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

September 26, 2023

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

RE: **Notice of Exempt Modification for Verizon**
Crown #876339_Crown_VZW
782 Old Clinton Road, Westbrook, CT 06498
Latitude: 41° 17′ 25.78″/ Longitude: -72° 28′ 8.05″

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 782 Old Clinton Road, Westbrook, CT 06498. The property is owned by Catherine Wade and the tower is owned by Crown Castle. Verizon now intends to add one (1) interference mitigation filter to be installed at the 115-foot level of the tower of the 160-foot monopole. This modification may include B2, B5, B17, B14, B29, B30, B66 & n77 hardware that is 4G(LTE) and/or 5GNR capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:

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

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

The facility was approved by the Connecticut Siting Council, Petition No. 511, on July 11, 2001. 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 First Selectman John Hall and Peter Gillespie, Planning & Zoning Development for the municipality. A copy is also being sent to Catherine Wade as the property owner and Crown Castle is the tower owner. The proposed modifications will not result in an increase in the height of the existing tower.

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

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:

First Selectman John Hall
Town of Westbrook
866 Boston Post Road
Westbrook, CT 06498
860-399-3041

Peter Gillespie, Planning & Zoning Development
Town of Westbrook
866 Boston Post Road
Westbrook, CT 06498
860-399-3041

Catherine Wade, Property Owner
782 Old Clinton Road
Westbrook, CT 06498
860-399-2582

Crown Castle, Tower Owner

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773380004565: Your package has been delivered
Date: Tuesday, September 26, 2023 10:47:19 AM

Hi. Your package was delivered Tue, 09/26/2023 at 10:40am.

Delivered to 866 BOSTON POST RD SELE, WESTBROOK, CT 06498
Received by K.FRAZIER

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	773380004565
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Westbrook First Selectman John Hall 866 Boston Post Road WESTBROOK, CT, US, 06498
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 9/25/2023 05:35 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	WESTBROOK, CT, US, 06498
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 773380026331: Your package has been delivered
Date: Tuesday, September 26, 2023 10:46:17 AM

Hi. Your package was delivered Tue, 09/26/2023 at 10:38am.

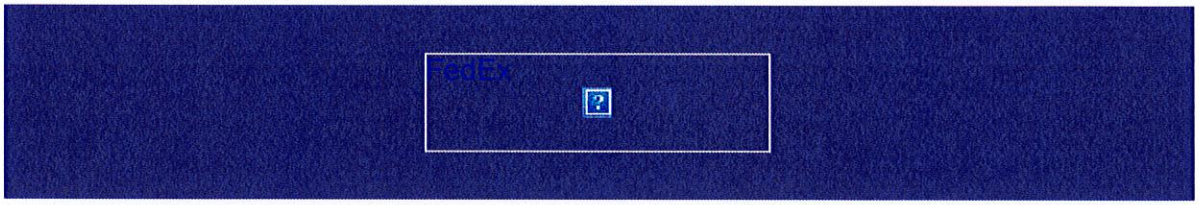
Delivered to 866 BOSTON POST RD PLANNI, WESTBROOK, CT 06498
Received by S.ANGELINI

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	773380026331
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Westbrook Peter Gillespie, Planning & Zoning 866 Boston Post Road WESTBROOK, CT, US, 06498
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 9/25/2023 05:35 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	WESTBROOK, CT, US, 06498
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 773380043930: Your package has been delivered
Date: Tuesday, September 26, 2023 10:26:27 AM



Hi. Your package was delivered Tue, 09/26/2023 at 10:20am.

Delivered to 782 OLD CLINTON RD, WESTBROOK, CT 06498

OBTAIN PROOF OF DELIVERY

Delivery picture not showing? View in browser.

How was your delivery ?

TRACKING NUMBER	773380043930
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Catherine Wade 782 Old Clinton Road WESTBROOK, CT, US, 06498
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 9/25/2023 05:35 PM
DELIVERED TO	Residence
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	WESTBROOK, CT, US, 06498

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

Wondering when a package will arrive?

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

TRACK A PACKAGE

FOLLOW FEDEX

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:26 AM CDT 09/26/2023.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

Petition No. 511
Sprint Sites USA
Westbrook, Connecticut
Staff Report
July 11, 2001

On May 24, 2000, Connecticut Siting Council (Council) member William H. Smith and Council Staff Paul M. Aresta met representatives for Sprint Sites USA (SSUSA) and Julie Cashin for an inspection of an existing 160-foot tall monopole tower located at 782 Old Clinton Road, in Westbrook, Connecticut. SSUSA seeks a declaratory ruling that the proposed expansion of the existing compound, modification of the existing access road, co-location of three addition telecommunications carriers, and reinforcement of the existing tower would not have a substantial adverse environmental effect, and that no Certificate of Environmental Compatibility and Public Need (Certificate) would be required.

The existing 160-foot tall monopole tower was approved by the Town of Westbrook on May 26, 1998. The Council approved the shared use of this tower by Omnipoint Communication at a centerline height of 145 feet above ground level (AGL) on June 16, 1999, and Nextel Communication at a centerline height of 130 feet AGL on September 16, 1999. SSUSA contends that the existing tower currently supports antennas for Sprint at the 160 feet AGL, Voicestream's (formerly Omnipoint) at 142.5 AGL, and Nextel at 150 feet AGL. SSUSA request that the Council amend the previous approvals to acknowledge the existing antennas at their current heights.

AT&T Wireless Services (AT&T) proposes to place up to twelve panel antennas on a platform at the 130-foot level; Verizon proposes to place up to fifteen panel antennas on a platform at the 120-foot level; and Springwich Cellular proposes to place up to twelve panel antennas on a platform at the 110-foot level of the existing tower.

The existing tower and foundation would require reinforcing to support all of the proposed equipment. SSUSA has included two proposals to reinforce the existing structure. SSUSA would either construct a structural support consisting of three approximately 125-feet tall columns with eleven cross-braces around the existing monopole structure. The proposed columns would each be constructed of eight-inch diameter pipe filled with post-tensioned concrete. Alternately, SSUSA could install a collar type reinforcement around the existing monopole tower up to 109 feet AGL. The collar would be bolted together around the existing tower. The reinforcement would involve removing the antennas below the 110-foot height on the tower; installing 20-foot deep rock anchors through the existing foundation at each corner; installing the steel sleeve; and reinstalling the existing antennas. The exterior finish on the collar reinforcement would be galvanized steel.

SSUSA proposes to expand the existing fenced compound from 34 feet by 28 feet to 50 feet by 90 feet to accommodate three 12-foot by 20-foot telecommunications equipment buildings. The existing fence would be removed and a new approximately six-foot tall chain link fence with three strands of barbed wire would be constructed around the expanded compound. All vegetation within the existing compound would be removed. Evergreen landscaping would be installed around the perimeter of the expanded site compound and approximately six eight-foot white pines would be installed approximately 35 feet southwest of the expanded site compound. A vehicle turnaround would be constructed on the west side of the expanded compound, and a portion of the existing ten-foot wide gravel access road would be re-routed, at the request of the landowner. Utilities are available within the existing site compound. Verizon would install a 40-kW emergency diesel generator.

The worst case power density for the existing and proposed telecommunications operations at the site would be approximately 79 percent of the applicable ANSI standard at the base of the tower. SSUSA contends that the proposed expansion of the compound, tower reinforcement, and addition of the three telecommunications entities would not cause a significant change to the physical or environmental characteristics of this site.

782 OLD CLINTON RD

Location	782 OLD CLINTON RD	**Mblu**	169/ / 018/ /
Acct#	E0110900	**Owner**	WADE CATHERINE A
Assessment	$544,490	**Appraisal**	$791,250
PID	1175	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$611,250	$180,000	$791,250

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$426,160	$118,330	$544,490

Owner of Record

Owner	WADE CATHERINE A
Co-Owner	
Address	782 OLD CLINTON RD WESTBROOK, CT 06498

Sale Price	$0
Certificate	
Book & Page	162/83
Sale Date	02/03/1994
Instrument	25

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
WADE CATHERINE A	$0		162/83	25	02/03/1994

Building Information

Building 1 : Section 1

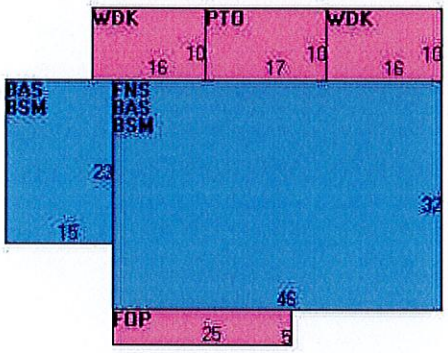
Year Built:	1946
Living Area:	3,142
Replacement Cost:	$338,386
Building Percent Good:	46
Replacement Cost Less Depreciation:	$155,660

Building Attributes	
Field	**Description**
Style	Colonial
Model	Residential
Grade:	C+
Stories	1.9
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure	Gambrel
Roof Cover	Asphalt
Interior Wall 1	Drywall
Interior Wall 2	
Interior Flr 1	Hardwood
Interior Flr 2	
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	7
Full Bthrms:	3
Half Baths:	0
Extra Fixtures	3
Total Rooms:	10
Bath Style:	Modern
Kitchen Style:	Average
Extra Kitchens	0
Fireplace(s)	1
Gas Fireplace(s)	0
Stacks	1
Bsmt Garage(s)	0
Callback	
Fireplaces	
Fin Bsmnt	0.00
Fin Bsmnt Qual	
Bsmt Heat	
Int Vs Ext	Same
Fndtn Cndtn	
Basement	

Building Photo

(https://images.vgsi.com/photos2/WestbrookCTPhotos///0011/IMG_1301_1

Building Layout



(https://images.vgsi.com/photos2/WestbrookCTPhotos//Sketches/1175_11

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	1,817	1,817
FNS	Finished 90% Story	1,472	1,325
BSM	Basement	1,817	0
FOP	Open Porch	125	0
PTO	Patio	170	0
WDK	Deck	320	0
		5,721	3,142

Extra Features

Extra Features — Legend

No Data for Extra Features

Land

Land Use

Use Code	101
Description	Res Dwelling
Zone	RR
Neighborhood	0045
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	5
Depth	
Assessed Value	$118,330
Appraised Value	$180,000

Special Land

Land Use Code	Land Use Description	Units	Unit Type
712	490 Tillable C	2	AC

Outbuildings

Outbuildings — Legend

Code	Description	Sub Code	Sub Description	Size	Value	Bldg #	Comment
FGR1	Garage			868.00 S.F.	$17,360	1	
TCB	Telecomm Bldg			216.00 UNITS	$61,560	1	
TCS	Telecomm Site			700.00 UNITS	$276,500	1	
SHD1	Shed			180.00 S.F.	$1,800	1	
BRN1	1 Story Barn			360.00 S.F.	$5,400	1	
STB	Stable			310.00 S.F.	$6,980	1	
LNT	Lean To			264.00 S.F.	$660	1	
SHD1	Shed			140.00 S.F.	$1,400	1	
GAZ	Gazebo			77.00 S.F.	$770	1	
TCM	Telecomm			100.00 S.F.&HGT	$2,450	1	
TCM	Telecomm			1.00 S.F.&HGT	$10,000	1	
TCM	Telecomm			3.00 S.F.&HGT	$10,000	1	
TCM	Telecomm			1.00 S.F.&HGT	$10,000	1	
TCM	Telecomm			1.00 S.F.&HGT	$10,000	1	
TCM	Telecomm			1.00 S.F.&HGT	$10,000	1	
TCM	Telecomm			0.00 S.F.&HGT	$10,710	1	
TCM	Telecomm			0.00 S.F.&HGT	$20,000	1	

Valuation History

Appraisal

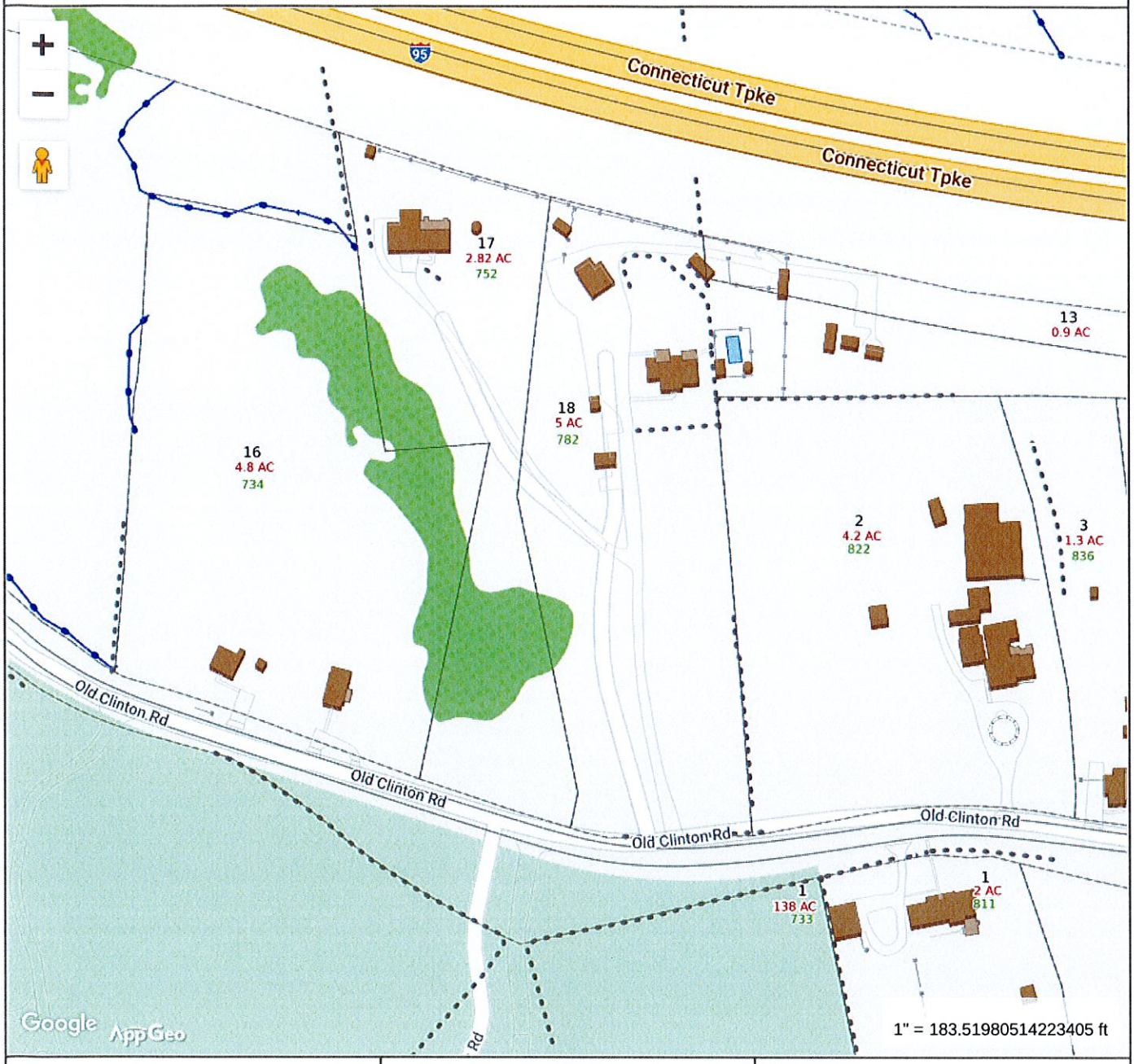
Valuation Year	Improvements	Land	Total

2021	$611,250	$180,000	$791,250
2020	$602,990	$114,740	$717,730
2019	$582,990	$114,740	$697,730

Assessment

Valuation Year	Improvements	Land	Total
2021	$426,160	$118,330	$544,490
2020	$420,390	$74,310	$494,700
2019	$413,390	$74,310	$487,700

782 Old Clinton Road

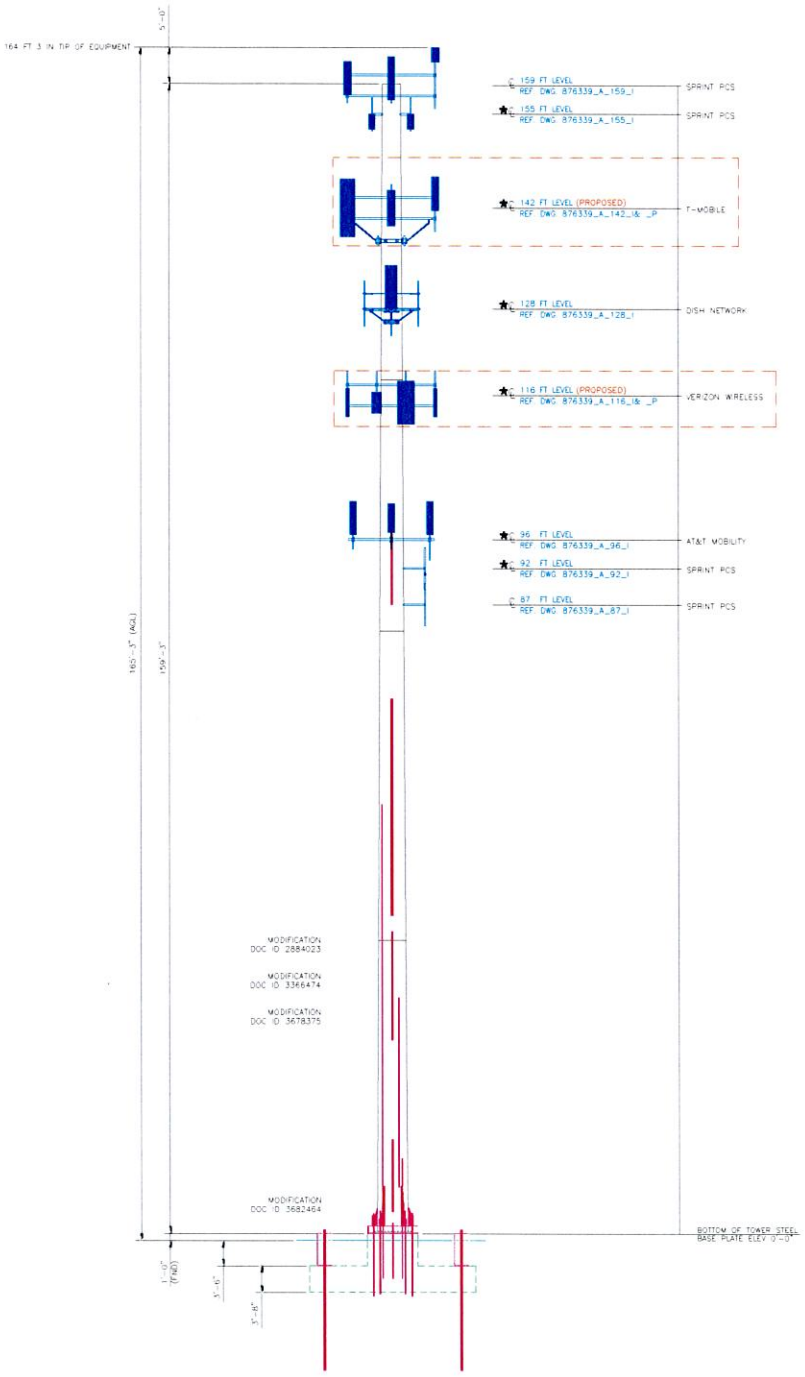


MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Town of Westbrook, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated October 25, 2021
Data updated daily

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.


164 FT 3 IN TIP OF EQUIPMENT
5'-0"
165'-3" (AGL)
159'-3"
℄ 159 FT LEVEL
REF. DWG. 876339_A_159_I
SPRINT PCS
℄ 155 FT LEVEL
REF. DWG. 876339_A_155_I
SPRINT PCS
℄ 142 FT LEVEL (PROPOSED)
REF. DWG. 876339_A_142_I& _P
T-MOBILE
℄ 128 FT LEVEL
REF. DWG. 876339_A_128_I
DISH NETWORK
℄ 116 FT LEVEL (PROPOSED)
REF. DWG. 876339_A_116_I& _P
VERIZON WIRELESS
℄ 96 FT LEVEL
REF. DWG. 876339_A_96_I
AT&T MOBILITY
℄ 92 FT LEVEL
REF. DWG. 876339_A_92_I
SPRINT PCS
℄ 87 FT LEVEL
REF. DWG. 876339_A_87_I
SPRINT PCS
MODIFICATION
DOC ID 2884023
MODIFICATION
DOC ID 3366474
MODIFICATION
DOC ID 3678375
MODIFICATION
DOC ID 3682464
BOTTOM OF TOWER STEEL
BASE PLATE ELEV. 0'-0"
1'-0"
(TYP.)
5'-6"
5'-6"

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.

