 2.65	1.0000	1.0000
L73	73	CCI 1.25" x 5.875" Plate	2.50 - 2.65	1.0000	1.0000
L73	74	CCI 1.25" x 5.875" Plate	2.50 - 2.65	1.0000	1.0000
L74	1	LDF7-50A(1-5/8")	2.25 - 2.50	1.0000	1.0000
L74	2	LDF7-50A(1-5/8")	2.25 - 2.50	1.0000	1.0000
L74	5	2" Rigid Conduit	2.25 - 2.50	1.0000	1.0000
L74	7	PWRT-606-S(7/8)	2.25 - 2.50	1.0000	1.0000
L74	8	PWRT-606-S(7/8)	2.25 - 2.50	1.0000	1.0000
L74	9	FB-L98B-034-XXX(3/8")	2.25 - 2.50	1.0000	1.0000
L74	11	FDH1204-24SE2-70M(1-3/4)	2.25 - 2.50	1.0000	1.0000
L74	15	561(1-5/8")	2.25 - 2.50	1.0000	1.0000
L74	23	Safety Line 3/8	2.25 - 2.50	1.0000	1.0000
L74	27	MP3-05	2.25 - 2.50	1.0000	1.0000
L74	28	MP3-05	2.25 - 2.50	1.0000	1.0000
L74	32	MP3-04	2.25 - 2.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L74	33	MP3-04	2.25 - 2.50	1.0000	1.0000
L74	35	CCI 6" x 1" Plate	2.25 - 2.50	1.0000	1.0000
L74	36	CCI 6" x 1" Plate	2.25 - 2.50	1.0000	1.0000
L74	37	CCI 6" x 1" Plate	2.25 - 2.50	1.0000	1.0000
L74	59	CCI 6" x 1" Plate	2.25 - 2.50	1.0000	1.0000
L74	71	CCI 1.25" x 5.875" Plate	2.25 - 2.50	1.0000	1.0000
L74	72	CCI 1.25" x 5.875" Plate	2.25 - 2.50	1.0000	1.0000
L74	73	CCI 1.25" x 5.875" Plate	2.25 - 2.50	1.0000	1.0000
L74	74	CCI 1.25" x 5.875" Plate	2.25 - 2.50	1.0000	1.0000
L75	1	LDF7-50A(1-5/8")	1.92 - 2.25	1.0000	1.0000
L75	2	LDF7-50A(1-5/8")	1.92 - 2.25	1.0000	1.0000
L75	5	2" Rigid Conduit	1.92 - 2.25	1.0000	1.0000
L75	7	PWRT-606-S(7/8)	1.92 - 2.25	1.0000	1.0000
L75	8	PWRT-606-S(7/8)	1.92 - 2.25	1.0000	1.0000
L75	9	FB-L98B-034-XXX(3/8")	1.92 - 2.25	1.0000	1.0000
L75	11	FDH1204-24SE2-70M(1-3/4)	1.92 - 2.25	1.0000	1.0000
L75	15	561(1-5/8")	1.92 - 2.25	1.0000	1.0000
L75	23	Safety Line 3/8	1.92 - 2.25	1.0000	1.0000
L75	27	MP3-05	1.92 - 2.25	1.0000	1.0000
L75	28	MP3-05	1.92 - 2.25	1.0000	1.0000
L75	32	MP3-04	1.92 - 2.25	1.0000	1.0000
L75	33	MP3-04	1.92 - 2.25	1.0000	1.0000
L75	35	CCI 6" x 1" Plate	1.92 - 2.25	1.0000	1.0000
L75	36	CCI 6" x 1" Plate	1.92 - 2.25	1.0000	1.0000
L75	37	CCI 6" x 1" Plate	1.92 - 2.25	1.0000	1.0000
L75	59	CCI 6" x 1" Plate	1.92 - 2.25	1.0000	1.0000
L75	71	CCI 1.25" x 5.875" Plate	1.92 - 2.25	1.0000	1.0000
L75	72	CCI 1.25" x 5.875" Plate	1.92 - 2.25	1.0000	1.0000
L75	73	CCI 1.25" x 5.875" Plate	1.92 - 2.25	1.0000	1.0000
L75	74	CCI 1.25" x 5.875" Plate	1.92 - 2.25	1.0000	1.0000
L76	1	LDF7-50A(1-5/8")	1.67 - 1.92	1.0000	1.0000
L76	2	LDF7-50A(1-5/8")	1.67 - 1.92	1.0000	1.0000
L76	5	2" Rigid Conduit	1.67 - 1.92	1.0000	1.0000
L76	7	PWRT-606-S(7/8)	1.67 - 1.92	1.0000	1.0000
L76	8	PWRT-606-S(7/8)	1.67 - 1.92	1.0000	1.0000
L76	9	FB-L98B-034-XXX(3/8")	1.67 - 1.92	1.0000	1.0000
L76	11	FDH1204-24SE2-70M(1-3/4)	1.67 - 1.92	1.0000	1.0000
L76	15	561(1-5/8")	1.67 - 1.92	1.0000	1.0000
L76	23	Safety Line 3/8	1.67 - 1.92	1.0000	1.0000
L76	27	MP3-05	1.67 - 1.92	1.0000	1.0000
L76	28	MP3-05	1.67 - 1.92	1.0000	1.0000
L76	32	MP3-04	1.67 - 1.92	1.0000	1.0000
L76	33	MP3-04	1.67 - 1.92	1.0000	1.0000
L76	35	CCI 6" x 1" Plate	1.67 - 1.92	1.0000	1.0000
L76	36	CCI 6" x 1" Plate	1.67 - 1.92	1.0000	1.0000
L76	37	CCI 6" x 1" Plate	1.67 - 1.92	1.0000	1.0000
L76	59	CCI 6" x 1" Plate	1.67 - 1.92	1.0000	1.0000
L76	71	CCI 1.25" x 5.875" Plate	1.67 - 1.92	1.0000	1.0000
L76	72	CCI 1.25" x 5.875" Plate	1.67 - 1.92	1.0000	1.0000
L76	73	CCI 1.25" x 5.875" Plate	1.67 - 1.92	1.0000	1.0000
L76	74	CCI 1.25" x 5.875" Plate	1.67 - 1.92	1.0000	1.0000
L77	1	LDF7-50A(1-5/8")	0.00 - 1.67	1.0000	1.0000
L77	2	LDF7-50A(1-5/8")	0.00 - 1.67	1.0000	1.0000
L77	5	2" Rigid Conduit	0.00 - 1.67	1.0000	1.0000
L77	7	PWRT-606-S(7/8)	0.00 - 1.67	1.0000	1.0000
L77	8	PWRT-606-S(7/8)	0.00 - 1.67	1.0000	1.0000
L77	9	FB-L98B-034-XXX(3/8")	0.00 - 1.67	1.0000	1.0000
L77	11	FDH1204-24SE2-70M(1-3/4)	0.00 - 1.67	1.0000	1.0000
L77	15	561(1-5/8")	0.00 - 1.67	1.0000	1.0000
L77	23	Safety Line 3/8	0.00 - 1.67	1.0000	1.0000
L77	27	MP3-05	0.00 - 1.67	1.0000	1.0000
L77	28	MP3-05	0.00 - 1.67	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L77	32	MP3-04	0.00 - 1.67	1.0000	1.0000
L77	33	MP3-04	0.00 - 1.67	1.0000	1.0000
L77	35	CCI 6" x 1" Plate	0.00 - 1.67	1.0000	1.0000
L77	36	CCI 6" x 1" Plate	0.00 - 1.67	1.0000	1.0000
L77	37	CCI 6" x 1" Plate	0.00 - 1.67	1.0000	1.0000
L77	59	CCI 6" x 1" Plate	0.00 - 1.67	1.0000	1.0000
L77	71	CCI 1.25" x 5.875" Plate	0.00 - 1.67	1.0000	1.0000
L77	72	CCI 1.25" x 5.875" Plate	0.00 - 1.67	1.0000	1.0000
L77	73	CCI 1.25" x 5.875" Plate	0.00 - 1.67	1.0000	1.0000
L77	74	CCI 1.25" x 5.875" Plate	0.00 - 1.67	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
L9	67	CCI 6" x 1" Plate	121.33 - 122.60	Auto	0.0000
L9	68	CCI 6" x 1" Plate	121.33 - 122.60	Auto	0.0000
L9	69	CCI 6" x 1" Plate	121.33 - 122.60	Auto	0.0000
L10	67	CCI 6" x 1" Plate	120.08 - 121.33	Auto	0.0000
L10	68	CCI 6" x 1" Plate	120.08 - 121.33	Auto	0.0000
L10	69	CCI 6" x 1" Plate	120.08 - 121.33	Auto	0.0000
L11	67	CCI 6" x 1" Plate	119.83 - 120.08	Auto	0.0174
L11	68	CCI 6" x 1" Plate	119.83 - 120.08	Auto	0.0174
L11	69	CCI 6" x 1" Plate	119.83 - 120.08	Auto	0.0174
L12	57	CCI 4.5" x 1" Plate	117.50 - 119.00	Auto	0.0000
L12	67	CCI 6" x 1" Plate	117.50 - 119.83	Auto	0.0069
L12	68	CCI 6" x 1" Plate	117.50 - 119.83	Auto	0.0069
L12	69	CCI 6" x 1" Plate	117.50 - 119.83	Auto	0.0069
L13	57	CCI 4.5" x 1" Plate	117.25 - 117.50	Auto	0.0000
L13	67	CCI 6" x 1" Plate	117.25 - 117.50	Auto	0.0016
L13	68	CCI 6" x 1" Plate	117.25 - 117.50	Auto	0.0016
L13	69	CCI 6" x 1" Plate	117.25 - 117.50	Auto	0.0016
L14	55	CCI 4.5" x 1" Plate	115.50 - 117.00	Auto	0.0000
L14	56	CCI 4.5" x 1" Plate	115.50 - 117.00	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L14	57	CCI 4.5" x 1" Plate	115.50 - 117.25	Auto	0.0000
L14	67	CCI 6" x 1" Plate	115.50 - 117.25	Auto	0.0000
L14	68	CCI 6" x 1" Plate	115.50 - 117.25	Auto	0.0000
L14	69	CCI 6" x 1" Plate	115.50 - 117.25	Auto	0.0000
L15	55	CCI 4.5" x 1" Plate	115.25 - 115.50	Auto	0.0000
L15	56	CCI 4.5" x 1" Plate	115.25 - 115.50	Auto	0.0000
L15	57	CCI 4.5" x 1" Plate	115.25 - 115.50	Auto	0.0000
L15	67	CCI 6" x 1" Plate	115.25 - 115.50	Auto	0.0577
L15	68	CCI 6" x 1" Plate	115.25 - 115.50	Auto	0.0577
L15	69	CCI 6" x 1" Plate	115.25 - 115.50	Auto	0.0577
L16	55	CCI 4.5" x 1" Plate	110.25 - 115.25	Auto	0.0000
L16	56	CCI 4.5" x 1" Plate	110.25 - 115.25	Auto	0.0000
L16	57	CCI 4.5" x 1" Plate	110.25 - 115.25	Auto	0.0000
L16	67	CCI 6" x 1" Plate	110.25 - 115.25	Auto	0.0305
L16	68	CCI 6" x 1" Plate	110.25 - 115.25	Auto	0.0305
L16	69	CCI 6" x 1" Plate	110.25 - 115.25	Auto	0.0305
L17	55	CCI 4.5" x 1" Plate	104.08 - 110.25	Auto	0.0000
L17	56	CCI 4.5" x 1" Plate	104.08 - 110.25	Auto	0.0000
L17	57	CCI 4.5" x 1" Plate	104.08 - 110.25	Auto	0.0000
L17	67	CCI 6" x 1" Plate	104.08 - 110.25	Auto	0.0002
L17	68	CCI 6" x 1" Plate	104.08 - 110.25	Auto	0.0002
L17	69	CCI 6" x 1" Plate	104.08 - 110.25	Auto	0.0002
L18	55	CCI 4.5" x 1" Plate	102.82 - 104.08	Auto	0.0000
L18	56	CCI 4.5" x 1" Plate	102.82 - 104.08	Auto	0.0000
L18	57	CCI 4.5" x 1" Plate	102.82 - 104.08	Auto	0.0000
L18	67	CCI 6" x 1" Plate	102.82 - 104.08	Auto	0.0006
L18	68	CCI 6" x 1" Plate	102.82 - 104.08	Auto	0.0006
L18	69	CCI 6" x 1" Plate	102.82 - 104.08	Auto	0.0006
L19	55	CCI 4.5" x 1" Plate	100.50 - 102.82	Auto	0.0000
L19	56	CCI 4.5" x 1" Plate	100.50 - 102.82	Auto	0.0000
L19	57	CCI 4.5" x 1" Plate	100.50 -	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L19	67	CCI 6" x 1" Plate	102.82 100.50 - 102.82	Auto	0.0000
L19	68	CCI 6" x 1" Plate	100.50 - 102.82	Auto	0.0000
L19	69	CCI 6" x 1" Plate	100.60 - 102.82	Auto	0.0000
L20	41	CCI 6" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	42	CCI 6" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	43	CCI 6" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	55	CCI 4.5" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	56	CCI 4.5" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	57	CCI 4.5" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	67	CCI 6" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	68	CCI 6" x 1" Plate	100.25 - 100.50	Auto	0.0000
L21	41	CCI 6" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	42	CCI 6" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	43	CCI 6" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	55	CCI 4.5" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	56	CCI 4.5" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	57	CCI 4.5" x 1" Plate	99.00 - 100.25	Auto	0.0000
L21	67	CCI 6" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	68	CCI 6" x 1" Plate	98.50 - 100.25	Auto	0.0000
L22	41	CCI 6" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	42	CCI 6" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	43	CCI 6" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	55	CCI 4.5" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	56	CCI 4.5" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	67	CCI 6" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	68	CCI 6" x 1" Plate	98.25 - 98.50	Auto	0.0000
L23	41	CCI 6" x 1" Plate	93.25 - 98.25	Auto	0.0000
L23	42	CCI 6" x 1" Plate	93.25 - 98.25	Auto	0.0000
L23	43	CCI 6" x 1" Plate	93.25 - 98.25	Auto	0.0000
L23	55	CCI 4.5" x 1" Plate	97.00 - 98.25	Auto	0.0000
L23	56	CCI 4.5" x 1" Plate	97.00 - 98.25	Auto	0.0000
L23	67	CCI 6" x 1" Plate	93.25 - 98.25	Auto	0.0000
L23	68	CCI 6" x 1" Plate	93.25 - 98.25	Auto	0.0000
L24	41	CCI 6" x 1" Plate	90.50 - 93.25	Auto	0.0000
L24	42	CCI 6" x 1" Plate	90.50 - 93.25	Auto	0.0000
L24	43	CCI 6" x 1" Plate	90.50 - 93.25	Auto	0.0000
L24	67	CCI 6" x 1" Plate	90.60 - 93.25	Auto	0.0000
L24	68	CCI 6" x 1" Plate	90.60 - 93.25	Auto	0.0000
L25	41	CCI 6" x 1" Plate	90.25 - 90.50	Auto	0.0000
L25	42	CCI 6" x 1" Plate	90.25 - 90.50	Auto	0.0000
L25	43	CCI 6" x 1" Plate	90.25 - 90.50	Auto	0.0000
L25	65	CCI 8.5" x 1.25" Plate	90.25 - 90.50	Auto	0.2129
L25	66	CCI 8.5" x 1.25" Plate	90.25 - 90.50	Auto	0.2129
L26	41	CCI 6" x 1" Plate	85.25 - 90.25	Auto	0.0000
L26	42	CCI 6" x 1" Plate	85.25 - 90.25	Auto	0.0000
L26	43	CCI 6" x 1" Plate	85.25 - 90.25	Auto	0.0000
L26	51	CCI 6.5" x 1.25" Plate	85.25 - 85.50	Auto	0.0000
L26	52	CCI 6.5" x 1.25" Plate	85.25 - 85.50	Auto	0.0000
L26	53	CCI 6.5" x 1.25" Plate	85.25 - 85.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L26	65	CCI 8.5" x 1.25" Plate	85.25 - 90.25	Auto	0.1937
L26	66	CCI 8.5" x 1.25" Plate	85.25 - 90.25	Auto	0.1937
L27	41	CCI 6" x 1" Plate	83.50 - 85.25	Auto	0.0000
L27	42	CCI 6" x 1" Plate	83.50 - 85.25	Auto	0.0000
L27	43	CCI 6" x 1" Plate	83.50 - 85.25	Auto	0.0000
L27	51	CCI 6.5" x 1.25" Plate	83.50 - 85.25	Auto	0.0000
L27	52	CCI 6.5" x 1.25" Plate	83.50 - 85.25	Auto	0.0000
L27	53	CCI 6.5" x 1.25" Plate	83.50 - 85.25	Auto	0.0000
L27	61	CCI 8.5" x 1.25" Plate	83.50 - 85.00	Auto	0.1694
L27	65	CCI 8.5" x 1.25" Plate	83.50 - 85.25	Auto	0.1701
L27	66	CCI 8.5" x 1.25" Plate	83.50 - 85.25	Auto	0.1701
L28	41	CCI 6" x 1" Plate	83.25 - 83.50	Auto	0.0000
L28	42	CCI 6" x 1" Plate	83.25 - 83.50	Auto	0.0000
L28	43	CCI 6" x 1" Plate	83.25 - 83.50	Auto	0.0000
L28	51	CCI 6.5" x 1.25" Plate	83.25 - 83.50	Auto	0.0102
L28	52	CCI 6.5" x 1.25" Plate	83.25 - 83.50	Auto	0.0102
L28	53	CCI 6.5" x 1.25" Plate	83.25 - 83.50	Auto	0.0102
L28	61	CCI 8.5" x 1.25" Plate	83.25 - 83.50	Auto	0.2431
L28	65	CCI 8.5" x 1.25" Plate	83.25 - 83.50	Auto	0.2431
L28	66	CCI 8.5" x 1.25" Plate	83.25 - 83.50	Auto	0.2431
L29	41	CCI 6" x 1" Plate	80.75 - 83.25	Auto	0.0000
L29	42	CCI 6" x 1" Plate	80.75 - 83.25	Auto	0.0000
L29	43	CCI 6" x 1" Plate	80.75 - 83.25	Auto	0.0000
L29	51	CCI 6.5" x 1.25" Plate	80.75 - 83.25	Auto	0.0000
L29	52	CCI 6.5" x 1.25" Plate	80.75 - 83.25	Auto	0.0000
L29	53	CCI 6.5" x 1.25" Plate	80.75 - 83.25	Auto	0.0000
L29	61	CCI 8.5" x 1.25" Plate	80.75 - 83.25	Auto	0.2272
L29	65	CCI 8.5" x 1.25" Plate	80.75 - 83.25	Auto	0.2272
L29	66	CCI 8.5" x 1.25" Plate	80.75 - 83.25	Auto	0.2272
L30	41	CCI 6" x 1" Plate	80.50 - 80.75	Auto	0.0000
L30	42	CCI 6" x 1" Plate	80.50 - 80.75	Auto	0.0000
L30	43	CCI 6" x 1" Plate	80.50 - 80.75	Auto	0.0000
L30	51	CCI 6.5" x 1.25" Plate	80.50 - 80.75	Auto	0.0511
L30	52	CCI 6.5" x 1.25" Plate	80.50 - 80.75	Auto	0.0511
L30	53	CCI 6.5" x 1.25" Plate	80.50 - 80.75	Auto	0.0511
L30	61	CCI 8.5" x 1.25" Plate	80.50 - 80.75	Auto	0.2744
L30	65	CCI 8.5" x 1.25" Plate	80.50 - 80.75	Auto	0.2744
L30	66	CCI 8.5" x 1.25" Plate	80.50 - 80.75	Auto	0.2744
L31	41	CCI 6" x 1" Plate	80.25 - 80.50	Auto	0.0000
L31	42	CCI 6" x 1" Plate	80.25 - 80.50	Auto	0.0000
L31	43	CCI 6" x 1" Plate	80.25 - 80.50	Auto	0.0000
L31	51	CCI 6.5" x 1.25" Plate	80.25 - 80.50	Auto	0.0131
L31	52	CCI 6.5" x 1.25" Plate	80.25 - 80.50	Auto	0.0131
L31	53	CCI 6.5" x 1.25" Plate	80.25 - 80.50	Auto	0.0131
L31	61	CCI 8.5" x 1.25" Plate	80.25 - 80.50	Auto	0.2453
L31	65	CCI 8.5" x 1.25" Plate	80.25 - 80.50	Auto	0.2453
L31	66	CCI 8.5" x 1.25" Plate	80.25 - 80.50	Auto	0.2453
L32	41	CCI 6" x 1" Plate	77.50 - 80.25	Auto	0.0000
L32	42	CCI 6" x 1" Plate	77.50 - 80.25	Auto	0.0000
L32	43	CCI 6" x 1" Plate	77.50 - 80.25	Auto	0.0000
L32	51	CCI 6.5" x 1.25" Plate	77.50 - 80.25	Auto	0.0012
L32	52	CCI 6.5" x 1.25" Plate	77.50 - 80.25	Auto	0.0012
L32	53	CCI 6.5" x 1.25" Plate	77.50 - 80.25	Auto	0.0012
L32	61	CCI 8.5" x 1.25" Plate	77.50 - 80.25	Auto	0.2327
L32	65	CCI 8.5" x 1.25" Plate	77.50 - 80.25	Auto	0.2327
L32	66	CCI 8.5" x 1.25" Plate	77.50 - 80.25	Auto	0.2327
L33	41	CCI 6" x 1" Plate	77.25 - 77.50	Auto	0.0000
L33	42	CCI 6" x 1" Plate	77.25 - 77.50	Auto	0.0000
L33	43	CCI 6" x 1" Plate	77.25 - 77.50	Auto	0.0000
L33	51	CCI 6.5" x 1.25" Plate	77.25 - 77.50	Auto	0.0000
L33	52	CCI 6.5" x 1.25" Plate	77.25 - 77.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L33	53	CCI 6.5" x 1.25" Plate	77.25 - 77.50	Auto	0.0000
L33	61	CCI 8.5" x 1.25" Plate	77.25 - 77.50	Auto	0.1372
L33	65	CCI 8.5" x 1.25" Plate	77.25 - 77.50	Auto	0.1372
L33	66	CCI 8.5" x 1.25" Plate	77.25 - 77.50	Auto	0.1372
L34	41	CCI 6" x 1" Plate	68.82 - 77.25	Auto	0.0000
L34	42	CCI 6" x 1" Plate	68.82 - 77.25	Auto	0.0000
L34	43	CCI 6" x 1" Plate	68.82 - 77.25	Auto	0.0000
L34	51	CCI 6.5" x 1.25" Plate	72.50 - 77.25	Auto	0.0000
L34	52	CCI 6.5" x 1.25" Plate	72.50 - 77.25	Auto	0.0000
L34	53	CCI 6.5" x 1.25" Plate	72.50 - 77.25	Auto	0.0000
L34	61	CCI 8.5" x 1.25" Plate	68.82 - 77.25	Auto	0.1120
L34	65	CCI 8.5" x 1.25" Plate	68.82 - 77.25	Auto	0.1120
L34	66	CCI 8.5" x 1.25" Plate	68.82 - 77.25	Auto	0.1120
L35	41	CCI 6" x 1" Plate	68.29 - 68.82	Auto	0.0000
L35	42	CCI 6" x 1" Plate	68.29 - 68.82	Auto	0.0000
L35	43	CCI 6" x 1" Plate	68.29 - 68.82	Auto	0.0000
L35	61	CCI 8.5" x 1.25" Plate	68.29 - 68.82	Auto	0.1253
L35	65	CCI 8.5" x 1.25" Plate	68.29 - 68.82	Auto	0.1253
L35	66	CCI 8.5" x 1.25" Plate	68.29 - 68.82	Auto	0.1253
L36	41	CCI 6" x 1" Plate	64.25 - 68.29	Auto	0.0000
L36	42	CCI 6" x 1" Plate	64.25 - 68.29	Auto	0.0000
L36	43	CCI 6" x 1" Plate	64.25 - 68.29	Auto	0.0000
L36	48	CCI 6.5" x 1.25" Plate	64.25 - 67.00	Auto	0.0000
L36	49	CCI 6.5" x 1.25" Plate	64.25 - 67.00	Auto	0.0000
L36	50	CCI 6.5" x 1.25" Plate	64.25 - 67.00	Auto	0.0000
L36	61	CCI 8.5" x 1.25" Plate	64.25 - 68.29	Auto	0.1081
L36	65	CCI 8.5" x 1.25" Plate	64.25 - 68.29	Auto	0.1081
L36	66	CCI 8.5" x 1.25" Plate	64.25 - 68.29	Auto	0.1081
L37	41	CCI 6" x 1" Plate	64.00 - 64.25	Auto	0.0000
L37	42	CCI 6" x 1" Plate	64.00 - 64.25	Auto	0.0000
L37	43	CCI 6" x 1" Plate	64.00 - 64.25	Auto	0.0000
L37	48	CCI 6.5" x 1.25" Plate	64.00 - 64.25	Auto	0.0000
L37	49	CCI 6.5" x 1.25" Plate	64.00 - 64.25	Auto	0.0000
L37	50	CCI 6.5" x 1.25" Plate	64.00 - 64.25	Auto	0.0000
L37	61	CCI 8.5" x 1.25" Plate	64.00 - 64.25	Auto	0.1389
L37	65	CCI 8.5" x 1.25" Plate	64.00 - 64.25	Auto	0.1389
L37	66	CCI 8.5" x 1.25" Plate	64.00 - 64.25	Auto	0.1389
L38	31	MP3-04	60.50 - 61.50	Auto	0.0000
L38	41	CCI 6" x 1" Plate	60.50 - 64.00	Auto	0.0000
L38	42	CCI 6" x 1" Plate	60.50 - 64.00	Auto	0.0000
L38	43	CCI 6" x 1" Plate	60.50 - 64.00	Auto	0.0000
L38	48	CCI 6.5" x 1.25" Plate	60.50 - 64.00	Auto	0.0000
L38	49	CCI 6.5" x 1.25" Plate	60.50 - 64.00	Auto	0.0000
L38	50	CCI 6.5" x 1.25" Plate	60.50 - 64.00	Auto	0.0000
L38	61	CCI 8.5" x 1.25" Plate	60.50 - 64.00	Auto	0.1241
L38	65	CCI 8.5" x 1.25" Plate	60.50 - 64.00	Auto	0.1241
L38	66	CCI 8.5" x 1.25" Plate	60.50 - 64.00	Auto	0.1241
L39	29	MP3-04	60.25 - 60.50	Auto	0.0000
L39	30	MP3-04	60.25 - 60.50	Auto	0.0000
L39	31	MP3-04	60.25 - 60.50	Auto	0.0000
L39	38	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	39	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	40	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	48	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	49	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	50	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	61	CCI 8.5" x 1.25" Plate	60.25 - 60.50	Auto	0.1329
L39	65	CCI 8.5" x 1.25" Plate	60.25 - 60.50	Auto	0.1329
L39	66	CCI 8.5" x 1.25" Plate	60.25 - 60.50	Auto	0.1329
L40	29	MP3-04	60.08 - 60.25	Auto	0.0000
L40	30	MP3-04	60.08 - 60.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L40	31	MP3-04	60.08 - 60.25	Auto	0.0000
L40	38	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000
L40	39	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000
L40	40	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000
L40	48	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000
L40	49	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000
L40	50	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000
L40	61	CCI 8.5" x 1.25" Plate	60.08 - 60.25	Auto	0.1316
L40	65	CCI 8.5" x 1.25" Plate	60.08 - 60.25	Auto	0.1316
L40	66	CCI 8.5" x 1.25" Plate	60.08 - 60.25	Auto	0.1316
L41	29	MP3-04	59.83 - 60.08	Auto	0.0000
L41	30	MP3-04	59.83 - 60.08	Auto	0.0000
L41	31	MP3-04	59.83 - 60.08	Auto	0.0000
L41	38	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	39	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	40	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	48	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	49	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	50	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	61	CCI 8.5" x 1.25" Plate	60.00 - 60.08	Auto	0.1467
L41	65	CCI 8.5" x 1.25" Plate	59.83 - 60.08	Auto	0.1462
L41	66	CCI 8.5" x 1.25" Plate	59.83 - 60.08	Auto	0.1462
L42	29	MP3-04	59.08 - 59.83	Auto	0.0000
L42	30	MP3-04	59.08 - 59.83	Auto	0.0000
L42	31	MP3-04	59.08 - 59.83	Auto	0.0000
L42	38	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	39	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	40	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	48	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	49	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	50	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	65	CCI 8.5" x 1.25" Plate	59.08 - 59.83	Auto	0.1433
L42	66	CCI 8.5" x 1.25" Plate	59.08 - 59.83	Auto	0.1433
L43	29	MP3-04	58.83 - 59.08	Auto	0.0000
L43	30	MP3-04	58.83 - 59.08	Auto	0.0000
L43	31	MP3-04	58.83 - 59.08	Auto	0.0000
L43	38	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000
L43	39	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000
L43	40	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000
L43	48	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000
L43	49	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000
L43	50	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000
L43	65	CCI 8.5" x 1.25" Plate	58.83 - 59.08	Auto	0.1640
L43	66	CCI 8.5" x 1.25" Plate	58.83 - 59.08	Auto	0.1640
L44	29	MP3-04	55.42 - 58.83	Auto	0.0000
L44	30	MP3-04	55.42 - 58.83	Auto	0.0000
L44	31	MP3-04	55.42 - 58.83	Auto	0.0000
L44	38	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	39	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	40	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	48	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	49	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	50	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	65	CCI 8.5" x 1.25" Plate	55.50 - 58.83	Auto	0.1457
L44	66	CCI 8.5" x 1.25" Plate	55.50 - 58.83	Auto	0.1457
L45	29	MP3-04	55.17 - 55.42	Auto	0.0000
L45	30	MP3-04	55.17 - 55.42	Auto	0.0000
L45	31	MP3-04	55.17 - 55.42	Auto	0.0000
L45	38	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000
L45	39	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000
L45	40	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L45	48	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000
L45	49	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000
L45	50	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000
L45	63	CCI 8.5" x 1.25" Plate	55.17 - 55.40	Auto	0.1347
L45	64	CCI 8.5" x 1.25" Plate	55.17 - 55.40	Auto	0.1347
L46	29	MP3-04	54.75 - 55.17	Auto	0.0000
L46	30	MP3-04	54.75 - 55.17	Auto	0.0000
L46	31	MP3-04	54.75 - 55.17	Auto	0.0000
L46	38	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000
L46	39	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000
L46	40	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000
L46	48	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000
L46	49	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000
L46	50	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000
L46	63	CCI 8.5" x 1.25" Plate	54.75 - 55.17	Auto	0.1329
L46	64	CCI 8.5" x 1.25" Plate	54.75 - 55.17	Auto	0.1329
L47	29	MP3-04	54.50 - 54.75	Auto	0.0000
L47	30	MP3-04	54.50 - 54.75	Auto	0.0000
L47	31	MP3-04	54.50 - 54.75	Auto	0.0000
L47	38	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	39	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	40	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	48	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	49	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	50	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	63	CCI 8.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0679
L47	64	CCI 8.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0679
L48	29	MP3-04	49.50 - 54.50	Auto	0.0000
L48	30	MP3-04	49.50 - 54.50	Auto	0.0000
L48	31	MP3-04	49.50 - 54.50	Auto	0.0000
L48	38	CCI 6.5" x 1.25" Plate	49.50 - 54.50	Auto	0.0000
L48	39	CCI 6.5" x 1.25" Plate	49.50 - 54.50	Auto	0.0000
L48	40	CCI 6.5" x 1.25" Plate	49.50 - 54.50	Auto	0.0000
L48	48	CCI 6.5" x 1.25" Plate	52.00 - 54.50	Auto	0.0000
L48	49	CCI 6.5" x 1.25" Plate	52.00 - 54.50	Auto	0.0000
L48	50	CCI 6.5" x 1.25" Plate	52.00 - 54.50	Auto	0.0000
L48	63	CCI 8.5" x 1.25" Plate	49.50 - 54.50	Auto	0.0486
L48	64	CCI 8.5" x 1.25" Plate	49.50 - 54.50	Auto	0.0486
L49	29	MP3-04	44.50 - 49.50	Auto	0.0000
L49	30	MP3-04	44.50 - 49.50	Auto	0.0000
L49	31	MP3-04	44.50 - 49.50	Auto	0.0000
L49	38	CCI 6.5" x 1.25" Plate	44.50 - 49.50	Auto	0.0000
L49	39	CCI 6.5" x 1.25" Plate	44.50 - 49.50	Auto	0.0000
L49	40	CCI 6.5" x 1.25" Plate	44.50 - 49.50	Auto	0.0000
L49	60	CCI 8.5" x 1.25" Plate	44.50 - 45.50	Auto	0.0040
L49	63	CCI 8.5" x 1.25" Plate	44.50 - 49.50	Auto	0.0156
L49	64	CCI 8.5" x 1.25" Plate	44.50 - 49.50	Auto	0.0156
L50	29	MP3-04	41.25 - 44.50	Auto	0.0000
L50	30	MP3-04	41.25 - 44.50	Auto	0.0000
L50	31	MP3-04	41.25 - 44.50	Auto	0.0000
L50	38	CCI 6.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L50	39	CCI 6.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L50	40	CCI 6.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L50	60	CCI 8.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L50	63	CCI 8.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L50	64	CCI 8.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L51	29	MP3-04	41.00 - 41.25	Auto	0.0000
L51	30	MP3-04	41.00 - 41.25	Auto	0.0000
L51	31	MP3-04	41.00 - 41.25	Auto	0.0000
L51	38	CCI 6.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0000
L51	39	CCI 6.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L51	40	CCI 6.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0000
L51	60	CCI 8.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0050
L51	63	CCI 8.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0050
L51	64	CCI 8.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0050
L52	29	MP3-04	34.29 - 41.00	Auto	0.0000
L52	30	MP3-04	34.29 - 41.00	Auto	0.0000
L52	31	MP3-04	34.29 - 41.00	Auto	0.0000
L52	38	CCI 6.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0000
L52	39	CCI 6.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0000
L52	40	CCI 6.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0000
L52	45	CCI 6.5" x 1.25" Plate	34.29 - 38.00	Auto	0.0000
L52	46	CCI 6.5" x 1.25" Plate	34.29 - 38.00	Auto	0.0000
L52	47	CCI 6.5" x 1.25" Plate	34.29 - 38.00	Auto	0.0000
L52	60	CCI 8.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0002
L52	63	CCI 8.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0002
L52	64	CCI 8.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0002
L53	29	MP3-04	33.29 - 34.29	Auto	0.0000
L53	30	MP3-04	33.29 - 34.29	Auto	0.0000
L53	31	MP3-04	33.29 - 34.29	Auto	0.0000
L53	38	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	39	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	40	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	45	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	46	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	47	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	60	CCI 8.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0808
L53	63	CCI 8.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0808
L53	64	CCI 8.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0808
L54	29	MP3-04	31.50 - 33.29	Auto	0.0000
L54	30	MP3-04	31.50 - 33.29	Auto	0.0000
L54	31	MP3-04	31.50 - 33.29	Auto	0.0000
L54	38	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	39	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	40	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	45	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	46	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	47	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	60	CCI 8.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0727
L54	63	CCI 8.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0727
L54	64	CCI 8.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0727
L55	26	MP3-05	31.25 - 31.50	Auto	0.0000
L55	29	MP3-04	31.25 - 31.50	Auto	0.0000
L55	30	MP3-04	31.25 - 31.50	Auto	0.0000
L55	31	MP3-04	31.25 - 31.50	Auto	0.0000
L55	38	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	39	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	40	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	45	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	46	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	47	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	60	CCI 8.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0668
L55	63	CCI 8.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0668
L55	64	CCI 8.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0668
L56	26	MP3-05	30.50 - 31.25	Auto	0.0000
L56	29	MP3-04	30.50 - 31.25	Auto	0.0000
L56	30	MP3-04	30.50 - 31.25	Auto	0.0000
L56	31	MP3-04	31.00 - 31.25	Auto	0.0000
L56	38	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000
L56	39	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000
L56	40	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000
L56	45	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L56	46	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000
L56	47	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000
L56	60	CCI 8.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0639
L56	63	CCI 8.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0639
L56	64	CCI 8.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0639
L57	26	MP3-05	30.25 - 30.50	Auto	0.0000
L57	27	MP3-05	30.25 - 30.50	Auto	0.0000
L57	28	MP3-05	30.25 - 30.50	Auto	0.0000
L57	35	CCI 6" x 1" Plate	30.25 - 30.50	Auto	0.0000
L57	36	CCI 6" x 1" Plate	30.25 - 30.50	Auto	0.0000
L57	37	CCI 6" x 1" Plate	30.25 - 30.50	Auto	0.0000
L57	45	CCI 6.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0000
L57	46	CCI 6.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0000
L57	47	CCI 6.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0000
L57	60	CCI 8.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0453
L57	63	CCI 8.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0453
L57	64	CCI 8.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0453
L58	26	MP3-05	25.75 - 30.25	Auto	0.0000
L58	27	MP3-05	25.75 - 30.25	Auto	0.0000
L58	28	MP3-05	25.75 - 30.25	Auto	0.0000
L58	35	CCI 6" x 1" Plate	25.75 - 30.25	Auto	0.0000
L58	36	CCI 6" x 1" Plate	25.75 - 30.25	Auto	0.0000
L58	37	CCI 6" x 1" Plate	25.75 - 30.25	Auto	0.0000
L58	45	CCI 6.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0000
L58	46	CCI 6.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0000
L58	47	CCI 6.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0000
L58	60	CCI 8.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0237
L58	63	CCI 8.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0237
L58	64	CCI 8.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0237
L58	76	CCI 1.25" x 5.875" Plate	25.75 - 28.50	Auto	0.0000
L58	77	CCI 1.25" x 5.875" Plate	25.75 - 28.50	Auto	0.0000
L58	78	CCI 1.25" x 5.875" Plate	25.75 - 28.50	Auto	0.0000
L59	26	MP3-05	25.50 - 25.75	Auto	0.0000
L59	27	MP3-05	25.50 - 25.75	Auto	0.0000
L59	28	MP3-05	25.50 - 25.75	Auto	0.0000
L59	35	CCI 6" x 1" Plate	25.50 - 25.75	Auto	0.0000
L59	36	CCI 6" x 1" Plate	25.50 - 25.75	Auto	0.0000
L59	37	CCI 6" x 1" Plate	25.50 - 25.75	Auto	0.0000
L59	45	CCI 6.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	46	CCI 6.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	47	CCI 6.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	60	CCI 8.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	63	CCI 8.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	64	CCI 8.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	76	CCI 1.25" x 5.875" Plate	25.50 - 25.75	Auto	0.0000
L59	77	CCI 1.25" x 5.875" Plate	25.50 - 25.75	Auto	0.0000
L59	78	CCI 1.25" x 5.875" Plate	25.50 - 25.75	Auto	0.0000
L60	26	MP3-05	24.67 - 25.50	Auto	0.0000
L60	27	MP3-05	24.67 - 25.50	Auto	0.0000
L60	28	MP3-05	24.67 - 25.50	Auto	0.0000
L60	35	CCI 6" x 1" Plate	24.67 - 25.50	Auto	0.0000
L60	36	CCI 6" x 1" Plate	24.67 - 25.50	Auto	0.0000
L60	37	CCI 6" x 1" Plate	24.67 - 25.50	Auto	0.0000
L60	45	CCI 6.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	46	CCI 6.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	47	CCI 6.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	60	CCI 8.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	63	CCI 8.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	64	CCI 8.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	71	CCI 1.25" x 5.875" Plate	24.67 - 25.50	Auto	0.0000
L60	72	CCI 1.25" x 5.875" Plate	24.67 - 25.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L60	73	CCI 1.25" x 5.875" Plate	24.67 - 25.50	Auto	0.0000
L60	74	CCI 1.25" x 5.875" Plate	24.67 - 25.50	Auto	0.0000
L61	26	MP3-05	24.42 - 24.67	Auto	0.0000
L61	27	MP3-05	24.42 - 24.67	Auto	0.0000
L61	28	MP3-05	24.42 - 24.67	Auto	0.0000
L61	35	CCI 6" x 1" Plate	24.42 - 24.67	Auto	0.0000
L61	36	CCI 6" x 1" Plate	24.42 - 24.67	Auto	0.0000
L61	37	CCI 6" x 1" Plate	24.42 - 24.67	Auto	0.0000
L61	45	CCI 6.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	46	CCI 6.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	47	CCI 6.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	60	CCI 8.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	63	CCI 8.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	64	CCI 8.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	71	CCI 1.25" x 5.875" Plate	24.42 - 24.67	Auto	0.0000
L61	72	CCI 1.25" x 5.875" Plate	24.42 - 24.67	Auto	0.0000
L61	73	CCI 1.25" x 5.875" Plate	24.42 - 24.67	Auto	0.0000
L61	74	CCI 1.25" x 5.875" Plate	24.42 - 24.67	Auto	0.0000
L62	26	MP3-05	24.00 - 24.42	Auto	0.0000
L62	27	MP3-05	24.00 - 24.42	Auto	0.0000
L62	28	MP3-05	24.00 - 24.42	Auto	0.0000
L62	35	CCI 6" x 1" Plate	24.00 - 24.42	Auto	0.0000
L62	36	CCI 6" x 1" Plate	24.00 - 24.42	Auto	0.0000
L62	37	CCI 6" x 1" Plate	24.00 - 24.42	Auto	0.0000
L62	45	CCI 6.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	46	CCI 6.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	47	CCI 6.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	60	CCI 8.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	63	CCI 8.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	64	CCI 8.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	71	CCI 1.25" x 5.875" Plate	24.00 - 24.42	Auto	0.0000
L62	72	CCI 1.25" x 5.875" Plate	24.00 - 24.42	Auto	0.0000
L62	73	CCI 1.25" x 5.875" Plate	24.00 - 24.42	Auto	0.0000
L62	74	CCI 1.25" x 5.875" Plate	24.00 - 24.42	Auto	0.0000
L63	26	MP3-05	23.75 - 24.00	Auto	0.0000
L63	27	MP3-05	23.75 - 24.00	Auto	0.0000
L63	28	MP3-05	23.75 - 24.00	Auto	0.0000
L63	35	CCI 6" x 1" Plate	23.75 - 24.00	Auto	0.0000
L63	36	CCI 6" x 1" Plate	23.75 - 24.00	Auto	0.0000
L63	37	CCI 6" x 1" Plate	23.75 - 24.00	Auto	0.0000
L63	45	CCI 6.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	46	CCI 6.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	47	CCI 6.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	60	CCI 8.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	63	CCI 8.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	64	CCI 8.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	71	CCI 1.25" x 5.875" Plate	23.75 - 24.00	Auto	0.0000
L63	72	CCI 1.25" x 5.875" Plate	23.75 - 24.00	Auto	0.0000
L63	73	CCI 1.25" x 5.875" Plate	23.75 - 24.00	Auto	0.0000
L63	74	CCI 1.25" x 5.875" Plate	23.75 - 24.00	Auto	0.0000
L64	26	MP3-05	18.75 - 23.75	Auto	0.0000
L64	27	MP3-05	18.75 - 23.75	Auto	0.0000
L64	28	MP3-05	18.75 - 23.75	Auto	0.0000
L64	35	CCI 6" x 1" Plate	18.75 - 23.75	Auto	0.0000
L64	36	CCI 6" x 1" Plate	18.75 - 23.75	Auto	0.0000
L64	37	CCI 6" x 1" Plate	18.75 - 23.75	Auto	0.0000
L64	45	CCI 6.5" x 1.25" Plate	23.00 - 23.75	Auto	0.0000
L64	46	CCI 6.5" x 1.25" Plate	23.00 - 23.75	Auto	0.0000
L64	47	CCI 6.5" x 1.25" Plate	23.00 - 23.75	Auto	0.0000
L64	60	CCI 8.5" x 1.25" Plate	18.75 - 23.75	Auto	0.0000
L64	63	CCI 8.5" x 1.25" Plate	20.40 - 23.75	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L64	64	CCI 8.5" x 1.25" Plate	20.40 - 23.75	Auto	0.0000
L64	71	CCI 1.25" x 5.875" Plate	18.75 - 23.75	Auto	0.0000
L64	72	CCI 1.25" x 5.875" Plate	18.75 - 23.75	Auto	0.0000
L64	73	CCI 1.25" x 5.875" Plate	18.75 - 23.75	Auto	0.0000
L64	74	CCI 1.25" x 5.875" Plate	18.75 - 23.75	Auto	0.0000
L65	26	MP3-05	14.08 - 18.75	Auto	0.0000
L65	27	MP3-05	14.08 - 18.75	Auto	0.0000
L65	28	MP3-05	14.08 - 18.75	Auto	0.0000
L65	32	MP3-04	14.08 - 15.50	Auto	0.0000
L65	33	MP3-04	14.08 - 15.50	Auto	0.0000
L65	35	CCI 6" x 1" Plate	14.08 - 18.75	Auto	0.0000
L65	36	CCI 6" x 1" Plate	14.08 - 18.75	Auto	0.0000
L65	37	CCI 6" x 1" Plate	14.08 - 18.75	Auto	0.0000
L65	60	CCI 8.5" x 1.25" Plate	14.08 - 18.75	Auto	0.0000
L65	71	CCI 1.25" x 5.875" Plate	14.08 - 18.75	Auto	0.0000
L65	72	CCI 1.25" x 5.875" Plate	14.08 - 18.75	Auto	0.0000
L65	73	CCI 1.25" x 5.875" Plate	14.08 - 18.75	Auto	0.0000
L65	74	CCI 1.25" x 5.875" Plate	14.08 - 18.75	Auto	0.0000
L66	26	MP3-05	13.82 - 14.08	Auto	0.0000
L66	27	MP3-05	13.82 - 14.08	Auto	0.0000
L66	28	MP3-05	13.82 - 14.08	Auto	0.0000
L66	32	MP3-04	13.82 - 14.08	Auto	0.0000
L66	33	MP3-04	13.82 - 14.08	Auto	0.0000
L66	35	CCI 6" x 1" Plate	13.82 - 14.08	Auto	0.0000
L66	36	CCI 6" x 1" Plate	13.82 - 14.08	Auto	0.0000
L66	37	CCI 6" x 1" Plate	13.82 - 14.08	Auto	0.0000
L66	60	CCI 8.5" x 1.25" Plate	13.82 - 14.08	Auto	0.0000
L66	71	CCI 1.25" x 5.875" Plate	13.82 - 14.08	Auto	0.0000
L66	72	CCI 1.25" x 5.875" Plate	13.82 - 14.08	Auto	0.0000
L66	73	CCI 1.25" x 5.875" Plate	13.82 - 14.08	Auto	0.0000
L66	74	CCI 1.25" x 5.875" Plate	13.82 - 14.08	Auto	0.0000
L67	26	MP3-05	13.67 - 13.82	Auto	0.0000
L67	27	MP3-05	13.67 - 13.82	Auto	0.0000
L67	28	MP3-05	13.67 - 13.82	Auto	0.0000
L67	32	MP3-04	13.67 - 13.82	Auto	0.0000
L67	33	MP3-04	13.67 - 13.82	Auto	0.0000
L67	35	CCI 6" x 1" Plate	13.67 - 13.82	Auto	0.0000
L67	36	CCI 6" x 1" Plate	13.67 - 13.82	Auto	0.0000
L67	37	CCI 6" x 1" Plate	13.67 - 13.82	Auto	0.0000
L67	60	CCI 8.5" x 1.25" Plate	13.67 - 13.82	Auto	0.0000
L67	71	CCI 1.25" x 5.875" Plate	13.67 - 13.82	Auto	0.0000
L67	72	CCI 1.25" x 5.875" Plate	13.67 - 13.82	Auto	0.0000
L67	73	CCI 1.25" x 5.875" Plate	13.67 - 13.82	Auto	0.0000
L67	74	CCI 1.25" x 5.875" Plate	13.67 - 13.82	Auto	0.0000
L68	26	MP3-05	11.50 - 13.67	Auto	0.0000
L68	27	MP3-05	10.50 - 13.67	Auto	0.0000
L68	28	MP3-05	10.50 - 13.67	Auto	0.0000
L68	32	MP3-04	10.50 - 13.67	Auto	0.0000
L68	33	MP3-04	10.50 - 13.67	Auto	0.0000
L68	35	CCI 6" x 1" Plate	10.50 - 13.67	Auto	0.0000
L68	36	CCI 6" x 1" Plate	10.50 - 13.67	Auto	0.0000
L68	37	CCI 6" x 1" Plate	10.50 - 13.67	Auto	0.0000
L68	60	CCI 8.5" x 1.25" Plate	10.50 - 13.67	Auto	0.0000
L68	71	CCI 1.25" x 5.875" Plate	10.50 - 13.67	Auto	0.0000
L68	72	CCI 1.25" x 5.875" Plate	10.50 - 13.67	Auto	0.0000
L68	73	CCI 1.25" x 5.875" Plate	10.50 - 13.67	Auto	0.0000
L68	74	CCI 1.25" x 5.875" Plate	10.50 - 13.67	Auto	0.0000
L69	27	MP3-05	10.25 - 10.50	Auto	0.0000
L69	28	MP3-05	10.25 - 10.50	Auto	0.0000
L69	32	MP3-04	10.25 - 10.50	Auto	0.0000
L69	33	MP3-04	10.25 - 10.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L69	35	CCI 6" x 1" Plate	10.25 - 10.50	Auto	0.0000
L69	36	CCI 6" x 1" Plate	10.25 - 10.50	Auto	0.0000
L69	37	CCI 6" x 1" Plate	10.25 - 10.50	Auto	0.0000
L69	59	CCI 6" x 1" Plate	10.25 - 10.50	Auto	0.0000
L69	71	CCI 1.25" x 5.875" Plate	10.25 - 10.50	Auto	0.0000
L69	72	CCI 1.25" x 5.875" Plate	10.25 - 10.50	Auto	0.0000
L69	73	CCI 1.25" x 5.875" Plate	10.25 - 10.50	Auto	0.0000
L69	74	CCI 1.25" x 5.875" Plate	10.25 - 10.50	Auto	0.0000
L70	27	MP3-05	5.25 - 10.25	Auto	0.0000
L70	28	MP3-05	5.25 - 10.25	Auto	0.0000
L70	32	MP3-04	5.25 - 10.25	Auto	0.0000
L70	33	MP3-04	5.25 - 10.25	Auto	0.0000
L70	35	CCI 6" x 1" Plate	5.25 - 10.25	Auto	0.0000
L70	36	CCI 6" x 1" Plate	5.25 - 10.25	Auto	0.0000
L70	37	CCI 6" x 1" Plate	5.25 - 10.25	Auto	0.0000
L70	59	CCI 6" x 1" Plate	5.25 - 10.25	Auto	0.0000
L70	71	CCI 1.25" x 5.875" Plate	5.25 - 10.25	Auto	0.0000
L70	72	CCI 1.25" x 5.875" Plate	5.25 - 10.25	Auto	0.0000
L70	73	CCI 1.25" x 5.875" Plate	5.25 - 10.25	Auto	0.0000
L70	74	CCI 1.25" x 5.875" Plate	5.25 - 10.25	Auto	0.0000
L71	27	MP3-05	2.90 - 5.25	Auto	0.0000
L71	28	MP3-05	2.90 - 5.25	Auto	0.0000
L71	32	MP3-04	2.90 - 5.25	Auto	0.0000
L71	33	MP3-04	2.90 - 5.25	Auto	0.0000
L71	35	CCI 6" x 1" Plate	2.90 - 5.25	Auto	0.0000
L71	36	CCI 6" x 1" Plate	2.90 - 5.25	Auto	0.0000
L71	37	CCI 6" x 1" Plate	2.90 - 5.25	Auto	0.0000
L71	59	CCI 6" x 1" Plate	2.90 - 5.25	Auto	0.0000
L71	71	CCI 1.25" x 5.875" Plate	2.90 - 5.25	Auto	0.0000
L71	72	CCI 1.25" x 5.875" Plate	2.90 - 5.25	Auto	0.0000
L71	73	CCI 1.25" x 5.875" Plate	2.90 - 5.25	Auto	0.0000
L71	74	CCI 1.25" x 5.875" Plate	2.90 - 5.25	Auto	0.0000
L72	27	MP3-05	2.65 - 2.90	Auto	0.0000
L72	28	MP3-05	2.65 - 2.90	Auto	0.0000
L72	32	MP3-04	2.65 - 2.90	Auto	0.0000
L72	33	MP3-04	2.65 - 2.90	Auto	0.0000
L72	35	CCI 6" x 1" Plate	2.65 - 2.90	Auto	0.0000
L72	36	CCI 6" x 1" Plate	2.65 - 2.90	Auto	0.0000
L72	37	CCI 6" x 1" Plate	2.65 - 2.90	Auto	0.0000
L72	59	CCI 6" x 1" Plate	2.65 - 2.90	Auto	0.0000
L72	71	CCI 1.25" x 5.875" Plate	2.65 - 2.90	Auto	0.0000
L72	72	CCI 1.25" x 5.875" Plate	2.65 - 2.90	Auto	0.0000
L72	73	CCI 1.25" x 5.875" Plate	2.65 - 2.90	Auto	0.0000
L72	74	CCI 1.25" x 5.875" Plate	2.65 - 2.90	Auto	0.0000
L73	27	MP3-05	2.50 - 2.65	Auto	0.0000
L73	28	MP3-05	2.50 - 2.65	Auto	0.0000
L73	32	MP3-04	2.50 - 2.65	Auto	0.0000
L73	33	MP3-04	2.50 - 2.65	Auto	0.0000
L73	35	CCI 6" x 1" Plate	2.50 - 2.65	Auto	0.0000
L73	36	CCI 6" x 1" Plate	2.50 - 2.65	Auto	0.0000
L73	37	CCI 6" x 1" Plate	2.50 - 2.65	Auto	0.0000
L73	59	CCI 6" x 1" Plate	2.50 - 2.65	Auto	0.0000
L73	71	CCI 1.25" x 5.875" Plate	2.50 - 2.65	Auto	0.0000
L73	72	CCI 1.25" x 5.875" Plate	2.50 - 2.65	Auto	0.0000
L73	73	CCI 1.25" x 5.875" Plate	2.50 - 2.65	Auto	0.0000
L73	74	CCI 1.25" x 5.875" Plate	2.50 - 2.65	Auto	0.0000
L74	27	MP3-05	2.25 - 2.50	Auto	0.0000
L74	28	MP3-05	2.25 - 2.50	Auto	0.0000
L74	32	MP3-04	2.25 - 2.50	Auto	0.0000
L74	33	MP3-04	2.25 - 2.50	Auto	0.0000
L74	35	CCI 6" x 1" Plate	2.25 - 2.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L74	36	CCI 6" x 1" Plate	2.25 - 2.50	Auto	0.0000
L74	37	CCI 6" x 1" Plate	2.25 - 2.50	Auto	0.0000
L74	59	CCI 6" x 1" Plate	2.25 - 2.50	Auto	0.0000
L74	71	CCI 1.25" x 5.875" Plate	2.25 - 2.50	Auto	0.0000
L74	72	CCI 1.25" x 5.875" Plate	2.25 - 2.50	Auto	0.0000
L74	73	CCI 1.25" x 5.875" Plate	2.25 - 2.50	Auto	0.0000
L74	74	CCI 1.25" x 5.875" Plate	2.25 - 2.50	Auto	0.0000
L75	27	MP3-05	1.92 - 2.25	Auto	0.0000
L75	28	MP3-05	1.92 - 2.25	Auto	0.0000
L75	32	MP3-04	1.92 - 2.25	Auto	0.0000
L75	33	MP3-04	1.92 - 2.25	Auto	0.0000
L75	35	CCI 6" x 1" Plate	1.92 - 2.25	Auto	0.0000
L75	36	CCI 6" x 1" Plate	1.92 - 2.25	Auto	0.0000
L75	37	CCI 6" x 1" Plate	1.92 - 2.25	Auto	0.0000
L75	59	CCI 6" x 1" Plate	1.92 - 2.25	Auto	0.0000
L75	71	CCI 1.25" x 5.875" Plate	1.92 - 2.25	Auto	0.0000
L75	72	CCI 1.25" x 5.875" Plate	1.92 - 2.25	Auto	0.0000
L75	73	CCI 1.25" x 5.875" Plate	1.92 - 2.25	Auto	0.0000
L75	74	CCI 1.25" x 5.875" Plate	1.92 - 2.25	Auto	0.0000
L76	27	MP3-05	1.67 - 1.92	Auto	0.0000
L76	28	MP3-05	1.67 - 1.92	Auto	0.0000
L76	32	MP3-04	1.67 - 1.92	Auto	0.0000
L76	33	MP3-04	1.67 - 1.92	Auto	0.0000
L76	35	CCI 6" x 1" Plate	1.67 - 1.92	Auto	0.0000
L76	36	CCI 6" x 1" Plate	1.67 - 1.92	Auto	0.0000
L76	37	CCI 6" x 1" Plate	1.67 - 1.92	Auto	0.0000
L76	59	CCI 6" x 1" Plate	1.67 - 1.92	Auto	0.0000
L76	71	CCI 1.25" x 5.875" Plate	1.67 - 1.92	Auto	0.0000
L76	72	CCI 1.25" x 5.875" Plate	1.67 - 1.92	Auto	0.0000
L76	73	CCI 1.25" x 5.875" Plate	1.67 - 1.92	Auto	0.0000
L76	74	CCI 1.25" x 5.875" Plate	1.67 - 1.92	Auto	0.0000
L77	27	MP3-05	0.00 - 1.67	Auto	0.0000
L77	28	MP3-05	0.00 - 1.67	Auto	0.0000
L77	32	MP3-04	0.00 - 1.67	Auto	0.0000
L77	33	MP3-04	0.00 - 1.67	Auto	0.0000
L77	35	CCI 6" x 1" Plate	0.00 - 1.67	Auto	0.0000
L77	36	CCI 6" x 1" Plate	0.00 - 1.67	Auto	0.0000
L77	37	CCI 6" x 1" Plate	0.00 - 1.67	Auto	0.0000
L77	59	CCI 6" x 1" Plate	0.00 - 1.67	Auto	0.0000
L77	71	CCI 1.25" x 5.875" Plate	0.00 - 1.67	Auto	0.0000
L77	72	CCI 1.25" x 5.875" Plate	0.00 - 1.67	Auto	0.0000
L77	73	CCI 1.25" x 5.875" Plate	0.00 - 1.67	Auto	0.0000
L77	74	CCI 1.25" x 5.875" Plate	0.00 - 1.67	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
*								

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RRUS-32 B30	A	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	3.314 3.558 3.809	2.424 2.638 2.860	0.077 0.105 0.136
RRUS-32 B30	B	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	3.314 3.558 3.809	2.424 2.638 2.860	0.077 0.105 0.136
RRUS-32 B30	C	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	3.314 3.558 3.809	2.424 2.638 2.860	0.077 0.105 0.136
RRUS 4478 B14	A	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	1.843 2.012 2.190	1.059 1.197 1.342	0.060 0.076 0.094
RRUS 4478 B14	B	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	1.843 2.012 2.190	1.059 1.197 1.342	0.060 0.076 0.094
RRUS 4478 B14	C	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	1.843 2.012 2.190	1.059 1.197 1.342	0.060 0.076 0.094
RRUS 32 B66	A	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	2.743 2.965 3.194	1.668 1.855 2.049	0.053 0.074 0.098
RRUS 32 B66	B	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	2.743 2.965 3.194	1.668 1.855 2.049	0.053 0.074 0.098
RRUS 32 B66	C	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	2.743 2.965 3.194	1.668 1.855 2.049	0.053 0.074 0.098
RRUS 32 B2	A	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	2.731 2.953 3.182	1.668 1.855 2.049	0.053 0.074 0.098
RRUS 32 B2	B	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	2.731 2.953 3.182	1.668 1.855 2.049	0.053 0.074 0.098
RRUS 32 B2	C	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	2.731 2.953 3.182	1.668 1.855 2.049	0.053 0.074 0.098
(2) DC6-48-60-18-8F	B	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	0.850 1.356 1.532	0.850 1.356 1.532	0.019 0.036 0.055
DMP65R-BU8D w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	15.886 16.815 17.760	7.889 8.735 9.597	0.139 0.252 0.380
DMP65R-BU8D w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	15.886 16.815 17.760	7.889 8.735 9.597	0.139 0.252 0.380
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	11.961 12.703 13.461	5.969 6.627 7.300	0.115 0.201 0.298
AIR 6419 B77G w/ Mount Pipe	A	From Leg	4.000 0.000 3.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	4.325 4.740 5.173	2.492 2.841 3.209	0.078 0.110 0.147
AIR 6419 B77G w/ Mount Pipe	B	From Leg	4.000 0.000 3.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	4.325 4.740 5.173	2.492 2.841 3.209	0.078 0.110 0.147
AIR 6419 B77G w/ Mount Pipe	C	From Leg	4.000 0.000 3.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	4.325 4.740 5.173	2.492 2.841 3.209	0.078 0.110 0.147