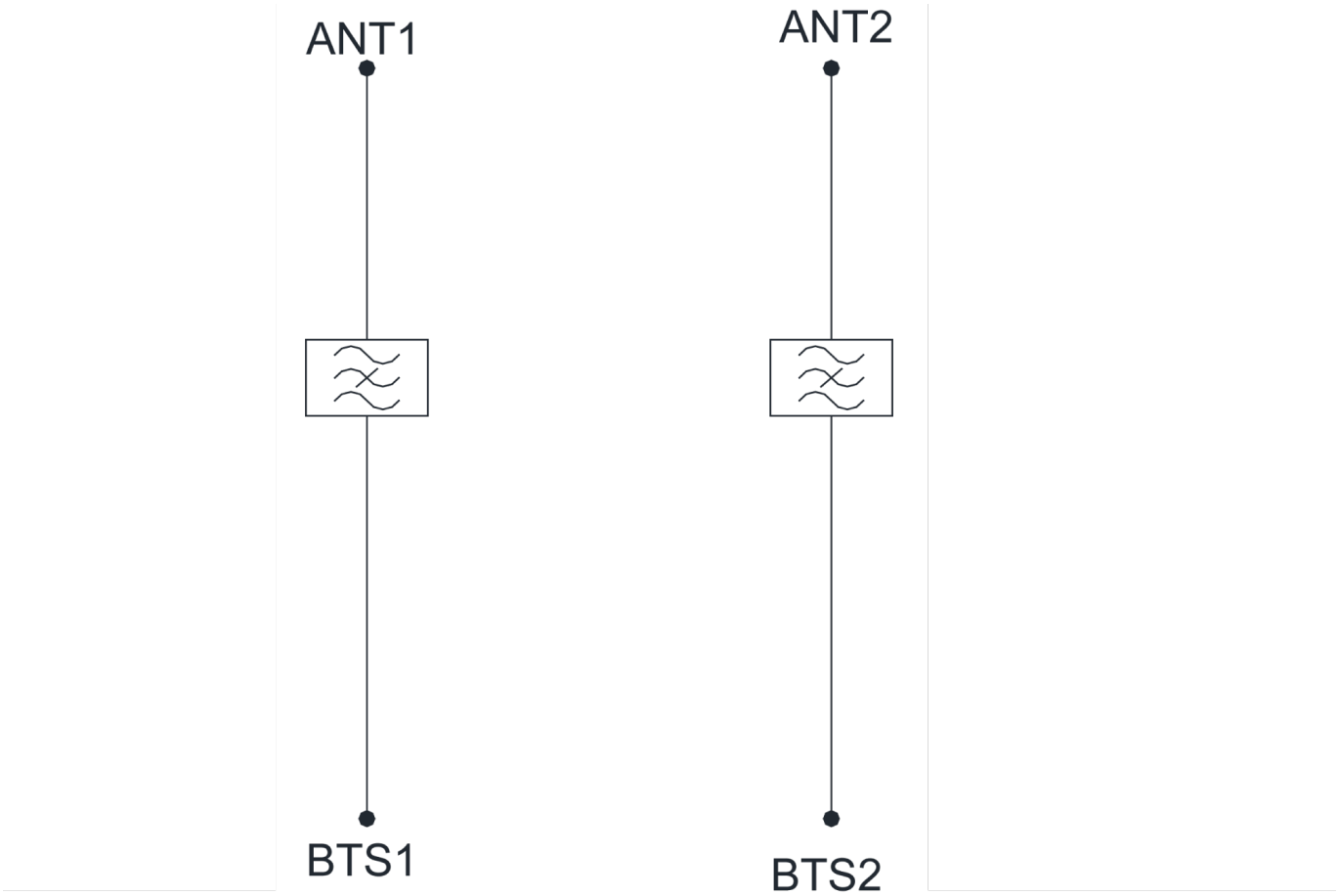
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

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)

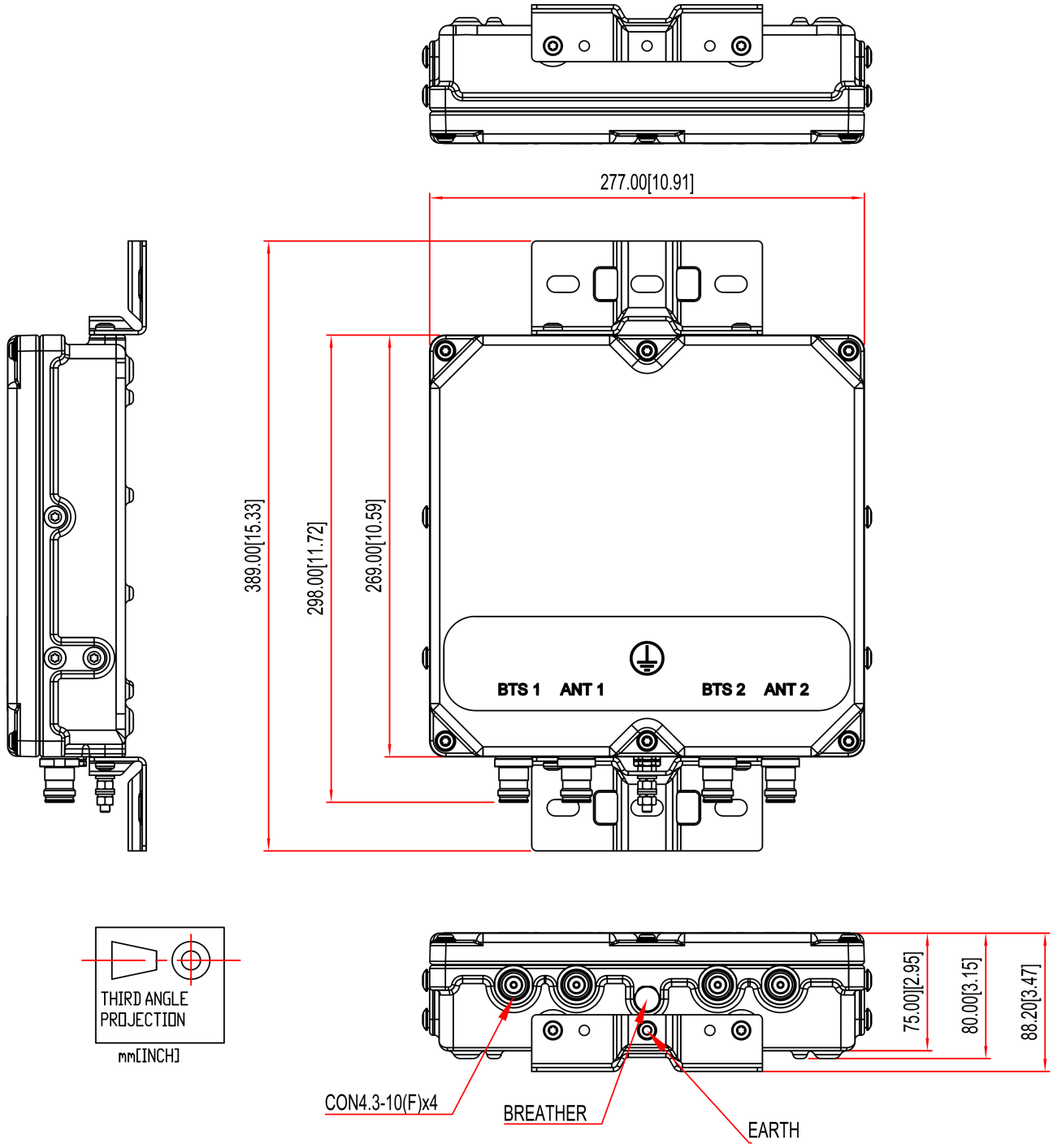
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



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

Colliers Engineering & Design CT, P.C.
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 #: 10206433
Colliers Engineering & Design CT, P.C. Project #: 23777084 (Rev. 1)

July 10, 2023

Site Information	*Site ID:*	*5000244999-VZW / WESTBROOK 2 CT*
	Site Name:	*WESTBROOK 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*782 Old Clinton Rd.* *Westbrook, Connecticut 06498* *Middlesex County*
	Latitude:	*41.290472°*
	Longitude:	*-72.468278°*
Structure Information	*Tower Type:*	*160-Ft Monopole*
	Mount Type:	*13.92-Ft Platform*

FUZE ID # 17123849

Analysis Results

Platform: **72.7% 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 325100, dated April 8, 2021*
Mount Mapping Report	*Hudson Design Group LLC, Site Name: WESTBROOK 2 CT, dated March 23, 2021*
Post-Modification Inspection Report	*Maser Consulting Connecticut, Project #: 21777139, dated July 8, 2022*
Filter Add Scope	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	125 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.997
Seismic Parameters:	S_S:	0.204 g
	S_1:	0.054 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
114.00	117.00	3	Samsung	MT6407-77A	Retained
		6	Commscope	JAHH-65B-R3B	
		4	Amphenol Antel	LPA-80063-4CF-EDIN-8	
		2	Amphenol Antel	LPA-80080-4CF-EDIN-0	
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)	
		3	Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)	
		1	Raycap	RRFDC-3315-PF-48	
		1	Raycap	RRFDC-3315-PF-48	
		2	KAelus	BSF0020F3V1-1	Added

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design CT, P.C. and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design CT, P.C. to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design CT, P.C. is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - 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 CT, P.C..

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	*60.6 %*	*Pass*
Platform Crossmember	*26.4 %*	*Pass*
Corner Plate	*26.9 %*	*Pass*
Grating Support	*16.3 %*	*Pass*
Cross Arm Plate	*39.5 %*	*Pass*
Face Horizontal	*24.2 %*	*Pass*
Mount Pipe	*72.7 %*	*Pass*
Support Rail	*70.4 %*	*Pass*
Connection Check	*65.3 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**72.7%**

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	26.5	26.5	41.0	41.0
0.5	33.8	33.8	54.3	54.3
1	40.7	40.7	67.3	67.3

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

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

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

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MDG #: 5000244999 SMART Project #: 10206433 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:

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: 5000244999-VZW - WESTBROOK 2 CT

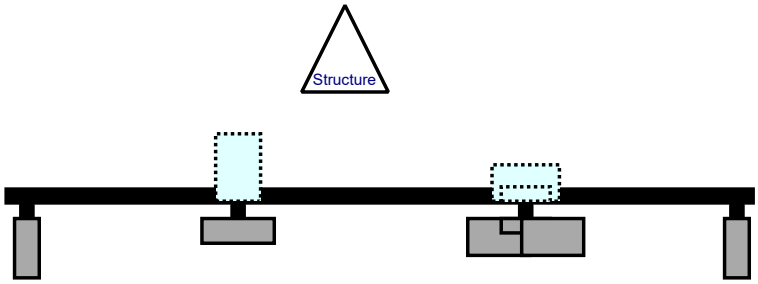
Sector: **A** 7/10/2023

Structure Type: Monopole 10206433

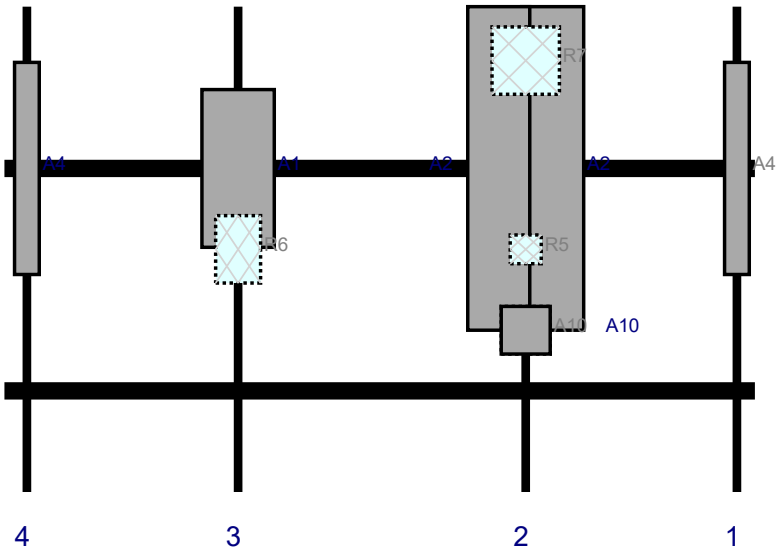
Mount Elev: 114.00 Page: 1

Colliers Engineering & Design

Plan View

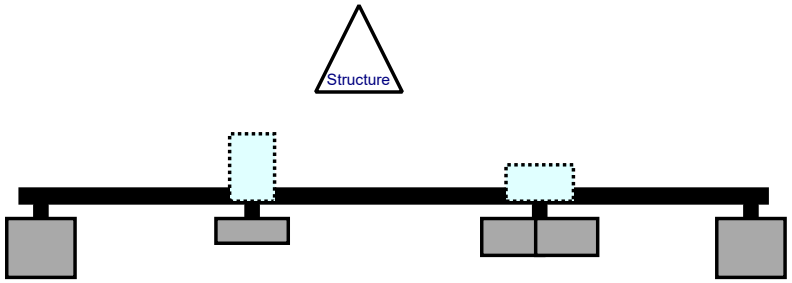


Front View - Looking at Structure

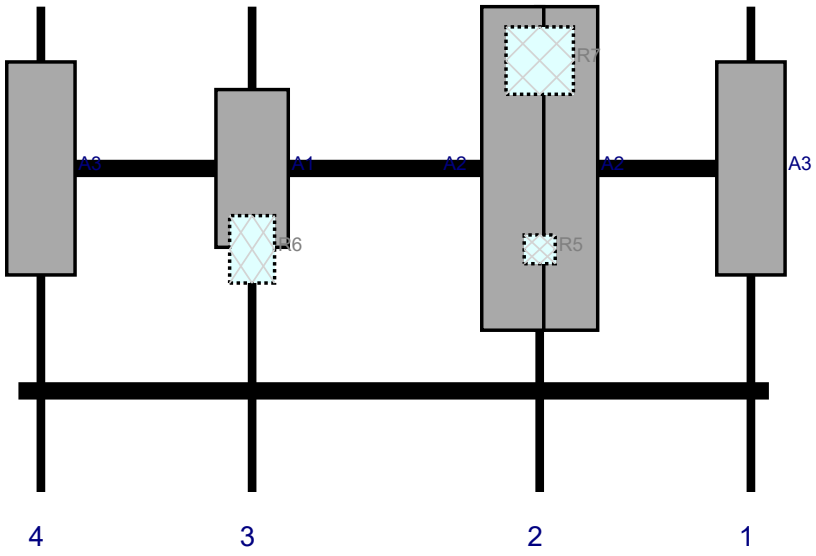


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	LPA-80080-4CF-EDIN-0	47.2	5.5	163	1	a	Front	36	0	Retained	06/27/2022
A2	JAHH-65B-R3B	72	13.8	116	2	a	Front	36	6	Retained	06/27/2022
A2	JAHH-65B-R3B	72	13.8	116	2	b	Front	36	-6	Retained	06/27/2022
R5	CBC78T-DS-43-2X	6.4	6.9	116	2	a	Behind	54	0	Retained	06/27/2022
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	116	2	a	Behind	12	0	Retained	06/27/2022
A10	BSF0020F3V1-1	10.6	10.9	116	2	a	Behind	72	0	Added	
A10	BSF0020F3V1-1	10.6	10.9	116	2	b	Front	72	0	Added	
A1	MT6407-77A	35.1	16.1	52	3	a	Front	36	0	Retained	06/27/2022
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	10	52	3	a	Behind	54	0	Retained	06/27/2022
A4	LPA-80080-4CF-EDIN-0	47.2	5.5	5	4	a	Front	36	0	Retained	06/27/2022
M101	RRFDC-3315-PF-48	0	15.7		Member					Retained	06/27/2022
M157	RRFDC-3315-PF-48	0	15.7		Member					Retained	06/27/2022

Plan View

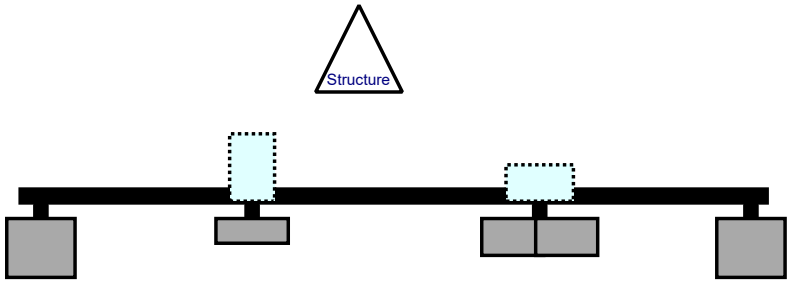


Front View - Looking at Structure

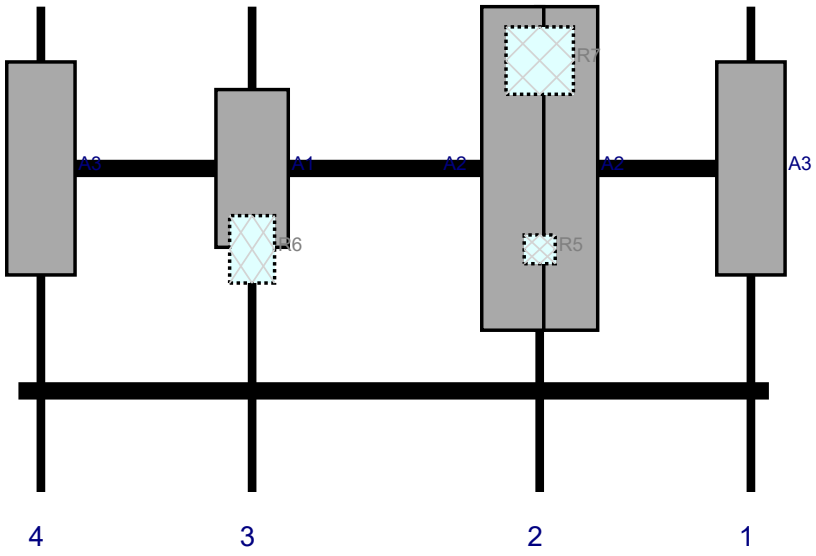


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LPA-80063-4CF-EDIN-8	47.4	15.2	163	1	a	Front	36	0	Retained	06/27/2022
A2	JAHH-65B-R3B	72	13.8	116	2	a	Front	36	6	Retained	06/27/2022
A2	JAHH-65B-R3B	72	13.8	116	2	b	Front	36	-6	Retained	06/27/2022
R5	CBC78T-DS-43-2X	6.4	6.9	116	2	a	Behind	54	0	Retained	06/27/2022
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	116	2	a	Behind	12	0	Retained	06/27/2022
A1	MT6407-77A	35.1	16.1	52	3	a	Front	36	0	Retained	06/27/2022
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	10	52	3	a	Behind	54	0	Retained	06/27/2022
A3	LPA-80063-4CF-EDIN-8	47.4	15.2	5	4	a	Front	36	0	Retained	06/27/2022

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LPA-80063-4CF-EDIN-8	47.4	15.2	163	1	a	Front	36	0	Retained	06/27/2022
A2	JAHH-65B-R3B	72	13.8	116	2	a	Front	36	6	Retained	06/27/2022
A2	JAHH-65B-R3B	72	13.8	116	2	b	Front	36	-6	Retained	06/27/2022
R5	CBC78T-DS-43-2X	6.4	6.9	116	2	a	Behind	54	0	Retained	06/27/2022
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	116	2	a	Behind	12	0	Retained	06/27/2022
A1	MT6407-77A	35.1	16.1	52	3	a	Front	36	0	Retained	06/27/2022
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	10	52	3	a	Behind	54	0	Retained	06/27/2022
A3	LPA-80063-4CF-EDIN-8	47.4	15.2	5	4	a	Front	36	0	Retained	06/27/2022


Jun 27, 2022 at 12:23:39 PM


Jun 27, 2022 at 12:23:37 PM

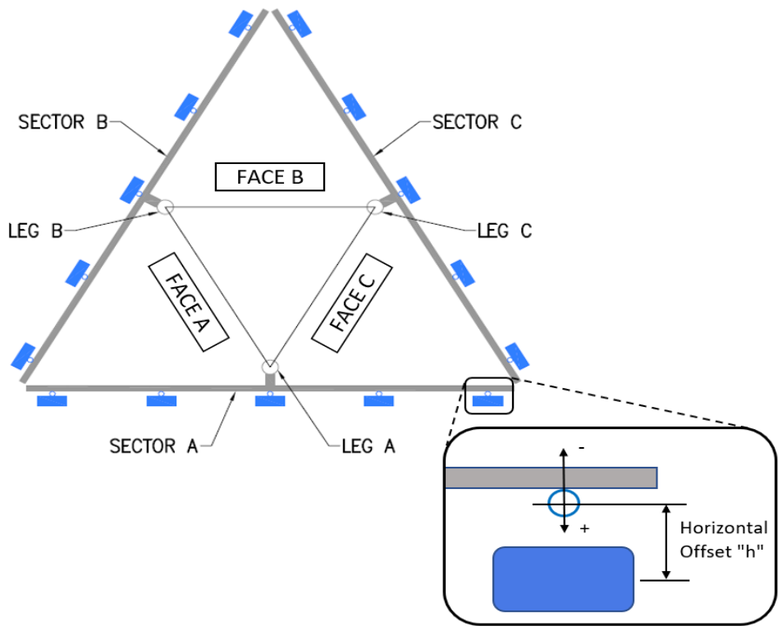
V3.0 Updated on 8-31-2020

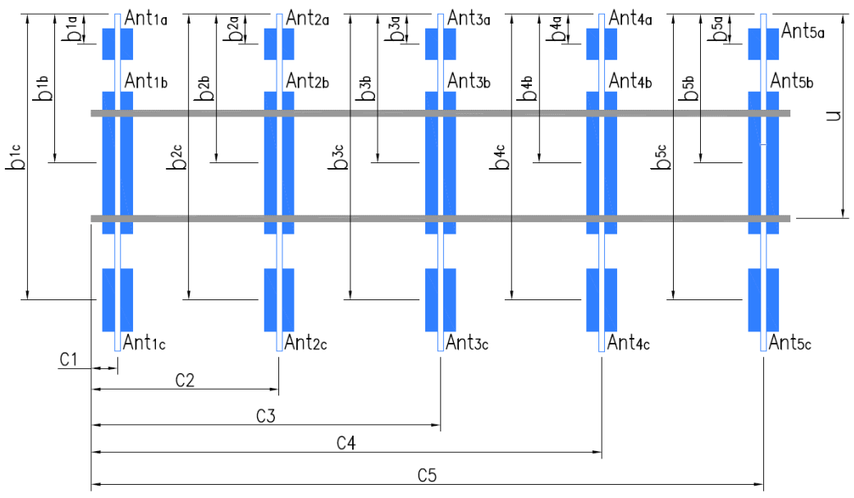
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/23/2021
Site Name:	WESTBROOK 2 CT	**Tower Type:**	Monopole
Site Number or ID:	468781	**Tower Height (Ft.):**	160
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	114

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





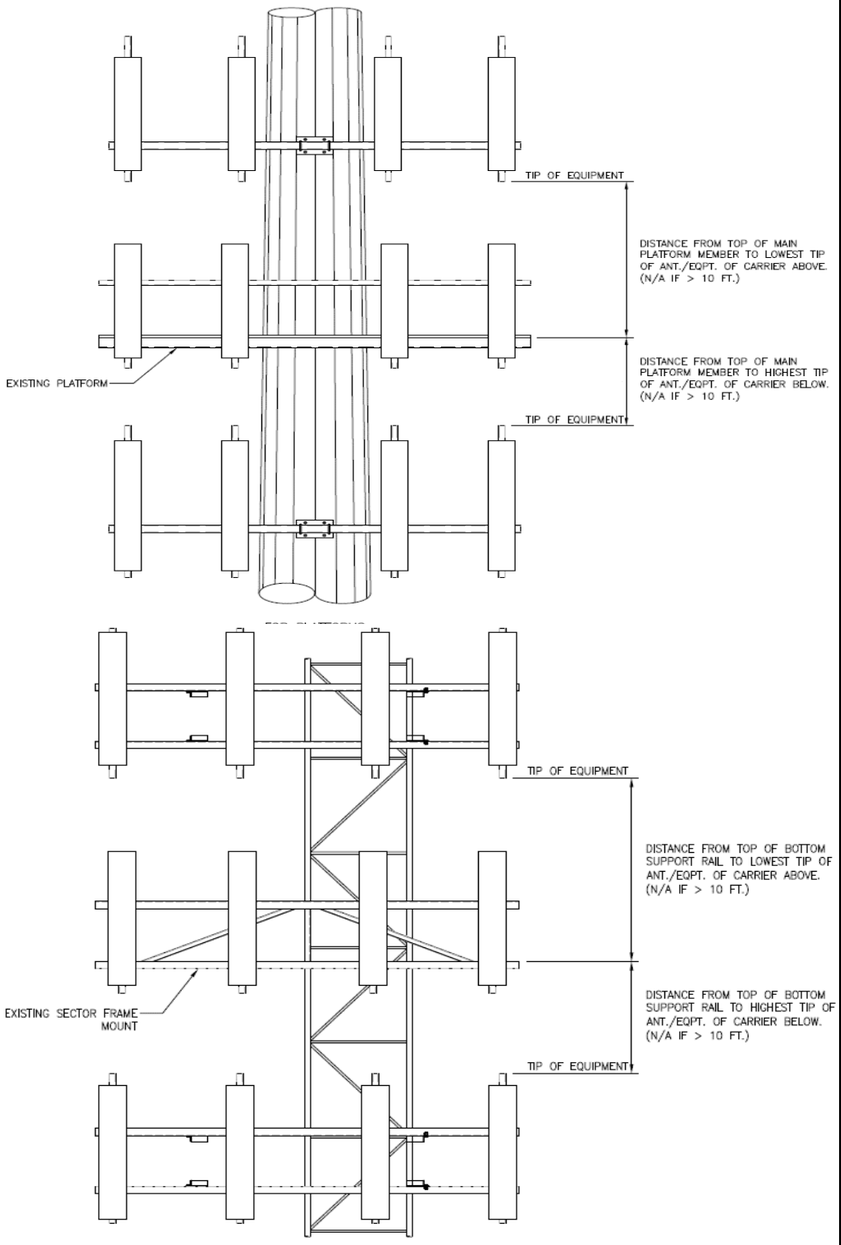
Antenna Layout (Looking Out From Tower)

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	60.00	4.00	C1	2" STD. PIPE X 72" LONG	60.00	4.00
A2	2.5" STD. PIPE X 108" LONG	70.00	51.00	C2	2.5" STD. PIPE X 108" LONG	70.00	51.00
A3	2" STD. PIPE X 72" LONG	60.00	111.00	C3	2" STD. PIPE X 72" LONG	60.00	111.00
A4	2" STD. PIPE X 72" LONG	60.00	159.00	C4	2" STD. PIPE X 72" LONG	60.00	159.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	60.00	4.00	D1			
B2	2.5" STD. PIPE X 108" LONG	70.00	51.00	D2			
B3	2" STD. PIPE X 72" LONG	60.00	111.00	D3			
B4	2" STD. PIPE X 72" LONG	60.00	159.00	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							45.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional infomation or comments below.							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				30	

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA-80080-4CF	6.00	13.00	47.00		113.167	25.00	13.00	40.00	1,15
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.50	10.00	15.50		115.417	8.00	-8.00		2,17
Ant_{2b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		113.083	36.00	14.00	40.00	2,16
Ant_{2c}	(2) CBC78T-DS-43-2X	5.00	7.00	6.50		112.333	45.00	-8.00		2,18
Ant_{3a}										
Ant_{3b}	RFV01U-D1A	15.50	12.00	15.50		112.75	30.00	-9.00		3,19
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80080-4CF	6.00	13.00	47.00		113.167	25.00	13.00	40.00	4,15
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	(2) RRFDC-3315-PF-48	15.00	10.00	28.00						7,8,60
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:	290.00 Deg	N/A
Climbing Facility	Corrosion Type:	Minor corrosion observed.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80063-4CF	15.00	12.00	47.00		113.167	25.00	13.00	180.00	5,21
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.50	10.00	15.50		115.417	8.00	-8.00		6,17
Ant_{2b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		113.083	36.00	14.00	180.00	6,16
Ant_{2c}	(2) CBC78T-DS-43-2X	5.00	7.00	6.50		112.333	45.00	-8.00		6,18
Ant_{3a}										
Ant_{3b}	RFV01U-D1A	15.50	12.00	15.50		112.75	30.00	-9.00		9,19
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-4CF	15.00	12.00	47.00		113.167	25.00	13.00	180.00	10,21
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}	LPA-80063-4CF	15.00	12.00	47.00		113.167	25.00	13.00	280.00	11,21
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.50	10.00	15.50		115.417	8.00	-8.00		12,17
Ant_{2b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		113.083	36.00	14.00	280.00	12,16
Ant_{2c}	(2) CBC78T-DS-43-2X	5.00	7.00	6.50		112.333	45.00	-8.00		12,18
Ant_{3a}										
Ant_{3b}	RFV01U-D1A	15.50	12.00	15.50		112.75	30.00	-9.00		13,19
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-4CF	15.00	12.00	47.00		113.167	25.00	13.00	280.00	14,21
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2	(6) 1-5/8"Ø COAX, (2) 1-1/4"Ø HYBRID	73-76
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.