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
AIR 6449 B77D w/ Mount Pipe	A	From Leg	4.000 0.000 -1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	3.583 3.920 4.272	2.307 2.602 2.912	0.095 0.130 0.173
AIR 6449 B77D w/ Mount Pipe	B	From Leg	4.000 0.000 -1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	3.583 3.920 4.272	2.307 2.602 2.912	0.095 0.130 0.173
AIR 6449 B77D w/ Mount Pipe	C	From Leg	4.000 0.000 -1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	3.583 3.920 4.272	2.307 2.602 2.912	0.095 0.130 0.173
QD8616-7 w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	16.926 17.869 18.828	9.311 10.174 11.054	0.183 0.308 0.448
QD8616-7 w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	16.926 17.869 18.828	9.311 10.174 11.054	0.183 0.308 0.448
QD6616-7 w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	12.562 13.305 14.063	6.931 7.596 8.276	0.156 0.252 0.360
RRUS 4449 B5/B12	A	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	1.968 2.144 2.328	1.408 1.564 1.727	0.071 0.090 0.111
RRUS 4449 B5/B12	B	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	1.968 2.144 2.328	1.408 1.564 1.727	0.071 0.090 0.111
RRUS 4449 B5/B12	C	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	1.968 2.144 2.328	1.408 1.564 1.727	0.071 0.090 0.111
DC9-48-60-24-8C-EV_CCIV 2	B	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	1.145 1.792 2.002	1.145 1.792 2.002	0.019 0.039 0.062
8' x 2.375" Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	1.900 2.728 3.401	1.900 2.728 3.401	0.029 0.044 0.063
8' x 2.375" Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	1.900 2.728 3.401	1.900 2.728 3.401	0.029 0.044 0.063
8' x 2.375" Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	156.000	No Ice 1/2" Ice 1" Ice	1.900 2.728 3.401	1.900 2.728 3.401	0.029 0.044 0.063
Sector Mount [SM 503-3]	C	None		0.000	156.000	No Ice 1/2" Ice 1" Ice	30.430 43.020 55.430	30.430 43.020 55.430	1.690 2.296 3.097
Pipe Mount [PM 602-3]	C	None		0.000	156.000	No Ice 1/2" Ice 1" Ice	6.670 7.700 8.740	6.670 7.700 8.740	0.279 0.344 0.423
* *									
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	146.000	No Ice 1/2" Ice 1" Ice	6.290 6.860 7.450	2.760 3.270 3.790	0.061 0.105 0.157
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	146.000	No Ice 1/2" Ice 1" Ice	6.290 6.860 7.450	2.760 3.270 3.790	0.061 0.105 0.157
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	146.000	No Ice 1/2" Ice 1" Ice	6.290 6.860 7.450	2.760 3.270 3.790	0.061 0.105 0.157
APXVAALL24_43-U-NA20	A	From Leg	4.000	0.000	146.000	No Ice	14.694	6.873	0.183

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
_TMO w/ Mount Pipe			0.000			1/2" Ice	15.455	7.554	0.311
			1.000			1" Ice	16.230	8.247	0.453
APXVAALL24_43-U-NA20	B	From Leg	4.000	0.000	146.000	No Ice	14.694	6.873	0.183
_TMO w/ Mount Pipe			0.000			1/2" Ice	15.455	7.554	0.311
			1.000			1" Ice	16.230	8.247	0.453
APXVAALL24_43-U-NA20	C	From Leg	4.000	0.000	146.000	No Ice	14.694	6.873	0.183
_TMO w/ Mount Pipe			0.000			1/2" Ice	15.455	7.554	0.311
			1.000			1" Ice	16.230	8.247	0.453
AIR6449 B41_T-MOBILE	A	From Leg	4.000	0.000	146.000	No Ice	5.187	2.705	0.128
w/ Mount Pipe			0.000			1/2" Ice	5.594	3.038	0.174
			1.000			1" Ice	6.016	3.385	0.227
AIR6449 B41_T-MOBILE	B	From Leg	4.000	0.000	146.000	No Ice	5.187	2.705	0.128
w/ Mount Pipe			0.000			1/2" Ice	5.594	3.038	0.174
			1.000			1" Ice	6.016	3.385	0.227
AIR6449 B41_T-MOBILE	C	From Leg	4.000	0.000	146.000	No Ice	5.187	2.705	0.128
w/ Mount Pipe			0.000			1/2" Ice	5.594	3.038	0.174
			1.000			1" Ice	6.016	3.385	0.227
RADIO 4415 B25/B66_TMO	A	From Leg	4.000	0.000	146.000	No Ice	1.856	0.733	0.044
			0.000			1/2" Ice	2.027	0.853	0.058
			0.000			1" Ice	2.204	0.979	0.073
RADIO 4415 B25/B66_TMO	B	From Leg	4.000	0.000	146.000	No Ice	1.856	0.733	0.044
			0.000			1/2" Ice	2.027	0.853	0.058
			0.000			1" Ice	2.204	0.979	0.073
RADIO 4415 B25/B66_TMO	C	From Leg	4.000	0.000	146.000	No Ice	1.856	0.733	0.044
			0.000			1/2" Ice	2.027	0.853	0.058
			0.000			1" Ice	2.204	0.979	0.073
RADIO 4449 B71	A	From Leg	4.000	0.000	146.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			0.000			1" Ice	2.331	1.918	0.116
RADIO 4449 B71	B	From Leg	4.000	0.000	146.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			0.000			1" Ice	2.331	1.918	0.116
RADIO 4449 B71	C	From Leg	4.000	0.000	146.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			0.000			1" Ice	2.331	1.918	0.116
RADIO 4424 B25_TMO	A	From Leg	4.000	0.000	146.000	No Ice	2.052	1.610	0.086
			0.000			1/2" Ice	2.231	1.772	0.107
			2.000			1" Ice	2.417	1.941	0.131
RADIO 4424 B25_TMO	B	From Leg	4.000	0.000	146.000	No Ice	2.052	1.610	0.086
			0.000			1/2" Ice	2.231	1.772	0.107
			2.000			1" Ice	2.417	1.941	0.131
RADIO 4424 B25_TMO	C	From Leg	4.000	0.000	146.000	No Ice	2.052	1.610	0.086
			0.000			1/2" Ice	2.231	1.772	0.107
			2.000			1" Ice	2.417	1.941	0.131
5' x 2" Pipe Mount	A	From Leg	4.000	0.000	146.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
5' x 2" Pipe Mount	B	From Leg	4.000	0.000	146.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
5' x 2" Pipe Mount	C	From Leg	4.000	0.000	146.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
Platform Mount [LP	C	None		0.000	146.000	No Ice	26.390	26.390	2.356
1201-1_HR-1]						1/2" Ice	31.400	31.400	3.061
						1" Ice	36.200	36.200	3.864
*									

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APXV18-206517S-C	A	From Leg	1.000	0.000	139.000	No Ice	3.830	1.810	0.026
			0.000			1/2" Ice	4.460	2.410	0.054
			0.000			1" Ice	5.110	3.030	0.087
APXV18-206517S-C	B	From Leg	1.000	0.000	139.000	No Ice	3.830	1.810	0.026
			0.000			1/2" Ice	4.460	2.410	0.054
			0.000			1" Ice	5.110	3.030	0.087
APXV18-206517S-C	C	From Leg	1.000	0.000	139.000	No Ice	3.830	1.810	0.026
			0.000			1/2" Ice	4.460	2.410	0.054
			0.000			1" Ice	5.110	3.030	0.087
Pipe Mount [PM 601-3]	C	None		0.000	139.000	No Ice	3.170	3.170	0.195
						1/2" Ice	3.790	3.790	0.232
						1" Ice	4.420	4.420	0.279
*									
BXA-80080-6CF-EDIN-X w/ Mount Pipe	A	From Leg	4.000	0.000	132.000	No Ice	5.220	5.320	0.043
			0.000			1/2" Ice	5.910	6.020	0.092
			2.000			1" Ice	6.620	6.730	0.151
BXA-80080-6CF-EDIN-X w/ Mount Pipe	B	From Leg	4.000	0.000	132.000	No Ice	5.220	5.320	0.043
			0.000			1/2" Ice	5.910	6.020	0.092
			2.000			1" Ice	6.620	6.730	0.151
BXA-80080-6CF-EDIN-X w/ Mount Pipe	C	From Leg	4.000	0.000	132.000	No Ice	5.220	5.320	0.043
			0.000			1/2" Ice	5.910	6.020	0.092
			2.000			1" Ice	6.620	6.730	0.151
DB-T1-6Z-8AB-0Z	B	From Leg	4.000	0.000	132.000	No Ice	4.800	2.000	0.044
			0.000			1/2" Ice	5.070	2.193	0.080
			1.000			1" Ice	5.348	2.393	0.120
DB-T1-6Z-8AB-0Z	C	From Leg	4.000	0.000	132.000	No Ice	4.800	2.000	0.044
			0.000			1/2" Ice	5.070	2.193	0.080
			1.000			1" Ice	5.348	2.393	0.120
NHH-65B-R2B w/ Mount Pipe	A	From Leg	4.000	0.000	132.000	No Ice	4.095	3.295	0.069
			0.000			1/2" Ice	4.483	3.672	0.132
			1.000			1" Ice	4.880	4.058	0.205
NHH-65B-R2B w/ Mount Pipe	B	From Leg	4.000	0.000	132.000	No Ice	4.095	3.295	0.069
			0.000			1/2" Ice	4.483	3.672	0.132
			1.000			1" Ice	4.880	4.058	0.205
NHH-65B-R2B w/ Mount Pipe	C	From Leg	4.000	0.000	132.000	No Ice	4.095	3.295	0.069
			0.000			1/2" Ice	4.483	3.672	0.132
			1.000			1" Ice	4.880	4.058	0.205
NHHSS-65B-R2B	A	From Leg	4.000	0.000	132.000	No Ice	3.969	2.381	0.066
			0.000			1/2" Ice	4.358	2.748	0.116
			1.000			1" Ice	4.756	3.124	0.172
NHHSS-65B-R2B	B	From Leg	4.000	0.000	132.000	No Ice	3.969	2.381	0.066
			0.000			1/2" Ice	4.358	2.748	0.116
			1.000			1" Ice	4.756	3.124	0.172
NHHSS-65B-R2B	C	From Leg	4.000	0.000	132.000	No Ice	3.969	2.381	0.066
			0.000			1/2" Ice	4.358	2.748	0.116
			1.000			1" Ice	4.756	3.124	0.172
MT6407-77A w/ Mount Pipe	A	From Leg	4.000	0.000	132.000	No Ice	5.940	3.100	0.096
			0.000			1/2" Ice	6.470	3.550	0.132
			1.000			1" Ice	7.020	4.020	0.175
MT6407-77A w/ Mount Pipe	B	From Leg	4.000	0.000	132.000	No Ice	5.940	3.100	0.096
			0.000			1/2" Ice	6.470	3.550	0.132
			1.000			1" Ice	7.020	4.020	0.175
MT6407-77A w/ Mount Pipe	C	From Leg	4.000	0.000	132.000	No Ice	5.940	3.100	0.096
			0.000			1/2" Ice	6.470	3.550	0.132
			1.000			1" Ice	7.020	4.020	0.175
(2) RFV01U-D1A	A	From Leg	4.000	0.000	132.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			1.000			1" Ice	2.223	1.543	0.124
RFV01U-D1A	B	From Leg	4.000	0.000	132.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103
			1.000			1" Ice	2.223	1.543	0.124
RFV01U-D2A	B	From Leg	4.000	0.000	132.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			1.000			1" Ice	2.223	1.284	0.106
(2) RFV01U-D2A	C	From Leg	4.000	0.000	132.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			1.000			1" Ice	2.223	1.284	0.106
BSF0020F3V1	B	From Leg	4.000	0.000	132.000	No Ice	0.963	0.287	0.018
			0.000			1/2" Ice	1.086	0.364	0.024
			1.000			1" Ice	1.217	0.449	0.033
BSF0020F3V1	C	From Leg	4.000	0.000	132.000	No Ice	0.963	0.287	0.018
			0.000			1/2" Ice	1.086	0.364	0.024
			1.000			1" Ice	1.217	0.449	0.033
6' x 2" Mount Pipe	A	From Leg	4.000	0.000	132.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
6' x 2" Mount Pipe	B	From Leg	4.000	0.000	132.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
6' x 2" Mount Pipe	C	From Leg	4.000	0.000	132.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
7'x2 1/2" Pipe Mount	A	From Leg	4.000	0.000	132.000	No Ice	2.013	2.013	0.041
			0.000			1/2" Ice	2.589	2.589	0.055
			0.000			1" Ice	3.018	3.018	0.075
7'x2 1/2" Pipe Mount	B	From Leg	4.000	0.000	132.000	No Ice	2.013	2.013	0.041
			0.000			1/2" Ice	2.589	2.589	0.055
			0.000			1" Ice	3.018	3.018	0.075
7'x2 1/2" Pipe Mount	C	From Leg	4.000	0.000	132.000	No Ice	2.013	2.013	0.041
			0.000			1/2" Ice	2.589	2.589	0.055
			0.000			1" Ice	3.018	3.018	0.075
6' x 2" Horizontal Mount Pipe	A	From Leg	3.000	0.000	132.000	No Ice	1.140	0.010	0.016
			0.000			1/2" Ice	1.760	0.040	0.025
			-1.000			1" Ice	2.140	0.090	0.038
6' x 2" Horizontal Mount Pipe	B	From Leg	3.000	0.000	132.000	No Ice	1.140	0.010	0.016
			0.000			1/2" Ice	1.760	0.040	0.025
			-1.000			1" Ice	2.140	0.090	0.038
6' x 2" Horizontal Mount Pipe	C	From Leg	3.000	0.000	132.000	No Ice	1.140	0.010	0.016
			0.000			1/2" Ice	1.760	0.040	0.025
			-1.000			1" Ice	2.140	0.090	0.038
Platform Mount [LP 1201-1_HR-1]	C	None		0.000	132.000	No Ice	26.390	26.390	2.356
						1/2" Ice	31.400	31.400	3.061
						1" Ice	36.200	36.200	3.864
*									
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.000	0.000	114.000	No Ice	8.009	4.233	0.108
			0.000			1/2" Ice	8.518	4.689	0.194
			0.000			1" Ice	9.038	5.156	0.292
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.000	0.000	114.000	No Ice	8.009	4.233	0.108
			0.000			1/2" Ice	8.518	4.689	0.194
			0.000			1" Ice	9.038	5.156	0.292
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.000	0.000	114.000	No Ice	8.009	4.233	0.108
			0.000			1/2" Ice	8.518	4.689	0.194
			0.000			1" Ice	9.038	5.156	0.292
TA08025-B604	A	From Leg	4.000	0.000	114.000	No Ice	1.964	0.981	0.064

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1/2" Ice	2.138	1.112	0.081
			2.000			1" Ice	2.320	1.250	0.100
TA08025-B604	B	From Leg	4.000	0.000	114.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			2.000			1" Ice	2.320	1.250	0.100
TA08025-B604	C	From Leg	4.000	0.000	114.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			2.000			1" Ice	2.320	1.250	0.100
TA08025-B605	A	From Leg	4.000	0.000	114.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			2.000			1" Ice	2.320	1.411	0.114
TA08025-B605	B	From Leg	4.000	0.000	114.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			2.000			1" Ice	2.320	1.411	0.114
TA08025-B605	C	From Leg	4.000	0.000	114.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			2.000			1" Ice	2.320	1.411	0.114
RDIDC-9181-PF-48	A	From Leg	4.000	0.000	114.000	No Ice	2.012	1.168	0.022
			0.000			1/2" Ice	2.189	1.311	0.040
			0.000			1" Ice	2.373	1.461	0.060
(2) 8' x 2" Mount Pipe	A	From Leg	4.000	0.000	114.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
(2) 8' x 2" Mount Pipe	B	From Leg	4.000	0.000	114.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
(2) 8' x 2" Mount Pipe	C	From Leg	4.000	0.000	114.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
Sabre C10801018-32788	C	None		0.000	114.000	No Ice	26.800	26.800	1.509
						1/2" Ice	32.200	32.200	1.811
						1" Ice	37.600	37.600	2.113
*									
*									

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

Comb. No.	Description
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	160.333 - 155.333	Pole	Max Tension	8	0.000	0.000	0.000
			Max. Compression	26	-10.155	-1.489	0.009
			Max. Mx	8	-5.087	-10.973	-0.132
			Max. My	14	-5.057	-0.538	-10.589
			Max. Vy	8	7.402	-10.973	-0.132
			Max. Vx	2	-7.495	-0.314	10.568
			Max. Torque	3			-1.134
L2	155.333 - 150.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-10.943	-1.720	0.138
			Max. Mx	8	-5.571	-48.724	-0.425
			Max. My	2	-5.541	-0.066	48.671
			Max. Vy	8	7.667	-48.724	-0.425
			Max. Vx	2	-7.728	-0.066	48.671

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	3			-1.134
L3	150.333 - 146.833	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-11.494	-1.880	0.228
			Max. Mx	8	-5.917	-75.921	-0.631
			Max. My	2	-5.889	0.110	76.018
			Max. Vy	8	7.845	-75.921	-0.631
			Max. Vx	2	-7.884	0.110	76.018
			Max. Torque	13			1.166
L4	146.833 - 146.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-11.591	-1.910	0.245
			Max. Mx	8	-5.982	-79.861	-0.659
			Max. My	2	-5.954	0.131	79.973
			Max. Vy	8	7.876	-79.861	-0.659
			Max. Vx	2	-7.913	0.131	79.973
			Max. Torque	13			1.166
L5	146.333 - 141.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-20.710	-2.289	0.460
			Max. Mx	8	-11.052	-144.411	-0.922
			Max. My	2	-11.009	0.322	144.692
			Max. Vy	8	12.905	-144.411	-0.922
			Max. Vx	2	-12.946	0.322	144.692
			Max. Torque	13			1.318
L6	141.333 - 136.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-22.225	-2.685	0.687
			Max. Mx	8	-11.898	-211.530	-1.181
			Max. My	2	-11.852	0.506	211.943
			Max. Vy	8	13.859	-211.530	-1.181
			Max. Vx	2	-13.895	0.506	211.943
			Max. Torque	13			1.477
L7	136.333 - 131.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-31.375	-3.160	0.269
			Max. Mx	8	-16.955	-288.289	-1.642
			Max. My	2	-16.904	0.623	288.291
			Max. Vy	8	18.938	-288.289	-1.642
			Max. Vx	2	-18.847	0.623	288.291
			Max. Torque	13			1.602
L8	131.333 - 126.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-32.582	-3.420	0.607
			Max. Mx	8	-17.773	-384.138	-1.822
			Max. My	2	-17.711	0.882	384.061
			Max. Vy	8	19.395	-384.138	-1.822
			Max. Vx	2	-19.419	0.882	384.061
			Max. Torque	25			-1.607
L9	126.333 - 121.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-33.836	-3.682	0.952
			Max. Mx	8	-18.627	-482.243	-1.996
			Max. My	2	-18.555	1.140	482.671
			Max. Vy	8	19.843	-482.243	-1.996
			Max. Vx	2	-19.986	1.140	482.671
			Max. Torque	25			-1.708
L10	121.333 - 120.083	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-34.171	-3.747	1.039
			Max. Mx	8	-18.843	-507.117	-2.038

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	2	-18.765	1.205	507.791
			Max. Vy	8	19.956	-507.117	-2.038
			Max. Vx	2	-20.171	1.205	507.791
			Max. Torque	25			-1.726
L11	120.083 - 119.833	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-34.257	-3.760	1.057
			Max. Mx	8	-18.917	-512.109	-2.047
			Max. My	2	-18.838	1.217	512.843
			Max. Vy	8	19.971	-512.109	-2.047
			Max. Vx	2	-20.201	1.217	512.843
			Max. Torque	25			-1.729
L12	119.833 - 117.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.064	-3.878	1.212
			Max. Mx	8	-19.466	-559.004	-2.124
			Max. My	2	-19.377	1.338	560.477
			Max. Vy	8	20.217	-559.004	-2.124
			Max. Vx	2	-20.583	1.338	560.477
			Max. Torque	25			-1.753
L13	117.5 - 117.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.156	-3.891	1.229
			Max. Mx	8	-19.537	-564.063	-2.133
			Max. My	2	-19.447	1.350	565.634
			Max. Vy	8	20.239	-564.063	-2.133
			Max. Vx	2	-20.620	1.350	565.634
			Max. Torque	25			-1.755
L14	117.25 - 115.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.817	-3.982	1.353
			Max. Mx	8	-19.978	-599.657	-2.190
			Max. My	2	-19.880	1.441	602.027
			Max. Vy	8	20.431	-599.657	-2.190
			Max. Vx	2	-20.924	1.441	602.027
			Max. Torque	25			-1.774
L15	115.5 - 115.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.921	-3.996	1.371
			Max. Mx	8	-20.063	-604.769	-2.198
			Max. My	2	-19.963	1.453	607.269
			Max. Vy	8	20.450	-604.769	-2.198
			Max. Vx	2	-20.960	1.453	607.269
			Max. Torque	25			-1.776
L16	115.25 - 110.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-42.511	-4.268	2.064
			Max. Mx	8	-24.298	-719.649	-2.238
			Max. My	2	-24.165	1.710	725.901
			Max. Vy	8	23.816	-719.649	-2.238
			Max. Vx	2	-24.695	1.710	725.901
			Max. Torque	25			-1.940
L17	110.25 - 104.083	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-43.541	-4.404	2.249
			Max. Mx	8	-25.032	-777.853	-2.314
			Max. My	2	-24.889	1.834	786.484
			Max. Vy	8	24.078	-777.853	-2.314
			Max. Vx	2	-25.117	1.834	786.484
			Max. Torque	25			-1.968
L18	104.083 - 102.82	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-46.755	-4.685	2.632
			Max. Mx	8	-27.480	-899.880	-2.470

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	2	-27.317	2.089	914.652
			Max. Vy	10	24.817	-869.965	-502.393
			Max. Vx	2	-26.080	2.089	914.652
			Max. Torque	25			-2.026
L19	102.82 - 100.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.799	-4.816	2.812
			Max. Mx	8	-28.250	-957.484	-2.541
			Max. My	2	-28.079	2.207	975.675
			Max. Vy	10	25.187	-927.975	-535.823
			Max. Vx	2	-26.480	2.207	975.675
			Max. Torque	25			-2.053
L20	100.5 - 100.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.913	-4.831	2.834
			Max. Mx	8	-28.339	-963.726	-2.549
			Max. My	2	-28.168	2.219	982.306
			Max. Vy	10	25.219	-934.277	-539.456
			Max. Vx	2	-26.517	2.219	982.306
			Max. Torque	25			-2.056
L21	100.25 - 98.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.708	-4.932	2.989
			Max. Mx	8	-28.895	-1007.598	-2.602
			Max. My	2	-28.718	2.309	1029.023
			Max. Vy	10	25.507	-978.668	-565.037
			Max. Vx	2	-26.828	2.309	1029.023
			Max. Torque	23			-2.083
L22	98.5 - 98.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.825	-4.947	3.012
			Max. Mx	8	-28.994	-1013.892	-2.610
			Max. My	2	-28.817	2.321	1035.740
			Max. Vy	10	25.531	-985.048	-568.715
			Max. Vx	2	-26.858	2.321	1035.740
			Max. Torque	23			-2.088
L23	98.25 - 93.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.106	-5.239	3.461
			Max. Mx	8	-30.687	-1141.137	-2.757
			Max. My	2	-30.508	2.573	1171.848
			Max. Vy	10	26.304	-1114.665	-643.411
			Max. Vx	2	-27.533	2.573	1171.848
			Max. Torque	23			-2.199
L24	93.25 - 90.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.364	-5.400	3.706
			Max. Mx	8	-31.632	-1212.235	-2.836
			Max. My	2	-31.452	2.710	1248.126
			Max. Vy	10	26.727	-1187.584	-685.433
			Max. Vx	2	-27.898	2.710	1248.126
			Max. Torque	23			-2.261
L25	90.5 - 90.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.489	-5.414	3.729
			Max. Mx	8	-31.739	-1218.738	-2.843
			Max. My	2	-31.561	2.722	1255.110
			Max. Vy	10	26.753	-1194.271	-689.287
			Max. Vx	2	-27.921	2.722	1255.110
			Max. Torque	23			-2.266
L26	90.25 - 85.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-55.003	-5.702	4.197
			Max. Mx	8	-33.654	-1350.179	-2.981
			Max. My	2	-33.476	2.970	1396.562
			Max. Vy	10	27.539	-1330.032	-767.521
			Max. Vx	2	-28.606	2.970	1396.562
			Max. Torque	23			-2.372
L27	85.25 - 83.5	Pole	Max Tension	1	0.000	0.000	0.000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	26	-55.937	-5.803	4.345
			Max. Mx	8	-34.328	-1396.822	-3.028
			Max. My	2	-34.147	3.056	1446.933
			Max. Vy	10	27.827	-1378.474	-795.435
			Max. Vx	2	-28.920	3.056	1446.933
			Max. Torque	23			-2.393
L28	83.5 - 83.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-56.090	-5.818	4.366
			Max. Mx	8	-34.458	-1403.514	-3.035
			Max. My	2	-34.278	3.068	1454.173
			Max. Vy	10	27.850	-1385.434	-799.447
			Max. Vx	2	-28.950	3.068	1454.173
			Max. Torque	23			-2.396
L29	83.25 - 80.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.614	-5.961	4.575
			Max. Mx	8	-35.599	-1470.849	-3.101
			Max. My	2	-35.415	3.191	1527.197
			Max. Vy	10	28.280	-1455.616	-839.887
			Max. Vx	2	-29.413	3.191	1527.197
			Max. Torque	23			-2.424
L30	80.75 - 80.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.777	-5.976	4.596
			Max. Mx	8	-35.733	-1477.625	-3.107
			Max. My	2	-35.549	3.202	1534.563
			Max. Vy	10	28.314	-1462.692	-843.965
			Max. Vx	2	-29.453	3.202	1534.563
			Max. Torque	23			-2.427
L31	80.5 - 80.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.939	-5.990	4.618
			Max. Mx	8	-35.857	-1484.408	-3.114
			Max. My	2	-35.673	3.215	1541.941
			Max. Vy	10	28.356	-1469.779	-848.049
			Max. Vx	2	-29.500	3.215	1541.941
			Max. Torque	23			-2.429
L32	80.25 - 77.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-59.717	-6.149	4.850
			Max. Mx	8	-37.211	-1559.529	-3.185
			Max. My	2	-37.023	3.349	1623.854
			Max. Vy	10	28.835	-1548.438	-893.373
			Max. Vx	2	-30.017	3.349	1623.854
			Max. Torque	23			-2.461
L33	77.5 - 77.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-59.861	-6.163	4.872
			Max. Mx	8	-37.327	-1566.405	-3.191
			Max. My	2	-37.139	3.361	1631.370
			Max. Vy	10	28.865	-1555.652	-897.531
			Max. Vx	2	-30.053	3.361	1631.370
			Max. Torque	23			-2.463
L34	77.25 - 68.82	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-62.103	-6.387	5.214
			Max. Mx	8	-39.022	-1676.154	-3.288
			Max. My	2	-38.837	3.553	1751.535
			Max. Vy	10	29.503	-1671.210	-964.115
			Max. Vx	2	-30.598	3.553	1751.535
			Max. Torque	23			-2.511
L35	68.82 - 68.291	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-66.823	-6.668	5.647
			Max. Mx	10	-42.360	-1821.060	-1050.463
			Max. My	2	-42.666	3.793	1906.702
			Max. Vy	10	30.416	-1821.060	-1050.463
			Max. Vx	2	-31.398	3.793	1906.702

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	23			-2.574
L36	68.291 - 64.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-69.251	-6.900	6.000
			Max. Mx	10	-44.251	-1945.254	-1122.028
			Max. My	2	-44.547	3.988	2034.776
			Max. Vy	10	31.043	-1945.254	-1122.028
			Max. Vx	2	-31.934	3.988	2034.776
			Max. Torque	23			-2.623
L37	64.25 - 64	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-69.412	-6.915	6.022
			Max. Mx	10	-44.388	-1953.020	-1126.504
			Max. My	2	-44.681	3.999	2042.771
			Max. Vy	10	31.070	-1953.020	-1126.504
			Max. Vx	2	-31.968	3.999	2042.771
			Max. Torque	23			-2.625
L38	64 - 60.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-71.661	-7.114	6.322
			Max. Mx	10	-46.129	-2062.769	-1189.744
			Max. My	2	-46.415	4.166	2155.603
			Max. Vy	10	31.631	-2062.769	-1189.744
			Max. Vx	2	-32.450	4.166	2155.603
			Max. Torque	23			-2.663
L39	60.5 - 60.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-71.833	-7.129	6.344
			Max. Mx	10	-46.273	-2070.682	-1194.304
			Max. My	2	-46.556	4.178	2163.727
			Max. Vy	10	31.657	-2070.682	-1194.304
			Max. Vx	2	-32.475	4.178	2163.727
			Max. Torque	23			-2.666
L40	60.25 - 60.083	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-71.948	-7.139	6.359
			Max. Mx	10	-46.363	-2075.973	-1197.353
			Max. My	2	-46.645	4.185	2169.158
			Max. Vy	10	31.683	-2075.973	-1197.353
			Max. Vx	2	-32.501	4.185	2169.158
			Max. Torque	23			-2.667
L41	60.083 - 59.833	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-72.123	-7.155	6.383
			Max. Mx	10	-46.498	-2083.902	-1201.922
			Max. My	2	-46.780	4.197	2177.295
			Max. Vy	10	31.723	-2083.902	-1201.922
			Max. Vx	2	-32.532	4.197	2177.295
			Max. Torque	23			-2.671
L42	59.833 - 59.083	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-72.647	-7.204	6.460
			Max. Mx	10	-46.902	-2107.748	-1215.662
			Max. My	2	-47.183	4.233	2201.759
			Max. Vy	10	31.845	-2107.748	-1215.662
			Max. Vx	2	-32.639	4.233	2201.759
			Max. Torque	23			-2.682
L43	59.083 - 58.833	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-72.830	-7.221	6.485
			Max. Mx	10	-47.053	-2115.716	-1220.254
			Max. My	2	-47.332	4.244	2209.931
			Max. Vy	10	31.878	-2115.716	-1220.254
			Max. Vx	2	-32.671	4.244	2209.931
			Max. Torque	23			-2.686
L44	58.833 -	Pole	Max Tension	1	0.000	0.000	0.000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
	55.4167						
			Max. Compression	26	-75.329	-7.449	6.834
			Max. Mx	10	-49.021	-2225.573	-1283.556
			Max. My	2	-49.295	4.405	2322.484
			Max. Vy	10	32.419	-2225.573	-1283.556
			Max. Vx	2	-33.158	4.405	2322.484
			Max. Torque	23			-2.738
L45	55.4167 - 55.1667	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-75.513	-7.466	6.860
			Max. Mx	10	-49.177	-2233.684	-1288.229
			Max. My	2	-49.448	4.417	2330.785
			Max. Vy	10	32.446	-2233.684	-1288.229
			Max. Vx	2	-33.185	4.417	2330.785
			Max. Torque	23			-2.742
L46	55.1667 - 54.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-75.819	-7.493	6.903
			Max. Mx	10	-49.419	-2247.222	-1296.030
			Max. My	2	-49.689	4.437	2344.639
			Max. Vy	10	32.513	-2247.222	-1296.030
			Max. Vx	2	-33.242	4.437	2344.639
			Max. Torque	23			-2.748
L47	54.75 - 54.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-75.985	-7.510	6.929
			Max. Mx	10	-49.549	-2255.358	-1300.718
			Max. My	2	-49.818	4.448	2352.962
			Max. Vy	10	32.548	-2255.358	-1300.718
			Max. Vx	2	-33.276	4.448	2352.962
			Max. Torque	23			-2.752
L48	54.5 - 49.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-79.246	-7.832	7.448
			Max. Mx	10	-52.122	-2419.963	-1395.567
			Max. My	2	-52.375	4.681	2521.063
			Max. Vy	10	33.281	-2419.963	-1395.567
			Max. Vx	2	-33.904	4.681	2521.063
			Max. Torque	23			-2.835
L49	49.5 - 44.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-82.486	-8.130	7.954
			Max. Mx	10	-54.738	-2588.132	-1492.467
			Max. My	2	-54.969	4.910	2692.130
			Max. Vy	10	33.987	-2588.132	-1492.467
			Max. Vx	2	-34.471	4.910	2692.130
			Max. Torque	23			-2.920
L50	44.5 - 41.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.626	-8.295	8.236
			Max. Mx	10	-56.457	-2699.335	-1556.543
			Max. My	2	-56.674	5.058	2804.823
			Max. Vy	10	34.448	-2699.335	-1556.543
			Max. Vx	2	-34.828	5.058	2804.823
			Max. Torque	23			-2.958
L51	41.25 - 41	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.802	-8.307	8.258
			Max. Mx	10	-56.613	-2707.951	-1561.508
			Max. My	2	-56.827	5.069	2813.540
			Max. Vy	10	34.468	-2707.951	-1561.508
			Max. Vx	2	-34.843	5.069	2813.540
			Max. Torque	23			-2.961
L52	41 - 34.291	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-86.230	-8.416	8.435
			Max. Mx	10	-57.750	-2777.198	-1601.406

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	2	-57.957	5.159	2883.531
			Max. Vy	10	34.762	-2777.198	-1601.406
			Max. Vx	2	-35.082	5.159	2883.531
			Max. Torque	23			-2.983
L53	34.291 - 33.291	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-93.354	-8.727	8.939
			Max. Mx	10	-63.781	-2978.462	-1717.373
			Max. My	2	-63.978	5.414	3086.362
			Max. Vy	10	35.715	-2978.462	-1717.373
			Max. Vx	2	-35.894	5.414	3086.362
			Max. Torque	23			-3.043
L54	33.291 - 31.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-94.828	-8.828	9.097
			Max. Mx	10	-64.976	-3042.662	-1754.365
			Max. My	2	-65.168	5.494	3150.898
			Max. Vy	10	35.982	-3042.662	-1754.365
			Max. Vx	2	-36.124	5.494	3150.898
			Max. Torque	23			-3.061
L55	31.5 - 31.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-95.037	-8.841	9.123
			Max. Mx	10	-65.164	-3051.660	-1759.550
			Max. My	2	-65.351	5.505	3159.937
			Max. Vy	10	35.993	-3051.660	-1759.550
			Max. Vx	2	-36.132	5.505	3159.937
			Max. Torque	23			-3.064
L56	31.25 - 30.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-95.662	-8.884	9.205
			Max. Mx	10	-65.668	-3078.706	-1775.134
			Max. My	2	-65.854	5.538	3187.100
			Max. Vy	10	36.106	-3078.706	-1775.134
			Max. Vx	2	-36.227	5.538	3187.100
			Max. Torque	23			-3.076
L57	30.5 - 30.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-95.866	-8.898	9.227
			Max. Mx	10	-65.841	-3087.738	-1780.339
			Max. My	2	-66.025	5.549	3196.169
			Max. Vy	10	36.133	-3087.738	-1780.339
			Max. Vx	2	-36.251	5.549	3196.169
			Max. Torque	23			-3.078
L58	30.25 - 25.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-99.583	-9.151	9.628
			Max. Mx	10	-68.839	-3251.867	-1874.910
			Max. My	2	-69.003	5.748	3361.106
			Max. Vy	10	36.798	-3251.867	-1874.910
			Max. Vx	2	-36.988	5.748	3361.106
			Max. Torque	23			-3.133
L59	25.75 - 25.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-99.787	-9.165	9.651
			Max. Mx	10	-69.013	-3261.071	-1880.214
			Max. My	2	-69.173	5.759	3370.365
			Max. Vy	10	36.820	-3261.071	-1880.214
			Max. Vx	2	-37.016	5.759	3370.365
			Max. Torque	23			-3.136
L60	25.5 - 24.6667	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-100.472	-9.212	9.716
			Max. Mx	10	-69.551	-3291.818	-1897.930
			Max. My	2	-69.709	5.795	3401.300
			Max. Vy	10	36.956	-3291.818	-1897.930
			Max. Vx	2	-37.158	5.795	3401.300
			Max. Torque	23			-3.147

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L61	24.6667 - 24.4167	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-100.655	-9.226	9.736
			Max. Mx	10	-69.701	-3301.062	-1903.257
			Max. My	2	-69.856	5.806	3410.602
			Max. Vy	10	36.982	-3301.062	-1903.257
			Max. Vx	2	-37.189	5.806	3410.602
			Max. Torque	23			-3.151
L62	24.4167 - 24	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-100.962	-9.250	9.769
			Max. Mx	10	-69.937	-3316.491	-1912.147
			Max. My	2	-70.090	5.825	3426.129
			Max. Vy	10	37.045	-3316.491	-1912.147
			Max. Vx	2	-37.254	5.825	3426.129
			Max. Torque	23			-3.156
L63	24 - 23.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-101.152	-9.264	9.788
			Max. Mx	10	-70.089	-3325.760	-1917.488
			Max. My	2	-70.240	5.835	3435.457
			Max. Vy	10	37.078	-3325.760	-1917.488
			Max. Vx	2	-37.291	5.835	3435.457
			Max. Torque	23			-3.160
L64	23.75 - 18.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-104.847	-9.535	10.163
			Max. Mx	10	-73.060	-3512.999	-2025.375
			Max. My	2	-73.187	6.052	3623.952
			Max. Vy	10	37.802	-3512.999	-2025.375
			Max. Vx	2	-38.038	6.052	3623.952
			Max. Torque	23			-3.235
L65	18.75 - 14.083	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-108.259	-9.804	10.478
			Max. Mx	10	-75.869	-3690.825	-2127.837
			Max. My	2	-75.969	6.250	3803.097
			Max. Vy	10	38.407	-3690.825	-2127.837
			Max. Vx	2	-38.678	6.250	3803.097
			Max. Torque	23			-3.297
L66	14.083 - 13.817	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-108.459	-9.819	10.497
			Max. Mx	10	-76.046	-3701.045	-2133.726
			Max. My	2	-76.142	6.262	3813.397
			Max. Vy	10	38.422	-3701.045	-2133.726
			Max. Vx	2	-38.699	6.262	3813.397
			Max. Torque	23			-3.300
L67	13.817 - 13.667	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-108.572	-9.828	10.507
			Max. Mx	10	-76.141	-3706.812	-2137.049
			Max. My	2	-76.235	6.268	3819.210
			Max. Vy	10	38.438	-3706.812	-2137.049
			Max. Vx	2	-38.721	6.268	3819.210
			Max. Torque	23			-3.301
L68	13.667 - 10.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-110.938	-10.014	10.713
			Max. Mx	10	-78.089	-3829.227	-2207.582
			Max. My	2	-78.167	6.401	3942.677
			Max. Vy	10	38.852	-3829.227	-2207.582
			Max. Vx	2	-39.181	6.401	3942.677
			Max. Torque	23			-3.320
L69	10.5 - 10.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-111.119	-10.030	10.727

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	10	-78.252	-3838.943	-2213.181
			Max. My	2	-78.326	6.411	3952.484
			Max. Vy	10	38.865	-3838.943	-2213.181
			Max. Vx	2	-39.199	6.411	3952.484
			Max. Torque	23			-3.321
L70	10.25 - 5.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-114.717	-10.339	11.026
			Max. Mx	10	-81.271	-4034.850	-2326.058
			Max. My	2	-81.315	6.618	4150.413
			Max. Vy	10	39.484	-4034.850	-2326.058
			Max. Vx	2	-39.902	6.618	4150.413
			Max. Torque	23			-3.341
L71	5.25 - 2.9	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-116.233	-10.480	11.167
			Max. Mx	10	-82.551	-4127.938	-2379.694
			Max. My	2	-82.577	6.714	4244.599
			Max. Vy	10	39.754	-4127.938	-2379.694
			Max. Vx	2	-40.211	6.714	4244.599
			Max. Torque	23			-3.351
L72	2.9 - 2.65	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-116.394	-10.494	11.183
			Max. Mx	10	-82.705	-4137.876	-2385.421
			Max. My	2	-82.726	6.724	4254.661
			Max. Vy	10	39.755	-4137.876	-2385.421
			Max. Vx	2	-40.217	6.724	4254.661
			Max. Torque	23			-3.352
L73	2.65 - 2.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-116.490	-10.503	11.192
			Max. Mx	10	-82.789	-4143.843	-2388.859
			Max. My	2	-82.808	6.730	4260.702
			Max. Vy	10	39.769	-4143.843	-2388.859
			Max. Vx	2	-40.234	6.730	4260.702
			Max. Torque	23			-3.352
L74	2.5 - 2.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-116.658	-10.518	11.207
			Max. Mx	10	-82.932	-4153.793	-2394.592
			Max. My	2	-82.950	6.740	4270.776
			Max. Vy	10	39.800	-4153.793	-2394.592
			Max. Vx	2	-40.269	6.740	4270.776
			Max. Torque	23			-3.353
L75	2.25 - 1.917	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-116.881	-10.537	11.227
			Max. Mx	10	-83.122	-4167.059	-2402.235
			Max. My	2	-83.138	6.754	4284.208
			Max. Vy	10	39.842	-4167.059	-2402.235
			Max. Vx	2	-40.316	6.754	4284.208
			Max. Torque	23			-3.354
L76	1.917 - 1.667	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-117.040	-10.551	11.242
			Max. Mx	10	-83.260	-4177.026	-2407.978
			Max. My	2	-83.273	6.764	4294.303
			Max. Vy	10	39.869	-4177.026	-2407.978
			Max. Vx	2	-40.348	6.764	4294.303
			Max. Torque	23			-3.356
L77	1.667 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-118.083	-10.642	11.344
			Max. Mx	10	-84.145	-4243.672	-2446.377
			Max. My	2	-84.152	6.831	4361.820
			Max. Vy	10	40.097	-4243.672	-2446.377
			Max. Vx	2	-40.605	6.831	4361.820
			Max. Torque	23			-3.362

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	118.083	0.011	9.075
	Max. H_x	23	63.131	40.051	23.142
	Max. H_z	2	84.174	0.062	40.558
	Max. M_x	2	4361.820	0.062	40.558
	Max. M_z	10	4243.672	-40.051	-23.142
	Max. Torsion	11	3.360	-40.051	-23.142
	Min. Vert	19	63.131	30.333	-17.459
	Min. H_x	11	63.131	-40.051	-23.142
	Min. H_z	15	63.131	-0.062	-40.558
	Min. M_x	14	-4350.003	-0.062	-40.558
	Min. M_z	22	-4236.377	40.051	23.142
	Min. Torsion	23	-3.362	40.051	23.142

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	70.145	0.000	0.000	-4.753	-2.924	-0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	84.174	-0.062	-40.558	-4361.820	6.831	1.358
0.9 Dead+1.0 Wind 0 deg - No Ice	63.131	-0.062	-40.558	-4306.070	7.630	1.363
1.2 Dead+1.0 Wind 30 deg - No Ice	84.174	18.767	-32.538	-3519.197	-2027.746	0.964
0.9 Dead+1.0 Wind 30 deg - No Ice	63.131	18.767	-32.538	-3473.323	-2001.268	0.969
1.2 Dead+1.0 Wind 60 deg - No Ice	84.174	30.333	-17.459	-1984.818	-3444.729	0.605
0.9 Dead+1.0 Wind 60 deg - No Ice	63.131	30.333	-17.459	-1958.049	-3399.880	0.609
1.2 Dead+1.0 Wind 90 deg - No Ice	84.174	37.649	0.062	4.563	-4054.039	-0.264
0.9 Dead+1.0 Wind 90 deg - No Ice	63.131	37.649	0.062	5.937	-4001.862	-0.262
1.2 Dead+1.0 Wind 120 deg - No Ice	84.174	40.051	23.142	2446.378	-4243.672	-3.358
0.9 Dead+1.0 Wind 120 deg - No Ice	63.131	40.051	23.142	2417.711	-4190.554	-3.360
1.2 Dead+1.0 Wind 150 deg - No Ice	84.174	23.017	39.773	4173.407	-2424.377	-3.018
0.9 Dead+1.0 Wind 150 deg - No Ice	63.131	23.017	39.773	4123.580	-2393.664	-3.023
1.2 Dead+1.0 Wind 180 deg - No Ice	84.174	0.062	40.558	4350.003	-14.140	-1.357
0.9 Dead+1.0 Wind 180 deg - No Ice	63.131	0.062	40.558	4297.313	-13.019	-1.362

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 210 deg - No Ice	84.174	-18.767	32.538	3507.365	2020.442	-0.966
0.9 Dead+1.0 Wind 210 deg - No Ice	63.131	-18.767	32.538	3464.558	1995.882	-0.971
1.2 Dead+1.0 Wind 240 deg - No Ice	84.174	-30.333	17.459	1972.974	3437.423	-0.607
0.9 Dead+1.0 Wind 240 deg - No Ice	63.131	-30.333	17.459	1949.275	3394.493	-0.611
1.2 Dead+1.0 Wind 270 deg - No Ice	84.174	-37.649	-0.062	-16.411	4046.722	0.263
0.9 Dead+1.0 Wind 270 deg - No Ice	63.131	-37.649	-0.062	-14.714	3996.467	0.261
1.2 Dead+1.0 Wind 300 deg - No Ice	84.174	-40.051	-23.142	-2458.173	4236.377	3.360
0.9 Dead+1.0 Wind 300 deg - No Ice	63.131	-40.051	-23.142	-2426.450	4185.176	3.362
1.2 Dead+1.0 Wind 330 deg - No Ice	84.174	-23.017	-39.773	-4185.211	2417.087	3.021
0.9 Dead+1.0 Wind 330 deg - No Ice	63.131	-23.017	-39.773	-4132.325	2388.289	3.026
1.2 Dead+1.0 Ice+1.0 Temp	118.083	0.000	-0.000	-11.344	-10.642	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	118.083	-0.011	-9.075	-1057.940	-8.808	0.373
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	118.083	4.362	-7.560	-885.622	-514.750	0.269
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	118.083	7.298	-4.203	-512.619	-881.476	0.180
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	118.083	8.860	0.011	-9.523	-1024.040	-0.057
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	118.083	9.257	5.347	586.412	-1045.176	-0.963
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	118.083	5.218	9.020	992.045	-591.768	-0.834
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	118.083	0.011	9.075	1034.931	-12.776	-0.373
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	118.083	-4.362	7.560	862.612	493.167	-0.269
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	118.083	-7.298	4.203	489.608	859.895	-0.181
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	118.083	-8.860	-0.011	-13.490	1002.457	0.056
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	118.083	-9.257	-5.347	-609.420	1023.596	0.963
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	118.083	-5.218	-9.020	-1015.053	570.186	0.834
Dead+Wind 0 deg - Service	70.145	-0.015	-10.049	-1076.472	-0.456	0.354
Dead+Wind 30 deg - Service	70.145	4.650	-8.062	-869.051	-500.894	0.258
Dead+Wind 60 deg - Service	70.145	7.516	-4.326	-491.606	-849.353	0.166
Dead+Wind 90 deg - Service	70.145	9.328	0.015	-2.326	-999.283	-0.057
Dead+Wind 120 deg - Service	70.145	9.923	5.734	598.521	-1046.358	-0.839
Dead+Wind 150 deg - Service	70.145	5.703	9.854	1023.466	-598.675	-0.763
Dead+Wind 180 deg - Service	70.145	0.015	10.049	1066.674	-5.604	-0.354
Dead+Wind 210 deg - Service	70.145	-4.650	8.062	859.252	494.834	-0.258
Dead+Wind 240 deg - Service	70.145	-7.516	4.326	481.806	843.293	-0.166
Dead+Wind 270 deg - Service	70.145	-9.328	-0.015	-7.474	993.223	0.057
Dead+Wind 300 deg - Service	70.145	-9.923	-5.734	-608.318	1040.299	0.839
Dead+Wind 330 deg - Service	70.145	-5.703	-9.854	-1033.263	592.616	0.763

Solution Summary

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
1	0.000	-70.145	0.000	-0.000	70.145	0.000	0.000%
2	-0.062	-84.174	-40.558	0.062	84.174	40.558	0.000%
3	-0.062	-63.131	-40.558	0.062	63.131	40.558	0.000%
4	18.767	-84.174	-32.538	-18.767	84.174	32.538	0.000%
5	18.767	-63.131	-32.538	-18.767	63.131	32.538	0.000%
6	30.333	-84.174	-17.459	-30.333	84.174	17.459	0.000%
7	30.333	-63.131	-17.459	-30.333	63.131	17.459	0.000%
8	37.649	-84.174	0.062	-37.649	84.174	-0.062	0.000%
9	37.649	-63.131	0.062	-37.649	63.131	-0.062	0.000%
10	40.051	-84.174	23.142	-40.051	84.174	-23.142	0.000%
11	40.051	-63.131	23.142	-40.051	63.131	-23.142	0.000%
12	23.017	-84.174	39.773	-23.017	84.174	-39.773	0.000%
13	23.017	-63.131	39.773	-23.017	63.131	-39.773	0.000%
14	0.062	-84.174	40.558	-0.062	84.174	-40.558	0.000%
15	0.062	-63.131	40.558	-0.062	63.131	-40.558	0.000%
16	-18.767	-84.174	32.538	18.767	84.174	-32.538	0.000%
17	-18.767	-63.131	32.538	18.767	63.131	-32.538	0.000%
18	-30.333	-84.174	17.459	30.333	84.174	-17.459	0.000%
19	-30.333	-63.131	17.459	30.333	63.131	-17.459	0.000%
20	-37.649	-84.174	-0.062	37.649	84.174	0.062	0.000%
21	-37.649	-63.131	-0.062	37.649	63.131	0.062	0.000%
22	-40.051	-84.174	-23.142	40.051	84.174	23.142	0.000%
23	-40.051	-63.131	-23.142	40.051	63.131	23.142	0.000%
24	-23.017	-84.174	-39.773	23.017	84.174	39.773	0.000%
25	-23.017	-63.131	-39.773	23.017	63.131	39.773	0.000%
26	0.000	-118.083	0.000	-0.000	118.083	0.000	0.000%
27	-0.011	-118.083	-9.075	0.011	118.083	9.075	0.000%
28	4.362	-118.083	-7.560	-4.362	118.083	7.560	0.000%
29	7.298	-118.083	-4.203	-7.298	118.083	4.203	0.000%
30	8.860	-118.083	0.011	-8.860	118.083	-0.011	0.000%
31	9.257	-118.083	5.347	-9.257	118.083	-5.347	0.000%
32	5.218	-118.083	9.020	-5.218	118.083	-9.020	0.000%
33	0.011	-118.083	9.075	-0.011	118.083	-9.075	0.000%
34	-4.362	-118.083	7.560	4.362	118.083	-7.560	0.000%
35	-7.298	-118.083	4.203	7.298	118.083	-4.203	0.000%
36	-8.860	-118.083	-0.011	8.860	118.083	0.011	0.000%
37	-9.257	-118.083	-5.347	9.257	118.083	5.347	0.000%
38	-5.218	-118.083	-9.020	5.218	118.083	9.020	0.000%
39	-0.015	-70.145	-10.049	0.015	70.145	10.049	0.000%
40	4.650	-70.145	-8.062	-4.650	70.145	8.062	0.000%
41	7.516	-70.145	-4.326	-7.516	70.145	4.326	0.000%
42	9.328	-70.145	0.015	-9.328	70.145	-0.015	0.000%
43	9.923	-70.145	5.734	-9.923	70.145	-5.734	0.000%
44	5.703	-70.145	9.854	-5.703	70.145	-9.854	0.000%
45	0.015	-70.145	10.049	-0.015	70.145	-10.049	0.000%
46	-4.650	-70.145	8.062	4.650	70.145	-8.062	0.000%
47	-7.516	-70.145	4.326	7.516	70.145	-4.326	0.000%
48	-9.328	-70.145	-0.015	9.328	70.145	0.015	0.000%
49	-9.923	-70.145	-5.734	9.923	70.145	5.734	0.000%
50	-5.703	-70.145	-9.854	5.703	70.145	9.854	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000769
2	Yes	5	0.00000001	0.00083032
3	Yes	5	0.00000001	0.00038609
4	Yes	7	0.00000001	0.00007496
5	Yes	6	0.00000001	0.00044687
6	Yes	7	0.00000001	0.00007170
7	Yes	6	0.00000001	0.00042817
8	Yes	5	0.00000001	0.00043914
9	Yes	5	0.00000001	0.00017036
10	Yes	7	0.00000001	0.00009742
11	Yes	6	0.00000001	0.00056665
12	Yes	7	0.00000001	0.00010128
13	Yes	6	0.00000001	0.00059154
14	Yes	6	0.00000001	0.00006657
15	Yes	5	0.00000001	0.00052622
16	Yes	7	0.00000001	0.00007189
17	Yes	6	0.00000001	0.00042880
18	Yes	7	0.00000001	0.00007253
19	Yes	6	0.00000001	0.00043449
20	Yes	5	0.00000001	0.00048719
21	Yes	5	0.00000001	0.00019240
22	Yes	7	0.00000001	0.00010451
23	Yes	6	0.00000001	0.00060915
24	Yes	7	0.00000001	0.00009497
25	Yes	6	0.00000001	0.00055315
26	Yes	5	0.00000001	0.00022573
27	Yes	6	0.00000001	0.00091497
28	Yes	6	0.00000001	0.00099296
29	Yes	6	0.00000001	0.00099159
30	Yes	6	0.00000001	0.00089639
31	Yes	7	0.00000001	0.00011966
32	Yes	7	0.00000001	0.00011589
33	Yes	6	0.00000001	0.00089489
34	Yes	6	0.00000001	0.00094773
35	Yes	6	0.00000001	0.00094774
36	Yes	6	0.00000001	0.00086903
37	Yes	7	0.00000001	0.00011948
38	Yes	7	0.00000001	0.00011499
39	Yes	5	0.00000001	0.00009656
40	Yes	5	0.00000001	0.00036420
41	Yes	5	0.00000001	0.00033126
42	Yes	5	0.00000001	0.00008002
43	Yes	5	0.00000001	0.00048561
44	Yes	5	0.00000001	0.00055034
45	Yes	5	0.00000001	0.00009790
46	Yes	5	0.00000001	0.00032267
47	Yes	5	0.00000001	0.00033720
48	Yes	5	0.00000001	0.00007947
49	Yes	5	0.00000001	0.00057653
50	Yes	5	0.00000001	0.00046797

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160.333 - 155.333	26.043	43	1.550	0.006

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L2	155.333 - 150.333	24.420	43	1.549	0.006
L3	150.333 - 146.833	22.807	43	1.529	0.005
L4	146.833 - 146.333	21.697	43	1.500	0.004
L5	146.333 - 141.333	21.540	43	1.498	0.004
L6	141.333 - 136.333	19.989	43	1.461	0.004
L7	136.333 - 131.333	18.486	43	1.408	0.003
L8	131.333 - 126.333	17.045	43	1.343	0.003
L9	126.333 - 121.333	15.680	43	1.263	0.002
L10	121.333 - 120.083	14.405	43	1.170	0.002
L11	120.083 - 119.833	14.102	43	1.145	0.002
L12	119.833 - 117.5	14.042	43	1.143	0.002
L13	117.5 - 117.25	13.490	43	1.117	0.002
L14	117.25 - 115.5	13.431	43	1.115	0.002
L15	115.5 - 115.25	13.026	43	1.096	0.002
L16	115.25 - 110.25	12.969	43	1.094	0.002
L17	110.25 - 104.083	11.848	43	1.048	0.002
L18	107.82 - 102.82	11.320	43	1.024	0.002
L19	102.82 - 100.5	10.262	43	0.992	0.001
L20	100.5 - 100.25	9.786	43	0.968	0.001
L21	100.25 - 98.5	9.735	43	0.965	0.001
L22	98.5 - 98.25	9.385	43	0.945	0.001
L23	98.25 - 93.25	9.336	43	0.942	0.001
L24	93.25 - 90.5	8.379	43	0.885	0.001
L25	90.5 - 90.25	7.879	43	0.852	0.001
L26	90.25 - 85.25	7.834	43	0.849	0.001
L27	85.25 - 83.5	6.975	43	0.791	0.001
L28	83.5 - 83.25	6.689	43	0.771	0.001
L29	83.25 - 80.75	6.649	43	0.768	0.001
L30	80.75 - 80.5	6.253	43	0.746	0.001
L31	80.5 - 80.25	6.214	43	0.744	0.001
L32	80.25 - 77.5	6.175	43	0.741	0.001
L33	77.5 - 77.25	5.754	43	0.718	0.001
L34	77.25 - 68.82	5.717	43	0.715	0.001
L35	73.291 - 68.291	5.143	43	0.668	0.001
L36	68.291 - 64.25	4.459	43	0.636	0.001
L37	64.25 - 64	3.941	43	0.589	0.001
L38	64 - 60.5	3.910	43	0.586	0.001
L39	60.5 - 60.25	3.493	43	0.550	0.001
L40	60.25 - 60.083	3.465	43	0.548	0.001
L41	60.083 - 59.833	3.446	43	0.546	0.001
L42	59.833 - 59.083	3.417	43	0.544	0.001
L43	59.083 - 58.833	3.332	43	0.537	0.001
L44	58.833 - 55.4167	3.304	43	0.535	0.001
L45	55.4167 - 55.1667	2.931	43	0.506	0.001
L46	55.1667 - 54.75	2.905	43	0.504	0.001
L47	54.75 - 54.5	2.861	43	0.500	0.001
L48	54.5 - 49.5	2.835	43	0.497	0.001
L49	49.5 - 44.5	2.342	43	0.444	0.000
L50	44.5 - 41.25	1.906	43	0.390	0.000
L51	41.25 - 41	1.653	43	0.354	0.000
L52	41 - 34.291	1.635	43	0.352	0.000
L53	39 - 33.291	1.492	43	0.332	0.000
L54	33.291 - 31.5	1.110	43	0.303	0.000
L55	31.5 - 31.25	0.999	43	0.289	0.000
L56	31.25 - 30.5	0.984	43	0.287	0.000
L57	30.5 - 30.25	0.939	43	0.281	0.000
L58	30.25 - 25.75	0.925	43	0.279	0.000
L59	25.75 - 25.5	0.679	43	0.242	0.000
L60	25.5 - 24.6667	0.666	43	0.240	0.000
L61	24.6667 - 24.4167	0.625	43	0.233	0.000
L62	24.4167 - 24	0.613	43	0.230	0.000

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L63	24 - 23.75	0.593	43	0.226	0.000
L64	23.75 - 18.75	0.581	43	0.224	0.000
L65	18.75 - 14.083	0.369	43	0.180	0.000
L66	14.083 - 13.817	0.213	43	0.139	0.000
L67	13.817 - 13.667	0.205	43	0.137	0.000
L68	13.667 - 10.5	0.201	43	0.135	0.000
L69	10.5 - 10.25	0.121	43	0.107	0.000
L70	10.25 - 5.25	0.115	43	0.105	0.000
L71	5.25 - 2.9	0.031	43	0.057	0.000
L72	2.9 - 2.65	0.009	43	0.030	0.000
L73	2.65 - 2.5	0.008	43	0.027	0.000
L74	2.5 - 2.25	0.007	43	0.026	0.000
L75	2.25 - 1.917	0.006	43	0.023	0.000
L76	1.917 - 1.667	0.004	43	0.020	0.000
L77	1.667 - 0	0.003	43	0.018	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
156.000	RRUS-32 B30	43	24.637	1.549	0.006	33110
146.000	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	43	21.435	1.497	0.004	7903
139.000	APXV18-206517S-C	43	19.281	1.438	0.004	5512
132.000	BXA-80080-6CF-EDIN-X w/ Mount Pipe	43	17.233	1.352	0.003	4053
114.000	MX08FRO665-21 w/ Mount Pipe	43	12.684	1.083	0.002	5967

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160.333 - 155.333	105.701	10	6.289	0.024
L2	155.333 - 150.333	99.139	10	6.286	0.023
L3	150.333 - 146.833	92.611	10	6.208	0.020
L4	146.833 - 146.333	88.114	10	6.093	0.017
L5	146.333 - 141.333	87.478	10	6.085	0.017
L6	141.333 - 136.333	81.198	10	5.936	0.015
L7	136.333 - 131.333	75.107	10	5.724	0.013
L8	131.333 - 126.333	69.263	10	5.459	0.011
L9	126.333 - 121.333	63.725	10	5.135	0.010
L10	121.333 - 120.083	58.551	10	4.759	0.008
L11	120.083 - 119.833	57.321	10	4.660	0.008
L12	119.833 - 117.5	57.077	10	4.649	0.008
L13	117.5 - 117.25	54.835	10	4.546	0.007
L14	117.25 - 115.5	54.598	10	4.535	0.007
L15	115.5 - 115.25	52.952	10	4.458	0.007
L16	115.25 - 110.25	52.720	10	4.449	0.007
L17	110.25 - 104.083	48.164	10	4.263	0.007
L18	107.82 - 102.82	46.023	10	4.166	0.006