V3.0 Updated on 8-31-2020

MASER CONSULTING P.A.	Antenna Mount Mapping Form (PATENT PENDING)		FCC #
Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/23/2021
Site Name:	WESTBROOK 2 CT	**Tower Type:**	Monopole
Site Number or ID:	468781	**Tower Height (Ft.):**	160
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	114

Please Insert Sketches of the Antenna Mount

3/24/2021

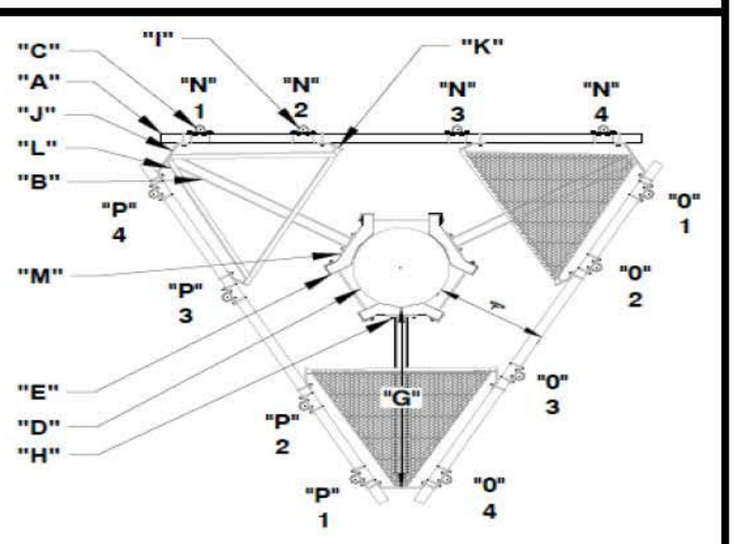
HDG HUDSON Design Group LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

MOUNT MAPPING CHECKLIST

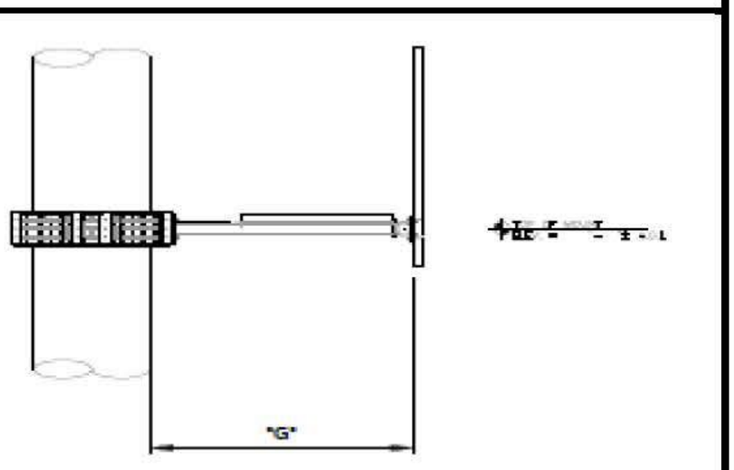
CARRIER:	VERIZON	SITE #:		SITE NAME:	Westbrook 2 CT
DATE:	3/23/2021	MAPPED BY:	PROVERTIC JC	SITE OWNER:	

DESCRIPTION	STATUS	Value
A: FACE PIPE CONFIG.	☐	
SIZE		3-1/2"
LENGTH		167"
B: STAND OFF SIZE	☐	4x4x3/16
C: ANTENNA PIPE MAST	☐	2" STD, #2 2.5" STD
DIA.		
LENGTH		6', #2 9'
D: MONOPOLE DIA.	☐	30
E: RINGMOUNT	☐	10"x 3/8"
F: TOWER TO FACE	☐	38"
G: TOWER TO APEX	☐	69"
H: HARDWARE	☐	5/8"Ø
I: U-BOLTS	☐	1/2"Ø
J: A PLATE	☐	6"x 3.5"x 12.5"x 1/2"
K: B PLATE	☐	6"x 5.5"x 3" x 3/8"
L: ANGLE	☐	2"X2"
M: MOUNTING PLATE	☐	10"x 10"x 5/8"
N: ALPHA POS 1	☐	LPA-80080-4CF
ALPHA POS 2	☐	(2) JAHH-65B-R3B
ALPHA POS 3	☐	RFV01U-D1A
ALPHA POS 4	☐	LPA-80080-4CF
O: BETA POS 1	☐	LPA-80063-4CF
BETA POS 2	☐	(2) JAHH-65B-R3B
BETA POS 3	☐	RFV01U-D1A
BETA POS 4	☐	LPA-80063-4CF
P: GAMMA POS 1	☐	LPA-80063-4CF
GAMMA POS 2	☐	(2) JAHH-65B-R3B
GAMMA POS 3	☐	RFV01U-D1A
GAMMA POS 4	☐	LPA-80063-4CF
Q: TMA QTY. 4	☐	(6) E1405P50
R: RADIOS	☐	(3) RFV01U-D1A (3) RFV01U
S: SURGE QTY. 3	☐	(2) OVP
T: SECOND MOUNT	☐	

Legend



PLAN



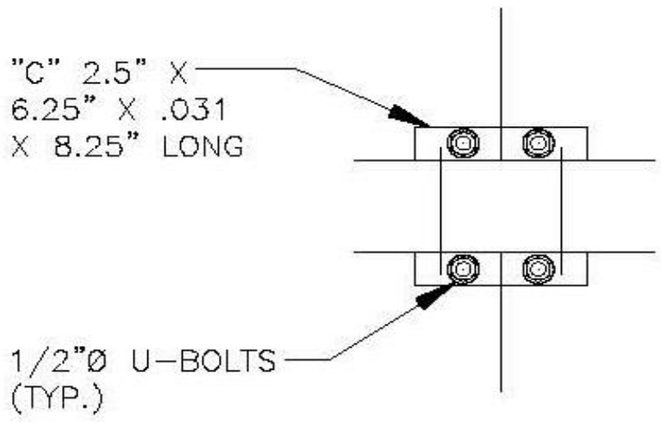
ELEVATION

FACE SKETCH

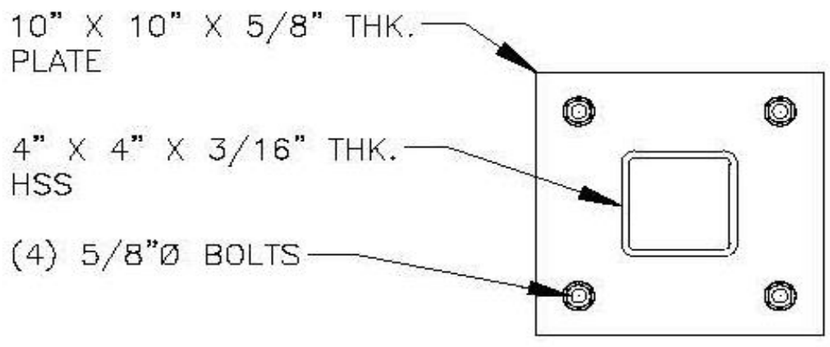
COMMENTS:

Westbrook 2 CT MM AESN 03232021.xls

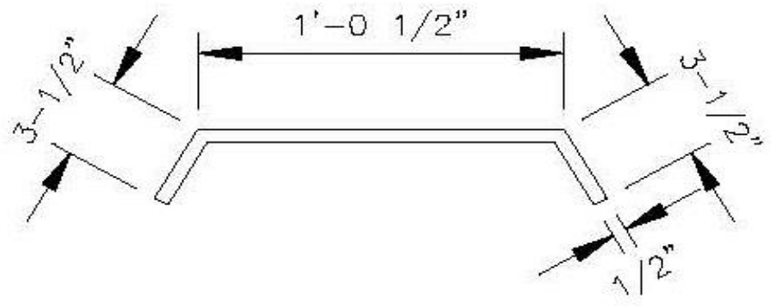
Please Insert Sketches of the Antenna Mount, cont'd



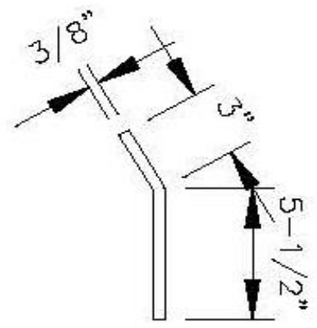
DETAIL A



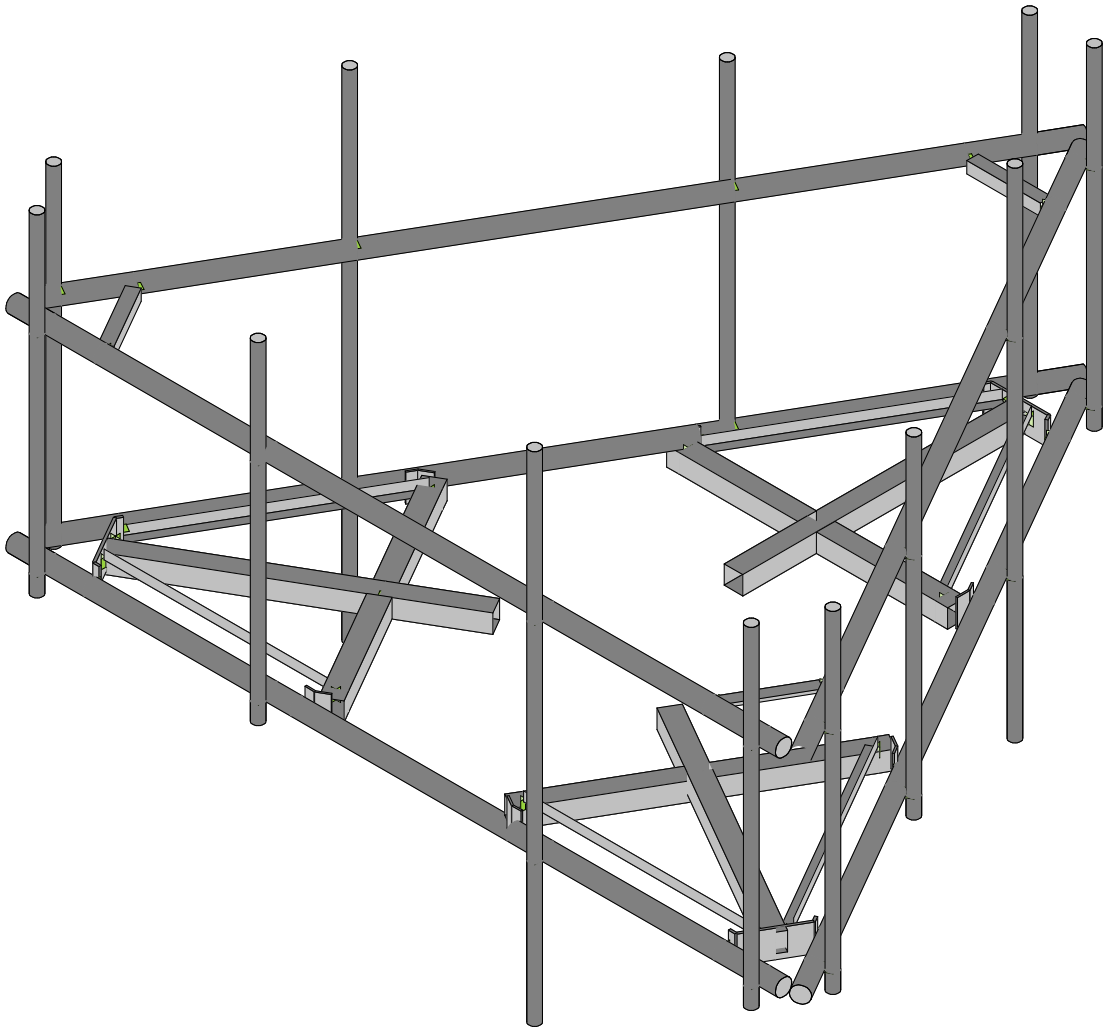
DETAIL B-B



DETAIL C

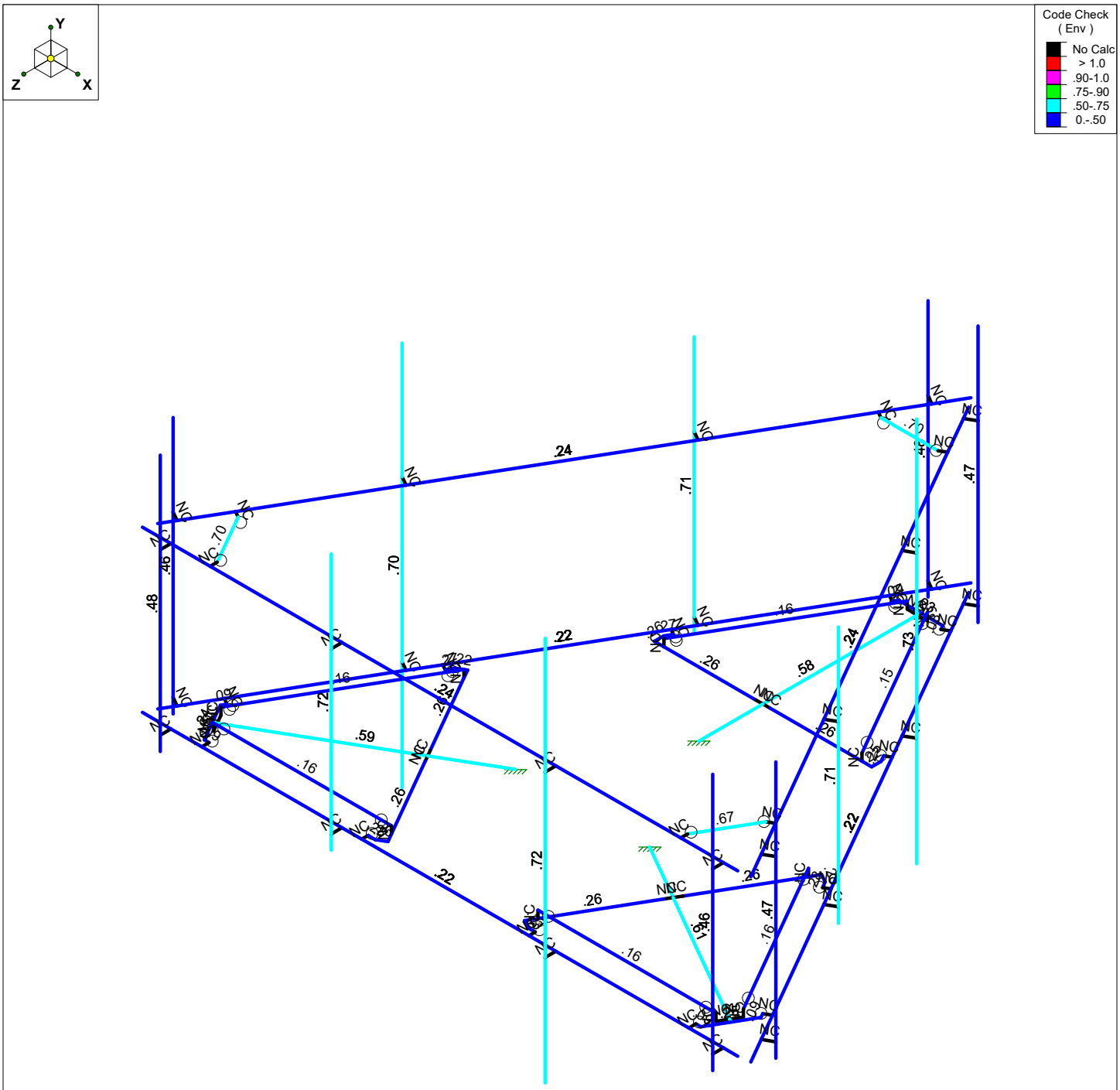


DETAIL D



Envelope Only Solution

		SK - 1
		July 3, 2023 at 3:02 PM
		5000244999-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		July 3, 2023 at 3:02 PM
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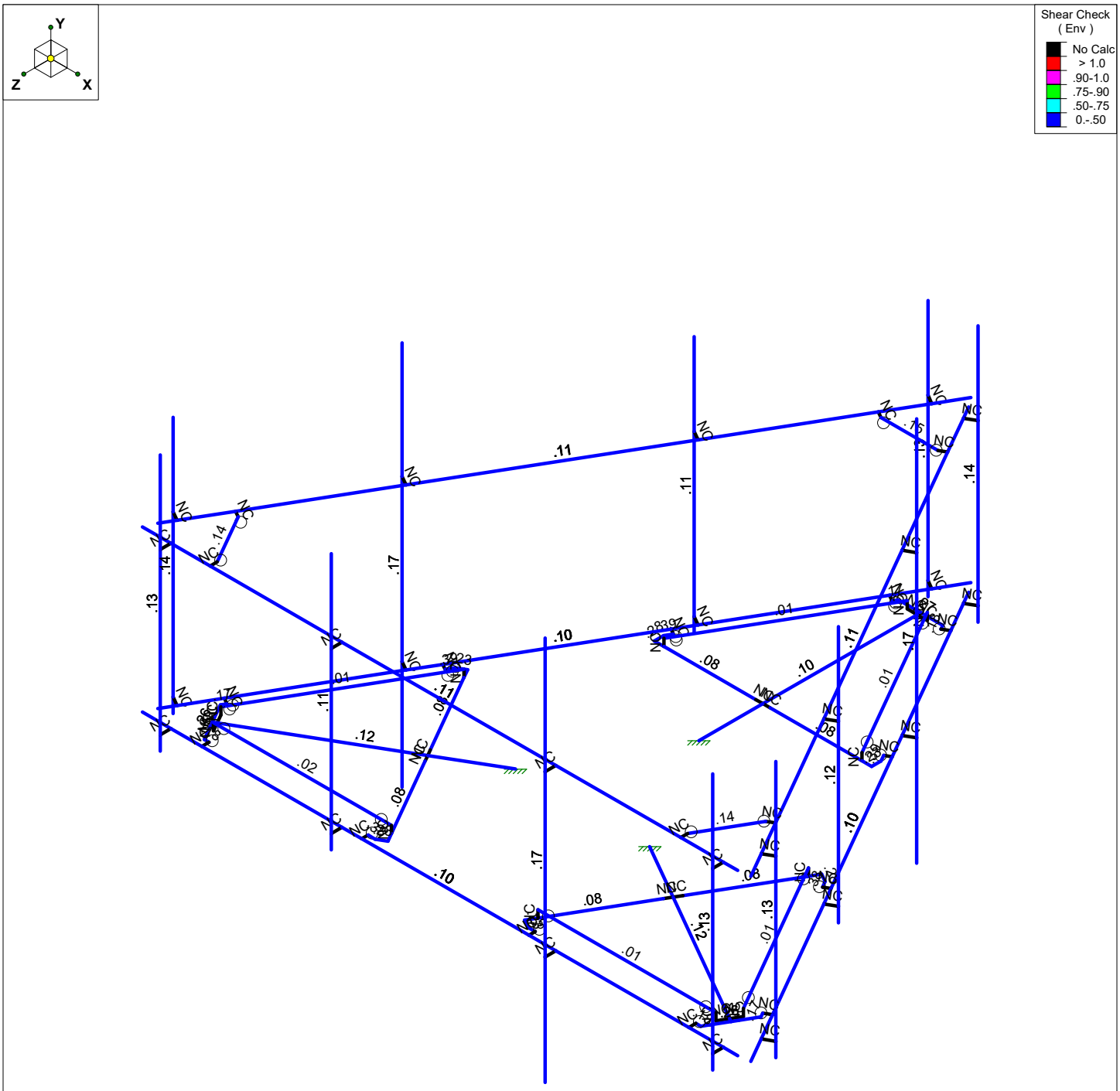


Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		July 3, 2023 at 3:02 PM
		5000244999-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					126			
2	Antenna Di	None					126			
3	Antenna Wo (0 Deg)	None					126			
4	Antenna Wo (30 Deg)	None					126			
5	Antenna Wo (60 Deg)	None					126			
6	Antenna Wo (90 Deg)	None					126			
7	Antenna Wo (120 Deg)	None					126			
8	Antenna Wo (150 Deg)	None					126			
9	Antenna Wo (180 Deg)	None					126			
10	Antenna Wo (210 Deg)	None					126			
11	Antenna Wo (240 Deg)	None					126			
12	Antenna Wo (270 Deg)	None					126			
13	Antenna Wo (300 Deg)	None					126			
14	Antenna Wo (330 Deg)	None					126			
15	Antenna Wi (0 Deg)	None					126			
16	Antenna Wi (30 Deg)	None					126			
17	Antenna Wi (60 Deg)	None					126			
18	Antenna Wi (90 Deg)	None					126			
19	Antenna Wi (120 Deg)	None					126			
20	Antenna Wi (150 Deg)	None					126			
21	Antenna Wi (180 Deg)	None					126			
22	Antenna Wi (210 Deg)	None					126			
23	Antenna Wi (240 Deg)	None					126			
24	Antenna Wi (270 Deg)	None					126			
25	Antenna Wi (300 Deg)	None					126			
26	Antenna Wi (330 Deg)	None					126			
27	Antenna Wm (0 Deg)	None					126			
28	Antenna Wm (30 Deg)	None					126			
29	Antenna Wm (60 Deg)	None					126			
30	Antenna Wm (90 Deg)	None					126			
31	Antenna Wm (120 Deg)	None					126			
32	Antenna Wm (150 Deg)	None					126			
33	Antenna Wm (180 Deg)	None					126			
34	Antenna Wm (210 Deg)	None					126			
35	Antenna Wm (240 Deg)	None					126			
36	Antenna Wm (270 Deg)	None					126			
37	Antenna Wm (300 Deg)	None					126			
38	Antenna Wm (330 Deg)	None					126			
39	Structure D	None		-1					3	
40	Structure Di	None						57	3	
41	Structure Wo (0 Deg)	None						114		
42	Structure Wo (30 Deg)	None						114		
43	Structure Wo (60 Deg)	None						114		
44	Structure Wo (90 Deg)	None						114		
45	Structure Wo (120 Deg)	None						114		
46	Structure Wo (150 Deg)	None						114		
47	Structure Wo (180 Deg)	None						114		
48	Structure Wo (210 Deg)	None						114		
49	Structure Wo (240 Deg)	None						114		
50	Structure Wo (270 Deg)	None						114		
51	Structure Wo (300 Deg)	None						114		
52	Structure Wo (330 Deg)	None						114		
53	Structure Wi (0 Deg)	None						114		
54	Structure Wi (30 Deg)	None						114		
55	Structure Wi (60 Deg)	None						114		
56	Structure Wi (90 Deg)	None						114		
57	Structure Wi (120 Deg)	None						114		
58	Structure Wi (150 Deg)	None						114		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
59	Structure Wi (180 Deg)	None						114		
60	Structure Wi (210 Deg)	None						114		
61	Structure Wi (240 Deg)	None						114		
62	Structure Wi (270 Deg)	None						114		
63	Structure Wi (300 Deg)	None						114		
64	Structure Wi (330 Deg)	None						114		
65	Structure Wm (0 Deg)	None						114		
66	Structure Wm (30 Deg)	None						114		
67	Structure Wm (60 Deg)	None						114		
68	Structure Wm (90 Deg)	None						114		
69	Structure Wm (120 Deg)	None						114		
70	Structure Wm (150 Deg)	None						114		
71	Structure Wm (180 Deg)	None						114		
72	Structure Wm (210 Deg)	None						114		
73	Structure Wm (240 Deg)	None						114		
74	Structure Wm (270 Deg)	None						114		
75	Structure Wm (300 Deg)	None						114		
76	Structure Wm (330 Deg)	None						114		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					126			
82	Antenna Eh (0 Deg)	None					84			
83	Antenna Eh (90 Deg)	None					84			
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 Area L...	None						30		
88	BLC 40 Transient Area L...	None						30		
89	BLC 84 Transient Area L...	None								
90	BLC 85 Transient Area L...	None						30		
91	BLC 86 Transient Area L...	None						30		

Load Combinations

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
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 (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
22	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0...	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 ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N145	-0.17501	0	-7.31792	0	
2	N146	1.569671	0	0.90625	0	
3	N147	4.139542	0	-0.544898	0	
4	N148A	1.711157	0.166667	3.661189	0	
5	N149	4.026261	0.166667	-0.348689	0	
6	N166	2.868709	0	1.65625	0	
7	N167	6.062178	0	3.5	0	
8	N168	0	0	0	0	
9	N169	1.711157	0	3.661189	0	
10	N170	4.026261	0	-0.348689	0	
11	N171	1.597876	0	3.857398	0	
12	N172	2.952042	0	1.511912	0	
13	N173	2.785376	0	1.800588	0	
14	N174	4.328986	0	-0.435523	0	
15	N175	1.787319	0	3.966773	0	
16	N176	1.953986	0	3.966773	0	
17	N177	5.692386	0	3.946544	0	
18	N178	4.412319	0	-0.291185	0	
19	N179	6.264001	0	2.956479	0	
20	N180	1.953986	0	4.112607	0	
21	N181	4.538615	0	-0.364102	0	
22	N182	6.31999	0	3.053456	0	
23	N183	5.804365	0	3.946544	0	
24	N184	5.692386	0	4.112607	0	
25	N185	6.407815	0	2.873448	0	
26	N186	5.990009	0	3.458333	0	
27	N187	5.87289	0.166667	3.661189	0	
28	N188	5.87289	0	3.661189	0	
29	N189	6.107128	0.166667	3.255478	0	
30	N190	6.107128	0	3.255478	0	
31	N191	-0.	0	-1.8125	0	
32	N192	-2.541667	0	-3.3125	0	
33	N193	2.315104	0.166667	-3.3125	0	
34	N194	-2.315104	0.166667	-3.3125	0	
35	N195	-0.	0	-3.3125	0	
36	N196	-0.	0	-7	0	
37	N197	2.315104	0	-3.3125	0	
38	N198	-2.315104	0	-3.3125	0	
39	N199	2.541667	0	-3.3125	0	
40	N200	-0.166667	0	-3.3125	0	
41	N201	0.166667	0	-3.3125	0	
42	N202	-2.541667	0	-3.53125	0	
43	N203	2.541667	0	-3.53125	0	
44	N204	2.458333	0	-3.675588	0	
45	N205	0.571615	0	-6.903023	0	
46	N206	-2.458333	0	-3.675588	0	
47	N207	-0.571615	0	-6.903023	0	
48	N208	2.584629	0	-3.748504	0	
49	N209	-2.584629	0	-3.748504	0	
50	N210	-0.515625	0	-7	0	
51	N211	0.515625	0	-7	0	
52	N212	0.715429	0	-6.986054	0	
53	N213	-0.715429	0	-6.986054	0	
54	N214	-0.	0	-6.916667	0	
55	N215	0.234238	0.166667	-6.916667	0	
56	N216	0.234238	0	-6.916667	0	
57	N217	-0.234238	0.166667	-6.916667	0	
58	N218	-0.234238	0	-6.916667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N219	-1.569671	0	0.90625	0	
60	N220	-1.597876	0	3.857398	0	
61	N221	-4.026261	0.166667	-0.348689	0	
62	N222	-1.711157	0.166667	3.661189	0	
63	N223	-2.868709	0	1.65625	0	
64	N224	-6.062178	0	3.5	0	
65	N225	-4.026261	0	-0.348689	0	
66	N226	-1.711157	0	3.661189	0	
67	N227	-4.139542	0	-0.544898	0	
68	N228	-2.785376	0	1.800588	0	
69	N229	-2.952042	0	1.511912	0	
70	N230	-1.787319	0	3.966773	0	
71	N231	-4.328986	0	-0.435523	0	
72	N232	-4.412319	0	-0.291185	0	
73	N233	-6.264001	0	2.956479	0	
74	N234	-1.953986	0	3.966773	0	
75	N235	-5.692386	0	3.946544	0	
76	N236	-4.538615	0	-0.364102	0	
77	N237	-1.953986	0	4.112607	0	
78	N238	-5.804365	0	3.946544	0	
79	N239	-6.31999	0	3.053456	0	
80	N240	-6.407815	0	2.873448	0	
81	N241	-5.692386	0	4.112607	0	
82	N242	-5.990009	0	3.458333	0	
83	N243	-6.107128	0.166667	3.255478	0	
84	N244	-6.107128	0	3.255478	0	
85	N245	-5.87289	0.166667	3.661189	0	
86	N246	-5.87289	0	3.661189	0	
87	N247	6.833333	0	4.112607	0	
88	N248	-7.083333	0	4.112607	0	
89	N135A	0.144955	0	-7.974144	0	
90	N136	7.103288	0	4.078043	0	
91	N139	-6.978288	0	3.861537	0	
92	N140	-0.019955	0	-8.19065	0	
93	N109	6.833333	3.75	4.112607	0	
94	N110	-7.083333	3.75	4.112607	0	
95	N119	0.144955	3.75	-7.974144	0	
96	N120	7.103288	3.75	4.078043	0	
97	N121	-6.978288	3.75	3.861537	0	
98	N122	-0.019955	3.75	-8.19065	0	
99	N99	6.5	0	4.112607	0	
100	N100	6.5	3.75	4.112607	0	
101	N101	6.5	0	4.362607	0	
102	N102	6.5	3.75	4.362607	0	
103	N103	2.583333	0	4.112607	0	
104	N104	2.583333	3.75	4.112607	0	
105	N105	2.583333	0	4.362607	0	
106	N106	2.583333	3.75	4.362607	0	
107	N107	-2.416667	0	4.112607	0	
108	N108	-2.416667	3.75	4.112607	0	
109	N109A	-2.416667	0	4.362607	0	
110	N110A	-2.416667	3.75	4.362607	0	
111	N111	-6.416667	0	4.112607	0	
112	N112	-6.416667	3.75	4.112607	0	
113	N113	-6.416667	0	4.362607	0	
114	N114	-6.416667	3.75	4.362607	0	
115	N115	6.5	5.666667	4.362607	0	
116	N116	6.5	-0.333333	4.362607	0	
117	N117	2.583333	6.458333	4.362607	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
118	N118	2.583333	-2.541667	4.362607	0	
119	N119A	-2.416667	5.666667	4.362607	0	
120	N120A	-2.416667	-0.333333	4.362607	0	
121	N121A	-6.416667	5.666667	4.362607	0	
122	N122A	-6.416667	-0.333333	4.362607	0	
123	N125	0.311622	0	-7.685468	0	
124	N126	0.311622	3.75	-7.685468	0	
125	N127	0.528128	0	-7.810468	0	
126	N128	0.528128	3.75	-7.810468	0	
127	N129	2.269955	0	-4.293536	0	
128	N130	2.269955	3.75	-4.293536	0	
129	N131	2.486461	0	-4.418536	0	
130	N132	2.486461	3.75	-4.418536	0	
131	N133	4.769955	0	0.036591	0	
132	N134	4.769955	3.75	0.036591	0	
133	N135	4.986461	0	-0.088409	0	
134	N136A	4.986461	3.75	-0.088409	0	
135	N137	6.769955	0	3.500693	0	
136	N138	6.769955	3.75	3.500693	0	
137	N139A	6.986461	0	3.375693	0	
138	N140A	6.986461	3.75	3.375693	0	
139	N141	0.528128	5.666667	-7.810468	0	
140	N142	0.528128	-0.333333	-7.810468	0	
141	N143	2.486461	6.458333	-4.418536	0	
142	N144	2.486461	-2.541667	-4.418536	0	
143	N145A	4.986461	5.666667	-0.088409	0	
144	N146A	4.986461	-0.333333	-0.088409	0	
145	N147A	6.986461	5.666667	3.375693	0	
146	N148	6.986461	-0.333333	3.375693	0	
147	N151	-6.811622	0	3.572862	0	
148	N152	-6.811622	3.75	3.572862	0	
149	N153	-7.028128	0	3.447862	0	
150	N154	-7.028128	3.75	3.447862	0	
151	N155	-4.853288	0	0.180929	0	
152	N156	-4.853288	3.75	0.180929	0	
153	N157	-5.069795	0	0.055929	0	
154	N158	-5.069795	3.75	0.055929	0	
155	N159	-2.353288	0	-4.149198	0	
156	N160	-2.353288	3.75	-4.149198	0	
157	N161	-2.569795	0	-4.274198	0	
158	N162	-2.569795	3.75	-4.274198	0	
159	N163	-0.353288	0	-7.6133	0	
160	N164	-0.353288	3.75	-7.6133	0	
161	N165	-0.569795	0	-7.7383	0	
162	N166A	-0.569795	3.75	-7.7383	0	
163	N167A	-7.028128	5.666667	3.447862	0	
164	N168A	-7.028128	-0.333333	3.447862	0	
165	N169A	-5.069795	6.458333	0.055929	0	
166	N170A	-5.069795	-2.541667	0.055929	0	
167	N171A	-2.569795	5.666667	-4.274198	0	
168	N172A	-2.569795	-0.333333	-4.274198	0	
169	N173A	-0.569795	5.666667	-7.7383	0	
170	N174A	-0.569795	-0.333333	-7.7383	0	
171	N171B	-5.5	3.75	4.112607	0	
172	N172B	-5.5	3.75	3.94594	0	
173	N173B	5.5	3.75	4.112607	0	
174	N174B	5.5	3.75	3.94594	0	
175	N176A	6.311622	3.75	2.706836	0	
176	N177A	6.167284	3.75	2.79017	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
177	N178A	0.811622	3.75	-6.819443	0	
178	N179A	0.667284	3.75	-6.73611	0	
179	N181A	-0.811622	3.75	-6.819443	0	
180	N182A	-0.667284	3.75	-6.73611	0	
181	N183A	-6.311622	3.75	2.706836	0	
182	N184A	-6.167284	3.75	2.79017	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X3	Beam	SquareTube	A500 Gr.B ...	Typical	2.58	6.21	6.21	10
3	Corner Plate	PL1/2X6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmem...	HSS4X4X3	Beam	SquareTube	A500 Gr.B ...	Typical	2.58	6.21	6.21	10
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Connection Handrail	L2.5x2.5x4	Column	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M101	N146	N167			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M102	N171	N173			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
3	M111	N172	N147			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M112	N182	N183			Corner Plate	Beam	BAR	A36 Gr.36	Typical
5	M113	N149	N170			RIGID	None	None	RIGID	Typical
6	M114	N148A	N169			RIGID	None	None	RIGID	Typical
7	M115	N187	N148A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M116	N149	N189			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M117	N189	N190			RIGID	None	None	RIGID	Typical
10	M118	N172	N166			RIGID	None	None	RIGID	Typical
11	M119	N166	N173			RIGID	None	None	RIGID	Typical
12	M120	N171	N175			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M121	N175	N176			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M122	N176	N180			RIGID	None	None	RIGID	Typical
15	M123	N183	N177			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M124	N177	N184			RIGID	None	None	RIGID	Typical
17	M125	N147	N174			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M126	N174	N178			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M127	N178	N181			RIGID	None	None	RIGID	Typical
20	M128	N182	N179			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M129	N179	N185			RIGID	None	None	RIGID	Typical
22	M130	N190	N186			RIGID	None	None	RIGID	Typical
23	M131	N186	N188			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
24	M132	N187	N188			RIGID	None	None	RIGID	Typical
25	M133	N191	N196			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
26	M134	N199	N201			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
27	M135	N200	N192			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M136	N210	N211			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M137	N194	N198			RIGID	None	None	RIGID	Typical
30	M138	N193	N197			RIGID	None	None	RIGID	Typical
31	M139	N215	N193			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M140	N194	N217			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M141	N217	N218			RIGID	None	None	RIGID	Typical
34	M142	N200	N195			RIGID	None	None	RIGID	Typical
35	M143	N195	N201			RIGID	None	None	RIGID	Typical
36	M144	N199	N203			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M145	N203	N204			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M146	N204	N208			RIGID	None	None	RIGID	Typical
39	M147	N211	N205			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M148	N205	N212			RIGID	None	None	RIGID	Typical
41	M149	N192	N202			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M150	N202	N206			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M151	N206	N209			RIGID	None	None	RIGID	Typical
44	M152	N210	N207			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M153	N207	N213			RIGID	None	None	RIGID	Typical
46	M154	N218	N214			RIGID	None	None	RIGID	Typical
47	M155	N214	N216			RIGID	None	None	RIGID	Typical
48	M156	N215	N216			RIGID	None	None	RIGID	Typical
49	M157	N219	N224			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
50	M158	N227	N229			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
51	M159	N228	N220			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
52	M160	N238	N239			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M161	N222	N226			RIGID	None	None	RIGID	Typical
54	M162	N221	N225			RIGID	None	None	RIGID	Typical
55	M163	N243	N221			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M164	N222	N245			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M165	N245	N246			RIGID	None	None	RIGID	Typical
58	M166	N228	N223			RIGID	None	None	RIGID	Typical
59	M167	N223	N229			RIGID	None	None	RIGID	Typical
60	M168	N227	N231			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M169	N231	N232			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M170	N232	N236			RIGID	None	None	RIGID	Typical
63	M171	N239	N233			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M172	N233	N240			RIGID	None	None	RIGID	Typical
65	M173	N220	N230			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M174	N230	N234			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M175	N234	N237			RIGID	None	None	RIGID	Typical
68	M176	N238	N235			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M177	N235	N241			RIGID	None	None	RIGID	Typical
70	M178	N246	N242			RIGID	None	None	RIGID	Typical
71	M179	N242	N244			RIGID	None	None	RIGID	Typical
72	M180	N243	N244			RIGID	None	None	RIGID	Typical
73	M181	N247	N248			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M106	N135A	N136			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M108	N139	N140			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M84	N109	N110			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
77	M88	N119	N120			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
78	M89	N121	N122			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
79	M79	N99	N101			RIGID	None	None	RIGID	Typical
80	M80	N100	N102			RIGID	None	None	RIGID	Typical
81	M81	N103	N105			RIGID	None	None	RIGID	Typical
82	M82	N104	N106			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
83	M83	N107	N109A			RIGID	None	None	RIGID	Typical
84	M84A	N108	N110A			RIGID	None	None	RIGID	Typical
85	M85	N111	N113			RIGID	None	None	RIGID	Typical
86	M86	N112	N114			RIGID	None	None	RIGID	Typical
87	MP1A	N115	N116			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	MP2A	N117	N118			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP3A	N119A	N120A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP4A	N121A	N122A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	M91	N125	N127			RIGID	None	None	RIGID	Typical
92	M92	N126	N128			RIGID	None	None	RIGID	Typical
93	M93	N129	N131			RIGID	None	None	RIGID	Typical
94	M94	N130	N132			RIGID	None	None	RIGID	Typical
95	M95	N133	N135			RIGID	None	None	RIGID	Typical
96	M96	N134	N136A			RIGID	None	None	RIGID	Typical
97	M97	N137	N139A			RIGID	None	None	RIGID	Typical
98	M98	N138	N140A			RIGID	None	None	RIGID	Typical
99	MP1C	N141	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	MP2C	N143	N144			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	MP3C	N145A	N146A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	MP4C	N147A	N148			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	M103	N151	N153			RIGID	None	None	RIGID	Typical
104	M104	N152	N154			RIGID	None	None	RIGID	Typical
105	M105	N155	N157			RIGID	None	None	RIGID	Typical
106	M106A	N156	N158			RIGID	None	None	RIGID	Typical
107	M107	N159	N161			RIGID	None	None	RIGID	Typical
108	M108A	N160	N162			RIGID	None	None	RIGID	Typical
109	M109	N163	N165			RIGID	None	None	RIGID	Typical
110	M110	N164	N166A			RIGID	None	None	RIGID	Typical
111	MP1B	N167A	N168A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
112	MP2B	N169A	N170A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
113	MP3B	N171A	N172A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
114	MP4B	N173A	N174A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
115	M115A	N171B	N172B			RIGID	None	None	RIGID	Typical
116	M116A	N173B	N174B			RIGID	None	None	RIGID	Typical
117	M117A	N176A	N177A			RIGID	None	None	RIGID	Typical
118	M118A	N178A	N179A			RIGID	None	None	RIGID	Typical
119	M119A	N181A	N182A			RIGID	None	None	RIGID	Typical
120	M120A	N183A	N184A			RIGID	None	None	RIGID	Typical
121	M121A	N172B	N184A		180	Connection Ha...	Column	Single Angle	A36 Gr.36	Typical
122	M122A	N177A	N174B		180	Connection Ha...	Column	Single Angle	A36 Gr.36	Typical
123	M123A	N182A	N179A		180	Connection Ha...	Column	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M101						Yes				None
2	M102						Yes	Default			None
3	M111						Yes	Default			None
4	M112						Yes	Default			None
5	M113						Yes	** NA **			None
6	M114						Yes	** NA **			None
7	M115	OOOOOX	OOOOOX				Yes	Default			None
8	M116	OOOOOX	OOOOOX				Yes	Default			None
9	M117						Yes	** NA **			None
10	M118						Yes	** NA **			None
11	M119						Yes	** NA **			None
12	M120						Yes	** NA **			None
13	M121						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...
14	M122		BenPIN				Yes	** NA **			None
15	M123						Yes				None
16	M124		BenPIN				Yes	** NA **			None
17	M125						Yes	** NA **			None
18	M126						Yes	** NA **			None
19	M127		BenPIN				Yes	** NA **			None
20	M128						Yes				None
21	M129		BenPIN				Yes	** NA **			None
22	M130						Yes	** NA **			None
23	M131						Yes	** NA **			None
24	M132						Yes	** NA **			None
25	M133						Yes	Default			None
26	M134						Yes	Default			None
27	M135						Yes	Default			None
28	M136						Yes	Default			None
29	M137						Yes	** NA **			None
30	M138						Yes	** NA **			None
31	M139	OOOOOX	OOOOOX				Yes	Default			None
32	M140	OOOOOX	OOOOOX				Yes	Default			None
33	M141						Yes	** NA **			None
34	M142						Yes	** NA **			None
35	M143						Yes	** NA **			None
36	M144						Yes	** NA **			None
37	M145						Yes	** NA **			None
38	M146		BenPIN				Yes	** NA **			None
39	M147						Yes				None
40	M148		BenPIN				Yes	** NA **			None
41	M149						Yes	** NA **			None
42	M150						Yes	** NA **			None
43	M151		BenPIN				Yes	** NA **			None
44	M152						Yes				None
45	M153		BenPIN				Yes	** NA **			None
46	M154						Yes	** NA **			None
47	M155						Yes	** NA **			None
48	M156						Yes	** NA **			None
49	M157						Yes				None
50	M158						Yes	Default			None
51	M159						Yes	Default			None
52	M160						Yes	Default			None
53	M161						Yes	** NA **			None
54	M162						Yes	** NA **			None
55	M163	OOOOOX	OOOOOX				Yes	Default			None
56	M164	OOOOOX	OOOOOX				Yes	Default			None
57	M165						Yes	** NA **			None
58	M166						Yes	** NA **			None
59	M167						Yes	** NA **			None
60	M168						Yes	** NA **			None
61	M169						Yes	** NA **			None
62	M170		BenPIN				Yes	** NA **			None
63	M171						Yes				None
64	M172		BenPIN				Yes	** NA **			None
65	M173						Yes	** NA **			None
66	M174						Yes	** NA **			None
67	M175		BenPIN				Yes	** NA **			None
68	M176						Yes				None
69	M177		BenPIN				Yes	** NA **			None
70	M178						Yes	** NA **			None
71	M179						Yes	** NA **			None
72	M180						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...
73	M181						Yes	Default			None
74	M106						Yes	Default			None
75	M108						Yes	Default			None
76	M84						Yes	Default			None
77	M88						Yes	Default			None
78	M89						Yes	Default			None
79	M79						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	MP1A						Yes	** NA **			None
88	MP2A						Yes	** NA **			None
89	MP3A						Yes	** NA **			None
90	MP4A						Yes	** NA **			None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	MP1C						Yes	** NA **			None
100	MP2C						Yes	** NA **			None
101	MP3C						Yes	** NA **			None
102	MP4C						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106A						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108A						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	MP1B						Yes	** NA **			None
112	MP2B						Yes	** NA **			None
113	MP3B						Yes	** NA **			None
114	MP4B						Yes	** NA **			None
115	M115A	OOOOOX					Yes	** NA **			None
116	M116A	OOOOOX					Yes	** NA **			None
117	M117A	OOOOOX					Yes	** NA **			None
118	M118A	OOOOOX					Yes	** NA **			None
119	M119A	OOOOOX					Yes	** NA **			None
120	M120A	OOOOOX					Yes	** NA **			None
121	M121A						Yes	** NA **			None
122	M122A						Yes	** NA **			None
123	M123A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-43.55	.5
2	MP3A	My	-.021	.5
3	MP3A	Mz	-.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	Y	-43.55	5.5
5	MP3A	My	-.021	5.5
6	MP3A	Mz	-.004	5.5
7	MP3B	Y	-43.55	.5
8	MP3B	My	.014	.5
9	MP3B	Mz	-.017	.5
10	MP3B	Y	-43.55	5.5
11	MP3B	My	.014	5.5
12	MP3B	Mz	-.017	5.5
13	MP3C	Y	-43.55	.5
14	MP3C	My	.007	.5
15	MP3C	Mz	.02	.5
16	MP3C	Y	-43.55	5.5
17	MP3C	My	.007	5.5
18	MP3C	Mz	.02	5.5
19	MP2A	Y	-31.65	.5
20	MP2A	My	-.018	.5
21	MP2A	Mz	.013	.5
22	MP2A	Y	-31.65	5.5
23	MP2A	My	-.018	5.5
24	MP2A	Mz	.013	5.5
25	MP2B	Y	-31.65	.5
26	MP2B	My	-.002	.5
27	MP2B	Mz	-.022	.5
28	MP2B	Y	-31.65	5.5
29	MP2B	My	-.002	5.5
30	MP2B	Mz	-.022	5.5
31	MP2C	Y	-31.65	.5
32	MP2C	My	.02	.5
33	MP2C	Mz	.009	.5
34	MP2C	Y	-31.65	5.5
35	MP2C	My	.02	5.5
36	MP2C	Mz	.009	5.5
37	MP2A	Y	-31.65	.5
38	MP2A	My	-.013	.5
39	MP2A	Mz	-.018	.5
40	MP2A	Y	-31.65	5.5
41	MP2A	My	-.013	5.5
42	MP2A	Mz	-.018	5.5
43	MP2B	Y	-31.65	.5
44	MP2B	My	.022	.5
45	MP2B	Mz	-.002	.5
46	MP2B	Y	-31.65	5.5
47	MP2B	My	.022	5.5
48	MP2B	Mz	-.002	5.5
49	MP2C	Y	-31.65	.5
50	MP2C	My	-.009	.5
51	MP2C	Mz	.02	.5
52	MP2C	Y	-31.65	5.5
53	MP2C	My	-.009	5.5
54	MP2C	Mz	.02	5.5
55	MP1B	Y	-10	.5
56	MP1B	My	.003	.5
57	MP1B	Mz	-.004	.5
58	MP1B	Y	-10	5.5
59	MP1B	My	.003	5.5
60	MP1B	Mz	-.004	5.5
61	MP1C	Y	-10	.5
62	MP1C	My	.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1C	Mz	.005	.5
64	MP1C	Y	-10	5.5
65	MP1C	My	.002	5.5
66	MP1C	Mz	.005	5.5
67	MP4B	Y	-10	.5
68	MP4B	My	.003	.5
69	MP4B	Mz	-.004	.5
70	MP4B	Y	-10	5.5
71	MP4B	My	.003	5.5
72	MP4B	Mz	-.004	5.5
73	MP4C	Y	-10	.5
74	MP4C	My	.002	.5
75	MP4C	Mz	.005	.5
76	MP4C	Y	-10	5.5
77	MP4C	My	.002	5.5
78	MP4C	Mz	.005	5.5
79	MP1A	Y	-6	.5
80	MP1A	My	-.003	.5
81	MP1A	Mz	-.000521	.5
82	MP1A	Y	-6	5.5
83	MP1A	My	-.003	5.5
84	MP1A	Mz	-.000521	5.5
85	MP4A	Y	-6	.5
86	MP4A	My	-.003	.5
87	MP4A	Mz	-.000521	.5
88	MP4A	Y	-6	5.5
89	MP4A	My	-.003	5.5
90	MP4A	Mz	-.000521	5.5
91	MP2A	Y	-10.4	4.5
92	MP2A	My	.005	4.5
93	MP2A	Mz	.000903	4.5
94	MP2B	Y	-10.4	4.5
95	MP2B	My	-.003	4.5
96	MP2B	Mz	.004	4.5
97	MP2C	Y	-10.4	4.5
98	MP2C	My	-.002	4.5
99	MP2C	Mz	-.005	4.5
100	MP3A	Y	-84.4	4.5
101	MP3A	My	.042	4.5
102	MP3A	Mz	.007	4.5
103	MP3B	Y	-84.4	4.5
104	MP3B	My	-.027	4.5
105	MP3B	Mz	.032	4.5
106	MP3C	Y	-84.4	4.5
107	MP3C	My	-.014	4.5
108	MP3C	Mz	-.04	4.5
109	MP2A	Y	-70.3	1
110	MP2A	My	.035	1
111	MP2A	Mz	.006	1
112	MP2B	Y	-70.3	1
113	MP2B	My	-.023	1
114	MP2B	Mz	.027	1
115	MP2C	Y	-70.3	1
116	MP2C	My	-.012	1
117	MP2C	Mz	-.033	1
118	M101	Y	-26.9	1
119	M101	My	0	1
120	M101	Mz	0	1
121	M157	Y	-26.9	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
122	M157	My	0	1
123	M157	Mz	0	1
124	MP2A	Y	-17.6	6
125	MP2A	My	.009	6
126	MP2A	Mz	0	6