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L19	102.82 - 100.5	41.723	10	4.038	0.006
L20	100.5 - 100.25	39.787	10	3.939	0.006
L21	100.25 - 98.5	39.582	10	3.928	0.006
L22	98.5 - 98.25	38.159	10	3.846	0.005
L23	98.25 - 93.25	37.958	10	3.835	0.005
L24	93.25 - 90.5	34.069	10	3.601	0.005
L25	90.5 - 90.25	32.036	10	3.466	0.005
L26	90.25 - 85.25	31.855	10	3.455	0.005
L27	85.25 - 83.5	28.363	10	3.219	0.004
L28	83.5 - 83.25	27.200	10	3.136	0.004
L29	83.25 - 80.75	27.036	10	3.127	0.004
L30	80.75 - 80.5	25.424	10	3.033	0.004
L31	80.5 - 80.25	25.266	10	3.026	0.004
L32	80.25 - 77.5	25.108	10	3.017	0.004
L33	77.5 - 77.25	23.399	10	2.921	0.004
L34	77.25 - 68.82	23.247	10	2.909	0.004
L35	73.291 - 68.291	20.915	10	2.719	0.003
L36	68.291 - 64.25	18.131	10	2.588	0.003
L37	64.25 - 64	16.024	10	2.395	0.003
L38	64 - 60.5	15.899	10	2.384	0.003
L39	60.5 - 60.25	14.205	10	2.239	0.003
L40	60.25 - 60.083	14.088	10	2.230	0.002
L41	60.083 - 59.833	14.010	10	2.223	0.002
L42	59.833 - 59.083	13.894	10	2.214	0.002
L43	59.083 - 58.833	13.548	10	2.186	0.002
L44	58.833 - 55.4167	13.434	10	2.178	0.002
L45	55.4167 - 55.1667	11.920	10	2.057	0.002
L46	55.1667 - 54.75	11.812	10	2.048	0.002
L47	54.75 - 54.5	11.634	10	2.034	0.002
L48	54.5 - 49.5	11.528	10	2.023	0.002
L49	49.5 - 44.5	9.524	10	1.805	0.002
L50	44.5 - 41.25	7.750	10	1.584	0.002
L51	41.25 - 41	6.721	10	1.440	0.001
L52	41 - 34.291	6.646	10	1.430	0.001
L53	39 - 33.291	6.064	10	1.349	0.001
L54	33.291 - 31.5	4.513	10	1.233	0.001
L55	31.5 - 31.25	4.061	10	1.176	0.001
L56	31.25 - 30.5	4.000	10	1.168	0.001
L57	30.5 - 30.25	3.818	10	1.145	0.001
L58	30.25 - 25.75	3.759	10	1.136	0.001
L59	25.75 - 25.5	2.759	10	0.984	0.001
L60	25.5 - 24.6667	2.708	10	0.976	0.001
L61	24.6667 - 24.4167	2.540	10	0.946	0.001
L62	24.4167 - 24	2.491	10	0.937	0.001
L63	24 - 23.75	2.410	10	0.920	0.001
L64	23.75 - 18.75	2.362	10	0.911	0.001
L65	18.75 - 14.083	1.501	10	0.734	0.001
L66	14.083 - 13.817	0.866	10	0.566	0.001
L67	13.817 - 13.667	0.835	10	0.556	0.001
L68	13.667 - 10.5	0.817	10	0.551	0.001
L69	10.5 - 10.25	0.491	10	0.435	0.000
L70	10.25 - 5.25	0.468	10	0.425	0.000
L71	5.25 - 2.9	0.125	10	0.231	0.000
L72	2.9 - 2.65	0.038	10	0.123	0.000
L73	2.65 - 2.5	0.031	10	0.112	0.000
L74	2.5 - 2.25	0.028	10	0.105	0.000
L75	2.25 - 1.917	0.023	10	0.095	0.000
L76	1.917 - 1.667	0.017	10	0.082	0.000
L77	1.667 - 0	0.013	10	0.072	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
156.000	RRUS-32 B30	10	100.013	6.288	0.024	8850
146.000	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	10	87.056	6.080	0.017	2025
139.000	APXV18-206517S-C	10	78.329	5.842	0.014	1398
132.000	BXA-80080-6CF-EDIN-X w/ Mount Pipe	10	70.026	5.498	0.012	1023
114.000	MX08FRO665-21 w/ Mount Pipe	10	51.563	4.406	0.007	1489

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	160.333 - 155.333 (1)	TP16x16x0.375	5.000	0.000	0.0	18.408	-4.981	579.845	0.009
L2	155.333 - 150.333 (2)	TP16x16x0.375	5.000	0.000	0.0	18.408	-5.421	579.845	0.009
L3	150.333 - 146.833 (3)	TP16x16x0.375	3.500	0.000	0.0	18.408	-5.740	579.845	0.010
L4	146.833 - 146.333 (4)	TP22x22x0.375	0.500	0.000	0.0	25.476	-5.800	802.505	0.007
L5	146.333 - 141.333 (5)	TP22.924x22x0.25	5.000	0.000	0.0	18.253	-10.776	985.640	0.011
L6	141.333 - 136.333 (6)	TP23.848x22.924x0.25	5.000	0.000	0.0	18.996	-11.585	1025.810	0.011
L7	136.333 - 131.333 (7)	TP24.772x23.848x0.25	5.000	0.000	0.0	19.740	-16.562	1065.970	0.016
L8	131.333 - 126.333 (8)	TP25.696x24.772x0.25	5.000	0.000	0.0	20.484	-17.364	1106.140	0.016
L9	126.333 - 121.333 (9)	TP26.62x25.696x0.25	5.000	0.000	0.0	21.228	-18.210	1146.310	0.016
L10	121.333 - 120.083 (10)	TP26.851x26.62x0.25	1.250	0.000	0.0	21.414	-18.423	1156.350	0.016
L11	120.083 - 119.833 (11)	TP26.897x26.851x0.488	0.250	0.000	0.0	41.457	-18.499	2238.670	0.008
L12	119.833 - 117.5 (12)	TP27.328x26.897x0.488	2.333	0.000	0.0	42.134	-19.038	2275.220	0.008
L13	117.5 - 117.25 (13)	TP27.375x27.328x0.5	0.250	0.000	0.0	43.268	-19.110	2336.480	0.008
L14	117.25 - 115.5 (14)	TP27.698x27.375x0.5	1.750	0.000	0.0	43.789	-19.542	2364.600	0.008
L15	115.5 - 115.25 (15)	TP27.744x27.698x0.663	0.250	0.000	0.0	57.772	-19.628	3119.700	0.006
L16	115.25 - 110.25 (16)	TP28.668x27.744x0.65	5.000	0.000	0.0	58.642	-23.812	3166.690	0.008
L17	110.25 -	TP29.808x28.668x0.638	6.167	0.000	0.0	58.462	-24.539	3156.950	0.008

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L18	104.083 (17) 104.083 - 102.82 (18)	TP29.541x28.617x0.7	5.000	0.000	0.0	65.007	-26.965	3510.370	0.008
L19	102.82 - 100.5 (19)	TP29.969x29.541x0.688	2.320	0.000	0.0	64.822	-27.732	3500.390	0.008
L20	100.5 - 100.25 (20)	TP30.015x29.969x0.638	0.250	0.000	0.0	60.305	-27.822	3256.480	0.009
L21	100.25 - 98.5 (21)	TP30.338x30.015x0.625	1.750	0.000	0.0	59.798	-28.373	3229.100	0.009
L22	98.5 - 98.25 (22)	TP30.385x30.338x0.663	0.250	0.000	0.0	63.405	-28.476	3423.850	0.008
L23	98.25 - 93.25 (23)	TP31.308x30.385x0.65	5.000	0.000	0.0	64.167	-30.167	3465.010	0.009
L24	93.25 - 90.5 (24)	TP31.816x31.308x0.638	2.750	0.000	0.0	64.001	-31.113	3456.050	0.009
L25	90.5 - 90.25 (25)	TP31.862x31.816x0.688	0.250	0.000	0.0	69.012	-31.224	3726.650	0.008
L26	90.25 - 85.25 (26)	TP32.785x31.862x0.675	5.000	0.000	0.0	69.791	-33.144	3768.730	0.009
L27	85.25 - 83.5 (27)	TP33.108x32.785x0.663	1.750	0.000	0.0	69.215	-33.818	3737.600	0.009
L28	83.5 - 83.25 (28)	TP33.154x33.108x0.913	0.250	0.000	0.0	94.735	-33.954	5115.680	0.007
L29	83.25 - 80.75 (29)	TP33.616x33.154x0.888	2.500	0.000	0.0	93.530	-35.094	5050.620	0.007
L30	80.75 - 80.5 (30)	TP33.662x33.616x1.063	0.250	0.000	0.0	111.532	-35.231	6022.710	0.006
L31	80.5 - 80.25 (31)	TP33.708x33.662x0.975	0.250	0.000	0.0	102.766	-35.355	5549.390	0.006
L32	80.25 - 77.5 (32)	TP34.216x33.708x0.963	2.750	0.000	0.0	103.061	-36.708	5565.320	0.007
L33	77.5 - 77.25 (33)	TP34.262x34.216x0.688	0.250	0.000	0.0	74.326	-36.827	4013.620	0.009
L34	77.25 - 68.82 (34)	TP35.819x34.262x0.688	8.430	0.000	0.0	75.945	-38.530	4101.010	0.009
L35	68.82 - 68.291 (35)	TP35.291x34.368x0.75	5.000	0.000	0.0	83.418	-42.360	4504.550	0.009
L36	68.291 - 64.25 (36)	TP36.037x35.291x0.738	4.041	0.000	0.0	83.828	-44.251	4526.740	0.010
L37	64.25 - 64 (37)	TP36.084x36.037x0.875	0.250	0.000	0.0	99.200	-44.388	5356.810	0.008
L38	64 - 60.5 (38)	TP36.73x36.084x0.863	3.500	0.000	0.0	99.612	-46.129	5379.060	0.009
L39	60.5 - 60.25 (39)	TP36.776x36.73x0.925	0.250	0.000	0.0	106.782	-46.273	5766.210	0.008
L40	60.25 - 60.083 (40)	TP36.807x36.776x0.925	0.167	0.000	0.0	106.874	-46.363	5771.170	0.008
L41	60.083 - 59.833 (41)	TP36.853x36.807x0.975	0.250	0.000	0.0	112.638	-46.498	6082.470	0.008
L42	59.833 - 59.083 (42)	TP36.991x36.853x0.975	0.750	0.000	0.0	113.073	-46.902	6105.950	0.008
L43	59.083 - 58.833 (43)	TP37.037x36.991x1.05	0.250	0.000	0.0	121.673	-47.053	6570.370	0.007
L44	58.833 - 55.4167 (44)	TP37.668x37.037x1.025	3.416	0.000	0.0	120.941	-49.021	6530.790	0.008
L45	55.4167 - 55.1667 (45)	TP37.714x37.668x1.025	0.250	0.000	0.0	121.093	-49.177	6539.010	0.008
L46	55.1667 - 54.75 (46)	TP37.791x37.714x1.025	0.417	0.000	0.0	121.347	-49.419	6552.720	0.008
L47	54.75 - 54.5 (47)	TP37.837x37.791x0.825	0.250	0.000	0.0	98.323	-49.549	5309.450	0.009
L48	54.5 - 49.5 (48)	TP38.76x37.837x0.813	5.000	0.000	0.0	99.281	-52.123	5361.180	0.010

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L49	49.5 - 44.5 (49)	TP39.683x38.76x0.8	5.000	0.000	0.0	100.164	-54.738	5408.830	0.010
L50	44.5 - 41.25 (50)	TP40.283x39.683x0.788	3.250	0.000	0.0	100.152	-56.457	5408.180	0.010
L51	41.25 - 41 (51)	TP40.329x40.283x0.875	0.250	0.000	0.0	111.163	-56.613	6002.800	0.009
L52	41 - 34.291 (52)	TP41.568x40.329x0.875	6.709	0.000	0.0	112.203	-57.750	6058.980	0.010
L53	34.291 - 33.291 (53)	TP40.996x39.949x1.175	5.709	0.000	0.0	150.661	-63.781	8135.690	0.008
L54	33.291 - 31.5 (54)	TP41.324x40.996x1.175	1.791	0.000	0.0	151.904	-64.976	8202.790	0.008
L55	31.5 - 31.25 (55)	TP41.37x41.324x1.175	0.250	0.000	0.0	152.077	-65.163	8212.160	0.008
L56	31.25 - 30.5 (56)	TP41.507x41.37x1.175	0.750	0.000	0.0	152.597	-65.668	8240.250	0.008
L57	30.5 - 30.25 (57)	TP41.553x41.507x1.125	0.250	0.000	0.0	146.451	-65.841	7908.350	0.008
L58	30.25 - 25.75 (58)	TP42.378x41.553x1.1	4.500	0.000	0.0	146.208	-68.839	7895.220	0.009
L59	25.75 - 25.5 (59)	TP42.424x42.378x1.05	0.250	0.000	0.0	139.886	-69.013	7553.840	0.009
L60	25.5 - 24.6667 (60)	TP42.577x42.424x1.038	0.833	0.000	0.0	138.773	-69.551	7493.740	0.009
L61	24.6667 - 24.4167 (61)	TP42.623x42.577x0.925	0.250	0.000	0.0	124.197	-69.701	6706.630	0.010
L62	24.4167 - 24 (62)	TP42.699x42.623x0.925	0.417	0.000	0.0	124.424	-69.937	6718.920	0.010
L63	24 - 23.75 (63)	TP42.745x42.699x1.025	0.250	0.000	0.0	137.697	-70.089	7435.640	0.009
L64	23.75 - 18.75 (64)	TP43.662x42.745x1.025	5.000	0.000	0.0	140.723	-73.060	7599.040	0.010
L65	18.75 - 14.083 (65)	TP44.518x43.662x1	4.667	0.000	0.0	140.127	-75.869	7566.850	0.010
L66	14.083 - 13.817 (66)	TP44.566x44.518x0.975	0.266	0.000	0.0	136.855	-76.046	7390.180	0.010
L67	13.817 - 13.667 (67)	TP44.594x44.566x0.975	0.150	0.000	0.0	136.942	-76.141	7394.850	0.010
L68	13.667 - 10.5 (68)	TP45.175x44.594x0.975	3.167	0.000	0.0	138.765	-78.089	7493.300	0.010
L69	10.5 - 10.25 (69)	TP45.22x45.175x0.9	0.250	0.000	0.0	128.441	-78.252	6935.800	0.011
L70	10.25 - 5.25 (70)	TP46.137x45.22x0.9	5.000	0.000	0.0	131.098	-81.271	7079.280	0.011
L71	5.25 - 2.9 (71)	TP46.568x46.137x0.75	2.350	0.000	0.0	110.651	-82.551	5975.160	0.014
L72	2.9 - 2.65 (72)	TP46.614x46.568x0.75	0.250	0.000	0.0	110.762	-82.705	5981.130	0.014
L73	2.65 - 2.5 (73)	TP46.642x46.614x0.75	0.150	0.000	0.0	110.828	-82.789	5984.720	0.014
L74	2.5 - 2.25 (74)	TP46.687x46.642x0.9	0.250	0.000	0.0	132.692	-82.932	7165.370	0.012
L75	2.25 - 1.917 (75)	TP46.748x46.687x0.9	0.333	0.000	0.0	132.869	-83.122	7174.920	0.012
L76	1.917 - 1.667 (76)	TP46.794x46.748x0.8	0.250	0.000	0.0	118.481	-83.260	6398.000	0.013
L77	1.667 - 0 (77)	TP47.1x46.794x0.788	1.667	0.000	0.0	117.437	-84.145	6341.590	0.013

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	160.333 - 155.333 (1)	TP16x16x0.375	11.076	240.372	0.046	0.000	240.372	0.000
L2	155.333 - 150.333 (2)	TP16x16x0.375	50.428	240.372	0.210	0.000	240.372	0.000
L3	150.333 - 146.833 (3)	TP16x16x0.375	79.840	240.372	0.332	0.000	240.372	0.000
L4	146.833 - 146.333 (4)	TP22x22x0.375	84.171	460.380	0.183	0.000	460.380	0.000
L5	146.333 - 141.333 (5)	TP22.924x22x0.25	153.770	561.217	0.274	0.000	561.217	0.000
L6	141.333 - 136.333 (6)	TP23.848x22.924x0.25	227.534	600.296	0.379	0.000	600.296	0.000
L7	136.333 - 131.333 (7)	TP24.772x23.848x0.25	312.624	639.998	0.488	0.000	639.998	0.000
L8	131.333 - 126.333 (8)	TP25.696x24.772x0.25	418.384	680.253	0.615	0.000	680.253	0.000
L9	126.333 - 121.333 (9)	TP26.62x25.696x0.25	527.991	720.983	0.732	0.000	720.983	0.000
L10	121.333 - 120.083 (10)	TP26.851x26.62x0.25	555.996	731.232	0.760	0.000	731.232	0.000
L11	120.083 - 119.833 (11)	TP26.897x26.851x0.488	561.628	1501.958	0.374	0.000	1501.958	0.000
L12	119.833 - 117.5 (12)	TP27.328x26.897x0.488	614.712	1551.850	0.396	0.000	1551.850	0.000
L13	117.5 - 117.25 (13)	TP27.375x27.328x0.5	620.457	1594.942	0.389	0.000	1594.942	0.000
L14	117.25 - 115.5 (14)	TP27.698x27.375x0.5	661.000	1633.917	0.405	0.000	1633.917	0.000
L15	115.5 - 115.25 (15)	TP27.744x27.698x0.663	666.837	2133.733	0.313	0.000	2133.733	0.000
L16	115.25 - 110.25 (16)	TP28.668x27.744x0.65	797.337	2243.533	0.355	0.000	2243.533	0.000
L17	110.25 - 104.083 (17)	TP29.808x28.668x0.638	863.892	2275.292	0.380	0.000	2275.292	0.000
L18	104.083 - 102.82 (18)	TP29.541x28.617x0.7	1004.608	2557.342	0.393	0.000	2557.342	0.000
L19	102.82 - 100.5 (19)	TP29.969x29.541x0.688	1071.558	2591.058	0.414	0.000	2591.058	0.000
L20	100.5 - 100.25 (20)	TP30.015x29.969x0.638	1078.833	2422.642	0.445	0.000	2422.642	0.000
L21	100.25 - 98.5 (21)	TP30.338x30.015x0.625	1130.067	2431.300	0.465	0.000	2431.300	0.000
L22	98.5 - 98.25 (22)	TP30.385x30.338x0.663	1137.433	2575.517	0.442	0.000	2575.517	0.000
L23	98.25 - 93.25 (23)	TP31.308x30.385x0.65	1287.033	2691.408	0.478	0.000	2691.408	0.000
L24	93.25 - 90.5 (24)	TP31.816x31.308x0.638	1371.192	2732.025	0.502	0.000	2732.025	0.000
L25	90.5 - 90.25 (25)	TP31.862x31.816x0.688	1378.908	2940.950	0.469	0.000	2940.950	0.000
L26	90.25 - 85.25 (26)	TP32.785x31.862x0.675	1535.600	3066.525	0.501	0.000	3066.525	0.000
L27	85.25 - 83.5 (27)	TP33.108x32.785x0.663	1591.508	3074.808	0.518	0.000	3074.808	0.000
L28	83.5 - 83.25 (28)	TP33.154x33.108x0.913	1599.542	4150.008	0.385	0.000	4150.008	0.000
L29	83.25 - 80.75 (29)	TP33.616x33.154x0.888	1680.542	4163.867	0.404	0.000	4163.867	0.000
L30	80.75 - 80.5 (30)	TP33.662x33.616x1.063	1688.708	4919.517	0.343	0.000	4919.517	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 $\frac{M_{uy}}{\phi M_{ny}}$
L31	80.5 - 80.25 (31)	TP33.708x33.662x0.975	1696.892	4563.883	0.372	0.000	4563.883	0.000
L32	80.25 - 77.5 (32)	TP34.216x33.708x0.963	1787.675	4653.542	0.384	0.000	4653.542	0.000
L33	77.5 - 77.25 (33)	TP34.262x34.216x0.688	1796.000	3416.592	0.526	0.000	3416.592	0.000
L34	77.25 - 68.82 (34)	TP35.819x34.262x0.688	1929.367	3568.517	0.541	0.000	3568.517	0.000
L35	68.82 - 68.291 (35)	TP35.291x34.368x0.75	2102.317	3940.108	0.534	0.000	3940.108	0.000
L36	68.291 - 64.25 (36)	TP36.037x35.291x0.738	2245.650	4049.717	0.555	0.000	4049.717	0.000
L37	64.25 - 64 (37)	TP36.084x36.037x0.875	2254.617	4761.442	0.474	0.000	4761.442	0.000
L38	64 - 60.5 (38)	TP36.73x36.084x0.863	2381.283	4874.483	0.489	0.000	4874.483	0.000
L39	60.5 - 60.25 (39)	TP36.776x36.73x0.925	2390.417	5214.017	0.458	0.000	5214.017	0.000
L40	60.25 - 60.083 (40)	TP36.807x36.776x0.925	2396.525	5223.100	0.459	0.000	5223.100	0.000
L41	60.083 - 59.833 (41)	TP36.853x36.807x0.975	2405.675	5496.767	0.438	0.000	5496.767	0.000
L42	59.833 - 59.083 (42)	TP36.991x36.853x0.975	2433.192	5539.833	0.439	0.000	5539.833	0.000
L43	59.083 - 58.833 (43)	TP37.037x36.991x1.05	2442.392	5944.233	0.411	0.000	5944.233	0.000
L44	58.833 - 55.4167 (44)	TP37.668x37.037x1.025	2569.183	6023.125	0.427	0.000	6023.125	0.000
L45	55.4167 - 55.1667 (45)	TP37.714x37.668x1.025	2578.542	6038.508	0.427	0.000	6038.508	0.000
L46	55.1667 - 54.75 (46)	TP37.791x37.714x1.025	2594.167	6064.200	0.428	0.000	6064.200	0.000
L47	54.75 - 54.5 (47)	TP37.837x37.791x0.825	2603.558	4973.558	0.523	0.000	4973.558	0.000
L48	54.5 - 49.5 (48)	TP38.76x37.837x0.813	2793.533	5153.375	0.542	0.000	5153.375	0.000
L49	49.5 - 44.5 (49)	TP39.683x38.76x0.8	2987.625	5331.733	0.560	0.000	5331.733	0.000
L50	44.5 - 41.25 (50)	TP40.283x39.683x0.788	3115.967	5418.442	0.575	0.000	5418.442	0.000
L51	41.25 - 41 (51)	TP40.329x40.283x0.875	3125.908	5994.733	0.521	0.000	5994.733	0.000
L52	41 - 34.291 (52)	TP41.568x40.329x0.875	3205.825	6108.683	0.525	0.000	6108.683	0.000
L53	34.291 - 33.291 (53)	TP40.996x39.949x1.175	3438.108	8141.750	0.422	0.000	8141.750	0.000
L54	33.291 - 31.5 (54)	TP41.324x40.996x1.175	3512.208	8278.541	0.424	0.000	8278.541	0.000
L55	31.5 - 31.25 (55)	TP41.37x41.324x1.175	3522.592	8297.725	0.425	0.000	8297.725	0.000
L56	31.25 - 30.5 (56)	TP41.507x41.37x1.175	3553.808	8355.417	0.425	0.000	8355.417	0.000
L57	30.5 - 30.25 (57)	TP41.553x41.507x1.125	3564.233	8048.133	0.443	0.000	8048.133	0.000
L58	30.25 - 25.75 (58)	TP42.378x41.553x1.1	3753.658	8213.150	0.457	0.000	8213.150	0.000
L59	25.75 - 25.5 (59)	TP42.424x42.378x1.05	3764.275	7886.033	0.477	0.000	7886.033	0.000
L60	25.5 - 24.6667 (60)	TP42.577x42.424x1.038	3799.767	7857.617	0.484	0.000	7857.617	0.000
L61	24.6667 - 24.4167 (61)	TP42.623x42.577x0.925	3810.433	7078.383	0.538	0.000	7078.383	0.000
L62	24.4167 - 24 (62)	TP42.699x42.623x0.925	3828.242	7104.633	0.539	0.000	7104.633	0.000
L63	24 - 23.75 (63)	TP42.745x42.699x1.025	3838.933	7833.708	0.490	0.000	7833.708	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 $\frac{M_{uy}}{\phi M_{ny}}$
L64	23.75 - 18.75 (64)	TP43.662x42.745x1.025	4055.033	8186.017	0.495	0.000	8186.017	0.000
L65	18.75 - 14.083 (65)	TP44.518x43.662x1	4260.267	8328.350	0.512	0.000	8328.350	0.000
L66	14.083 - 13.817 (66)	TP44.566x44.518x0.975	4272.067	8152.583	0.524	0.000	8152.583	0.000
L67	13.817 - 13.667 (67)	TP44.594x44.566x0.975	4278.717	8162.983	0.524	0.000	8162.983	0.000
L68	13.667 - 10.5 (68)	TP45.175x44.594x0.975	4420.000	8384.167	0.527	0.000	8384.167	0.000
L69	10.5 - 10.25 (69)	TP45.22x45.175x0.9	4431.217	7795.000	0.568	0.000	7795.000	0.000
L70	10.25 - 5.25 (70)	TP46.137x45.22x0.9	4657.308	8124.117	0.573	0.000	8124.117	0.000
L71	5.25 - 2.9 (71)	TP46.568x46.137x0.75	4764.750	6969.183	0.684	0.000	6969.183	0.000
L72	2.9 - 2.65 (72)	TP46.614x46.568x0.75	4776.217	6983.241	0.684	0.000	6983.241	0.000
L73	2.65 - 2.5 (73)	TP46.642x46.614x0.75	4783.100	6991.691	0.684	0.000	6991.691	0.000
L74	2.5 - 2.25 (74)	TP46.687x46.642x0.9	4794.583	8324.850	0.576	0.000	8324.850	0.000
L75	2.25 - 1.917 (75)	TP46.748x46.687x0.9	4809.900	8347.250	0.576	0.000	8347.250	0.000
L76	1.917 - 1.667 (76)	TP46.794x46.748x0.8	4821.400	7483.500	0.644	0.000	7483.500	0.000
L77	1.667 - 0 (77)	TP47.1x46.794x0.788	4898.317	7471.700	0.656	0.000	7471.700	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	160.333 - 155.333 (1)	TP16x16x0.375	7.544	173.953	0.043	0.656	238.964	0.003
L2	155.333 - 150.333 (2)	TP16x16x0.375	8.178	173.953	0.047	0.805	238.964	0.003
L3	150.333 - 146.833 (3)	TP16x16x0.375	8.613	173.953	0.050	0.908	238.964	0.004
L4	146.833 - 146.333 (4)	TP22x22x0.375	8.690	240.752	0.036	0.928	457.725	0.002
L5	146.333 - 141.333 (5)	TP22.924x22x0.25	14.087	295.692	0.048	1.121	589.750	0.002
L6	141.333 - 136.333 (6)	TP23.848x22.924x0.25	15.362	307.742	0.050	1.319	638.797	0.002
L7	136.333 - 131.333 (7)	TP24.772x23.848x0.25	20.781	319.792	0.065	1.472	689.803	0.002
L8	131.333 - 126.333 (8)	TP25.696x24.772x0.25	21.553	331.843	0.065	1.363	742.768	0.002
L9	126.333 - 121.333 (9)	TP26.62x25.696x0.25	22.323	343.893	0.065	1.488	797.692	0.002
L10	121.333 - 120.083 (10)	TP26.851x26.62x0.25	22.523	346.905	0.065	1.512	811.728	0.002
L11	120.083 - 119.833 (11)	TP26.897x26.851x0.488	22.554	671.601	0.034	1.517	1560.183	0.001
L12	119.833 - 117.5 (12)	TP27.328x26.897x0.488	22.975	682.565	0.034	1.555	1611.542	0.001
L13	117.5 - 117.25 (13)	TP27.375x27.328x0.5	23.015	700.945	0.033	1.559	1657.017	0.001
L14	117.25 - 115.5	TP27.698x27.375x0.5	23.344	709.380	0.033	1.588	1697.142	0.001

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 $\frac{T_u}{\phi T_n}$
	(14)							
L15	115.5 - 115.25 (15)	TP27.744x27.698x0.663	23.381	935.910	0.025	1.592	2229.517	0.001
L16	115.25 - 110.25 (16)	TP28.668x27.744x0.65	27.179	950.006	0.029	1.865	2341.358	0.001
L17	110.25 - 104.083 (17)	TP29.808x28.668x0.638	27.630	947.086	0.029	1.908	2372.617	0.001
L18	104.083 - 102.82 (18)	TP29.541x28.617x0.7	28.663	1053.110	0.027	1.997	2671.650	0.001
L19	102.82 - 100.5 (19)	TP29.969x29.541x0.688	29.090	1050.120	0.028	2.039	2704.783	0.001
L20	100.5 - 100.25 (20)	TP30.015x29.969x0.638	29.128	976.943	0.030	2.044	2524.575	0.001
L21	100.25 - 98.5 (21)	TP30.338x30.015x0.625	29.460	968.731	0.030	2.080	2531.950	0.001
L22	98.5 - 98.25 (22)	TP30.385x30.338x0.663	29.488	1027.150	0.029	2.085	2685.433	0.001
L23	98.25 - 93.25 (23)	TP31.308x30.385x0.65	30.381	1039.500	0.029	2.196	2803.283	0.001
L24	93.25 - 90.5 (24)	TP31.816x31.308x0.638	30.869	1036.820	0.030	2.257	2843.492	0.001
L25	90.5 - 90.25 (25)	TP31.862x31.816x0.688	30.900	1118.000	0.028	2.262	3065.750	0.001
L26	90.25 - 85.25 (26)	TP32.785x31.862x0.675	31.806	1130.620	0.028	2.369	3193.433	0.001
L27	85.25 - 83.5 (27)	TP33.108x32.785x0.663	32.139	1121.280	0.029	2.390	3200.158	0.001
L28	83.5 - 83.25 (28)	TP33.154x33.108x0.913	32.167	1534.700	0.021	2.392	4352.558	0.001
L29	83.25 - 80.75 (29)	TP33.616x33.154x0.888	32.663	1515.190	0.022	2.420	4362.067	0.001
L30	80.75 - 80.5 (30)	TP33.662x33.616x1.063	32.702	1806.810	0.018	2.423	5181.158	0.000
L31	80.5 - 80.25 (31)	TP33.708x33.662x0.975	32.751	1664.820	0.020	2.426	4793.542	0.001
L32	80.25 - 77.5 (32)	TP34.216x33.708x0.963	33.303	1669.600	0.020	2.457	4883.725	0.001
L33	77.5 - 77.25 (33)	TP34.262x34.216x0.688	33.339	1204.090	0.028	2.460	3556.075	0.001
L34	77.25 - 68.82 (34)	TP35.819x34.262x0.688	34.074	1230.300	0.028	2.508	3712.625	0.001
L35	68.82 - 68.291 (35)	TP35.291x34.368x0.75	35.129	1351.360	0.026	2.571	4105.942	0.001
L36	68.291 - 64.25 (36)	TP36.037x35.291x0.738	35.853	1358.020	0.026	2.619	4216.775	0.001
L37	64.25 - 64 (37)	TP36.084x36.037x0.875	35.885	1607.040	0.022	2.622	4977.092	0.001
L38	64 - 60.5 (38)	TP36.73x36.084x0.863	36.532	1613.720	0.023	2.660	5091.250	0.001
L39	60.5 - 60.25 (39)	TP36.776x36.73x0.925	36.563	1729.860	0.021	2.662	5455.208	0.000
L40	60.25 - 60.083 (40)	TP36.807x36.776x0.925	36.593	1731.350	0.021	2.664	5464.592	0.000
L41	60.083 - 59.833 (41)	TP36.853x36.807x0.975	36.638	1824.740	0.020	2.667	5758.741	0.000
L42	59.833 - 59.083 (42)	TP36.991x36.853x0.975	36.779	1831.780	0.020	2.678	5803.267	0.000
L43	59.083 - 58.833 (43)	TP37.037x36.991x1.05	36.817	1971.110	0.019	2.682	6239.667	0.000
L44	58.833 - 55.4167 (44)	TP37.668x37.037x1.025	37.443	1959.240	0.019	2.734	6315.083	0.000
L45	55.4167 -	TP37.714x37.668x1.025	37.474	1961.700	0.019	2.738	6331.000	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 $\frac{T_u}{\phi T_n}$
	55.1667 (45)							
L46	55.1667 - 54.75 (46)	TP37.791x37.714x1.025	37.550	1965.820	0.019	2.744	6357.567	0.000
L47	54.75 - 54.5 (47)	TP37.837x37.791x0.825	37.591	1592.840	0.024	2.748	5185.817	0.001
L48	54.5 - 49.5 (48)	TP38.76x37.837x0.813	38.437	1608.350	0.024	2.831	5368.692	0.001
L49	49.5 - 44.5 (49)	TP39.683x38.76x0.8	39.252	1622.650	0.024	2.917	5549.942	0.001
L50	44.5 - 41.25 (50)	TP40.283x39.683x0.788	39.785	1622.460	0.025	2.955	5636.683	0.001
L51	41.25 - 41 (51)	TP40.329x40.283x0.875	39.808	1800.840	0.022	2.957	6249.875	0.000
L52	41 - 34.291 (52)	TP41.568x40.329x0.875	40.148	1817.690	0.022	2.979	6367.400	0.000
L53	34.291 - 33.291 (53)	TP40.996x39.949x1.175	41.248	2440.710	0.017	3.039	8549.167	0.000
L54	33.291 - 31.5 (54)	TP41.324x40.996x1.175	41.556	2460.840	0.017	3.057	8690.750	0.000
L55	31.5 - 31.25 (55)	TP41.37x41.324x1.175	41.569	2463.650	0.017	3.061	8710.583	0.000
L56	31.25 - 30.5 (56)	TP41.507x41.37x1.175	41.700	2472.080	0.017	3.072	8770.333	0.000
L57	30.5 - 30.25 (57)	TP41.553x41.507x1.125	41.731	2372.510	0.018	3.074	8437.083	0.000
L58	30.25 - 25.75 (58)	TP42.378x41.553x1.1	42.499	2368.570	0.018	3.129	8600.167	0.000
L59	25.75 - 25.5 (59)	TP42.424x42.378x1.05	42.524	2266.150	0.019	3.132	8247.417	0.000
L60	25.5 - 24.6667 (60)	TP42.577x42.424x1.038	42.682	2248.120	0.019	3.143	8214.483	0.000
L61	24.6667 - 24.4167 (61)	TP42.623x42.577x0.925	42.712	2011.990	0.021	3.147	7379.700	0.000
L62	24.4167 - 24 (62)	TP42.699x42.623x0.925	42.785	2015.680	0.021	3.152	7406.767	0.000
L63	24 - 23.75 (63)	TP42.745x42.699x1.025	42.823	2230.690	0.019	3.156	8186.233	0.000
L64	23.75 - 18.75 (64)	TP43.662x42.745x1.025	43.658	2279.710	0.019	3.231	8550.000	0.000
L65	18.75 - 14.083 (65)	TP44.518x43.662x1	44.357	2270.050	0.020	3.293	8689.667	0.000
L66	14.083 - 13.817 (66)	TP44.566x44.518x0.975	44.374	2217.060	0.020	3.296	8501.167	0.000
L67	13.817 - 13.667 (67)	TP44.594x44.566x0.975	44.393	2218.450	0.020	3.297	8511.917	0.000
L68	13.667 - 10.5 (68)	TP45.175x44.594x0.975	44.871	2247.990	0.020	3.317	8740.000	0.000
L69	10.5 - 10.25 (69)	TP45.22x45.175x0.9	44.887	2080.740	0.022	3.317	8111.891	0.000
L70	10.25 - 5.25 (70)	TP46.137x45.22x0.9	45.601	2123.780	0.021	3.337	8451.000	0.000
L71	5.25 - 2.9 (71)	TP46.568x46.137x0.75	45.913	1792.550	0.026	3.347	7224.517	0.000
L72	2.9 - 2.65 (72)	TP46.614x46.568x0.75	45.914	1794.340	0.026	3.348	7238.983	0.000
L73	2.65 - 2.5 (73)	TP46.642x46.614x0.75	45.930	1795.420	0.026	3.348	7247.667	0.000
L74	2.5 - 2.25 (74)	TP46.687x46.642x0.9	45.966	2149.610	0.021	3.349	8657.750	0.000
L75	2.25 - 1.917 (75)	TP46.748x46.687x0.9	46.015	2152.480	0.021	3.351	8680.833	0.000
L76	1.917 - 1.667 (76)	TP46.794x46.748x0.8	46.046	1919.400	0.024	3.352	7765.500	0.000
L77	1.667 - 0 (77)	TP47.1x46.794x0.788	46.309	1902.480	0.024	3.358	7750.283	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $P_u / \phi P_n$	Ratio $M_{ux} / \phi M_{nx}$	Ratio $M_{uy} / \phi M_{ny}$	Ratio $V_u / \phi V_n$	Ratio $T_u / \phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	160.333 - 155.333 (1)	0.009	0.046	0.000	0.043	0.003	0.057 ✔	1.050	4.8.2 ✔
L2	155.333 - 150.333 (2)	0.009	0.210	0.000	0.047	0.003	0.222 ✔	1.050	4.8.2 ✔
L3	150.333 - 146.833 (3)	0.010	0.332	0.000	0.050	0.004	0.345 ✔	1.050	4.8.2 ✔
L4	146.833 - 146.333 (4)	0.007	0.183	0.000	0.036	0.002	0.192 ✔	1.050	4.8.2 ✔
L5	146.333 - 141.333 (5)	0.011	0.274	0.000	0.048	0.002	0.287 ✔	1.050	4.8.2 ✔
L6	141.333 - 136.333 (6)	0.011	0.379	0.000	0.050	0.002	0.393 ✔	1.050	4.8.2 ✔
L7	136.333 - 131.333 (7)	0.016	0.488	0.000	0.065	0.002	0.509 ✔	1.050	4.8.2 ✔
L8	131.333 - 126.333 (8)	0.016	0.615	0.000	0.065	0.002	0.635 ✔	1.050	4.8.2 ✔
L9	126.333 - 121.333 (9)	0.016	0.732	0.000	0.065	0.002	0.753 ✔	1.050	4.8.2 ✔
L10	121.333 - 120.083 (10)	0.016	0.760	0.000	0.065	0.002	0.781 ✔	1.050	4.8.2 ✔
L11	120.083 - 119.833 (11)	0.008	0.374	0.000	0.034	0.001	0.383 ✔	1.050	4.8.2 ✔
L12	119.833 - 117.5 (12)	0.008	0.396	0.000	0.034	0.001	0.406 ✔	1.050	4.8.2 ✔
L13	117.5 - 117.25 (13)	0.008	0.389	0.000	0.033	0.001	0.398 ✔	1.050	4.8.2 ✔
L14	117.25 - 115.5 (14)	0.008	0.405	0.000	0.033	0.001	0.414 ✔	1.050	4.8.2 ✔
L15	115.5 - 115.25 (15)	0.006	0.313	0.000	0.025	0.001	0.319 ✔	1.050	4.8.2 ✔
L16	115.25 - 110.25 (16)	0.008	0.355	0.000	0.029	0.001	0.364 ✔	1.050	4.8.2 ✔
L17	110.25 - 104.083 (17)	0.008	0.380	0.000	0.029	0.001	0.388 ✔	1.050	4.8.2 ✔
L18	104.083 - 102.82 (18)	0.008	0.393	0.000	0.027	0.001	0.401 ✔	1.050	4.8.2 ✔
L19	102.82 - 100.5 (19)	0.008	0.414	0.000	0.028	0.001	0.422 ✔	1.050	4.8.2 ✔
L20	100.5 - 100.25 (20)	0.009	0.445	0.000	0.030	0.001	0.455 ✔	1.050	4.8.2 ✔
L21	100.25 - 98.5 (21)	0.009	0.465	0.000	0.030	0.001	0.475 ✔	1.050	4.8.2 ✔
L22	98.5 - 98.25 (22)	0.008	0.442	0.000	0.029	0.001	0.451 ✔	1.050	4.8.2 ✔
L23	98.25 - 93.25 (23)	0.009	0.478	0.000	0.029	0.001	0.488 ✔	1.050	4.8.2 ✔
L24	93.25 - 90.5 (24)	0.009	0.502	0.000	0.030	0.001	0.512 ✔	1.050	4.8.2 ✔

Section No.	Elevation ft	Ratio $P_u/\phi P_n$	Ratio $M_{ux}/\phi M_{nx}$	Ratio $M_{uy}/\phi M_{ny}$	Ratio $V_u/\phi V_n$	Ratio $T_u/\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L25	90.5 - 90.25 (25)	0.008	0.469	0.000	0.028	0.001	0.478 ✔	1.050	4.8.2 ✔
L26	90.25 - 85.25 (26)	0.009	0.501	0.000	0.028	0.001	0.510 ✔	1.050	4.8.2 ✔
L27	85.25 - 83.5 (27)	0.009	0.518	0.000	0.029	0.001	0.528 ✔	1.050	4.8.2 ✔
L28	83.5 - 83.25 (28)	0.007	0.385	0.000	0.021	0.001	0.393 ✔	1.050	4.8.2 ✔
L29	83.25 - 80.75 (29)	0.007	0.404	0.000	0.022	0.001	0.411 ✔	1.050	4.8.2 ✔
L30	80.75 - 80.5 (30)	0.006	0.343	0.000	0.018	0.000	0.349 ✔	1.050	4.8.2 ✔
L31	80.5 - 80.25 (31)	0.006	0.372	0.000	0.020	0.001	0.379 ✔	1.050	4.8.2 ✔
L32	80.25 - 77.5 (32)	0.007	0.384	0.000	0.020	0.001	0.391 ✔	1.050	4.8.2 ✔
L33	77.5 - 77.25 (33)	0.009	0.526	0.000	0.028	0.001	0.536 ✔	1.050	4.8.2 ✔
L34	77.25 - 68.82 (34)	0.009	0.541	0.000	0.028	0.001	0.551 ✔	1.050	4.8.2 ✔
L35	68.82 - 68.291 (35)	0.009	0.534	0.000	0.026	0.001	0.544 ✔	1.050	4.8.2 ✔
L36	68.291 - 64.25 (36)	0.010	0.555	0.000	0.026	0.001	0.565 ✔	1.050	4.8.2 ✔
L37	64.25 - 64 (37)	0.008	0.474	0.000	0.022	0.001	0.482 ✔	1.050	4.8.2 ✔
L38	64 - 60.5 (38)	0.009	0.489	0.000	0.023	0.001	0.498 ✔	1.050	4.8.2 ✔
L39	60.5 - 60.25 (39)	0.008	0.458	0.000	0.021	0.000	0.467 ✔	1.050	4.8.2 ✔
L40	60.25 - 60.083 (40)	0.008	0.459	0.000	0.021	0.000	0.467 ✔	1.050	4.8.2 ✔
L41	60.083 - 59.833 (41)	0.008	0.438	0.000	0.020	0.000	0.446 ✔	1.050	4.8.2 ✔
L42	59.833 - 59.083 (42)	0.008	0.439	0.000	0.020	0.000	0.447 ✔	1.050	4.8.2 ✔
L43	59.083 - 58.833 (43)	0.007	0.411	0.000	0.019	0.000	0.418 ✔	1.050	4.8.2 ✔
L44	58.833 - 55.4167 (44)	0.008	0.427	0.000	0.019	0.000	0.434 ✔	1.050	4.8.2 ✔
L45	55.4167 - 55.1667 (45)	0.008	0.427	0.000	0.019	0.000	0.435 ✔	1.050	4.8.2 ✔
L46	55.1667 - 54.75 (46)	0.008	0.428	0.000	0.019	0.000	0.436 ✔	1.050	4.8.2 ✔
L47	54.75 - 54.5 (47)	0.009	0.523	0.000	0.024	0.001	0.533 ✔	1.050	4.8.2 ✔
L48	54.5 - 49.5 (48)	0.010	0.542	0.000	0.024	0.001	0.552 ✔	1.050	4.8.2 ✔
L49	49.5 - 44.5 (49)	0.010	0.560	0.000	0.024	0.001	0.571 ✔	1.050	4.8.2 ✔
L50	44.5 - 41.25 (50)	0.010	0.575	0.000	0.025	0.001	0.586 ✔	1.050	4.8.2 ✔

Section No.	Elevation ft	Ratio $P_u/\phi P_n$	Ratio $M_{ux}/\phi M_{nx}$	Ratio $M_{uy}/\phi M_{ny}$	Ratio $V_u/\phi V_n$	Ratio $T_u/\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L51	41.25 - 41 (51)	0.009	0.521	0.000	0.022	0.000	0.531 ✔	1.050	4.8.2 ✔
L52	41 - 34.291 (52)	0.010	0.525	0.000	0.022	0.000	0.535 ✔	1.050	4.8.2 ✔
L53	34.291 - 33.291 (53)	0.008	0.422	0.000	0.017	0.000	0.430 ✔	1.050	4.8.2 ✔
L54	33.291 - 31.5 (54)	0.008	0.424	0.000	0.017	0.000	0.432 ✔	1.050	4.8.2 ✔
L55	31.5 - 31.25 (55)	0.008	0.425	0.000	0.017	0.000	0.433 ✔	1.050	4.8.2 ✔
L56	31.25 - 30.5 (56)	0.008	0.425	0.000	0.017	0.000	0.434 ✔	1.050	4.8.2 ✔
L57	30.5 - 30.25 (57)	0.008	0.443	0.000	0.018	0.000	0.452 ✔	1.050	4.8.2 ✔
L58	30.25 - 25.75 (58)	0.009	0.457	0.000	0.018	0.000	0.466 ✔	1.050	4.8.2 ✔
L59	25.75 - 25.5 (59)	0.009	0.477	0.000	0.019	0.000	0.487 ✔	1.050	4.8.2 ✔
L60	25.5 - 24.6667 (60)	0.009	0.484	0.000	0.019	0.000	0.493 ✔	1.050	4.8.2 ✔
L61	24.6667 - 24.4167 (61)	0.010	0.538	0.000	0.021	0.000	0.549 ✔	1.050	4.8.2 ✔
L62	24.4167 - 24 (62)	0.010	0.539	0.000	0.021	0.000	0.550 ✔	1.050	4.8.2 ✔
L63	24 - 23.75 (63)	0.009	0.490	0.000	0.019	0.000	0.500 ✔	1.050	4.8.2 ✔
L64	23.75 - 18.75 (64)	0.010	0.495	0.000	0.019	0.000	0.505 ✔	1.050	4.8.2 ✔
L65	18.75 - 14.083 (65)	0.010	0.512	0.000	0.020	0.000	0.522 ✔	1.050	4.8.2 ✔
L66	14.083 - 13.817 (66)	0.010	0.524	0.000	0.020	0.000	0.535 ✔	1.050	4.8.2 ✔
L67	13.817 - 13.667 (67)	0.010	0.524	0.000	0.020	0.000	0.535 ✔	1.050	4.8.2 ✔
L68	13.667 - 10.5 (68)	0.010	0.527	0.000	0.020	0.000	0.538 ✔	1.050	4.8.2 ✔
L69	10.5 - 10.25 (69)	0.011	0.568	0.000	0.022	0.000	0.580 ✔	1.050	4.8.2 ✔
L70	10.25 - 5.25 (70)	0.011	0.573	0.000	0.021	0.000	0.585 ✔	1.050	4.8.2 ✔
L71	5.25 - 2.9 (71)	0.014	0.684	0.000	0.026	0.000	0.698 ✔	1.050	4.8.2 ✔
L72	2.9 - 2.65 (72)	0.014	0.684	0.000	0.026	0.000	0.698 ✔	1.050	4.8.2 ✔
L73	2.65 - 2.5 (73)	0.014	0.684	0.000	0.026	0.000	0.699 ✔	1.050	4.8.2 ✔
L74	2.5 - 2.25 (74)	0.012	0.576	0.000	0.021	0.000	0.588 ✔	1.050	4.8.2 ✔
L75	2.25 - 1.917 (75)	0.012	0.576	0.000	0.021	0.000	0.588 ✔	1.050	4.8.2 ✔
L76	1.917 - 1.667 (76)	0.013	0.644	0.000	0.024	0.000	0.658 ✔	1.050	4.8.2 ✔

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
L77	1.667 - 0 (77)	0.013	0.656	0.000	0.024	0.000	0.669 ✔	1.050	4.8.2 ✔

Section Capacity Table

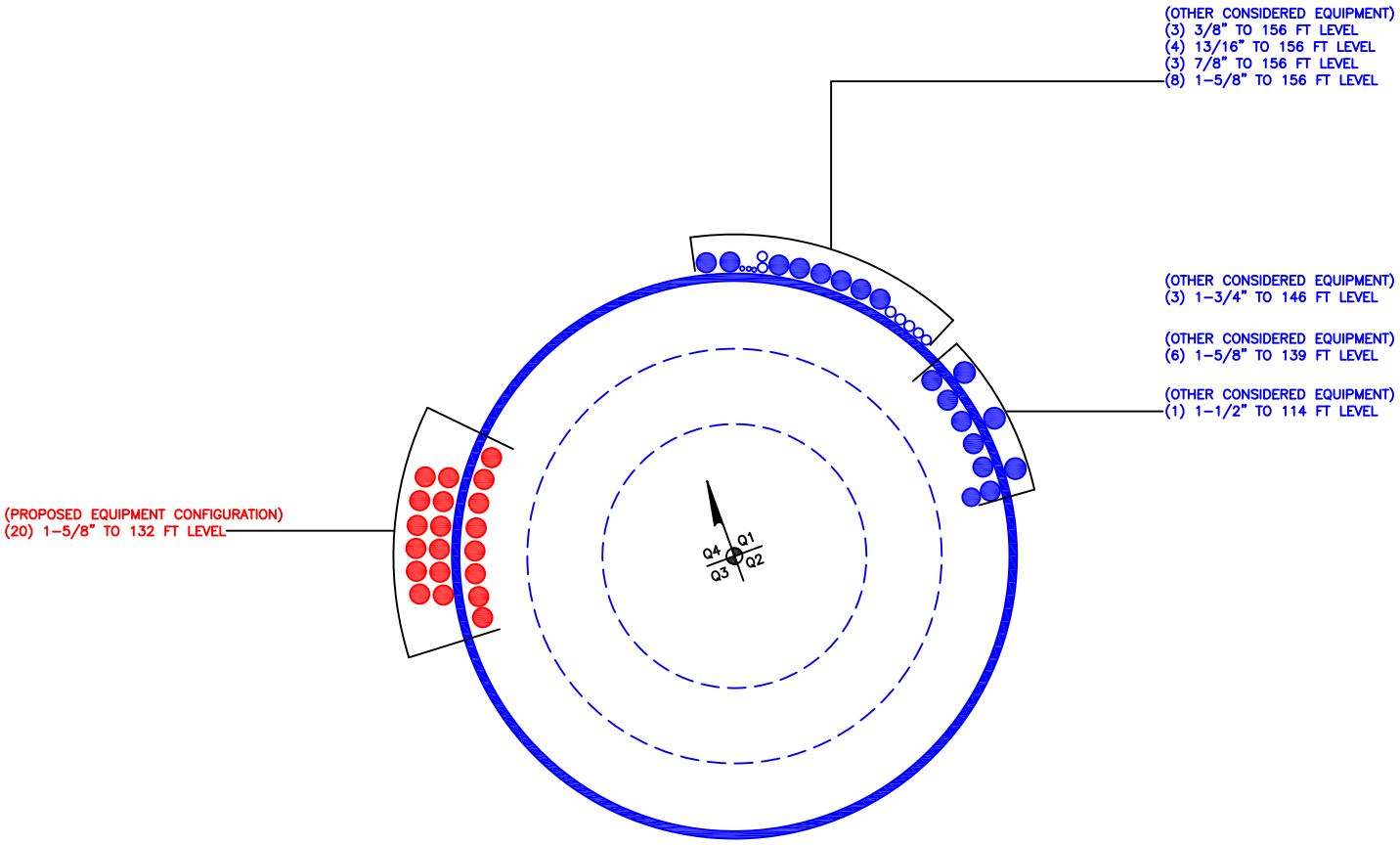
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160.333 - 155.333	Pole	TP16x16x0.375	1	-4.981	608.837	**	**
L2	155.333 - 150.333	Pole	TP16x16x0.375	2	-5.421	608.837	**	**
L3	150.333 - 146.833	Pole	TP16x16x0.375	3	-5.740	608.837	**	**
L4	146.833 - 146.333	Pole	TP22x22x0.375	4	-5.800	842.630	**	**
L5	146.333 - 141.333	Pole	TP22.924x22x0.25	5	-10.776	1034.922	**	**
L6	141.333 - 136.333	Pole	TP23.848x22.924x0.25	6	-11.585	1077.100	**	**
L7	136.333 - 131.333	Pole	TP24.772x23.848x0.25	7	-16.562	1119.268	**	**
L8	131.333 - 126.333	Pole	TP25.696x24.772x0.25	8	-17.364	1161.447	**	**
L9	126.333 - 121.333	Pole	TP26.62x25.696x0.25	9	-18.210	1203.625	**	**
L10	121.333 - 120.083	Pole	TP26.851x26.62x0.25	10	-18.423	1214.167	**	**
L11	120.083 - 119.833	Pole	TP26.897x26.851x0.488	11	-18.499	2350.603	**	**
L12	119.833 - 117.5	Pole	TP27.328x26.897x0.488	12	-19.038	2388.981	**	**
L13	117.5 - 117.25	Pole	TP27.375x27.328x0.5	13	-19.110	2453.304	**	**
L14	117.25 - 115.5	Pole	TP27.698x27.375x0.5	14	-19.542	2482.830	**	**
L15	115.5 - 115.25	Pole	TP27.744x27.698x0.663	15	-19.628	3275.685	**	**
L16	115.25 - 110.25	Pole	TP28.668x27.744x0.65	16	-23.812	3325.024	**	**
L17	110.25 - 104.083	Pole	TP29.808x28.668x0.638	17	-24.539	3314.797	**	**
L18	104.083 - 102.82	Pole	TP29.541x28.617x0.7	18	-26.965	3685.888	**	**
L19	102.82 - 100.5	Pole	TP29.969x29.541x0.688	19	-27.732	3675.409	**	**
L20	100.5 - 100.25	Pole	TP30.015x29.969x0.638	20	-27.822	3419.304	**	**
L21	100.25 - 98.5	Pole	TP30.338x30.015x0.625	21	-28.373	3390.555	**	**
L22	98.5 - 98.25	Pole	TP30.385x30.338x0.663	22	-28.476	3595.042	**	**
L23	98.25 - 93.25	Pole	TP31.308x30.385x0.65	23	-30.167	3638.260	**	**
L24	93.25 - 90.5	Pole	TP31.816x31.308x0.638	24	-31.113	3628.852	**	**
L25	90.5 - 90.25	Pole	TP31.862x31.816x0.688	25	-31.224	3912.982	**	**
L26	90.25 - 85.25	Pole	TP32.785x31.862x0.675	26	-33.144	3957.166	**	**
L27	85.25 - 83.5	Pole	TP33.108x32.785x0.663	27	-33.818	3924.480	**	**
L28	83.5 - 83.25	Pole	TP33.154x33.108x0.913	28	-33.954	5371.464	**	**
L29	83.25 - 80.75	Pole	TP33.616x33.154x0.888	29	-35.094	5303.151	**	**
L30	80.75 - 80.5	Pole	TP33.662x33.616x1.063	30	-35.231	6323.845	**	**
L31	80.5 - 80.25	Pole	TP33.708x33.662x0.975	31	-35.355	5826.859	**	**
L32	80.25 - 77.5	Pole	TP34.216x33.708x0.963	32	-36.708	5843.586	**	**
L33	77.5 - 77.25	Pole	TP34.262x34.216x0.688	33	-36.827	4214.301	**	**
L34	77.25 - 68.82	Pole	TP35.819x34.262x0.688	34	-38.530	4306.060	**	**
L35	68.82 - 68.291	Pole	TP35.291x34.368x0.75	35	-42.360	4729.777	**	**
L36	68.291 - 64.25	Pole	TP36.037x35.291x0.738	36	-44.251	4753.077	**	**
L37	64.25 - 64	Pole	TP36.084x36.037x0.875	37	-44.388	5624.650	**	**
L38	64 - 60.5	Pole	TP36.73x36.084x0.863	38	-46.129	5648.013	**	**
L39	60.5 - 60.25	Pole	TP36.776x36.73x0.925	39	-46.273	6054.520	**	**
L40	60.25 - 60.083	Pole	TP36.807x36.776x0.925	40	-46.363	6059.728	**	**
L41	60.083 - 59.833	Pole	TP36.853x36.807x0.975	41	-46.498	6386.593	**	**
L42	59.833 - 59.083	Pole	TP36.991x36.853x0.975	42	-46.902	6411.247	**	**
L43	59.083 - 58.833	Pole	TP37.037x36.991x1.05	43	-47.053	6898.888	**	**
L44	58.833 - 55.4167	Pole	TP37.668x37.037x1.025	44	-49.021	6857.329	**	**
L45	55.4167 - 55.1667	Pole	TP37.714x37.668x1.025	45	-49.177	6865.960	**	**
L46	55.1667 - 54.75	Pole	TP37.791x37.714x1.025	46	-49.419	6880.356	**	**

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	øP$_{allow}$ K	% Capacity	Pass Fail
L47	54.75 - 54.5	Pole	TP37.837x37.791x0.825	47	-49.549	5574.922	**	**
L48	54.5 - 49.5	Pole	TP38.76x37.837x0.813	48	-52.123	5629.239	**	**
L49	49.5 - 44.5	Pole	TP39.683x38.76x0.8	49	-54.738	5679.271	**	**
L50	44.5 - 41.25	Pole	TP40.283x39.683x0.788	50	-56.457	5678.589	**	**
L51	41.25 - 41	Pole	TP40.329x40.283x0.875	51	-56.613	6302.940	**	**
L52	41 - 34.291	Pole	TP41.568x40.329x0.875	52	-57.750	6361.929	**	**
L53	34.291 - 33.291	Pole	TP40.996x39.949x1.175	53	-63.781	8542.474	**	**
L54	33.291 - 31.5	Pole	TP41.324x40.996x1.175	54	-64.976	8612.929	**	**
L55	31.5 - 31.25	Pole	TP41.37x41.324x1.175	55	-65.163	8622.768	**	**
L56	31.25 - 30.5	Pole	TP41.507x41.37x1.175	56	-65.668	8652.262	**	**
L57	30.5 - 30.25	Pole	TP41.553x41.507x1.125	57	-65.841	8303.767	**	**
L58	30.25 - 25.75	Pole	TP42.378x41.553x1.1	58	-68.839	8289.981	**	**
L59	25.75 - 25.5	Pole	TP42.424x42.378x1.05	59	-69.013	7931.532	**	**
L60	25.5 - 24.6667	Pole	TP42.577x42.424x1.038	60	-69.551	7868.427	**	**
L61	24.6667 - 24.4167	Pole	TP42.623x42.577x0.925	61	-69.701	7041.961	**	**
L62	24.4167 - 24	Pole	TP42.699x42.623x0.925	62	-69.937	7054.866	**	**
L63	24 - 23.75	Pole	TP42.745x42.699x1.025	63	-70.089	7807.422	**	**
L64	23.75 - 18.75	Pole	TP43.662x42.745x1.025	64	-73.060	7978.992	**	**
L65	18.75 - 14.083	Pole	TP44.518x43.662x1	65	-75.869	7945.192	**	**
L66	14.083 - 13.817	Pole	TP44.566x44.518x0.975	66	-76.046	7759.689	**	**
L67	13.817 - 13.667	Pole	TP44.594x44.566x0.975	67	-76.141	7764.592	**	**
L68	13.667 - 10.5	Pole	TP45.175x44.594x0.975	68	-78.089	7867.965	**	**
L69	10.5 - 10.25	Pole	TP45.22x45.175x0.9	69	-78.252	7282.590	**	**
L70	10.25 - 5.25	Pole	TP46.137x45.22x0.9	70	-81.271	7433.244	**	**
L71	5.25 - 2.9	Pole	TP46.568x46.137x0.75	71	-82.551	6273.918	**	**
L72	2.9 - 2.65	Pole	TP46.614x46.568x0.75	72	-82.705	6280.186	**	**
L73	2.65 - 2.5	Pole	TP46.642x46.614x0.75	73	-82.789	6283.956	**	**
L74	2.5 - 2.25	Pole	TP46.687x46.642x0.9	74	-82.932	7523.638	**	**
L75	2.25 - 1.917	Pole	TP46.748x46.687x0.9	75	-83.122	7533.666	**	**
L76	1.917 - 1.667	Pole	TP46.794x46.748x0.8	76	-83.260	6717.900	**	**
L77	1.667 - 0	Pole	TP47.1x46.794x0.788	77	-84.145	6658.669	**	**
							Summary	
						Pole	**	**
						RATING =	**	**

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

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 876334

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 876334

Work Order: 2246158

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	160.333	13.5	0	0	16	16	0.375		A53-B-35
2	146.833	0.5	0	0	22.00	22	0.375		A53-B-35
3	146.333	42.25	3.737	12	22.00	29.808	0.25	Auto	A607-60
4	107.82	39	4.471	12	28.62	35.819	0.3125	Auto	A607-60
5	73.291	39	4.709	12	34.37	41.568	0.375	Auto	A607-60
6	39	39	0	12	39.95	47.1	0.375	Auto	A607-60

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
1	1.917	14.083	channel	MP3-04 (1.1875in)	2						E1		E1				
2	2.917	30.5	channel	MP3-05 (1.1875in)	2			E1								E1	
3	30.5	59.083	channel	MP3-04 (1.1875in)	2			E1								E1	
4	13.917	31.5	channel	MP3-05 (1.1875in)	1							E1					
5	31.5	60.083	channel	MP3-04 (1.1875in)	1							E1					
6	2.5	30.5	plate	MS-600 (1.1875")	3		E2			E2				E2			
7	30.5	60.5	plate	MS-650 (1.1875")	3		E2			E2				E2			
8	60.5	80.5	plate	MS-600 (1.1875")	3		E2			E2				E2			
9	80.5	98.5	plate	MS-600 (1.1875")	2					E2				E2			
10	80.5	100.5	plate	MS-650 (1.1875")	1		E2										
11	100.5	117.5	plate	CCI-SFP-045100	1				E3								
12	98.5	115.5	plate	CCI-SFP-045100	2								E3				E3
13	3	10.5	plate	CCI-AFP-060100	1												E4
14	10.5	41.25	plate	CCI-AFP-085125	1												E4
15	64.25	80.75	plate	CCI-AFP-085125	1												E4
16	24.6667	55.41667	plate	CCI-AFP-085125	2						E5				E5		
17	55.41667	90.5	plate	CCI-AFP-085125	2						E5				E5		
18	90.5	120.083	plate	CCI-AFP-060100	2						E5				E5		
19	100.5	120.083	plate	CCI-AFP-060100	1		E5										
20	25.75	35.25	plate	MS-650 (1.1875")	3	E2			E2				E2				
21	54.75	64.25	plate	MS-600 (1.1875")	3	E2			E2				E2				
22	77.5	83.5	plate	MS-600 (1.1875")	3	E2			E2				E2				
23	0	24	plate	TS-5.875x 1.25	4		-5.5	-5.5			-5.5				-5.5		
24	0	2.5	plate	ARB-5.875X1.25	4	E4			E4			E4			E4		
25	24	25.75	plate	TS-5.875x 1.25	3		-5.5				-5.5				-5.5		
26																	