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-34.858	.5
2	MP3A	My	-.017	.5
3	MP3A	Mz	-.003	.5
4	MP3A	Y	-34.858	5.5
5	MP3A	My	-.017	5.5
6	MP3A	Mz	-.003	5.5
7	MP3B	Y	-34.858	.5
8	MP3B	My	.011	.5
9	MP3B	Mz	-.013	.5
10	MP3B	Y	-34.858	5.5
11	MP3B	My	.011	5.5
12	MP3B	Mz	-.013	5.5
13	MP3C	Y	-34.858	.5
14	MP3C	My	.006	.5
15	MP3C	Mz	.016	.5
16	MP3C	Y	-34.858	5.5
17	MP3C	My	.006	5.5
18	MP3C	Mz	.016	5.5
19	MP2A	Y	-68.49	.5
20	MP2A	My	-.04	.5
21	MP2A	Mz	.028	.5
22	MP2A	Y	-68.49	5.5
23	MP2A	My	-.04	5.5
24	MP2A	Mz	.028	5.5
25	MP2B	Y	-68.49	.5
26	MP2B	My	-.004	.5
27	MP2B	Mz	-.048	.5
28	MP2B	Y	-68.49	5.5
29	MP2B	My	-.004	5.5
30	MP2B	Mz	-.048	5.5
31	MP2C	Y	-68.49	.5
32	MP2C	My	.044	.5
33	MP2C	Mz	.02	.5
34	MP2C	Y	-68.49	5.5
35	MP2C	My	.044	5.5
36	MP2C	Mz	.02	5.5
37	MP2A	Y	-68.49	.5
38	MP2A	My	-.028	.5
39	MP2A	Mz	-.04	.5
40	MP2A	Y	-68.49	5.5
41	MP2A	My	-.028	5.5
42	MP2A	Mz	-.04	5.5
43	MP2B	Y	-68.49	.5
44	MP2B	My	.048	.5
45	MP2B	Mz	-.004	.5
46	MP2B	Y	-68.49	5.5
47	MP2B	My	.048	5.5
48	MP2B	Mz	-.004	5.5
49	MP2C	Y	-68.49	.5
50	MP2C	My	-.02	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP2C	Mz	.044	.5
52	MP2C	Y	-68.49	5.5
53	MP2C	My	-.02	5.5
54	MP2C	Mz	.044	5.5
55	MP1B	Y	-61.55	.5
56	MP1B	My	.02	.5
57	MP1B	Mz	-.024	.5
58	MP1B	Y	-61.55	5.5
59	MP1B	My	.02	5.5
60	MP1B	Mz	-.024	5.5
61	MP1C	Y	-61.55	.5
62	MP1C	My	.011	.5
63	MP1C	Mz	.029	.5
64	MP1C	Y	-61.55	5.5
65	MP1C	My	.011	5.5
66	MP1C	Mz	.029	5.5
67	MP4B	Y	-61.55	.5
68	MP4B	My	.02	.5
69	MP4B	Mz	-.024	.5
70	MP4B	Y	-61.55	5.5
71	MP4B	My	.02	5.5
72	MP4B	Mz	-.024	5.5
73	MP4C	Y	-61.55	.5
74	MP4C	My	.011	.5
75	MP4C	Mz	.029	.5
76	MP4C	Y	-61.55	5.5
77	MP4C	My	.011	5.5
78	MP4C	Mz	.029	5.5
79	MP1A	Y	-39.44	.5
80	MP1A	My	-.019	.5
81	MP1A	Mz	-.003	.5
82	MP1A	Y	-39.44	5.5
83	MP1A	My	-.019	5.5
84	MP1A	Mz	-.003	5.5
85	MP4A	Y	-39.44	.5
86	MP4A	My	-.019	.5
87	MP4A	Mz	-.003	.5
88	MP4A	Y	-39.44	5.5
89	MP4A	My	-.019	5.5
90	MP4A	Mz	-.003	5.5
91	MP2A	Y	-10.482	4.5
92	MP2A	My	.005	4.5
93	MP2A	Mz	.00091	4.5
94	MP2B	Y	-10.482	4.5
95	MP2B	My	-.003	4.5
96	MP2B	Mz	.004	4.5
97	MP2C	Y	-10.482	4.5
98	MP2C	My	-.002	4.5
99	MP2C	Mz	-.005	4.5
100	MP3A	Y	-43.934	4.5
101	MP3A	My	.022	4.5
102	MP3A	Mz	.004	4.5
103	MP3B	Y	-43.934	4.5
104	MP3B	My	-.014	4.5
105	MP3B	Mz	.017	4.5
106	MP3C	Y	-43.934	4.5
107	MP3C	My	-.008	4.5
108	MP3C	Mz	-.021	4.5
109	MP2A	Y	-39.504	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP2A	My	.019	1
111	MP2A	Mz	.003	1
112	MP2B	Y	-39.504	1
113	MP2B	My	-.013	1
114	MP2B	Mz	.015	1
115	MP2C	Y	-39.504	1
116	MP2C	My	-.007	1
117	MP2C	Mz	-.019	1
118	M101	Y	-15.325	1
119	M101	My	0	1
120	M101	Mz	0	1
121	M157	Y	-15.325	1
122	M157	My	0	1
123	M157	Mz	0	1
124	MP2A	Y	-16.944	6
125	MP2A	My	.008	6
126	MP2A	Mz	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	-67.187	.5
3	MP3A	Mx	.006	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-67.187	5.5
6	MP3A	Mx	.006	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-42.172	.5
9	MP3B	Mx	.016	.5
10	MP3B	X	0	5.5
11	MP3B	Z	-42.172	5.5
12	MP3B	Mx	.016	5.5
13	MP3C	X	0	.5
14	MP3C	Z	-28.861	.5
15	MP3C	Mx	-.014	.5
16	MP3C	X	0	5.5
17	MP3C	Z	-28.861	5.5
18	MP3C	Mx	-.014	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-157.641	.5
21	MP2A	Mx	-.064	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-157.641	5.5
24	MP2A	Mx	-.064	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-127.207	.5
27	MP2B	Mx	.09	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-127.207	5.5
30	MP2B	Mx	.09	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-111.014	.5
33	MP2C	Mx	-.033	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-111.014	5.5
36	MP2C	Mx	-.033	5.5
37	MP2A	X	0	.5
38	MP2A	Z	-157.641	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP2A	Mx	.091	.5
40	MP2A	X	0	5.5
41	MP2A	Z	-157.641	5.5
42	MP2A	Mx	.091	5.5
43	MP2B	X	0	.5
44	MP2B	Z	-127.207	.5
45	MP2B	Mx	.008	.5
46	MP2B	X	0	5.5
47	MP2B	Z	-127.207	5.5
48	MP2B	Mx	.008	5.5
49	MP2C	X	0	.5
50	MP2C	Z	-111.014	.5
51	MP2C	Mx	-.071	.5
52	MP2C	X	0	5.5
53	MP2C	Z	-111.014	5.5
54	MP2C	Mx	-.071	5.5
55	MP1B	X	0	.5
56	MP1B	Z	-99.723	.5
57	MP1B	Mx	.038	.5
58	MP1B	X	0	5.5
59	MP1B	Z	-99.723	5.5
60	MP1B	Mx	.038	5.5
61	MP1C	X	0	.5
62	MP1C	Z	-95.781	.5
63	MP1C	Mx	-.045	.5
64	MP1C	X	0	5.5
65	MP1C	Z	-95.781	5.5
66	MP1C	Mx	-.045	5.5
67	MP4B	X	0	.5
68	MP4B	Z	-99.723	.5
69	MP4B	Mx	.038	.5
70	MP4B	X	0	5.5
71	MP4B	Z	-99.723	5.5
72	MP4B	Mx	.038	5.5
73	MP4C	X	0	.5
74	MP4C	Z	-95.781	.5
75	MP4C	Mx	-.045	.5
76	MP4C	X	0	5.5
77	MP4C	Z	-95.781	5.5
78	MP4C	Mx	-.045	5.5
79	MP1A	X	0	.5
80	MP1A	Z	-47.106	.5
81	MP1A	Mx	.004	.5
82	MP1A	X	0	5.5
83	MP1A	Z	-47.106	5.5
84	MP1A	Mx	.004	5.5
85	MP4A	X	0	.5
86	MP4A	Z	-47.106	.5
87	MP4A	Mx	.004	.5
88	MP4A	X	0	5.5
89	MP4A	Z	-47.106	5.5
90	MP4A	Mx	.004	5.5
91	MP2A	X	0	4.5
92	MP2A	Z	-12.819	4.5
93	MP2A	Mx	-.001	4.5
94	MP2B	X	0	4.5
95	MP2B	Z	-10.6	4.5
96	MP2B	Mx	-.004	4.5
97	MP2C	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	-9.419	4.5
99	MP2C	Mx	.004	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	-53.666	4.5
102	MP3A	Mx	-.005	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	-43.738	4.5
105	MP3B	Mx	-.017	4.5
106	MP3C	X	0	4.5
107	MP3C	Z	-38.455	4.5
108	MP3C	Mx	.018	4.5
109	MP2A	X	0	1
110	MP2A	Z	-53.466	1
111	MP2A	Mx	-.005	1
112	MP2B	X	0	1
113	MP2B	Z	-39.839	1
114	MP2B	Mx	-.015	1
115	MP2C	X	0	1
116	MP2C	Z	-32.588	1
117	MP2C	Mx	.015	1
118	M101	X	0	1
119	M101	Z	-65.569	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	-65.569	1
123	M157	Mx	0	1
124	MP2A	X	0	6
125	MP2A	Z	-33.571	6
126	MP2A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	31.642	.5
2	MP3A	Z	-54.806	.5
3	MP3A	Mx	-.011	.5
4	MP3A	X	31.642	5.5
5	MP3A	Z	-54.806	5.5
6	MP3A	Mx	-.011	5.5
7	MP3B	X	12.48	.5
8	MP3B	Z	-21.616	.5
9	MP3B	Mx	.012	.5
10	MP3B	X	12.48	5.5
11	MP3B	Z	-21.616	5.5
12	MP3B	Mx	.012	5.5
13	MP3C	X	24.987	.5
14	MP3C	Z	-43.279	.5
15	MP3C	Mx	-.016	.5
16	MP3C	X	24.987	5.5
17	MP3C	Z	-43.279	5.5
18	MP3C	Mx	-.016	5.5
19	MP2A	X	76.447	.5
20	MP2A	Z	-132.41	.5
21	MP2A	Mx	-.098	.5
22	MP2A	X	76.447	5.5
23	MP2A	Z	-132.41	5.5
24	MP2A	Mx	-.098	5.5
25	MP2B	X	53.134	.5
26	MP2B	Z	-92.03	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	.062	.5
28	MP2B	X	53.134	5.5
29	MP2B	Z	-92.03	5.5
30	MP2B	Mx	.062	5.5
31	MP2C	X	68.35	.5
32	MP2C	Z	-118.386	.5
33	MP2C	Mx	.008	.5
34	MP2C	X	68.35	5.5
35	MP2C	Z	-118.386	5.5
36	MP2C	Mx	.008	5.5
37	MP2A	X	76.447	.5
38	MP2A	Z	-132.41	.5
39	MP2A	Mx	.046	.5
40	MP2A	X	76.447	5.5
41	MP2A	Z	-132.41	5.5
42	MP2A	Mx	.046	5.5
43	MP2B	X	53.134	.5
44	MP2B	Z	-92.03	.5
45	MP2B	Mx	.043	.5
46	MP2B	X	53.134	5.5
47	MP2B	Z	-92.03	5.5
48	MP2B	Mx	.043	5.5
49	MP2C	X	68.35	.5
50	MP2C	Z	-118.386	.5
51	MP2C	Mx	-.096	.5
52	MP2C	X	68.35	5.5
53	MP2C	Z	-118.386	5.5
54	MP2C	Mx	-.096	5.5
55	MP1B	X	47.313	.5
56	MP1B	Z	-81.948	.5
57	MP1B	Mx	.047	.5
58	MP1B	X	47.313	5.5
59	MP1B	Z	-81.948	5.5
60	MP1B	Mx	.047	5.5
61	MP1C	X	51.017	.5
62	MP1C	Z	-88.364	.5
63	MP1C	Mx	-.033	.5
64	MP1C	X	51.017	5.5
65	MP1C	Z	-88.364	5.5
66	MP1C	Mx	-.033	5.5
67	MP4B	X	47.313	.5
68	MP4B	Z	-81.948	.5
69	MP4B	Mx	.047	.5
70	MP4B	X	47.313	5.5
71	MP4B	Z	-81.948	5.5
72	MP4B	Mx	.047	5.5
73	MP4C	X	51.017	.5
74	MP4C	Z	-88.364	.5
75	MP4C	Mx	-.033	.5
76	MP4C	X	51.017	5.5
77	MP4C	Z	-88.364	5.5
78	MP4C	Mx	-.033	5.5
79	MP1A	X	25.67	.5
80	MP1A	Z	-44.462	.5
81	MP1A	Mx	-.009	.5
82	MP1A	X	25.67	5.5
83	MP1A	Z	-44.462	5.5
84	MP1A	Mx	-.009	5.5
85	MP4A	X	25.67	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4A	Z	-44.462	.5
87	MP4A	Mx	-.009	.5
88	MP4A	X	25.67	5.5
89	MP4A	Z	-44.462	5.5
90	MP4A	Mx	-.009	5.5
91	MP2A	X	6.236	4.5
92	MP2A	Z	-10.802	4.5
93	MP2A	Mx	.002	4.5
94	MP2B	X	4.536	4.5
95	MP2B	Z	-7.857	4.5
96	MP2B	Mx	-.004	4.5
97	MP2C	X	5.646	4.5
98	MP2C	Z	-9.779	4.5
99	MP2C	Mx	.004	4.5
100	MP3A	X	26.059	4.5
101	MP3A	Z	-45.135	4.5
102	MP3A	Mx	.009	4.5
103	MP3B	X	18.453	4.5
104	MP3B	Z	-31.962	4.5
105	MP3B	Mx	-.018	4.5
106	MP3C	X	23.417	4.5
107	MP3C	Z	-40.56	4.5
108	MP3C	Mx	.015	4.5
109	MP2A	X	25.67	1
110	MP2A	Z	-44.462	1
111	MP2A	Mx	.009	1
112	MP2B	X	15.231	1
113	MP2B	Z	-26.382	1
114	MP2B	Mx	-.015	1
115	MP2C	X	22.045	1
116	MP2C	Z	-38.183	1
117	MP2C	Mx	.014	1
118	M101	X	10.928	1
119	M101	Z	-18.928	1
120	M101	Mx	0	1
121	M157	X	10.928	1
122	M157	Z	-18.928	1
123	M157	Mx	0	1
124	MP2A	X	13.862	6
125	MP2A	Z	-24.01	6
126	MP2A	Mx	.007	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	36.522	.5
2	MP3A	Z	-21.086	.5
3	MP3A	Mx	-.016	.5
4	MP3A	X	36.522	5.5
5	MP3A	Z	-21.086	5.5
6	MP3A	Mx	-.016	5.5
7	MP3B	X	24.995	.5
8	MP3B	Z	-14.431	.5
9	MP3B	Mx	.014	.5
10	MP3B	X	24.995	5.5
11	MP3B	Z	-14.431	5.5
12	MP3B	Mx	.014	5.5
13	MP3C	X	58.185	.5
14	MP3C	Z	-33.593	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	-.006	.5
16	MP3C	X	58.185	5.5
17	MP3C	Z	-33.593	5.5
18	MP3C	Mx	-.006	5.5
19	MP2A	X	110.165	.5
20	MP2A	Z	-63.604	.5
21	MP2A	Mx	-.09	.5
22	MP2A	X	110.165	5.5
23	MP2A	Z	-63.604	5.5
24	MP2A	Mx	-.09	5.5
25	MP2B	X	96.141	.5
26	MP2B	Z	-55.507	.5
27	MP2B	Mx	.033	.5
28	MP2B	X	96.141	5.5
29	MP2B	Z	-55.507	5.5
30	MP2B	Mx	.033	5.5
31	MP2C	X	136.521	.5
32	MP2C	Z	-78.82	.5
33	MP2C	Mx	.064	.5
34	MP2C	X	136.521	5.5
35	MP2C	Z	-78.82	5.5
36	MP2C	Mx	.064	5.5
37	MP2A	X	110.165	.5
38	MP2A	Z	-63.604	.5
39	MP2A	Mx	-.008	.5
40	MP2A	X	110.165	5.5
41	MP2A	Z	-63.604	5.5
42	MP2A	Mx	-.008	5.5
43	MP2B	X	96.141	.5
44	MP2B	Z	-55.507	.5
45	MP2B	Mx	.071	.5
46	MP2B	X	96.141	5.5
47	MP2B	Z	-55.507	5.5
48	MP2B	Mx	.071	5.5
49	MP2C	X	136.521	.5
50	MP2C	Z	-78.82	.5
51	MP2C	Mx	-.091	.5
52	MP2C	X	136.521	5.5
53	MP2C	Z	-78.82	5.5
54	MP2C	Mx	-.091	5.5
55	MP1B	X	82.949	.5
56	MP1B	Z	-47.89	.5
57	MP1B	Mx	.045	.5
58	MP1B	X	82.949	5.5
59	MP1B	Z	-47.89	5.5
60	MP1B	Mx	.045	5.5
61	MP1C	X	92.779	.5
62	MP1C	Z	-53.566	.5
63	MP1C	Mx	-.009	.5
64	MP1C	X	92.779	5.5
65	MP1C	Z	-53.566	5.5
66	MP1C	Mx	-.009	5.5
67	MP4B	X	82.949	.5
68	MP4B	Z	-47.89	.5
69	MP4B	Mx	.045	.5
70	MP4B	X	82.949	5.5
71	MP4B	Z	-47.89	5.5
72	MP4B	Mx	.045	5.5
73	MP4C	X	92.779	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4C	Z	-53.566	.5
75	MP4C	Mx	-.009	.5
76	MP4C	X	92.779	5.5
77	MP4C	Z	-53.566	5.5
78	MP4C	Mx	-.009	5.5
79	MP1A	X	64.304	.5
80	MP1A	Z	-37.126	.5
81	MP1A	Mx	-.028	.5
82	MP1A	X	64.304	5.5
83	MP1A	Z	-37.126	5.5
84	MP1A	Mx	-.028	5.5
85	MP4A	X	64.304	.5
86	MP4A	Z	-37.126	.5
87	MP4A	Mx	-.028	.5
88	MP4A	X	64.304	5.5
89	MP4A	Z	-37.126	5.5
90	MP4A	Mx	-.028	5.5
91	MP2A	X	9.179	4.5
92	MP2A	Z	-5.3	4.5
93	MP2A	Mx	.004	4.5
94	MP2B	X	8.157	4.5
95	MP2B	Z	-4.709	4.5
96	MP2B	Mx	-.004	4.5
97	MP2C	X	11.101	4.5
98	MP2C	Z	-6.409	4.5
99	MP2C	Mx	.001	4.5
100	MP3A	X	37.878	4.5
101	MP3A	Z	-21.869	4.5
102	MP3A	Mx	.017	4.5
103	MP3B	X	33.303	4.5
104	MP3B	Z	-19.228	4.5
105	MP3B	Mx	-.018	4.5
106	MP3C	X	46.476	4.5
107	MP3C	Z	-26.833	4.5
108	MP3C	Mx	.005	4.5
109	MP2A	X	34.501	1
110	MP2A	Z	-19.919	1
111	MP2A	Mx	.015	1
112	MP2B	X	28.222	1
113	MP2B	Z	-16.294	1
114	MP2B	Mx	-.015	1
115	MP2C	X	46.303	1
116	MP2C	Z	-26.733	1
117	MP2C	Mx	.005	1
118	M101	X	0	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	0	1
123	M157	Mx	0	1
124	MP2A	X	13.882	6
125	MP2A	Z	-8.015	6
126	MP2A	Mx	.007	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	24.96	.5
2	MP3A	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mx	-.012	.5
4	MP3A	X	24.96	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.012	5.5
7	MP3B	X	49.975	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.016	.5
10	MP3B	X	49.975	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.016	5.5
13	MP3C	X	63.285	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.011	.5
16	MP3C	X	63.285	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.011	5.5
19	MP2A	X	106.268	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.062	.5
22	MP2A	X	106.268	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.062	5.5
25	MP2B	X	136.701	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.008	.5
28	MP2B	X	136.701	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.008	5.5
31	MP2C	X	152.894	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.098	.5
34	MP2C	X	152.894	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.098	5.5
37	MP2A	X	106.268	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.043	.5
40	MP2A	X	106.268	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	-.043	5.5
43	MP2B	X	136.701	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.096	.5
46	MP2B	X	136.701	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.096	5.5
49	MP2C	X	152.894	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.046	.5
52	MP2C	X	152.894	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	-.046	5.5
55	MP1B	X	102.034	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	.033	.5
58	MP1B	X	102.034	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	.033	5.5
61	MP1C	X	105.976	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP1C	Z	0	.5
63	MP1C	Mx	.018	.5
64	MP1C	X	105.976	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	.018	5.5
67	MP4B	X	102.034	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	.033	.5
70	MP4B	X	102.034	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	.033	5.5
73	MP4C	X	105.976	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	.018	.5
76	MP4C	X	105.976	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	.018	5.5