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 (in2)	Bolt Hole Size (in)	Reinforcement Material
1	4.78	1.61	4.13	0.61	PC 8.8 - M20 (100)	17	PC 8.8 - M20 (100)	17.000	18.000	3.593	1.1875	A572-65
2	5.33	2.09	5.65	0.79	PC 8.8 - M20 (100)	29	PC 8.8 - M20 (100)	29.000	18.000	5.025	1.1875	A572-65
3	4.78	1.61	4.13	0.61	PC 8.8 - M20 (100)	17	PC 8.8 - M20 (100)	17.000	18.000	3.593	1.1875	A572-65
4	5.33	2.09	5.65	0.79	PC 8.8 - M20 (100)	29	PC 8.8 - M20 (100)	29.000	18.000	5.025	1.1875	A572-65
5	4.78	1.61	4.13	0.61	PC 8.8 - M20 (100)	17	PC 8.8 - M20 (100)	17.000	18.000	3.593	1.1875	A572-65
6	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
7	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.563	1.1875	A572-65
8	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	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	16.375	4.750	1.1875	A572-65
10	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.563	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	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
14	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	51	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
15	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	51	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
16	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	51	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
17	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	51	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
18	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
19	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
20	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.563	1.1875	A572-65
21	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
22	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
23	1.25	5.125	6.40625	3.3125	Welded	n/a	Welded	n/a	0.750	6.406	0.0000	A572-65
24	1.25	5.125	6.40625	3.3125	Welded	n/a	Welded	n/a	0.750	6.406	0.0000	A572-65
25	1.25	5.125	6.40625	3.3125	Welded	n/a	Welded	n/a	0.750	6.406	0.0000	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
TS-5.875x 1.25	Top	-	-	-	-	70	None	-	-	-	-	342	0.250	-
	Bottom	-	-	-	-	70	CJP Groove	10.25	0.625	45	0.5	-	-	-
ARB-5.875X1.25	Top	-	-	-	-	70	None	-	-	-	-	342	0.250	-
	Bottom	-	-	-	-	70	CJP Groove	10.25	0.625	45	0.5	-	-	-

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	160.333 - 155.333	5		0	16.000	16.000	0.375	A53-B-35	1.000
2	155.333 - 150.333	5		0	16.000	16.000	0.375	A53-B-35	1.000
3	150.333 - 146.833	3.5	0	0	16.000	16.000	0.375	A53-B-35	1.000
4	146.833 - 146.333	0.5	0	0	22.000	22.000	0.375	A53-B-35	1.000
5	146.333 - 141.333	5		12	22.000	22.924	0.25	A607-60	1.000
6	141.333 - 136.333	5		12	22.924	23.848	0.25	A607-60	1.000
7	136.333 - 131.333	5		12	23.848	24.772	0.25	A607-60	1.000
8	131.333 - 126.333	5		12	24.772	25.696	0.25	A607-60	1.000
9	126.333 - 121.333	5		12	25.696	26.620	0.25	A607-60	1.000
10	121.333 - 120.083	1.25		12	26.620	26.851	0.25	A607-60	1.000
11	120.083 - 119.833	0.25		12	26.851	26.897	0.4875	A607-60	0.952
12	119.833 - 117.5	2.333		12	26.897	27.328	0.4875	A607-60	0.945
13	117.5 - 117.25	0.25		12	27.328	27.375	0.5	A607-60	1.025
14	117.25 - 115.5	1.75		12	27.375	27.698	0.5	A607-60	1.019
15	115.5 - 115.25	0.25		12	27.698	27.744	0.6625	A607-60	0.929
16	115.25 - 110.25	5		12	27.744	28.668	0.65	A607-60	0.928
17	110.25 - 107.82	6.167	3.737	12	28.668	29.808	0.6375	A607-60	0.937
18	107.82 - 102.82	5		12	28.617	29.541	0.7	A607-60	0.938
19	102.82 - 100.5	2.32		12	29.541	29.969	0.6875	A607-60	0.947
20	100.5 - 100.25	0.25		12	29.969	30.015	0.6375	A607-60	0.979
21	100.25 - 98.5	1.75		12	30.015	30.338	0.625	A607-60	0.993
22	98.5 - 98.25	0.25		12	30.338	30.385	0.6625	A607-60	0.985
23	98.25 - 93.25	5		12	30.385	31.308	0.65	A607-60	0.987
24	93.25 - 90.5	2.75		12	31.308	31.816	0.6375	A607-60	0.998
25	90.5 - 90.25	0.25		12	31.816	31.862	0.6875	A607-60	1.060
26	90.25 - 85.25	5		12	31.862	32.785	0.675	A607-60	1.062
27	85.25 - 83.5	1.75		12	32.785	33.108	0.6625	A607-60	1.075
28	83.5 - 83.25	0.25		12	33.108	33.154	0.9125	A607-60	0.976
29	83.25 - 80.75	2.5		12	33.154	33.616	0.8875	A607-60	0.994
30	80.75 - 80.5	0.25		12	33.616	33.662	1.0625	A607-60	0.929
31	80.5 - 80.25	0.25		12	33.662	33.708	0.975	A607-60	0.988
32	80.25 - 77.5	2.75		12	33.708	34.216	0.9625	A607-60	0.991
33	77.5 - 77.25	0.25		12	34.216	34.262	0.6875	A607-60	1.132
34	77.25 - 73.291	8.43	4.471	12	34.262	35.819	0.6875	A607-60	1.117
35	73.291 - 68.291	5		12	34.368	35.291	0.75	A607-60	1.104
36	68.291 - 64.25	4.041		12	35.291	36.037	0.7375	A607-60	1.110
37	64.25 - 64	0.25		12	36.037	36.084	0.875	A607-60	1.013
38	64 - 60.5	3.5		12	36.084	36.730	0.8625	A607-60	1.016
39	60.5 - 60.25	0.25		12	36.730	36.776	0.925	A607-60	1.008
40	60.25 - 60.083	0.167		12	36.776	36.807	0.925	A607-60	1.008
41	60.083 - 59.833	0.25		12	36.807	36.853	0.975	A607-60	0.993
42	59.833 - 59.083	0.75		12	36.853	36.991	0.975	A607-60	0.991
43	59.083 - 58.833	0.25		12	36.991	37.037	1.05	A607-60	0.989
44	58.833 - 55.41667	3.41633		12	37.037	37.668	1.025	A607-60	1.002
45	55.41667 - 55.16667	0.25		12	37.668	37.714	1.025	A607-60	1.001
46	55.16667 - 54.75	0.41667		12	37.714	37.791	1.025	A607-60	1.000
47	54.75 - 54.5	0.25		12	37.791	37.837	0.825	A607-60	1.051
48	54.5 - 49.5	5		12	37.837	38.760	0.8125	A607-60	1.052
49	49.5 - 44.5	5		12	38.760	39.683	0.8	A607-60	1.054
50	44.5 - 41.25	3.25		12	39.683	40.283	0.7875	A607-60	1.061
51	41.25 - 41	0.25		12	40.283	40.329	0.875	A607-60	1.052
52	41 - 39	6.709	4.709	12	40.329	41.568	0.875	A607-60	1.047
53	39 - 33.291	5.709		12	39.949	40.996	1.175	A607-60	0.944
54	33.291 - 31.5	1.791		12	40.996	41.324	1.175	A607-60	0.939
55	31.5 - 31.25	0.25		12	41.324	41.370	1.175	A607-60	0.948
56	31.25 - 30.5	0.75		12	41.370	41.507	1.175	A607-60	0.946
57	30.5 - 30.25	0.25		12	41.507	41.553	1.125	A607-60	0.963
58	30.25 - 25.75	4.5		12	41.553	42.378	1.1	A607-60	0.972
59	25.75 - 25.5	0.25		12	42.378	42.424	1.05	A607-60	0.979
60	25.5 - 24.6667	0.8333		12	42.424	42.577	1.0375	A607-60	0.988
61	24.6667 - 24.4167	0.25		12	42.577	42.623	0.925	A607-60	0.933
62	24.4167 - 24	0.4167		12	42.623	42.699	0.925	A607-60	0.932
63	24 - 23.75	0.25		12	42.699	42.745	1.025	A607-60	0.889
64	23.75 - 18.75	5		12	42.745	43.662	1.025	A607-60	0.878
65	18.75 - 14.083	4.667		12	43.662	44.518	1	A607-60	0.889
66	14.083 - 13.817	0.266		12	44.518	44.566	0.975	A607-60	0.930
67	13.817 - 13.667	0.15		12	44.566	44.594	0.975	A607-60	0.930
68	13.667 - 10.5	3.167		12	44.594	45.175	0.975	A607-60	0.923
69	10.5 - 10.25	0.25		12	45.175	45.220	0.9	A607-60	0.961
70	10.25 - 5.25	5		12	45.220	46.137	0.9	A607-60	0.950
71	5.25 - 2.9	2.35		12	46.137	46.568	0.75	A607-60	0.974
72	2.9 - 2.65	0.25		12	46.568	46.614	0.75	A607-60	0.973
73	2.65 - 2.5	0.15		12	46.614	46.642	0.75	A607-60	0.973
74	2.5 - 2.25	0.25		12	46.642	46.687	0.9	A607-60	0.871
75	2.25 - 1.917	0.333		12	46.687	46.748	0.9	A607-60	0.870
76	1.917 - 1.667	0.25		12	46.748	46.794	0.8	A607-60	0.906
77	1.667 - 0	1.667		12	46.794	47.100	0.7875	A607-60	0.917

TNX Section Forces

Increment (ft): 5

	Section Height (ft)	TNX Output P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	160.333 - 155.333	4.98	11.08	7.54
2	155.333 - 150.333	5.42	50.43	8.18
3	150.333 - 146.833	5.74	79.84	8.61
4	146.833 - 146.333	5.80	84.17	8.69
5	146.333 - 141.333	10.78	153.77	14.09
6	141.333 - 136.333	11.59	227.53	15.36
7	136.333 - 131.333	16.56	312.62	20.78
8	131.333 - 126.333	17.36	418.38	21.55
9	126.333 - 121.333	18.21	527.99	22.32
10	121.333 - 120.083	18.42	556.00	22.52
11	120.083 - 119.833	18.50	561.63	22.55
12	119.833 - 117.5	19.04	614.71	22.98
13	117.5 - 117.25	19.11	620.46	23.02
14	117.25 - 115.5	19.54	661.00	23.34
15	115.5 - 115.25	19.63	666.84	23.38
16	115.25 - 110.25	23.81	797.34	27.18
17	110.25 - 107.82	24.54	863.89	27.63
18	107.82 - 102.82	26.97	1004.61	28.66
19	102.82 - 100.5	27.73	1071.56	29.09
20	100.5 - 100.25	27.82	1078.84	29.13
21	100.25 - 98.5	28.37	1130.07	29.46
22	98.5 - 98.25	28.48	1137.43	29.49
23	98.25 - 93.25	30.17	1287.03	30.38
24	93.25 - 90.5	31.11	1371.19	30.87
25	90.5 - 90.25	31.22	1378.91	30.90
26	90.25 - 85.25	33.14	1535.60	31.81
27	85.25 - 83.5	33.82	1591.51	32.14
28	83.5 - 83.25	33.95	1599.54	32.17
29	83.25 - 80.75	35.09	1680.54	32.66
30	80.75 - 80.5	35.23	1688.71	32.70
31	80.5 - 80.25	35.35	1696.89	32.75
32	80.25 - 77.5	36.71	1787.67	33.30
33	77.5 - 77.25	36.83	1796.00	33.34
34	77.25 - 73.291	38.53	1929.37	34.07
35	73.291 - 68.291	42.36	2102.32	35.13
36	68.291 - 64.25	44.25	2245.65	35.85
37	64.25 - 64	44.39	2254.62	35.88
38	64 - 60.5	46.13	2381.28	36.53
39	60.5 - 60.25	46.27	2390.42	36.56
40	60.25 - 60.083	46.36	2396.52	36.59
41	60.083 - 59.833	46.50	2405.67	36.64
42	59.833 - 59.083	46.90	2433.19	36.78
43	59.083 - 58.833	47.05	2442.39	36.82
44	58.833 - 55.41667	49.02	2569.18	37.44
45	55.41667 - 55.16667	49.18	2578.54	37.47
46	55.16667 - 54.75	49.42	2594.17	37.55
47	54.75 - 54.5	49.55	2603.56	37.59
48	54.5 - 49.5	52.12	2793.53	38.44
49	49.5 - 44.5	54.74	2987.62	39.25
50	44.5 - 41.25	56.46	3115.96	39.79
51	41.25 - 41	56.61	3125.91	39.81
52	41 - 39	57.75	3205.83	40.15
53	39 - 33.291	63.78	3438.11	41.25
54	33.291 - 31.5	64.98	3512.21	41.56
55	31.5 - 31.25	65.16	3522.59	41.57
56	31.25 - 30.5	65.67	3553.80	41.70
57	30.5 - 30.25	65.84	3564.23	41.73
58	30.25 - 25.75	68.84	3753.65	42.50
59	25.75 - 25.5	69.01	3764.28	42.52
60	25.5 - 24.6667	69.55	3799.76	42.68
61	24.6667 - 24.4167	69.70	3810.43	42.71
62	24.4167 - 24	69.94	3828.24	42.78
63	24 - 23.75	70.09	3838.94	42.82
64	23.75 - 18.75	73.06	4055.03	43.66
65	18.75 - 14.083	75.87	4260.27	44.36
66	14.083 - 13.817	76.05	4272.06	44.37
67	13.817 - 13.667	76.14	4278.72	44.39
68	13.667 - 10.5	78.09	4420.00	44.87
69	10.5 - 10.25	78.25	4431.21	44.89
70	10.25 - 5.25	81.27	4657.31	45.60
71	5.25 - 2.9	82.55	4764.75	45.91
72	2.9 - 2.65	82.71	4776.22	45.91
73	2.65 - 2.5	82.79	4783.10	45.93
74	2.5 - 2.25	82.93	4794.59	45.97
75	2.25 - 1.917	83.12	4809.90	46.01
76	1.917 - 1.667	83.26	4821.40	46.05
77	1.667 - 0	84.15	4898.32	46.31

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160.33 - 155.33	Pole	TP16x16x0.375	Pole	5.4%	Pass
155.33 - 150.33	Pole	TP16x16x0.375	Pole	21.1%	Pass
150.33 - 146.83	Pole	TP16x16x0.375	Pole	32.8%	Pass
146.83 - 146.33	Pole	TP22x22x0.375	Pole	18.2%	Pass
146.33 - 141.33	Pole	TP22.924x22x0.25	Pole	27.3%	Pass
141.33 - 136.33	Pole	TP23.848x22.924x0.25	Pole	37.3%	Pass
136.33 - 131.33	Pole	TP24.772x23.848x0.25	Pole	48.3%	Pass
131.33 - 126.33	Pole	TP25.696x24.772x0.25	Pole	60.3%	Pass
126.33 - 121.33	Pole	TP26.62x25.696x0.25	Pole	71.5%	Pass
121.33 - 120.08	Pole	TP26.851x26.62x0.25	Pole	74.1%	Pass
120.08 - 119.83	Pole + Reinf.	TP26.897x26.851x0.4875	Reinf. 18 Tension Rupture	51.5%	Pass
119.83 - 117.5	Pole + Reinf.	TP27.328x26.897x0.4875	Reinf. 18 Tension Rupture	55.0%	Pass
117.5 - 117.25	Pole + Reinf.	TP27.375x27.328x0.5	Reinf. 19 Tension Rupture	51.2%	Pass
117.25 - 115.5	Pole + Reinf.	TP27.698x27.375x0.5	Reinf. 19 Tension Rupture	53.6%	Pass
115.5 - 115.25	Pole + Reinf.	TP27.744x27.698x0.6625	Reinf. 11 Tension Rupture	47.3%	Pass
115.25 - 110.25	Pole + Reinf.	TP28.668x27.744x0.65	Reinf. 11 Tension Rupture	54.1%	Pass
110.25 - 107.82	Pole + Reinf.	TP29.808x28.668x0.6375	Reinf. 11 Tension Rupture	57.3%	Pass
107.82 - 102.82	Pole + Reinf.	TP29.541x28.617x0.7	Reinf. 11 Tension Rupture	59.3%	Pass
102.82 - 100.5	Pole + Reinf.	TP29.969x29.541x0.6875	Reinf. 11 Tension Rupture	61.9%	Pass
100.5 - 100.25	Pole + Reinf.	TP30.015x29.969x0.6375	Reinf. 18 Tension Rupture	63.3%	Pass
100.25 - 98.5	Pole + Reinf.	TP30.338x30.015x0.625	Reinf. 18 Tension Rupture	65.2%	Pass
98.5 - 98.25	Pole + Reinf.	TP30.385x30.338x0.6625	Reinf. 10 Tension Rupture	62.4%	Pass
98.25 - 93.25	Pole + Reinf.	TP31.308x30.385x0.65	Reinf. 10 Tension Rupture	67.5%	Pass
93.25 - 90.5	Pole + Reinf.	TP31.816x31.308x0.6375	Reinf. 10 Tension Rupture	70.1%	Pass
90.5 - 90.25	Pole + Reinf.	TP31.862x31.816x0.6875	Reinf. 10 Tension Rupture	69.2%	Pass
90.25 - 85.25	Pole + Reinf.	TP32.785x31.862x0.675	Reinf. 10 Tension Rupture	73.8%	Pass
85.25 - 83.5	Pole + Reinf.	TP33.108x32.785x0.6625	Reinf. 10 Tension Rupture	75.3%	Pass
83.5 - 83.25	Pole + Reinf.	TP33.154x33.108x0.9125	Reinf. 22 Tension Rupture	57.1%	Pass
83.25 - 80.75	Pole + Reinf.	TP33.616x33.154x0.8875	Reinf. 22 Tension Rupture	58.9%	Pass
80.75 - 80.5	Pole + Reinf.	TP33.662x33.616x1.0625	Reinf. 22 Tension Rupture	48.4%	Pass
80.5 - 80.25	Pole + Reinf.	TP33.708x33.662x0.975	Reinf. 8 Tension Rupture	52.1%	Pass
80.25 - 77.5	Pole + Reinf.	TP34.216x33.708x0.9625	Reinf. 8 Tension Rupture	53.9%	Pass
77.5 - 77.25	Pole + Reinf.	TP34.262x34.216x0.6875	Reinf. 8 Tension Rupture	75.3%	Pass
77.25 - 73.29	Pole + Reinf.	TP35.819x34.262x0.6875	Reinf. 8 Tension Rupture	78.5%	Pass
73.29 - 68.29	Pole + Reinf.	TP35.291x34.368x0.75	Reinf. 8 Tension Rupture	77.0%	Pass
68.29 - 64.25	Pole + Reinf.	TP36.037x35.291x0.7375	Reinf. 8 Tension Rupture	79.6%	Pass
64.25 - 64	Pole + Reinf.	TP36.084x36.037x0.875	Reinf. 21 Tension Rupture	70.2%	Pass
64 - 60.5	Pole + Reinf.	TP36.73x36.084x0.8625	Reinf. 21 Tension Rupture	72.2%	Pass
60.5 - 60.25	Pole + Reinf.	TP36.776x36.73x0.925	Reinf. 21 Tension Rupture	68.2%	Pass
60.25 - 60.08	Pole + Reinf.	TP36.807x36.776x0.925	Reinf. 21 Tension Rupture	68.3%	Pass
60.08 - 59.83	Pole + Reinf.	TP36.853x36.807x0.975	Reinf. 21 Tension Rupture	66.1%	Pass
59.83 - 59.08	Pole + Reinf.	TP36.991x36.853x0.975	Reinf. 21 Tension Rupture	66.5%	Pass
59.08 - 58.83	Pole + Reinf.	TP37.037x36.991x1.05	Reinf. 21 Tension Rupture	60.6%	Pass
58.83 - 55.42	Pole + Reinf.	TP37.668x37.037x1.025	Reinf. 21 Tension Rupture	62.2%	Pass
55.42 - 55.17	Pole + Reinf.	TP37.714x37.668x1.025	Reinf. 21 Tension Rupture	62.3%	Pass
55.17 - 54.75	Pole + Reinf.	TP37.791x37.714x1.025	Reinf. 21 Tension Rupture	62.5%	Pass
54.75 - 54.5	Pole + Reinf.	TP37.837x37.791x0.825	Reinf. 7 Tension Rupture	75.9%	Pass
54.5 - 49.5	Pole + Reinf.	TP38.76x37.837x0.8125	Reinf. 7 Tension Rupture	78.5%	Pass
49.5 - 44.5	Pole + Reinf.	TP39.683x38.76x0.8	Reinf. 7 Tension Rupture	81.0%	Pass
44.5 - 41.25	Pole + Reinf.	TP40.283x39.683x0.7875	Reinf. 7 Tension Rupture	82.6%	Pass
41.25 - 41	Pole + Reinf.	TP40.329x40.283x0.875	Reinf. 7 Tension Rupture	72.5%	Pass
41 - 39	Pole + Reinf.	TP41.568x40.329x0.875	Reinf. 7 Tension Rupture	73.4%	Pass
39 - 33.29	Pole + Reinf.	TP40.996x39.949x1.175	Reinf. 7 Tension Rupture	57.5%	Pass
33.29 - 31.5	Pole + Reinf.	TP41.324x40.996x1.175	Reinf. 7 Tension Rupture	58.2%	Pass
31.5 - 31.25	Pole + Reinf.	TP41.37x41.324x1.175	Reinf. 7 Tension Rupture	57.9%	Pass
31.25 - 30.5	Pole + Reinf.	TP41.507x41.37x1.175	Reinf. 7 Tension Rupture	58.1%	Pass
30.5 - 30.25	Pole + Reinf.	TP41.553x41.507x1.125	Reinf. 6 Tension Rupture	61.0%	Pass
30.25 - 25.75	Pole + Reinf.	TP42.378x41.553x1.1	Reinf. 6 Tension Rupture	62.6%	Pass
25.75 - 25.5	Pole + Reinf.	TP42.424x42.378x1.05	Reinf. 6 Tension Rupture	67.8%	Pass
25.5 - 24.67	Pole + Reinf.	TP42.577x42.424x1.0375	Reinf. 6 Tension Rupture	68.1%	Pass
24.67 - 24.42	Pole + Reinf.	TP42.623x42.577x0.925	Reinf. 6 Tension Rupture	74.8%	Pass
24.42 - 24	Pole + Reinf.	TP42.699x42.623x0.925	Reinf. 6 Tension Rupture	75.0%	Pass
24 - 23.75	Pole + Reinf.	TP42.745x42.699x1.025	Reinf. 6 Tension Rupture	70.7%	Pass
23.75 - 18.75	Pole + Reinf.	TP43.662x42.745x1.025	Reinf. 6 Tension Rupture	72.6%	Pass
18.75 - 14.08	Pole + Reinf.	TP44.518x43.662x1	Reinf. 6 Tension Rupture	74.3%	Pass
14.08 - 13.82	Pole + Reinf.	TP44.566x44.518x0.975	Reinf. 1 Tension Rupture	72.8%	Pass
13.82 - 13.67	Pole + Reinf.	TP44.594x44.566x0.975	Reinf. 1 Tension Rupture	72.8%	Pass
13.67 - 10.5	Pole + Reinf.	TP45.175x44.594x0.975	Reinf. 1 Tension Rupture	73.9%	Pass
10.5 - 10.25	Pole + Reinf.	TP45.22x45.175x0.9	Reinf. 13 Tension Rupture	76.5%	Pass
10.25 - 5.25	Pole + Reinf.	TP46.137x45.22x0.9	Reinf. 13 Tension Rupture	78.2%	Pass
5.25 - 2.9	Pole + Reinf.	TP46.568x46.137x0.75	Reinf. 23 Compression	90.4%	Pass
2.9 - 2.65	Pole + Reinf.	TP46.614x46.568x0.75	Reinf. 23 Compression	90.5%	Pass
2.65 - 2.5	Pole + Reinf.	TP46.642x46.614x0.75	Reinf. 23 Compression	90.5%	Pass
2.5 - 2.25	Pole + Reinf.	TP46.687x46.642x0.9	Reinf. 23 Compression	76.5%	Pass
2.25 - 1.92	Pole + Reinf.	TP46.748x46.687x0.9	Reinf. 23 Compression	76.5%	Pass
1.92 - 1.67	Pole + Reinf.	TP46.794x46.748x0.8	Reinf. 23 Compression	82.3%	Pass
1.67 - 0	Pole + Reinf.	TP47.1x46.794x0.7875	Reinf. 23 Compression	82.8%	Pass
				Summary	
			Pole	81.3%	Pass
			Reinforcement	90.5%	Pass
			Overall	90.5%	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	R14	R15	R16	R17	R18	R19	R20	R21	R22	R23	R24	R25
160.33 - 155.33	562	n/a	562	18.41	n/a	18.41	5.4%																									
155.33 - 150.33	562	n/a	562	18.41	n/a	18.41	21.1%																									
150.33 - 146.83	562	n/a	562	18.41	n/a	18.41	32.8%																									
146.83 - 146.33	1490	n/a	1490	25.48	n/a	25.48	18.2%																									
146.33 - 141.33	1199	n/a	1199	18.23	n/a	18.23	27.3%																									
141.33 - 136.33	1352	n/a	1352	18.97	n/a	18.97	37.3%																									
136.33 - 131.33	1517	n/a	1517	19.71	n/a	19.71	48.3%																									
131.33 - 126.33	1695	n/a	1695	20.45	n/a	20.45	60.3%																									
126.33 - 121.33	1887	n/a	1887	21.20	n/a	21.20	71.5%																									
121.33 - 120.08	1937	n/a	1937	21.38	n/a	21.38	74.1%																									
120.08 - 119.83	1947	1779	3726	21.42	18.00	39.42	37.7%																		51.5%	51.5%						
119.83 - 117.5	2043	1833	3876	21.77	18.00	39.77	40.5%																		55.0%	55.0%						
117.5 - 117.25	2059	1936	3995	21.80	22.50	44.30	42.3%											45.2%							51.2%	51.2%						
117.25 - 115.5	2133	1980	4113	22.06	22.50	44.56	44.4%											47.3%							53.6%	53.6%						
115.5 - 115.25	2138	3293	5431	22.10	31.50	53.60	32.0%											47.3%	47.3%						43.2%	43.2%						
115.25 - 110.25	2361	3506	5867	22.84	31.50	54.34	37.1%											54.1%	54.1%						49.4%	49.4%						
110.25 - 107.82	2475	3611	6086	23.20	31.50	54.70	39.6%											57.3%	57.3%						52.3%	52.3%						
107.82 - 102.82	3211	3712	6924	29.37	31.50	60.87	37.9%											59.3%	59.3%						54.2%	54.2%						
102.82 - 100.5	3355	3816	7171	29.80	31.50	61.30	39.8%											61.9%	61.9%						56.6%	56.6%						
100.5 - 100.25	3399	3242	6642	29.85	29.13	58.97	47.5%										55.6%		61.1%						63.3%							
100.25 - 98.5	3511	3310	6821	30.17	29.13	59.30	49.2%										57.3%		63.0%						65.2%							
98.5 - 98.25	3521	3649	7170	30.22	32.13	62.34	46.7%									55.2%	62.4%								58.8%							
98.25 - 93.25	3854	3863	7718	31.14	32.13	63.27	51.0%									59.8%	67.5%								63.6%							
93.25 - 90.5	4046	3984	8030	31.65	32.13	63.78	53.3%									62.2%	70.1%								66.2%							
90.5 - 90.25	4144	4476	8620	31.70	41.38	73.08	52.6%									52.3%	69.2%							50.9%								
90.25 - 85.25	4516	4725	9241	32.63	41.38	74.00	56.8%									56.0%	73.8%							54.5%								
85.25 - 83.5	4651	4814	9465	32.95	41.38	74.33	58.2%									57.2%	75.3%							55.7%								
83.5 - 83.25	4619	7929	12548	33.00	59.38	92.37	42.7%									47.6%	52.9%							46.1%					57.1%			
83.25 - 80.75	4816	8141	12957	33.46	59.38	92.84	44.3%									49.2%	54.5%							47.5%					58.9%			
80.75 - 80.5	4781	10391	15173	33.51	70.00	103.51	36.4%									47.8%	47.9%					39.7%		42.5%					48.4%			
80.5 - 80.25	4797	9281	14078	33.56	67.88	101.43	39.2%								52.1%							40.8%		42.9%					50.1%			
80.25 - 77.5	5019	9548	14568	34.07	67.88	101.94	40.8%								53.9%							42.2%		44.3%					51.8%			
77.5 - 77.25	5071	5733	10804	34.11	49.88	83.99	57.1%								75.3%							51.1%		52.4%								
77.25 - 73.29	5405	5966	11371	34.85	49.88	84.72	60.0%								78.5%							53.3%		54.7%								
73.29 - 68.29	6612	6069	12681	42.10	49.88	91.98	55.2%								77.0%							53.4%		54.9%								
68.29 - 64.25	7044	6314	13358	43.00	49.88	92.88	57.5%								79.6%							55.4%		56.9%								
64.25 - 64	7153	8681	15835	43.06	57.25	100.31	49.8%								67.2%									54.2%				70.2%				
64 - 60.5	7547	8983	16530	43.84	57.25	101.09	51.5%								69.1%									55.9%				72.2%				
60.5 - 60.25	7570	9940	17510	43.89	63.63	107.52	49.7%							63.1%										53.3%				68.2%				
60.25 - 60.08	7590	9956	17545	43.93	63.63	107.55	49.8%							63.2%										53.4%				68.3%				
60.08 - 59.83	7732	11052	18784	43.98	67.76	111.74	48.2%					49.4%		61.6%										53.1%				66.1%				
59.83 - 59.08	7819	11133	18952	44.15	67.76	111.91	48.5%					49.7%		62.0%										53.4%				66.5%				
59.08 - 58.83	7709	12407	20116	44.21	76.02	120.22	44.2%			53.6%		49.4%		56.4%										48.3%				60.6%				
58.83 - 55.42	8112	12816	20928	44.97	76.02	120.98	45.7%			55.1%		50.8%		57.9%										49.7%				62.2%				
55.42 - 55.17	8142	12846	20988	45.02	76.02	121.04	45.8%			55.2%		50.9%		58.1%									49.8%					62.3%				
55.17 - 54.75	8192	12896	21089	45.12	76.02	121.13	46.0%			55.4%		51.0%		58.2%									49.9%					62.5%				
54.75 - 54.5	8279	9040	17319	45.17	58.02	103.19	57.8%			65.9%		61.8%		75.9%									57.9%									
54.5 - 49.5	8902	9468	18371	46.28	58.02	104.30	60.4%			68.2%		64.1%		78.5%									60.0%									
49.5 - 44.5	9556	9908	19464	47.40	58.02	105.41	62.9%			70.5%		66.3%		81.0%									62.1%									
44.5 - 41.25	9997	10199	20196	48.12	58.02	106.14	64.5%			71.9%		67.6%		82.6%									63.4%									
41.25 - 41	9877	12299	22176	48.18	68.64	116.82	55.5%			69.3%		62.8%		72.5%							56.1%		57.2%									
41 - 39	10153	12515	22668	48.62	68.64	117.26	56.4%			70.1%		63.5%		73.4%							56.8%		58.0%									
39 - 33.29	10346	20123	30469	48.98	93.02	141.99	43.4%			56.1%		53.8%		57.5%							51.0%		51.9%				56.7%					
33.29 - 31.5	10599	20434	31033	49.38	93.02	142.39	44.0%			56.7%		54.4%		58.2%							51.6%		52.5%				57.3%					
31.5 - 31.25	10641	20876	31516	49.43	94.54	143.97	44.8%			56.7%	51.4%			57.9%							51.3%		52.5%				57.4%					
31.25 - 30.5	10748	21009	31757	49.60	94.54	144.13	45.1%			57.0%	51.6%			58.1%							51.5%		52.8%				57.6%					
30.5 - 30.25	10780	19841	30621	49.65	91.20	140.85	46.7%		57.6%		53.9%		61.0%								51.6%		53.7%				59.5%					
30.25 - 25.75	11441	20606	32046	50.65	91.20	141.85	48.3%		59.1%		55.3%		62.6%								53.0%		55.2%				61.1%					
25.75 - 25.5	11507	18884	30391	50.70	86.04	136.75	52.3%		62.9%		56.5%		67.8%								51.8%		53.4%									64.0%
25.5 - 24.67	11633	19009	30642	50.89	86.04	136.93	52.6%		63.2%		56.8%		68.1%								52.0%		53.6%									64.2%
24.67 - 24.42	11653	16048	27701	50.94	64.79	115.73	57.9%		67.0%		69.6%		74.8%								59.6%											69.0%
24.42 - 24	11717	16100	27817	51.03	64.79	115.83	58.1%		67.2%		69.7%		75.0%								59.7%											69.1%
24 - 23.75	11918	19132	31050	51.09	71.20	122.29	55.9%		60.1%		70.1%		70.7%								60.2%									69.1%		
23.75 - 18.75	12688	20129	32816	52.19	71.20	123.39	56.8%		61.8%		71.9%		72.6%								61.8%									70.7%		
18.75 - 14.08	13452	20853	34304	53.23	71.20	124.43	58.6%		63.3%		73.6%		74.3%								63.3%									72.1%		
14.08 - 13.82	13502	20050	33553	53.28	73.81	127.09	60.2%	72.8%	62.2%				72.0%								63.1%									70.6%		
13.82 - 13.67	13527	20073	33601	53.32	73.81	127.13	60.3%	72.8%	62.2%				72.1%								63.2%									70.6%		
13.67 - 10.5	14065	20563	34628	54.02	73.81	127.83	61.6%	73.9%	63.2%				73.2%								64.2%									71.5%		
10.5 - 10.25	13921	18520	32442	54.07	69.19	123.26	60.4%	74.7%	69.2%				73.3%							76.5%										74.3%		
10.25 - 5.25	14793	19210	34002	55.18	69.19	124.36	62.4%	76.4%	70.8%				75.0%							78.2%										75.7%		
5.25 - 2.9	15567	14724	30291	55.70	51.89	107.58	81.1%	84.6%					85.6%																	90.4%		
2.9 - 2.65	15613	14749	30362	55.75	51.89	107.64	81.3%	84.6%					85.6%																	90.5%		
2.65 - 2.5	15641	14765	30405	55.79	51.89	107.67	81.3%	84.7%					85.7%																	90.5%		
2.5 - 2.25	15490	20177	35668	55.84	59.51	115.35	68.2%	72.2%																						76.5%	74.8%	
2.25 - 1.92	15551	20222	35773	55.92	59.51	115.43	68.3%	72.4%																						76.5%	74.9%	
1.92 - 1.67	15437	16355	31792	55.97	51.25	107.22	72.7%																							82.3%	81.0%	
1.67 - 0	15744	16540	32284	56.34	51.25	107.59	73.4%																							82.8%	81.5%	

Note: Section capacity checked using 5 degree increments.