79	MP1A	X	92.929	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	-.046	.5
82	MP1A	X	92.929	5.5
83	MP1A	Z	0	5.5
84	MP1A	Mx	-.046	5.5
85	MP4A	X	92.929	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	-.046	.5
88	MP4A	X	92.929	5.5
89	MP4A	Z	0	5.5
90	MP4A	Mx	-.046	5.5
91	MP2A	X	9.073	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	.004	4.5
94	MP2B	X	11.292	4.5
95	MP2B	Z	0	4.5
96	MP2B	Mx	-.004	4.5
97	MP2C	X	12.473	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	-.002	4.5
100	MP3A	X	36.907	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	.018	4.5
103	MP3B	X	46.835	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	-.015	4.5
106	MP3C	X	52.118	4.5
107	MP3C	Z	0	4.5
108	MP3C	Mx	-.009	4.5
109	MP2A	X	30.463	1
110	MP2A	Z	0	1
111	MP2A	Mx	.015	1
112	MP2B	X	44.09	1
113	MP2B	Z	0	1
114	MP2B	Mx	-.014	1
115	MP2C	X	51.34	1
116	MP2C	Z	0	1
117	MP2C	Mx	-.009	1
118	M101	X	21.856	1
119	M101	Z	0	1
120	M101	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
121	M157	X	21.856	1
122	M157	Z	0	1
123	M157	Mx	0	1
124	MP2A	X	10.182	6
125	MP2A	Z	0	6
126	MP2A	Mx	.005	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	24.995	.5
2	MP3A	Z	14.431	.5
3	MP3A	Mx	-.014	.5
4	MP3A	X	24.995	5.5
5	MP3A	Z	14.431	5.5
6	MP3A	Mx	-.014	5.5
7	MP3B	X	58.185	.5
8	MP3B	Z	33.593	.5
9	MP3B	Mx	.006	.5
10	MP3B	X	58.185	5.5
11	MP3B	Z	33.593	5.5
12	MP3B	Mx	.006	5.5
13	MP3C	X	36.522	.5
14	MP3C	Z	21.086	.5
15	MP3C	Mx	.016	.5
16	MP3C	X	36.522	5.5
17	MP3C	Z	21.086	5.5
18	MP3C	Mx	.016	5.5
19	MP2A	X	96.141	.5
20	MP2A	Z	55.507	.5
21	MP2A	Mx	-.033	.5
22	MP2A	X	96.141	5.5
23	MP2A	Z	55.507	5.5
24	MP2A	Mx	-.033	5.5
25	MP2B	X	136.521	.5
26	MP2B	Z	78.82	.5
27	MP2B	Mx	-.064	.5
28	MP2B	X	136.521	5.5
29	MP2B	Z	78.82	5.5
30	MP2B	Mx	-.064	5.5
31	MP2C	X	110.165	.5
32	MP2C	Z	63.604	.5
33	MP2C	Mx	.09	.5
34	MP2C	X	110.165	5.5
35	MP2C	Z	63.604	5.5
36	MP2C	Mx	.09	5.5
37	MP2A	X	96.141	.5
38	MP2A	Z	55.507	.5
39	MP2A	Mx	-.071	.5
40	MP2A	X	96.141	5.5
41	MP2A	Z	55.507	5.5
42	MP2A	Mx	-.071	5.5
43	MP2B	X	136.521	.5
44	MP2B	Z	78.82	.5
45	MP2B	Mx	.091	.5
46	MP2B	X	136.521	5.5
47	MP2B	Z	78.82	5.5
48	MP2B	Mx	.091	5.5
49	MP2C	X	110.165	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP2C	Z	63.604	.5
51	MP2C	Mx	.008	.5
52	MP2C	X	110.165	5.5
53	MP2C	Z	63.604	5.5
54	MP2C	Mx	.008	5.5
55	MP1B	X	92.779	.5
56	MP1B	Z	53.566	.5
57	MP1B	Mx	.009	.5
58	MP1B	X	92.779	5.5
59	MP1B	Z	53.566	5.5
60	MP1B	Mx	.009	5.5
61	MP1C	X	86.363	.5
62	MP1C	Z	49.862	.5
63	MP1C	Mx	.038	.5
64	MP1C	X	86.363	5.5
65	MP1C	Z	49.862	5.5
66	MP1C	Mx	.038	5.5
67	MP4B	X	92.779	.5
68	MP4B	Z	53.566	.5
69	MP4B	Mx	.009	.5
70	MP4B	X	92.779	5.5
71	MP4B	Z	53.566	5.5
72	MP4B	Mx	.009	5.5
73	MP4C	X	86.363	.5
74	MP4C	Z	49.862	.5
75	MP4C	Mx	.038	.5
76	MP4C	X	86.363	5.5
77	MP4C	Z	49.862	5.5
78	MP4C	Mx	.038	5.5
79	MP1A	X	76.812	.5
80	MP1A	Z	44.348	.5
81	MP1A	Mx	-.042	.5
82	MP1A	X	76.812	5.5
83	MP1A	Z	44.348	5.5
84	MP1A	Mx	-.042	5.5
85	MP4A	X	76.812	.5
86	MP4A	Z	44.348	.5
87	MP4A	Mx	-.042	.5
88	MP4A	X	76.812	5.5
89	MP4A	Z	44.348	5.5
90	MP4A	Mx	-.042	5.5
91	MP2A	X	8.157	4.5
92	MP2A	Z	4.709	4.5
93	MP2A	Mx	.004	4.5
94	MP2B	X	11.101	4.5
95	MP2B	Z	6.409	4.5
96	MP2B	Mx	-.001	4.5
97	MP2C	X	9.179	4.5
98	MP2C	Z	5.3	4.5
99	MP2C	Mx	-.004	4.5
100	MP3A	X	33.303	4.5
101	MP3A	Z	19.228	4.5
102	MP3A	Mx	.018	4.5
103	MP3B	X	46.476	4.5
104	MP3B	Z	26.833	4.5
105	MP3B	Mx	-.005	4.5
106	MP3C	X	37.878	4.5
107	MP3C	Z	21.869	4.5
108	MP3C	Mx	-.017	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP2A	X	28.222	1
110	MP2A	Z	16.294	1
111	MP2A	Mx	.015	1
112	MP2B	X	46.303	1
113	MP2B	Z	26.733	1
114	MP2B	Mx	-.005	1
115	MP2C	X	34.501	1
116	MP2C	Z	19.919	1
117	MP2C	Mx	-.015	1
118	M101	X	56.785	1
119	M101	Z	32.785	1
120	M101	Mx	0	1
121	M157	X	56.785	1
122	M157	Z	32.785	1
123	M157	Mx	0	1
124	MP2A	X	13.882	6
125	MP2A	Z	8.015	6
126	MP2A	Mx	.007	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	24.987	.5
2	MP3A	Z	43.279	.5
3	MP3A	Mx	-.016	.5
4	MP3A	X	24.987	5.5
5	MP3A	Z	43.279	5.5
6	MP3A	Mx	-.016	5.5
7	MP3B	X	31.642	.5
8	MP3B	Z	54.806	.5
9	MP3B	Mx	-.011	.5
10	MP3B	X	31.642	5.5
11	MP3B	Z	54.806	5.5
12	MP3B	Mx	-.011	5.5
13	MP3C	X	12.48	.5
14	MP3C	Z	21.616	.5
15	MP3C	Mx	.012	.5
16	MP3C	X	12.48	5.5
17	MP3C	Z	21.616	5.5
18	MP3C	Mx	.012	5.5
19	MP2A	X	68.35	.5
20	MP2A	Z	118.386	.5
21	MP2A	Mx	.008	.5
22	MP2A	X	68.35	5.5
23	MP2A	Z	118.386	5.5
24	MP2A	Mx	.008	5.5
25	MP2B	X	76.447	.5
26	MP2B	Z	132.41	.5
27	MP2B	Mx	-.098	.5
28	MP2B	X	76.447	5.5
29	MP2B	Z	132.41	5.5
30	MP2B	Mx	-.098	5.5
31	MP2C	X	53.134	.5
32	MP2C	Z	92.03	.5
33	MP2C	Mx	.062	.5
34	MP2C	X	53.134	5.5
35	MP2C	Z	92.03	5.5
36	MP2C	Mx	.062	5.5
37	MP2A	X	68.35	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	118.386	.5
39	MP2A	Mx	-.096	.5
40	MP2A	X	68.35	5.5
41	MP2A	Z	118.386	5.5
42	MP2A	Mx	-.096	5.5
43	MP2B	X	76.447	.5
44	MP2B	Z	132.41	.5
45	MP2B	Mx	.046	.5
46	MP2B	X	76.447	5.5
47	MP2B	Z	132.41	5.5
48	MP2B	Mx	.046	5.5
49	MP2C	X	53.134	.5
50	MP2C	Z	92.03	.5
51	MP2C	Mx	.043	.5
52	MP2C	X	53.134	5.5
53	MP2C	Z	92.03	5.5
54	MP2C	Mx	.043	5.5
55	MP1B	X	52.988	.5
56	MP1B	Z	91.778	.5
57	MP1B	Mx	-.018	.5
58	MP1B	X	52.988	5.5
59	MP1B	Z	91.778	5.5
60	MP1B	Mx	-.018	5.5
61	MP1C	X	47.313	.5
62	MP1C	Z	81.948	.5
63	MP1C	Mx	.047	.5
64	MP1C	X	47.313	5.5
65	MP1C	Z	81.948	5.5
66	MP1C	Mx	.047	5.5
67	MP4B	X	52.988	.5
68	MP4B	Z	91.778	.5
69	MP4B	Mx	-.018	.5
70	MP4B	X	52.988	5.5
71	MP4B	Z	91.778	5.5
72	MP4B	Mx	-.018	5.5
73	MP4C	X	47.313	.5
74	MP4C	Z	81.948	.5
75	MP4C	Mx	.047	.5
76	MP4C	X	47.313	5.5
77	MP4C	Z	81.948	5.5
78	MP4C	Mx	.047	5.5
79	MP1A	X	32.892	.5
80	MP1A	Z	56.971	.5
81	MP1A	Mx	-.021	.5
82	MP1A	X	32.892	5.5
83	MP1A	Z	56.971	5.5
84	MP1A	Mx	-.021	5.5
85	MP4A	X	32.892	.5
86	MP4A	Z	56.971	.5
87	MP4A	Mx	-.021	.5
88	MP4A	X	32.892	5.5
89	MP4A	Z	56.971	5.5
90	MP4A	Mx	-.021	5.5
91	MP2A	X	5.646	4.5
92	MP2A	Z	9.779	4.5
93	MP2A	Mx	.004	4.5
94	MP2B	X	6.236	4.5
95	MP2B	Z	10.802	4.5
96	MP2B	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP2C	X	4.536	4.5
98	MP2C	Z	7.857	4.5
99	MP2C	Mx	-.004	4.5
100	MP3A	X	23.417	4.5
101	MP3A	Z	40.56	4.5
102	MP3A	Mx	.015	4.5
103	MP3B	X	26.059	4.5
104	MP3B	Z	45.135	4.5
105	MP3B	Mx	.009	4.5
106	MP3C	X	18.453	4.5
107	MP3C	Z	31.962	4.5
108	MP3C	Mx	-.018	4.5
109	MP2A	X	22.045	1
110	MP2A	Z	38.183	1
111	MP2A	Mx	.014	1
112	MP2B	X	25.67	1
113	MP2B	Z	44.462	1
114	MP2B	Mx	.009	1
115	MP2C	X	15.231	1
116	MP2C	Z	26.382	1
117	MP2C	Mx	-.015	1
118	M101	X	43.713	1
119	M101	Z	75.713	1
120	M101	Mx	0	1
121	M157	X	43.713	1
122	M157	Z	75.713	1
123	M157	Mx	0	1
124	MP2A	X	13.862	6
125	MP2A	Z	24.01	6
126	MP2A	Mx	.007	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	67.187	.5
3	MP3A	Mx	-.006	.5
4	MP3A	X	0	5.5
5	MP3A	Z	67.187	5.5
6	MP3A	Mx	-.006	5.5
7	MP3B	X	0	.5
8	MP3B	Z	42.172	.5
9	MP3B	Mx	-.016	.5
10	MP3B	X	0	5.5
11	MP3B	Z	42.172	5.5
12	MP3B	Mx	-.016	5.5
13	MP3C	X	0	.5
14	MP3C	Z	28.861	.5
15	MP3C	Mx	.014	.5
16	MP3C	X	0	5.5
17	MP3C	Z	28.861	5.5
18	MP3C	Mx	.014	5.5
19	MP2A	X	0	.5
20	MP2A	Z	157.641	.5
21	MP2A	Mx	.064	.5
22	MP2A	X	0	5.5
23	MP2A	Z	157.641	5.5
24	MP2A	Mx	.064	5.5
25	MP2B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	127.207	.5
27	MP2B	Mx	-.09	.5
28	MP2B	X	0	5.5
29	MP2B	Z	127.207	5.5
30	MP2B	Mx	-.09	5.5
31	MP2C	X	0	.5
32	MP2C	Z	111.014	.5
33	MP2C	Mx	.033	.5
34	MP2C	X	0	5.5
35	MP2C	Z	111.014	5.5
36	MP2C	Mx	.033	5.5
37	MP2A	X	0	.5
38	MP2A	Z	157.641	.5
39	MP2A	Mx	-.091	.5
40	MP2A	X	0	5.5
41	MP2A	Z	157.641	5.5
42	MP2A	Mx	-.091	5.5
43	MP2B	X	0	.5
44	MP2B	Z	127.207	.5
45	MP2B	Mx	-.008	.5
46	MP2B	X	0	5.5
47	MP2B	Z	127.207	5.5
48	MP2B	Mx	-.008	5.5
49	MP2C	X	0	.5
50	MP2C	Z	111.014	.5
51	MP2C	Mx	.071	.5
52	MP2C	X	0	5.5
53	MP2C	Z	111.014	5.5
54	MP2C	Mx	.071	5.5
55	MP1B	X	0	.5
56	MP1B	Z	99.723	.5
57	MP1B	Mx	-.038	.5
58	MP1B	X	0	5.5
59	MP1B	Z	99.723	5.5
60	MP1B	Mx	-.038	5.5
61	MP1C	X	0	.5
62	MP1C	Z	95.781	.5
63	MP1C	Mx	.045	.5
64	MP1C	X	0	5.5
65	MP1C	Z	95.781	5.5
66	MP1C	Mx	.045	5.5
67	MP4B	X	0	.5
68	MP4B	Z	99.723	.5
69	MP4B	Mx	-.038	.5
70	MP4B	X	0	5.5
71	MP4B	Z	99.723	5.5
72	MP4B	Mx	-.038	5.5
73	MP4C	X	0	.5
74	MP4C	Z	95.781	.5
75	MP4C	Mx	.045	.5
76	MP4C	X	0	5.5
77	MP4C	Z	95.781	5.5
78	MP4C	Mx	.045	5.5
79	MP1A	X	0	.5
80	MP1A	Z	47.106	.5
81	MP1A	Mx	-.004	.5
82	MP1A	X	0	5.5
83	MP1A	Z	47.106	5.5
84	MP1A	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP4A	X	0	.5
86	MP4A	Z	47.106	.5
87	MP4A	Mx	-.004	.5
88	MP4A	X	0	5.5
89	MP4A	Z	47.106	5.5
90	MP4A	Mx	-.004	5.5
91	MP2A	X	0	4.5
92	MP2A	Z	12.819	4.5
93	MP2A	Mx	.001	4.5
94	MP2B	X	0	4.5
95	MP2B	Z	10.6	4.5
96	MP2B	Mx	.004	4.5
97	MP2C	X	0	4.5
98	MP2C	Z	9.419	4.5
99	MP2C	Mx	-.004	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	53.666	4.5
102	MP3A	Mx	.005	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	43.738	4.5
105	MP3B	Mx	.017	4.5
106	MP3C	X	0	4.5
107	MP3C	Z	38.455	4.5
108	MP3C	Mx	-.018	4.5
109	MP2A	X	0	1
110	MP2A	Z	53.466	1
111	MP2A	Mx	.005	1
112	MP2B	X	0	1
113	MP2B	Z	39.839	1
114	MP2B	Mx	.015	1
115	MP2C	X	0	1
116	MP2C	Z	32.588	1
117	MP2C	Mx	-.015	1
118	M101	X	0	1
119	M101	Z	65.569	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	65.569	1
123	M157	Mx	0	1
124	MP2A	X	0	6
125	MP2A	Z	33.571	6
126	MP2A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-31.642	.5
2	MP3A	Z	54.806	.5
3	MP3A	Mx	.011	.5
4	MP3A	X	-31.642	5.5
5	MP3A	Z	54.806	5.5
6	MP3A	Mx	.011	5.5
7	MP3B	X	-12.48	.5
8	MP3B	Z	21.616	.5
9	MP3B	Mx	-.012	.5
10	MP3B	X	-12.48	5.5
11	MP3B	Z	21.616	5.5
12	MP3B	Mx	-.012	5.5
13	MP3C	X	-24.987	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3C	Z	43.279	.5
15	MP3C	Mx	.016	.5
16	MP3C	X	-24.987	5.5
17	MP3C	Z	43.279	5.5
18	MP3C	Mx	.016	5.5
19	MP2A	X	-76.447	.5
20	MP2A	Z	132.41	.5
21	MP2A	Mx	.098	.5
22	MP2A	X	-76.447	5.5
23	MP2A	Z	132.41	5.5
24	MP2A	Mx	.098	5.5
25	MP2B	X	-53.134	.5
26	MP2B	Z	92.03	.5
27	MP2B	Mx	-.062	.5
28	MP2B	X	-53.134	5.5
29	MP2B	Z	92.03	5.5
30	MP2B	Mx	-.062	5.5
31	MP2C	X	-68.35	.5
32	MP2C	Z	118.386	.5
33	MP2C	Mx	-.008	.5
34	MP2C	X	-68.35	5.5
35	MP2C	Z	118.386	5.5
36	MP2C	Mx	-.008	5.5
37	MP2A	X	-76.447	.5
38	MP2A	Z	132.41	.5
39	MP2A	Mx	-.046	.5
40	MP2A	X	-76.447	5.5
41	MP2A	Z	132.41	5.5
42	MP2A	Mx	-.046	5.5
43	MP2B	X	-53.134	.5
44	MP2B	Z	92.03	.5
45	MP2B	Mx	-.043	.5
46	MP2B	X	-53.134	5.5
47	MP2B	Z	92.03	5.5
48	MP2B	Mx	-.043	5.5
49	MP2C	X	-68.35	.5
50	MP2C	Z	118.386	.5
51	MP2C	Mx	.096	.5
52	MP2C	X	-68.35	5.5
53	MP2C	Z	118.386	5.5
54	MP2C	Mx	.096	5.5
55	MP1B	X	-47.313	.5
56	MP1B	Z	81.948	.5
57	MP1B	Mx	-.047	.5
58	MP1B	X	-47.313	5.5
59	MP1B	Z	81.948	5.5
60	MP1B	Mx	-.047	5.5
61	MP1C	X	-51.017	.5
62	MP1C	Z	88.364	.5
63	MP1C	Mx	.033	.5
64	MP1C	X	-51.017	5.5
65	MP1C	Z	88.364	5.5
66	MP1C	Mx	.033	5.5
67	MP4B	X	-47.313	.5
68	MP4B	Z	81.948	.5
69	MP4B	Mx	-.047	.5
70	MP4B	X	-47.313	5.5
71	MP4B	Z	81.948	5.5
72	MP4B	Mx	-.047	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP4C	X	-51.017	.5
74	MP4C	Z	88.364	.5
75	MP4C	Mx	.033	.5
76	MP4C	X	-51.017	5.5
77	MP4C	Z	88.364	5.5
78	MP4C	Mx	.033	5.5
79	MP1A	X	-25.67	.5
80	MP1A	Z	44.462	.5
81	MP1A	Mx	.009	.5
82	MP1A	X	-25.67	5.5
83	MP1A	Z	44.462	5.5
84	MP1A	Mx	.009	5.5
85	MP4A	X	-25.67	.5
86	MP4A	Z	44.462	.5
87	MP4A	Mx	.009	.5
88	MP4A	X	-25.67	5.5
89	MP4A	Z	44.462	5.5
90	MP4A	Mx	.009	5.5
91	MP2A	X	-6.236	4.5
92	MP2A	Z	10.802	4.5
93	MP2A	Mx	-.002	4.5
94	MP2B	X	-4.536	4.5
95	MP2B	Z	7.857	4.5
96	MP2B	Mx	.004	4.5
97	MP2C	X	-5.646	4.5
98	MP2C	Z	9.779	4.5
99	MP2C	Mx	-.004	4.5
100	MP3A	X	-26.059	4.5
101	MP3A	Z	45.135	4.5
102	MP3A	Mx	-.009	4.5
103	MP3B	X	-18.453	4.5
104	MP3B	Z	31.962	4.5
105	MP3B	Mx	.018	4.5
106	MP3C	X	-23.417	4.5
107	MP3C	Z	40.56	4.5
108	MP3C	Mx	-.015	4.5
109	MP2A	X	-25.67	1
110	MP2A	Z	44.462	1
111	MP2A	Mx	-.009	1
112	MP2B	X	-15.231	1
113	MP2B	Z	26.382	1
114	MP2B	Mx	.015	1
115	MP2C	X	-22.045	1
116	MP2C	Z	38.183	1
117	MP2C	Mx	-.014	1
118	M101	X	-10.928	1
119	M101	Z	18.928	1
120	M101	Mx	0	1
121	M157	X	-10.928	1
122	M157	Z	18.928	1
123	M157	Mx	0	1
124	MP2A	X	-13.862	6
125	MP2A	Z	24.01	6
126	MP2A	Mx	-.007	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-36.522	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	21.086	.5
3	MP3A	Mx	.016	.5
4	MP3A	X	-36.522	5.5
5	MP3A	Z	21.086	5.5
6	MP3A	Mx	.016	5.5
7	MP3B	X	-24.995	.5
8	MP3B	Z	14.431	.5
9	MP3B	Mx	-.014	.5
10	MP3B	X	-24.995	5.5
11	MP3B	Z	14.431	5.5
12	MP3B	Mx	-.014	5.5
13	MP3C	X	-58.185	.5
14	MP3C	Z	33.593	.5
15	MP3C	Mx	.006	.5
16	MP3C	X	-58.185	5.5
17	MP3C	Z	33.593	5.5
18	MP3C	Mx	.006	5.5
19	MP2A	X	-110.165	.5
20	MP2A	Z	63.604	.5
21	MP2A	Mx	.09	.5
22	MP2A	X	-110.165	5.5
23	MP2A	Z	63.604	5.5
24	MP2A	Mx	.09	5.5
25	MP2B	X	-96.141	.5
26	MP2B	Z	55.507	.5
27	MP2B	Mx	-.033	.5
28	MP2B	X	-96.141	5.5
29	MP2B	Z	55.507	5.5
30	MP2B	Mx	-.033	5.5
31	MP2C	X	-136.521	.5
32	MP2C	Z	78.82	.5
33	MP2C	Mx	-.064	.5
34	MP2C	X	-136.521	5.5
35	MP2C	Z	78.82	5.5
36	MP2C	Mx	-.064	5.5
37	MP2A	X	-110.165	.5
38	MP2A	Z	63.604	.5
39	MP2A	Mx	.008	.5
40	MP2A	X	-110.165	5.5
41	MP2A	Z	63.604	5.5
42	MP2A	Mx	.008	5.5
43	MP2B	X	-96.141	.5
44	MP2B	Z	55.507	.5
45	MP2B	Mx	-.071	.5
46	MP2B	X	-96.141	5.5
47	MP2B	Z	55.507	5.5
48	MP2B	Mx	-.071	5.5
49	MP2C	X	-136.521	.5
50	MP2C	Z	78.82	.5
51	MP2C	Mx	.091	.5
52	MP2C	X	-136.521	5.5
53	MP2C	Z	78.82	5.5
54	MP2C	Mx	.091	5.5
55	MP1B	X	-82.949	.5
56	MP1B	Z	47.89	.5
57	MP1B	Mx	-.045	.5
58	MP1B	X	-82.949	5.5
59	MP1B	Z	47.89	5.5
60	MP1B	Mx	-.045	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP1C	X	-92.779	.5
62	MP1C	Z	53.566	.5
63	MP1C	Mx	.009	.5
64	MP1C	X	-92.779	5.5
65	MP1C	Z	53.566	5.5
66	MP1C	Mx	.009	5.5
67	MP4B	X	-82.949	.5
68	MP4B	Z	47.89	.5
69	MP4B	Mx	-.045	.5
70	MP4B	X	-82.949	5.5
71	MP4B	Z	47.89	5.5
72	MP4B	Mx	-.045	5.5
73	MP4C	X	-92.779	.5
74	MP4C	Z	53.566	.5
75	MP4C	Mx	.009	.5
76	MP4C	X	-92.779	5.5
77	MP4C	Z	53.566	5.5
78	MP4C	Mx	.009	5.5
79	MP1A	X	-64.304	.5
80	MP1A	Z	37.126	.5
81	MP1A	Mx	.028	.5
82	MP1A	X	-64.304	5.5
83	MP1A	Z	37.126	5.5
84	MP1A	Mx	.028	5.5
85	MP4A	X	-64.304	.5
86	MP4A	Z	37.126	.5
87	MP4A	Mx	.028	.5
88	MP4A	X	-64.304	5.5
89	MP4A	Z	37.126	5.5
90	MP4A	Mx	.028	5.5
91	MP2A	X	-9.179	4.5
92	MP2A	Z	5.3	4.5
93	MP2A	Mx	-.004	4.5
94	MP2B	X	-8.157	4.5
95	MP2B	Z	4.709	4.5
96	MP2B	Mx	.004	4.5
97	MP2C	X	-11.101	4.5
98	MP2C	Z	6.409	4.5
99	MP2C	Mx	-.001	4.5
100	MP3A	X	-37.878	4.5
101	MP3A	Z	21.869	4.5
102	MP3A	Mx	-.017	4.5
103	MP3B	X	-33.303	4.5
104	MP3B	Z	19.228	4.5
105	MP3B	Mx	.018	4.5
106	MP3C	X	-46.476	4.5
107	MP3C	Z	26.833	4.5
108	MP3C	Mx	-.005	4.5
109	MP2A	X	-34.501	1
110	MP2A	Z	19.919	1
111	MP2A	Mx	-.015	1
112	MP2B	X	-28.222	1
113	MP2B	Z	16.294	1
114	MP2B	Mx	.015	1
115	MP2C	X	-46.303	1
116	MP2C	Z	26.733	1
117	MP2C	Mx	-.005	1
118	M101	X	0	1
119	M101	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	0	1
123	M157	Mx	0	1
124	MP2A	X	-13.882	6
125	MP2A	Z	8.015	6
126	MP2A	Mx	-.007	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-24.96	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.012	.5
4	MP3A	X	-24.96	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.012	5.5
7	MP3B	X	-49.975	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.016	.5
10	MP3B	X	-49.975	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.016	5.5
13	MP3C	X	-63.285	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.011	.5
16	MP3C	X	-63.285	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.011	5.5
19	MP2A	X	-106.268	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.062	.5
22	MP2A	X	-106.268	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.062	5.5
25	MP2B	X	-136.701	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.008	.5
28	MP2B	X	-136.701	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.008	5.5
31	MP2C	X	-152.894	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.098	.5
34	MP2C	X	-152.894	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.098	5.5
37	MP2A	X	-106.268	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.043	.5
40	MP2A	X	-106.268	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	.043	5.5
43	MP2B	X	-136.701	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.096	.5
46	MP2B	X	-136.701	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	-.096	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP2C	X	-152.894	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.046	.5
52	MP2C	X	-152.894	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	.046	5.5
55	MP1B	X	-102.034	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	-.033	.5
58	MP1B	X	-102.034	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	-.033	5.5
61	MP1C	X	-105.976	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	-.018	.5
64	MP1C	X	-105.976	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	-.018	5.5
67	MP4B	X	-102.034	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	-.033	.5
70	MP4B	X	-102.034	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	-.033	5.5
73	MP4C	X	-105.976	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	-.018	.5
76	MP4C	X	-105.976	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	-.018	5.5
79	MP1A	X	-92.929	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	.046	.5
82	MP1A	X	-92.929	5.5
83	MP1A	Z	0	5.5
84	MP1A	Mx	.046	5.5
85	MP4A	X	-92.929	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	.046	.5
88	MP4A	X	-92.929	5.5
89	MP4A	Z	0	5.5
90	MP4A	Mx	.046	5.5
91	MP2A	X	-9.073	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	-.004	4.5
94	MP2B	X	-11.292	4.5
95	MP2B	Z	0	4.5
96	MP2B	Mx	.004	4.5
97	MP2C	X	-12.473	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	.002	4.5
100	MP3A	X	-36.907	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	-.018	4.5
103	MP3B	X	-46.835	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	.015	4.5
106	MP3C	X	-52.118	4.5
107	MP3C	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP3C	Mx	.009	4.5
109	MP2A	X	-30.463	1
110	MP2A	Z	0	1
111	MP2A	Mx	-.015	1
112	MP2B	X	-44.09	1
113	MP2B	Z	0	1
114	MP2B	Mx	.014	1
115	MP2C	X	-51.34	1
116	MP2C	Z	0	1
117	MP2C	Mx	.009	1
118	M101	X	-21.856	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	-21.856	1
122	M157	Z	0	1
123	M157	Mx	0	1
124	MP2A	X	-10.182	6
125	MP2A	Z	0	6
126	MP2A	Mx	-.005	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-24.995	.5
2	MP3A	Z	-14.431	.5
3	MP3A	Mx	.014	.5
4	MP3A	X	-24.995	5.5
5	MP3A	Z	-14.431	5.5
6	MP3A	Mx	.014	5.5
7	MP3B	X	-58.185	.5
8	MP3B	Z	-33.593	.5
9	MP3B	Mx	-.006	.5
10	MP3B	X	-58.185	5.5
11	MP3B	Z	-33.593	5.5
12	MP3B	Mx	-.006	5.5
13	MP3C	X	-36.522	.5
14	MP3C	Z	-21.086	.5
15	MP3C	Mx	-.016	.5
16	MP3C	X	-36.522	5.5
17	MP3C	Z	-21.086	5.5
18	MP3C	Mx	-.016	5.5
19	MP2A	X	-96.141	.5
20	MP2A	Z	-55.507	.5
21	MP2A	Mx	.033	.5
22	MP2A	X	-96.141	5.5
23	MP2A	Z	-55.507	5.5
24	MP2A	Mx	.033	5.5
25	MP2B	X	-136.521	.5
26	MP2B	Z	-78.82	.5
27	MP2B	Mx	.064	.5
28	MP2B	X	-136.521	5.5
29	MP2B	Z	-78.82	5.5
30	MP2B	Mx	.064	5.5
31	MP2C	X	-110.165	.5
32	MP2C	Z	-63.604	.5
33	MP2C	Mx	-.09	.5
34	MP2C	X	-110.165	5.5
35	MP2C	Z	-63.604	5.5
36	MP2C	Mx	-.09	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2A	X	-96.141	.5
38	MP2A	Z	-55.507	.5
39	MP2A	Mx	.071	.5
40	MP2A	X	-96.141	5.5
41	MP2A	Z	-55.507	5.5
42	MP2A	Mx	.071	5.5
43	MP2B	X	-136.521	.5
44	MP2B	Z	-78.82	.5
45	MP2B	Mx	-.091	.5
46	MP2B	X	-136.521	5.5
47	MP2B	Z	-78.82	5.5
48	MP2B	Mx	-.091	5.5
49	MP2C	X	-110.165	.5
50	MP2C	Z	-63.604	.5
51	MP2C	Mx	-.008	.5
52	MP2C	X	-110.165	5.5
53	MP2C	Z	-63.604	5.5
54	MP2C	Mx	-.008	5.5
55	MP1B	X	-92.779	.5
56	MP1B	Z	-53.566	.5
57	MP1B	Mx	-.009	.5
58	MP1B	X	-92.779	5.5
59	MP1B	Z	-53.566	5.5
60	MP1B	Mx	-.009	5.5
61	MP1C	X	-86.363	.5
62	MP1C	Z	-49.862	.5
63	MP1C	Mx	-.038	.5
64	MP1C	X	-86.363	5.5
65	MP1C	Z	-49.862	5.5
66	MP1C	Mx	-.038	5.5
67	MP4B	X	-92.779	.5
68	MP4B	Z	-53.566	.5
69	MP4B	Mx	-.009	.5
70	MP4B	X	-92.779	5.5
71	MP4B	Z	-53.566	5.5
72	MP4B	Mx	-.009	5.5
73	MP4C	X	-86.363	.5
74	MP4C	Z	-49.862	.5
75	MP4C	Mx	-.038	.5
76	MP4C	X	-86.363	5.5
77	MP4C	Z	-49.862	5.5
78	MP4C	Mx	-.038	5.5
79	MP1A	X	-76.812	.5
80	MP1A	Z	-44.348	.5
81	MP1A	Mx	.042	.5
82	MP1A	X	-76.812	5.5
83	MP1A	Z	-44.348	5.5
84	MP1A	Mx	.042	5.5
85	MP4A	X	-76.812	.5
86	MP4A	Z	-44.348	.5
87	MP4A	Mx	.042	.5
88	MP4A	X	-76.812	5.5
89	MP4A	Z	-44.348	5.5
90	MP4A	Mx	.042	5.5
91	MP2A	X	-8.157	4.5
92	MP2A	Z	-4.709	4.5
93	MP2A	Mx	-.004	4.5
94	MP2B	X	-11.101	4.5
95	MP2B	Z	-6.409	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP2B	Mx	.001	4.5
97	MP2C	X	-9.179	4.5
98	MP2C	Z	-5.3	4.5
99	MP2C	Mx	.004	4.5
100	MP3A	X	-33.303	4.5
101	MP3A	Z	-19.228	4.5
102	MP3A	Mx	-.018	4.5
103	MP3B	X	-46.476	4.5
104	MP3B	Z	-26.833	4.5
105	MP3B	Mx	.005	4.5
106	MP3C	X	-37.878	4.5
107	MP3C	Z	-21.869	4.5
108	MP3C	Mx	.017	4.5
109	MP2A	X	-28.222	1
110	MP2A	Z	-16.294	1
111	MP2A	Mx	-.015	1
112	MP2B	X	-46.303	1
113	MP2B	Z	-26.733	1
114	MP2B	Mx	.005	1
115	MP2C	X	-34.501	1
116	MP2C	Z	-19.919	1
117	MP2C	Mx	.015	1
118	M101	X	-56.785	1
119	M101	Z	-32.785	1
120	M101	Mx	0	1
121	M157	X	-56.785	1
122	M157	Z	-32.785	1
123	M157	Mx	0	1
124	MP2A	X	-13.882	6
125	MP2A	Z	-8.015	6
126	MP2A	Mx	-.007	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-24.987	.5
2	MP3A	Z	-43.279	.5
3	MP3A	Mx	.016	.5
4	MP3A	X	-24.987	5.5
5	MP3A	Z	-43.279	5.5
6	MP3A	Mx	.016	5.5
7	MP3B	X	-31.642	.5
8	MP3B	Z	-54.806	.5
9	MP3B	Mx	.011	.5
10	MP3B	X	-31.642	5.5
11	MP3B	Z	-54.806	5.5
12	MP3B	Mx	.011	5.5
13	MP3C	X	-12.48	.5
14	MP3C	Z	-21.616	.5
15	MP3C	Mx	-.012	.5
16	MP3C	X	-12.48	5.5
17	MP3C	Z	-21.616	5.5
18	MP3C	Mx	-.012	5.5
19	MP2A	X	-68.35	.5
20	MP2A	Z	-118.386	.5
21	MP2A	Mx	-.008	.5
22	MP2A	X	-68.35	5.5
23	MP2A	Z	-118.386	5.5
24	MP2A	Mx	-.008	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-76.447	.5
26	MP2B	Z	-132.41	.5
27	MP2B	Mx	.098	.5
28	MP2B	X	-76.447	5.5
29	MP2B	Z	-132.41	5.5
30	MP2B	Mx	.098	5.5
31	MP2C	X	-53.134	.5
32	MP2C	Z	-92.03	.5
33	MP2C	Mx	-.062	.5
34	MP2C	X	-53.134	5.5
35	MP2C	Z	-92.03	5.5
36	MP2C	Mx	-.062	5.5
37	MP2A	X	-68.35	.5
38	MP2A	Z	-118.386	.5
39	MP2A	Mx	.096	.5
40	MP2A	X	-68.35	5.5
41	MP2A	Z	-118.386	5.5
42	MP2A	Mx	.096	5.5
43	MP2B	X	-76.447	.5
44	MP2B	Z	-132.41	.5
45	MP2B	Mx	-.046	.5
46	MP2B	X	-76.447	5.5
47	MP2B	Z	-132.41	5.5
48	MP2B	Mx	-.046	5.5
49	MP2C	X	-53.134	.5
50	MP2C	Z	-92.03	.5
51	MP2C	Mx	-.043	.5
52	MP2C	X	-53.134	5.5
53	MP2C	Z	-92.03	5.5
54	MP2C	Mx	-.043	5.5
55	MP1B	X	-52.988	.5
56	MP1B	Z	-91.778	.5
57	MP1B	Mx	.018	.5
58	MP1B	X	-52.988	5.5
59	MP1B	Z	-91.778	5.5
60	MP1B	Mx	.018	5.5
61	MP1C	X	-47.313	.5
62	MP1C	Z	-81.948	.5
63	MP1C	Mx	-.047	.5
64	MP1C	X	-47.313	5.5
65	MP1C	Z	-81.948	5.5
66	MP1C	Mx	-.047	5.5
67	MP4B	X	-52.988	.5
68	MP4B	Z	-91.778	.5
69	MP4B	Mx	.018	.5
70	MP4B	X	-52.988	5.5
71	MP4B	Z	-91.778	5.5
72	MP4B	Mx	.018	5.5
73	MP4C	X	-47.313	.5
74	MP4C	Z	-81.948	.5
75	MP4C	Mx	-.047	.5
76	MP4C	X	-47.313	5.5
77	MP4C	Z	-81.948	5.5
78	MP4C	Mx	-.047	5.5
79	MP1A	X	-32.892	.5
80	MP1A	Z	-56.971	.5
81	MP1A	Mx	.021	.5
82	MP1A	X	-32.892	5.5
83	MP1A	Z	-56.971	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1A	Mx	.021	5.5
85	MP4A	X	-32.892	.5
86	MP4A	Z	-56.971	.5
87	MP4A	Mx	.021	.5
88	MP4A	X	-32.892	5.5
89	MP4A	Z	-56.971	5.5
90	MP4A	Mx	.021	5.5
91	MP2A	X	-5.646	4.5
92	MP2A	Z	-9.779	4.5
93	MP2A	Mx	-.004	4.5
94	MP2B	X	-6.236	4.5
95	MP2B	Z	-10.802	4.5
96	MP2B	Mx	-.002	4.5
97	MP2C	X	-4.536	4.5
98	MP2C	Z	-7.857	4.5
99	MP2C	Mx	.004	4.5
100	MP3A	X	-23.417	4.5
101	MP3A	Z	-40.56	4.5
102	MP3A	Mx	-.015	4.5
103	MP3B	X	-26.059	4.5
104	MP3B	Z	-45.135	4.5
105	MP3B	Mx	-.009	4.5
106	MP3C	X	-18.453	4.5
107	MP3C	Z	-31.962	4.5
108	MP3C	Mx	.018	4.5
109	MP2A	X	-22.045	1
110	MP2A	Z	-38.183	1
111	MP2A	Mx	-.014	1
112	MP2B	X	-25.67	1
113	MP2B	Z	-44.462	1
114	MP2B	Mx	-.009	1
115	MP2C	X	-15.231	1
116	MP2C	Z	-26.382	1
117	MP2C	Mx	.015	1
118	M101	X	-43.713	1
119	M101	Z	-75.713	1
120	M101	Mx	0	1
121	M157	X	-43.713	1
122	M157	Z	-75.713	1
123	M157	Mx	0	1
124	MP2A	X	-13.862	6
125	MP2A	Z	-24.01	6
126	MP2A	Mx	-.007	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	-14.564	.5
3	MP3A	Mx	.001	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-14.564	5.5
6	MP3A	Mx	.001	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-9.822	.5
9	MP3B	Mx	.004	.5
10	MP3B	X	0	5.5
11	MP3B	Z	-9.822	5.5
12	MP3B	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	0	.5
14	MP3C	Z	-7.299	.5
15	MP3C	Mx	-.003	.5
16	MP3C	X	0	5.5
17	MP3C	Z	-7.299	5.5
18	MP3C	Mx	-.003	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-27.612	.5
21	MP2A	Mx	-.011	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-27.612	5.5
24	MP2A	Mx	-.011	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-22.672	.5
27	MP2B	Mx	.016	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-22.672	5.5
30	MP2B	Mx	.016	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-20.043	.5
33	MP2C	Mx	-.006	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-20.043	5.5
36	MP2C	Mx	-.006	5.5
37	MP2A	X	0	.5
38	MP2A	Z	-27.612	.5
39	MP2A	Mx	.016	.5
40	MP2A	X	0	5.5
41	MP2A	Z	-27.612	5.5
42	MP2A	Mx	.016	5.5
43	MP2B	X	0	.5
44	MP2B	Z	-22.672	.5
45	MP2B	Mx	.001	.5
46	MP2B	X	0	5.5
47	MP2B	Z	-22.672	5.5
48	MP2B	Mx	.001	5.5
49	MP2C	X	0	.5
50	MP2C	Z	-20.043	.5
51	MP2C	Mx	-.013	.5
52	MP2C	X	0	5.5
53	MP2C	Z	-20.043	5.5
54	MP2C	Mx	-.013	5.5
55	MP1B	X	0	.5
56	MP1B	Z	-17.748	.5
57	MP1B	Mx	.007	.5
58	MP1B	X	0	5.5
59	MP1B	Z	-17.748	5.5
60	MP1B	Mx	.007	5.5
61	MP1C	X	0	.5
62	MP1C	Z	-17.102	.5
63	MP1C	Mx	-.008	.5
64	MP1C	X	0	5.5
65	MP1C	Z	-17.102	5.5
66	MP1C	Mx	-.008	5.5
67	MP4B	X	0	.5
68	MP4B	Z	-17.748	.5
69	MP4B	Mx	.007	.5
70	MP4B	X	0	5.5
71	MP4B	Z	-17.748	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP4B	Mx	.007	5.5
73	MP4C	X	0	.5
74	MP4C	Z	-17.102	.5
75	MP4C	Mx	-.008	.5
76	MP4C	X	0	5.5
77	MP4C	Z	-17.102	5.5
78	MP4C	Mx	-.008	5.5
79	MP1A	X	0	.5
80	MP1A	Z	-9.063	.5
81	MP1A	Mx	.000787	.5
82	MP1A	X	0	5.5
83	MP1A	Z	-9.063	5.5
84	MP1A	Mx	.000787	5.5
85	MP4A	X	0	.5
86	MP4A	Z	-9.063	.5
87	MP4A	Mx	.000787	.5
88	MP4A	X	0	5.5
89	MP4A	Z	-9.063	5.5
90	MP4A	Mx	.000787	5.5
91	MP2A	X	0	4.5
92	MP2A	Z	-2.995	4.5
93	MP2A	Mx	-.00026	4.5
94	MP2B	X	0	4.5
95	MP2B	Z	-2.574	4.5
96	MP2B	Mx	-.000986	4.5
97	MP2C	X	0	4.5
98	MP2C	Z	-2.35	4.5
99	MP2C	Mx	.001	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	-8.788	4.5
102	MP3A	Mx	-.000763	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	-10.906	4.5
105	MP3B	Mx	-.004	4.5
106	MP3C	X	0	4.5
107	MP3C	Z	-12.033	4.5
108	MP3C	Mx	.006	4.5
109	MP2A	X	0	1
110	MP2A	Z	-12.319	1
111	MP2A	Mx	-.001	1
112	MP2B	X	0	1
113	MP2B	Z	-9.397	1
114	MP2B	Mx	-.004	1
115	MP2C	X	0	1
116	MP2C	Z	-7.841	1
117	MP2C	Mx	.004	1
118	M101	X	0	1
119	M101	Z	-1.022	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	-1.022	1
123	M157	Mx	0	1
124	MP2A	X	0	6
125	MP2A	Z	-6.851	6
126	MP2A	Mx	0	6