**Rating per TIA-222-H Section 15.5.*

Monopole Flange Plate Connection

Elevation = 146.333 ft.

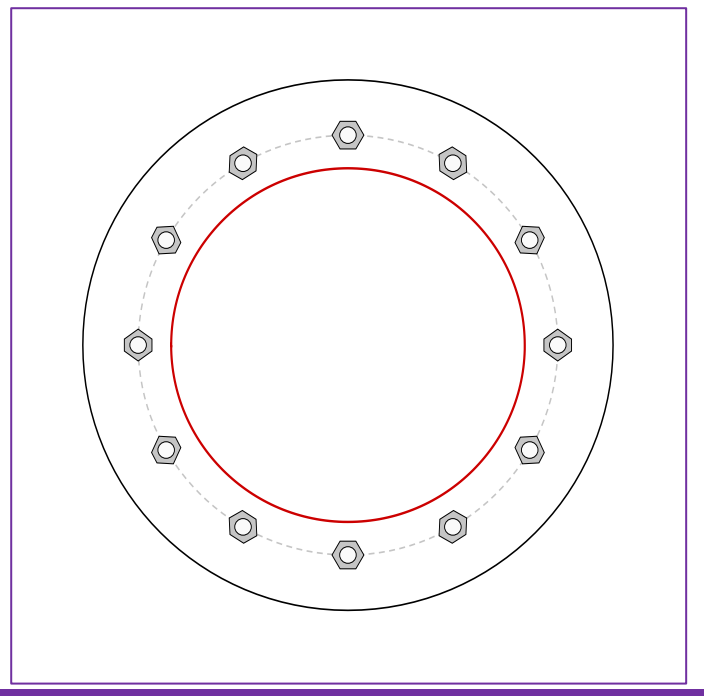
BU #	876334
Site Name	JTHINGTON, SMORON
Order #	654613 Rev#0

TIA-222 Revision	H

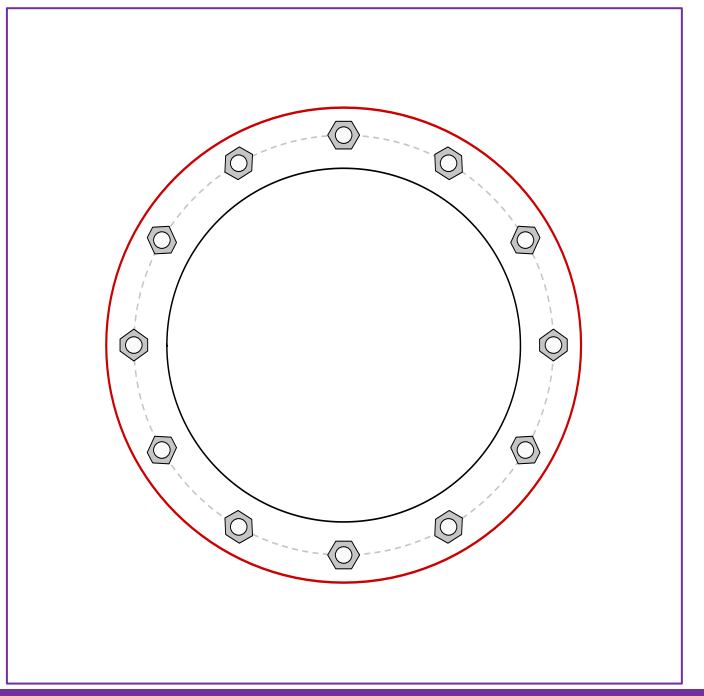
Applied Loads	
Moment (kip-ft)	84.17
Axial Force (kips)	5.80
Shear Force (kips)	8.69

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(12) 3/4" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 19" BC

Top Plate Data

24" OD x 1.5" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Bottom Plate Data

16" ID x 0.75" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

16" x 0.375" round pole (A53-B-35; Fy=35 ksi, Fu=60 ksi)

Bottom Pole Data

22" x 0.25" 12-sided pole (A607-60; Fy=60 ksi, Fu=75 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	17.23	
Allowable (kips)	30.04	
Stress Rating:	**54.6%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	7.18	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	**15.2%**	**Pass**
Tension Side Stress Rating:	**7.4%**	**Pass**

Bottom Plate Capacity

Max Stress (ksi):	28.12	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	**59.5%**	**Pass**
Tension Side Stress Rating:	**N/A**	

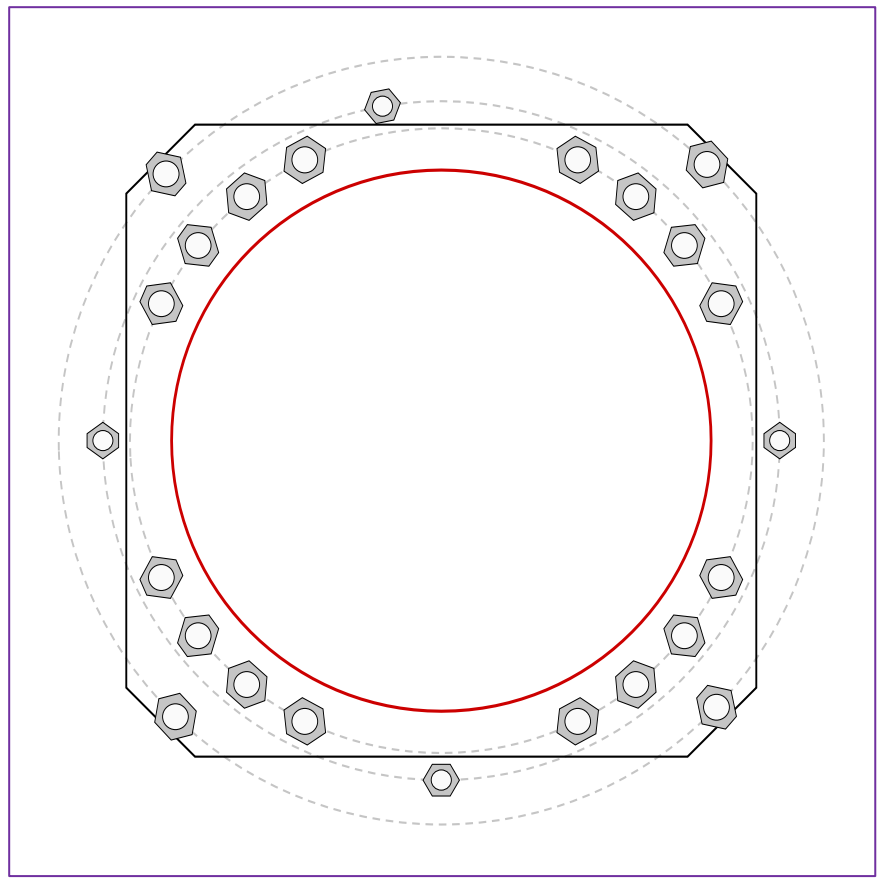
Monopole Base Plate Connection

Site Info	
BU #	876334
Site Name	JTHINGTON, SMORON
Order #	654613 Rev#0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	See Custom Sheet
l_{ar} (in)	See Custom Sheet

Applied Loads	
Moment (kip-ft)	4898.32
Axial Force (kips)	84.15
Shear Force (kips)	46.31

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 54.375" BC
Anchor Spacing: 6 in
GROUP 2: (4) 1-3/4" ø bolts (F1554-105 N; Fy=105 ksi, Fu=125 ksi) on 59.1" BC
pos. (deg): 0, 100, 180, 270

GROUP 3: (4) 2-1/4" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 66.8125" BC

Base Plate Data

55" W x 3" Plate (A572-50; Fy=50 ksi, Fu=65 ksi); Clip: 6 in

Stiffener Data

N/A

Pole Data

47.1" x 0.375" 12-sided pole (A607-60; Fy=60 ksi, Fu=75 ksi)

Analysis Results

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

GROUP 1:		
Pu_t = 171.25	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.89	ϕVn = 149.1	**66.9%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 2:		
Pu_t = 111.04	ϕPn_t = 178.13	**Stress Rating**
Vu = 0	ϕVn = 112.75	**59.4%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 3:		
Pu_t = 216.79	ϕPn_t = 304.69	**Stress Rating**
Vu = 0	ϕVn = 186.38	**67.8%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	28.94	(Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	**61.2%**	**Pass**

CCIplate

Elevation (ft)	0	*(Base)*

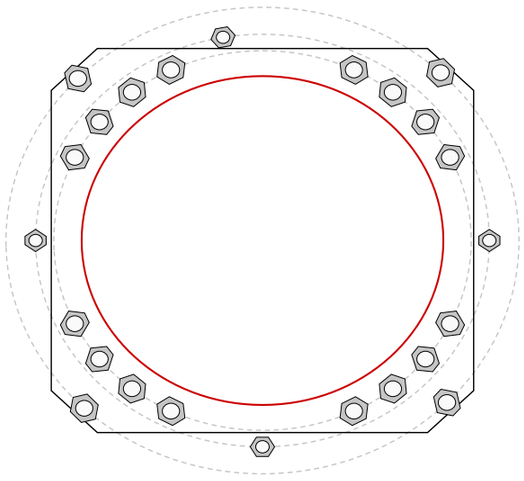
note: Bending interaction not considered when Grout Considered = "Yes"

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

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	l_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	25.994419	2.25	A615-75	54.375	0.5	1.875	N-Included		No
2	1	38.664806	2.25	A615-75	54.375	0.5	1.875	N-Included		No
3	1	51.335194	2.25	A615-75	54.375	0.5	1.875	N-Included		No
4	1	64.005581	2.25	A615-75	54.375	0.5	1.875	N-Included		No
5	1	115.99442	2.25	A615-75	54.375	0.5	1.875	N-Included		No
6	1	128.66481	2.25	A615-75	54.375	0.5	1.875	N-Included		No
7	1	141.33519	2.25	A615-75	54.375	0.5	1.875	N-Included		No
8	1	154.00558	2.25	A615-75	54.375	0.5	1.875	N-Included		No
9	1	205.99442	2.25	A615-75	54.375	0.5	1.875	N-Included		No
10	1	218.66481	2.25	A615-75	54.375	0.5	1.875	N-Included		No
11	1	231.33519	2.25	A615-75	54.375	0.5	1.875	N-Included		No
12	1	244.00558	2.25	A615-75	54.375	0.5	1.875	N-Included		No
13	1	295.99442	2.25	A615-75	54.375	0.5	1.875	N-Included		No
14	1	308.66481	2.25	A615-75	54.375	0.5	1.875	N-Included		No
15	1	321.33519	2.25	A615-75	54.375	0.5	1.875	N-Included		No
16	1	334.00558	2.25	A615-75	54.375	0.5	1.875	N-Included		No
17	2	0	1.75	F1554-105	59.1	0.5	0	N-Included		No
18	2	100	1.75	F1554-105	59.1	0.5	0	N-Included		No
19	2	180	1.75	F1554-105	59.1	0.5	0	N-Included		No
20	2	270	1.75	F1554-105	59.1	0.5	0	N-Included		No
21	3	46	2.25	A193 Gr. B7	66.8125	0.5	0	N-Included		No
22	3	136	2.25	A193 Gr. B7	66.8125	0.5	0	N-Included		No
23	3	226	2.25	A193 Gr. B7	66.8125	0.5	0	N-Included		No
24	3	316	2.25	A193 Gr. B7	66.8125	0.5	0	N-Included		No

Plot Graphic



PROJECT	**127834.009.01.0001 - SOUTHINGTON, SMORON, CT**
SUBJECT	**Anchor Rod Bracket Analysis**
DATE	**07/29/23**
v4.6.1	

TIA-222 Rev.	H
Apply TIA-222-H Section 15.5?	Yes

B+T GRP
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Analysis Criteria		
Design/Analysis	Analysis	
Load Type	Current Load	
Current load	111.04	kips
AR Capacity	227.3	kips

Tower Type	Monopole

Manufacturers Tower Prop.		
Pole Thickness	0.375	in
Pole Grade	Custom	
Fy	65	ksi
Fu	80	ksi
Base Plate Gr.	A572-50	
Fy	50	ksi
Fu	65	ksi

Post-Installed Adhesive AR Mod.		
ARB Type	Welded	
Size	1.75	in
Grade	F1554-105	
Fy	105	ksi
Fu	125	ksi

Anchor Rod Bracket Analysis Checks		
Tube Bearing	28.3%	-
Tube Compression	42.4%	-
Gusset Shear	19.6%	-
Gusset Flexure	N/A	-
Welds: Gusset to Tower and BP	33.9%	-
Welds: Gusset to Tube	46.8%	-
Welds: Geometry	N/A	
Tower Punching	8.0%	-
Tube Punching	33.8%	-
Utilization	**46.8%**	

Bracket Properties

Gusset			Pipe/Tube			Weld - Gusset to Pipe/Tube		
Thickness	1.25	in	Size	HSS4x4x1/2		FEXX	80	ksi
Width at Tube	4	in	Total Length	12	in	Weld Type	PJP - Double Bevel	
Height at Pole	42	in	Length above Gusset	0	in	Fillet Size	3/8	in
Height at Tube	12	in	Length below Gusset	0	in	Bevel Depth	1/4	in
Grade	A572-65		Grade	A500 Grade B (Square)				
Fy	65	ksi	Fy	46	ksi			
Fu	80	ksi	Fu	58	ksi			

Weld - Gusset to Tower			Weld - Gusset to Base Plate		
FEXX	80	ksi	FEXX	80	ksi
Weld Type	Double Fillet		Weld Type	CJP - Double Bevel	
Fillet Size	3/8	in	Fillet Size	5/8	in
			Bevel Depth	1/2	in
			Gap	0	in
			Notch (horiz)	0.75	in
			Notch (vert)	0.75	in
			Pipe/Tube Welded to Base/Footpad?	Yes	
			Fillet Size	3/8	in

PROJECT	**127834.009.01.0001 - SOUTHINGTON, SMORON, CT**
SUBJECT	**Anchor Rod Bracket Analysis**
DATE	**07/29/23**
v4.6.1	

TIA-222 Rev.	H
Apply TIA-222-H Section 15.5?	Yes

B+T GRP
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Analysis Criteria		
Design/Analysis	Analysis	
Load Type	Current Load	
Current load	216.79	kips
AR Capacity	375.7	kips

Tower Type	Monopole

Manufacturers Tower Prop.		
Pole Thickness	0.375	in
Pole Grade	Custom	
Fy	65	ksi
Fu	80	ksi
Base Plate Gr.	A572-50	
Fy	50	ksi
Fu	65	ksi

Post-Installed Adhesive AR Mod.		
ARB Type	Welded	
Size	2.25	in
Grade	A193 Gr B7	
Fy	105	ksi
Fu	125	ksi

Anchor Rod Bracket Analysis Checks		
Tube Bearing	38.8%	-
Tube Compression	58.2%	-
Gusset Shear	15.3%	-
Gusset Flexure	0.2%	-
Welds: Gusset to Tower and BP	46.3%	-
Welds: Gusset to Tube	41.2%	-
Welds: Geometry	N/A	
Tower Punching	0.4%	-
Tube Punching	12.3%	-
Utilization	**58.2%**	

Bracket Properties

Gusset			Pipe/Tube			Weld - Gusset to Pipe/Tube		
Thickness	1.25	in	Size	HSS5x5x1/2		FEXX	70	ksi
Width at Tube	5.875	in	Total Length	33	in	Weld Type	Double Fillet	
Height at Pole	306	in	Length above Gusset	0	in	Fillet Size	3/8	in
Height at Tube	30	in	Length below Gusset	3	in			
Grade	A572-65		Grade	A500 Grade C (Square)				
Fy	65	ksi	Fy	50	ksi			
Fu	80	ksi	Fu	62	ksi			

Weld - Gusset to Tower			Weld - Gusset to Base Plate	
FEXX	70	ksi		
Weld Type	Double Fillet		Weld Type	Floating
Fillet Size	1/4	in		

PROJECT	**127834.009.01.0001 - SOUTHINGTON, SMORON, CT**
SUBJECT	**Anchor Rod Bracket Analysis**
DATE	**07/29/23**
v4.6.1	

TIA-222 Rev.	H
Apply TIA-222-H Section 15.5?	Yes

B+T GRP
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Analysis Criteria		
Design/Analysis	Analysis	
Load Type	Current Load	
Current load	216.79	kips
AR Capacity	375.7	kips

Tower Type	Monopole

Manufacturers Tower Prop.		
Pole Thickness	0.375	in
Pole Grade	Custom	
Fy	65	ksi
Fu	80	ksi
Base Plate Gr.	A572-50	
Fy	50	ksi
Fu	65	ksi

Post-Installed Adhesive AR Mod.		
ARB Type	Welded	
Size	2.25	in
Grade	A193 Gr B7	
Fy	105	ksi
Fu	125	ksi

Anchor Rod Bracket Analysis Checks		
Tube Bearing	38.8%	-
Tube Compression	58.2%	-
Gusset Shear	18.7%	-
Gusset Flexure	16.9%	-
Welds: Gusset to Tower and BP	78.2%	-
Welds: Gusset to Tube	50.5%	-
Welds: Geometry	N/A	
Tower Punching	45.9%	-
Tube Punching	18.5%	-
Utilization	**78.2%**	

Bracket Properties

Gusset			Pipe/Tube			Weld - Gusset to Pipe/Tube		
Thickness	1.25	in	Size	HSS5x5x1/2		FEXX	70	ksi
Width at Tube	6.5	in	Total Length	33.5	in	Weld Type	Double Fillet	
Height at Pole	30	in	Length above Gusset	3	in	Fillet Size	3/8	in
Height at Tube	24.5	in	Length below Gusset	6	in			
Grade	A572-65		Grade	A500 Grade C (Square)				
Fy	65	ksi	Fy	50	ksi			
Fu	80	ksi	Fu	62	ksi			

Weld - Gusset to Tower			Weld - Gusset to Base Plate	
FEXX	70	ksi		
Weld Type	Double Fillet		Weld Type	Floating
Fillet Size	1/4	in		

Drilled Pier Foundation

BU # :	876334
Site Name:	SOUTHINGTON, SMORON
Order Number:	654613 Rev#0
TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	4898.32	
Axial Force (kips)	84.15	
Shear Force (kips)	46.31	

Material Properties			Rebar 2, Fy Override (ksi)	Rebar 3, Fy Override (ksi)
Concrete Strength, f'c:	3	ksi		
Rebar Strength, Fy:	60	ksi		
Tie Yield Strength, Fyt:	40	ksi		

Pier Design Data		
Depth	20.5	ft
Ext. Above Grade	1	ft
Pier Section 1		
From 1' above grade to 3' below grade		
Pier Diameter	26.0467524	ft
Rebar Quantity	32	
Rebar Size	11	
Clear Cover to Ties	139	in
Tie Size	5	
Tie Spacing	6	in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Pier Section 2		
From 3' below grade to 20.5' below grade		
Pier Diameter	7	ft
Rebar Quantity	32	
Rebar Size	11	
Clear Cover to Ties	4	in
Tie Size	5	
Tie Spacing	18	in

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	6.01	-
Soil Safety Factor	1.46	-
Max Moment (kip-ft)	5140.72	-
Rating*	*86.8%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	212.27	-
End Bearing (kips)	1663.01	-
Weight of Concrete (kips)	504.78	-
Total Capacity (kips)	1875.28	-
Axial (kips)	588.93	-
Rating*	*29.9%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	5.82	-
Critical Moment (kip-ft)	5140.10	-
Critical Moment Capacity	8107.53	-
Rating*	*60.4%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	15.58	-
Critical Shear (kip)	659.14	-
Critical Shear Capacity	645.31	-
Rating*	*97.3%*	-

Shear-Friction Methodology is Applied

Structural Foundation Rating*	**97.3%**
Soil Interaction Rating*	**86.8%**

*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	☑
N/A	☐
Additional Longitudinal Rebar	
Input Effective Depths (else Actual):	☐
Shear Design Options	
Check Shear along Depth of Pier:	☑
Utilize Shear-Friction Methodology:	☑
Override Critical Depth:	☐

Go to Soil Calculations

Soil Profile

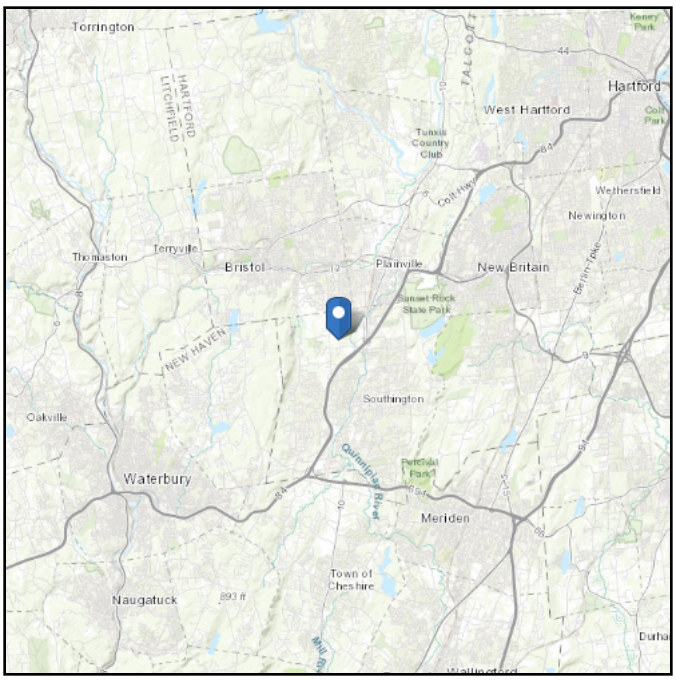
Groundwater Depth	N/A	# of Layers	9

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	1	1	100	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	1	2	1	110	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	2	3.3	1.3	130	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
4	3.3	5	1.7	130	150	0	36	0.000	0.000	0.00	0.00			Cohesionless
5	5	6	1	130	150	0	36	0.000	0.000	0.65	0.65			Cohesionless
6	6	8	2	120	150	0	30	0.000	0.000	0.90	0.90			Cohesionless
7	8	12.4	4.4	130	150	0	36	0.00	0.00	1.38	1.38			Cohesionless
8	12.4	13.5	1.1	145	150	0	40	0.00	0.00	3.97	3.97			Cohesionless
9	13.5	20.5	7	145	150	0	40	0.00	0.00	0.00	0.00	54.9		Cohesionless

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Latitude:**	41.632472
Risk Category:	II	**Longitude:**	-72.89425
Soil Class:	D - Stiff Soil	**Elevation:**	296.3652167441853 ft (NAVD 88)



Wind

Results:

Wind Speed	117 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	97 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:	Sat Jul 29 2023

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

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

Seismic

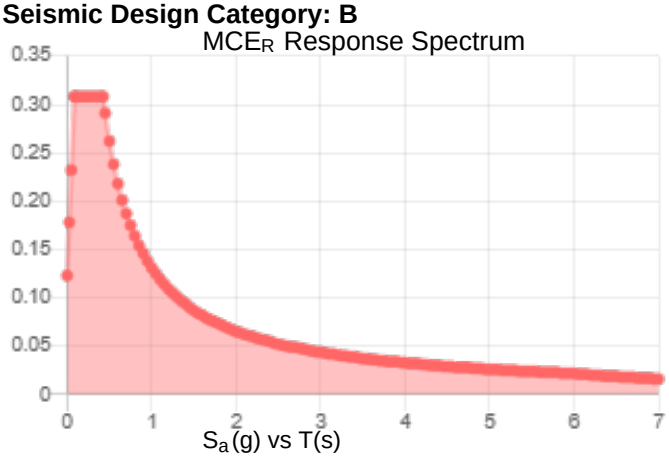
D - Stiff Soil

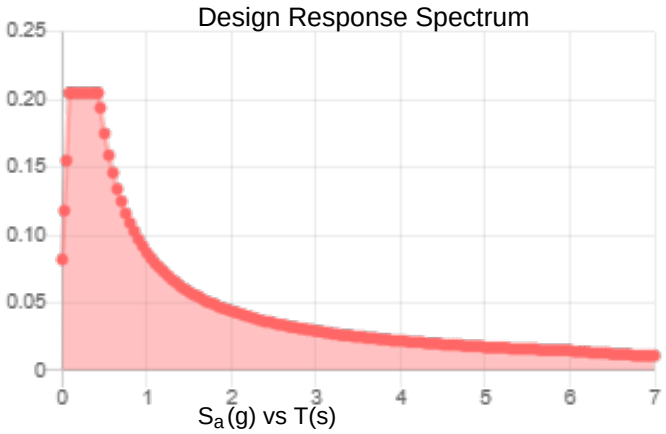
Site Soil Class:

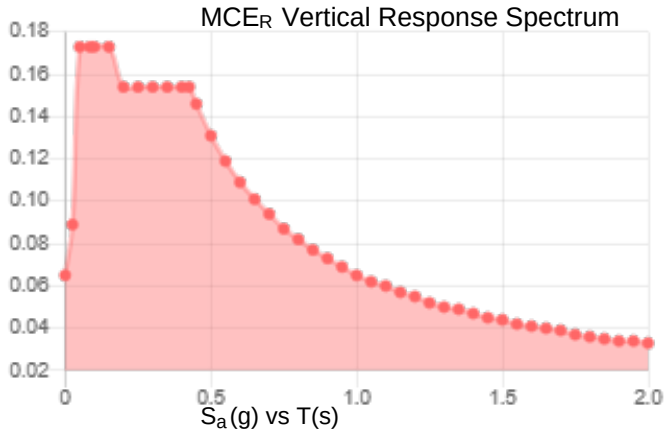
Results:

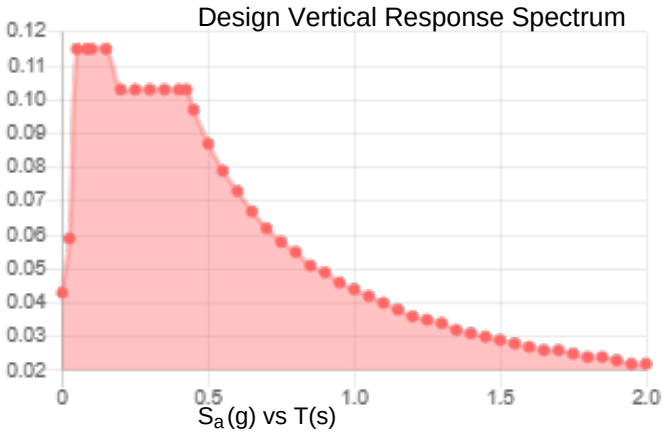
S_S :	0.193	S_{D1} :	0.087
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.105
F_v :	2.4	PGA_M :	0.167
S_{MS} :	0.308	F_{PGA} :	1.589
S_{M1} :	0.131	I_e :	1
S_{DS} :	0.205	C_v :	0.7

Seismic Design Category: B









Data Accessed: **Sat Jul 29 2023**

Date Source:

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

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Sat Jul 29 2023

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

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