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.912	.5
2	MP3A	Z	-11.972	.5
3	MP3A	Mx	-.002	.5
4	MP3A	X	6.912	5.5
5	MP3A	Z	-11.972	5.5
6	MP3A	Mx	-.002	5.5
7	MP3B	X	3.28	.5
8	MP3B	Z	-5.681	.5
9	MP3B	Mx	.003	.5
10	MP3B	X	3.28	5.5
11	MP3B	Z	-5.681	5.5
12	MP3B	Mx	.003	5.5
13	MP3C	X	5.651	.5
14	MP3C	Z	-9.787	.5
15	MP3C	Mx	-.004	.5
16	MP3C	X	5.651	5.5
17	MP3C	Z	-9.787	5.5
18	MP3C	Mx	-.004	5.5
19	MP2A	X	13.421	.5
20	MP2A	Z	-23.246	.5
21	MP2A	Mx	-.017	.5
22	MP2A	X	13.421	5.5
23	MP2A	Z	-23.246	5.5
24	MP2A	Mx	-.017	5.5
25	MP2B	X	9.636	.5
26	MP2B	Z	-16.691	.5
27	MP2B	Mx	.011	.5
28	MP2B	X	9.636	5.5
29	MP2B	Z	-16.691	5.5
30	MP2B	Mx	.011	5.5
31	MP2C	X	12.106	.5
32	MP2C	Z	-20.969	.5
33	MP2C	Mx	.001	.5
34	MP2C	X	12.106	5.5
35	MP2C	Z	-20.969	5.5
36	MP2C	Mx	.001	5.5
37	MP2A	X	13.421	.5
38	MP2A	Z	-23.246	.5
39	MP2A	Mx	.008	.5
40	MP2A	X	13.421	5.5
41	MP2A	Z	-23.246	5.5
42	MP2A	Mx	.008	5.5
43	MP2B	X	9.636	.5
44	MP2B	Z	-16.691	.5
45	MP2B	Mx	.008	.5
46	MP2B	X	9.636	5.5
47	MP2B	Z	-16.691	5.5
48	MP2B	Mx	.008	5.5
49	MP2C	X	12.106	.5
50	MP2C	Z	-20.969	.5
51	MP2C	Mx	-.017	.5
52	MP2C	X	12.106	5.5
53	MP2C	Z	-20.969	5.5
54	MP2C	Mx	-.017	5.5
55	MP1B	X	8.456	.5
56	MP1B	Z	-14.646	.5
57	MP1B	Mx	.008	.5
58	MP1B	X	8.456	5.5
59	MP1B	Z	-14.646	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1B	Mx	.008	5.5
61	MP1C	X	9.064	.5
62	MP1C	Z	-15.699	.5
63	MP1C	Mx	-.006	.5
64	MP1C	X	9.064	5.5
65	MP1C	Z	-15.699	5.5
66	MP1C	Mx	-.006	5.5
67	MP4B	X	8.456	.5
68	MP4B	Z	-14.646	.5
69	MP4B	Mx	.008	.5
70	MP4B	X	8.456	5.5
71	MP4B	Z	-14.646	5.5
72	MP4B	Mx	.008	5.5
73	MP4C	X	9.064	.5
74	MP4C	Z	-15.699	.5
75	MP4C	Mx	-.006	.5
76	MP4C	X	9.064	5.5
77	MP4C	Z	-15.699	5.5
78	MP4C	Mx	-.006	5.5
79	MP1A	X	4.881	.5
80	MP1A	Z	-8.454	.5
81	MP1A	Mx	-.002	.5
82	MP1A	X	4.881	5.5
83	MP1A	Z	-8.454	5.5
84	MP1A	Mx	-.002	5.5
85	MP4A	X	4.881	.5
86	MP4A	Z	-8.454	.5
87	MP4A	Mx	-.002	.5
88	MP4A	X	4.881	5.5
89	MP4A	Z	-8.454	5.5
90	MP4A	Mx	-.002	5.5
91	MP2A	X	1.465	4.5
92	MP2A	Z	-2.537	4.5
93	MP2A	Mx	.000501	4.5
94	MP2B	X	1.142	4.5
95	MP2B	Z	-1.978	4.5
96	MP2B	Mx	-.001	4.5
97	MP2C	X	1.353	4.5
98	MP2C	Z	-2.343	4.5
99	MP2C	Mx	.000869	4.5
100	MP3A	X	4.559	4.5
101	MP3A	Z	-7.896	4.5
102	MP3A	Mx	.002	4.5
103	MP3B	X	6.182	4.5
104	MP3B	Z	-10.707	4.5
105	MP3B	Mx	-.006	4.5
106	MP3C	X	5.122	4.5
107	MP3C	Z	-8.872	4.5
108	MP3C	Mx	.003	4.5
109	MP2A	X	5.932	1
110	MP2A	Z	-10.274	1
111	MP2A	Mx	.002	1
112	MP2B	X	3.693	1
113	MP2B	Z	-6.396	1
114	MP2B	Mx	-.004	1
115	MP2C	X	5.154	1
116	MP2C	Z	-8.927	1
117	MP2C	Mx	.003	1
118	M101	X	.426	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	M101	Z	-.738	1
120	M101	Mx	0	1
121	M157	X	.426	1
122	M157	Z	-.738	1
123	M157	Mx	0	1
124	MP2A	X	2.89	6
125	MP2A	Z	-5.006	6
126	MP2A	Mx	.001	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.506	.5
2	MP3A	Z	-4.911	.5
3	MP3A	Mx	-.004	.5
4	MP3A	X	8.506	5.5
5	MP3A	Z	-4.911	5.5
6	MP3A	Mx	-.004	5.5
7	MP3B	X	6.321	.5
8	MP3B	Z	-3.65	.5
9	MP3B	Mx	.003	.5
10	MP3B	X	6.321	5.5
11	MP3B	Z	-3.65	5.5
12	MP3B	Mx	.003	5.5
13	MP3C	X	12.613	.5
14	MP3C	Z	-7.282	.5
15	MP3C	Mx	-.001	.5
16	MP3C	X	12.613	5.5
17	MP3C	Z	-7.282	5.5
18	MP3C	Mx	-.001	5.5
19	MP2A	X	19.634	.5
20	MP2A	Z	-11.336	.5
21	MP2A	Mx	-.016	.5
22	MP2A	X	19.634	5.5
23	MP2A	Z	-11.336	5.5
24	MP2A	Mx	-.016	5.5
25	MP2B	X	17.358	.5
26	MP2B	Z	-10.022	.5
27	MP2B	Mx	.006	.5
28	MP2B	X	17.358	5.5
29	MP2B	Z	-10.022	5.5
30	MP2B	Mx	.006	5.5
31	MP2C	X	23.913	.5
32	MP2C	Z	-13.806	.5
33	MP2C	Mx	.011	.5
34	MP2C	X	23.913	5.5
35	MP2C	Z	-13.806	5.5
36	MP2C	Mx	.011	5.5
37	MP2A	X	19.634	.5
38	MP2A	Z	-11.336	.5
39	MP2A	Mx	-.001	.5
40	MP2A	X	19.634	5.5
41	MP2A	Z	-11.336	5.5
42	MP2A	Mx	-.001	5.5
43	MP2B	X	17.358	.5
44	MP2B	Z	-10.022	.5
45	MP2B	Mx	.013	.5
46	MP2B	X	17.358	5.5
47	MP2B	Z	-10.022	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	.013	5.5
49	MP2C	X	23.913	.5
50	MP2C	Z	-13.806	.5
51	MP2C	Mx	-.016	.5
52	MP2C	X	23.913	5.5
53	MP2C	Z	-13.806	5.5
54	MP2C	Mx	-.016	5.5
55	MP1B	X	14.811	.5
56	MP1B	Z	-8.551	.5
57	MP1B	Mx	.008	.5
58	MP1B	X	14.811	5.5
59	MP1B	Z	-8.551	5.5
60	MP1B	Mx	.008	5.5
61	MP1C	X	16.423	.5
62	MP1C	Z	-9.482	.5
63	MP1C	Mx	-.002	.5
64	MP1C	X	16.423	5.5
65	MP1C	Z	-9.482	5.5
66	MP1C	Mx	-.002	5.5
67	MP4B	X	14.811	.5
68	MP4B	Z	-8.551	.5
69	MP4B	Mx	.008	.5
70	MP4B	X	14.811	5.5
71	MP4B	Z	-8.551	5.5
72	MP4B	Mx	.008	5.5
73	MP4C	X	16.423	.5
74	MP4C	Z	-9.482	.5
75	MP4C	Mx	-.002	.5
76	MP4C	X	16.423	5.5
77	MP4C	Z	-9.482	5.5
78	MP4C	Mx	-.002	5.5
79	MP1A	X	11.731	.5
80	MP1A	Z	-6.773	.5
81	MP1A	Mx	-.005	.5
82	MP1A	X	11.731	5.5
83	MP1A	Z	-6.773	5.5
84	MP1A	Mx	-.005	5.5
85	MP4A	X	11.731	.5
86	MP4A	Z	-6.773	.5
87	MP4A	Mx	-.005	.5
88	MP4A	X	11.731	5.5
89	MP4A	Z	-6.773	5.5
90	MP4A	Mx	-.005	5.5
91	MP2A	X	2.229	4.5
92	MP2A	Z	-1.287	4.5
93	MP2A	Mx	.000986	4.5
94	MP2B	X	2.035	4.5
95	MP2B	Z	-1.175	4.5
96	MP2B	Mx	-.001	4.5
97	MP2C	X	2.593	4.5
98	MP2C	Z	-1.497	4.5
99	MP2C	Mx	.00026	4.5
100	MP3A	X	9.445	4.5
101	MP3A	Z	-5.453	4.5
102	MP3A	Mx	.004	4.5
103	MP3B	X	10.421	4.5
104	MP3B	Z	-6.016	4.5
105	MP3B	Mx	-.006	4.5
106	MP3C	X	7.61	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	-4.394	4.5
108	MP3C	Mx	.000763	4.5
109	MP2A	X	8.138	1
110	MP2A	Z	-4.698	1
111	MP2A	Mx	.004	1
112	MP2B	X	6.791	1
113	MP2B	Z	-3.921	1
114	MP2B	Mx	-.004	1
115	MP2C	X	10.669	1
116	MP2C	Z	-6.16	1
117	MP2C	Mx	.001	1
118	M101	X	.665	1
119	M101	Z	-.384	1
120	M101	Mx	0	1
121	M157	X	.665	1
122	M157	Z	-.384	1
123	M157	Mx	0	1
124	MP2A	X	3.153	6
125	MP2A	Z	-1.82	6
126	MP2A	Mx	.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.56	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.003	.5
4	MP3A	X	6.56	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.003	5.5
7	MP3B	X	11.301	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.004	.5
10	MP3B	X	11.301	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.004	5.5
13	MP3C	X	13.824	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.002	.5
16	MP3C	X	13.824	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.002	5.5
19	MP2A	X	19.273	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.011	.5
22	MP2A	X	19.273	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.011	5.5
25	MP2B	X	24.213	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.001	.5
28	MP2B	X	24.213	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.001	5.5
31	MP2C	X	26.842	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.017	.5
34	MP2C	X	26.842	5.5
35	MP2C	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.017	5.5
37	MP2A	X	19.273	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.008	.5
40	MP2A	X	19.273	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	-.008	5.5
43	MP2B	X	24.213	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.017	.5
46	MP2B	X	24.213	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.017	5.5
49	MP2C	X	26.842	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.008	.5
52	MP2C	X	26.842	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	-.008	5.5
55	MP1B	X	18.128	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	.006	.5
58	MP1B	X	18.128	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	.006	5.5
61	MP1C	X	18.774	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	.003	.5
64	MP1C	X	18.774	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	.003	5.5
67	MP4B	X	18.128	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	.006	.5
70	MP4B	X	18.128	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	.006	5.5
73	MP4C	X	18.774	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	.003	.5
76	MP4C	X	18.774	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	.003	5.5
79	MP1A	X	16.63	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	-.008	.5
82	MP1A	X	16.63	5.5
83	MP1A	Z	0	5.5
84	MP1A	Mx	-.008	5.5
85	MP4A	X	16.63	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	-.008	.5
88	MP4A	X	16.63	5.5
89	MP4A	Z	0	5.5
90	MP4A	Mx	-.008	5.5
91	MP2A	X	2.284	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	.001	4.5
94	MP2B	X	2.705	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	0	4.5
96	MP2B	Mx	-.000869	4.5
97	MP2C	X	2.929	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	-.000501	4.5
100	MP3A	X	12.363	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	.006	4.5
103	MP3B	X	10.245	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	-.003	4.5
106	MP3C	X	9.118	4.5
107	MP3C	Z	0	4.5
108	MP3C	Mx	-.002	4.5
109	MP2A	X	7.385	1
110	MP2A	Z	0	1
111	MP2A	Mx	.004	1
112	MP2B	X	10.308	1
113	MP2B	Z	0	1
114	MP2B	Mx	-.003	1
115	MP2C	X	11.864	1
116	MP2C	Z	0	1
117	MP2C	Mx	-.002	1
118	M101	X	.852	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	.852	1
122	M157	Z	0	1
123	M157	Mx	0	1
124	MP2A	X	2.571	6
125	MP2A	Z	0	6
126	MP2A	Mx	.001	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.321	.5
2	MP3A	Z	3.65	.5
3	MP3A	Mx	-.003	.5
4	MP3A	X	6.321	5.5
5	MP3A	Z	3.65	5.5
6	MP3A	Mx	-.003	5.5
7	MP3B	X	12.613	.5
8	MP3B	Z	7.282	.5
9	MP3B	Mx	.001	.5
10	MP3B	X	12.613	5.5
11	MP3B	Z	7.282	5.5
12	MP3B	Mx	.001	5.5
13	MP3C	X	8.506	.5
14	MP3C	Z	4.911	.5
15	MP3C	Mx	.004	.5
16	MP3C	X	8.506	5.5
17	MP3C	Z	4.911	5.5
18	MP3C	Mx	.004	5.5
19	MP2A	X	17.358	.5
20	MP2A	Z	10.022	.5
21	MP2A	Mx	-.006	.5
22	MP2A	X	17.358	5.5
23	MP2A	Z	10.022	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.006	5.5
25	MP2B	X	23.913	.5
26	MP2B	Z	13.806	.5
27	MP2B	Mx	-.011	.5
28	MP2B	X	23.913	5.5
29	MP2B	Z	13.806	5.5
30	MP2B	Mx	-.011	5.5
31	MP2C	X	19.634	.5
32	MP2C	Z	11.336	.5
33	MP2C	Mx	.016	.5
34	MP2C	X	19.634	5.5
35	MP2C	Z	11.336	5.5
36	MP2C	Mx	.016	5.5
37	MP2A	X	17.358	.5
38	MP2A	Z	10.022	.5
39	MP2A	Mx	-.013	.5
40	MP2A	X	17.358	5.5
41	MP2A	Z	10.022	5.5
42	MP2A	Mx	-.013	5.5
43	MP2B	X	23.913	.5
44	MP2B	Z	13.806	.5
45	MP2B	Mx	.016	.5
46	MP2B	X	23.913	5.5
47	MP2B	Z	13.806	5.5
48	MP2B	Mx	.016	5.5
49	MP2C	X	19.634	.5
50	MP2C	Z	11.336	.5
51	MP2C	Mx	.001	.5
52	MP2C	X	19.634	5.5
53	MP2C	Z	11.336	5.5
54	MP2C	Mx	.001	5.5
55	MP1B	X	16.423	.5
56	MP1B	Z	9.482	.5
57	MP1B	Mx	.002	.5
58	MP1B	X	16.423	5.5
59	MP1B	Z	9.482	5.5
60	MP1B	Mx	.002	5.5
61	MP1C	X	15.371	.5
62	MP1C	Z	8.874	.5
63	MP1C	Mx	.007	.5
64	MP1C	X	15.371	5.5
65	MP1C	Z	8.874	5.5
66	MP1C	Mx	.007	5.5
67	MP4B	X	16.423	.5
68	MP4B	Z	9.482	.5
69	MP4B	Mx	.002	.5
70	MP4B	X	16.423	5.5
71	MP4B	Z	9.482	5.5
72	MP4B	Mx	.002	5.5
73	MP4C	X	15.371	.5
74	MP4C	Z	8.874	.5
75	MP4C	Mx	.007	.5
76	MP4C	X	15.371	5.5
77	MP4C	Z	8.874	5.5
78	MP4C	Mx	.007	5.5
79	MP1A	X	13.797	.5
80	MP1A	Z	7.966	.5
81	MP1A	Mx	-.007	.5
82	MP1A	X	13.797	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1A	Z	7.966	5.5
84	MP1A	Mx	-.007	5.5
85	MP4A	X	13.797	.5
86	MP4A	Z	7.966	.5
87	MP4A	Mx	-.007	.5
88	MP4A	X	13.797	5.5
89	MP4A	Z	7.966	5.5
90	MP4A	Mx	-.007	5.5
91	MP2A	X	2.035	4.5
92	MP2A	Z	1.175	4.5
93	MP2A	Mx	.001	4.5
94	MP2B	X	2.593	4.5
95	MP2B	Z	1.497	4.5
96	MP2B	Mx	-.00026	4.5
97	MP2C	X	2.229	4.5
98	MP2C	Z	1.287	4.5
99	MP2C	Mx	-.000986	4.5
100	MP3A	X	10.421	4.5
101	MP3A	Z	6.016	4.5
102	MP3A	Mx	.006	4.5
103	MP3B	X	7.61	4.5
104	MP3B	Z	4.394	4.5
105	MP3B	Mx	-.000763	4.5
106	MP3C	X	9.445	4.5
107	MP3C	Z	5.453	4.5
108	MP3C	Mx	-.004	4.5
109	MP2A	X	6.791	1
110	MP2A	Z	3.921	1
111	MP2A	Mx	.004	1
112	MP2B	X	10.669	1
113	MP2B	Z	6.16	1
114	MP2B	Mx	-.001	1
115	MP2C	X	8.138	1
116	MP2C	Z	4.698	1
117	MP2C	Mx	-.004	1
118	M101	X	.885	1
119	M101	Z	.511	1
120	M101	Mx	0	1
121	M157	X	.885	1
122	M157	Z	.511	1
123	M157	Mx	0	1
124	MP2A	X	3.153	6
125	MP2A	Z	1.82	6
126	MP2A	Mx	.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	5.651	.5
2	MP3A	Z	9.787	.5
3	MP3A	Mx	-.004	.5
4	MP3A	X	5.651	5.5
5	MP3A	Z	9.787	5.5
6	MP3A	Mx	-.004	5.5
7	MP3B	X	6.912	.5
8	MP3B	Z	11.972	.5
9	MP3B	Mx	-.002	.5
10	MP3B	X	6.912	5.5
11	MP3B	Z	11.972	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	-.002	5.5
13	MP3C	X	3.28	.5
14	MP3C	Z	5.681	.5
15	MP3C	Mx	.003	.5
16	MP3C	X	3.28	5.5
17	MP3C	Z	5.681	5.5
18	MP3C	Mx	.003	5.5
19	MP2A	X	12.106	.5
20	MP2A	Z	20.969	.5
21	MP2A	Mx	.001	.5
22	MP2A	X	12.106	5.5
23	MP2A	Z	20.969	5.5
24	MP2A	Mx	.001	5.5
25	MP2B	X	13.421	.5
26	MP2B	Z	23.246	.5
27	MP2B	Mx	-.017	.5
28	MP2B	X	13.421	5.5
29	MP2B	Z	23.246	5.5
30	MP2B	Mx	-.017	5.5
31	MP2C	X	9.636	.5
32	MP2C	Z	16.691	.5
33	MP2C	Mx	.011	.5
34	MP2C	X	9.636	5.5
35	MP2C	Z	16.691	5.5
36	MP2C	Mx	.011	5.5
37	MP2A	X	12.106	.5
38	MP2A	Z	20.969	.5
39	MP2A	Mx	-.017	.5
40	MP2A	X	12.106	5.5
41	MP2A	Z	20.969	5.5
42	MP2A	Mx	-.017	5.5
43	MP2B	X	13.421	.5
44	MP2B	Z	23.246	.5
45	MP2B	Mx	.008	.5
46	MP2B	X	13.421	5.5
47	MP2B	Z	23.246	5.5
48	MP2B	Mx	.008	5.5
49	MP2C	X	9.636	.5
50	MP2C	Z	16.691	.5
51	MP2C	Mx	.008	.5
52	MP2C	X	9.636	5.5
53	MP2C	Z	16.691	5.5
54	MP2C	Mx	.008	5.5
55	MP1B	X	9.387	.5
56	MP1B	Z	16.259	.5
57	MP1B	Mx	-.003	.5
58	MP1B	X	9.387	5.5
59	MP1B	Z	16.259	5.5
60	MP1B	Mx	-.003	5.5
61	MP1C	X	8.456	.5
62	MP1C	Z	14.646	.5
63	MP1C	Mx	.008	.5
64	MP1C	X	8.456	5.5
65	MP1C	Z	14.646	5.5
66	MP1C	Mx	.008	5.5
67	MP4B	X	9.387	.5
68	MP4B	Z	16.259	.5
69	MP4B	Mx	-.003	.5
70	MP4B	X	9.387	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP4B	Z	16.259	5.5
72	MP4B	Mx	-.003	5.5
73	MP4C	X	8.456	.5
74	MP4C	Z	14.646	.5
75	MP4C	Mx	.008	.5
76	MP4C	X	8.456	5.5
77	MP4C	Z	14.646	5.5
78	MP4C	Mx	.008	5.5
79	MP1A	X	6.074	.5
80	MP1A	Z	10.52	.5
81	MP1A	Mx	-.004	.5
82	MP1A	X	6.074	5.5
83	MP1A	Z	10.52	5.5
84	MP1A	Mx	-.004	5.5
85	MP4A	X	6.074	.5
86	MP4A	Z	10.52	.5
87	MP4A	Mx	-.004	.5
88	MP4A	X	6.074	5.5
89	MP4A	Z	10.52	5.5
90	MP4A	Mx	-.004	5.5
91	MP2A	X	1.353	4.5
92	MP2A	Z	2.343	4.5
93	MP2A	Mx	.00087	4.5
94	MP2B	X	1.465	4.5
95	MP2B	Z	2.537	4.5
96	MP2B	Mx	.000501	4.5
97	MP2C	X	1.142	4.5
98	MP2C	Z	1.978	4.5
99	MP2C	Mx	-.001	4.5
100	MP3A	X	5.122	4.5
101	MP3A	Z	8.872	4.5
102	MP3A	Mx	.003	4.5
103	MP3B	X	4.559	4.5
104	MP3B	Z	7.896	4.5
105	MP3B	Mx	.002	4.5
106	MP3C	X	6.182	4.5
107	MP3C	Z	10.707	4.5
108	MP3C	Mx	-.006	4.5
109	MP2A	X	5.154	1
110	MP2A	Z	8.927	1
111	MP2A	Mx	.003	1
112	MP2B	X	5.932	1
113	MP2B	Z	10.274	1
114	MP2B	Mx	.002	1
115	MP2C	X	3.693	1
116	MP2C	Z	6.396	1
117	MP2C	Mx	-.004	1
118	M101	X	.553	1
119	M101	Z	.958	1
120	M101	Mx	0	1
121	M157	X	.553	1
122	M157	Z	.958	1
123	M157	Mx	0	1
124	MP2A	X	2.89	6
125	MP2A	Z	5.006	6
126	MP2A	Mx	.001	6

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	14.564	.5
3	MP3A	Mx	-.001	.5
4	MP3A	X	0	5.5
5	MP3A	Z	14.564	5.5
6	MP3A	Mx	-.001	5.5
7	MP3B	X	0	.5
8	MP3B	Z	9.822	.5
9	MP3B	Mx	-.004	.5
10	MP3B	X	0	5.5
11	MP3B	Z	9.822	5.5
12	MP3B	Mx	-.004	5.5
13	MP3C	X	0	.5
14	MP3C	Z	7.299	.5
15	MP3C	Mx	.003	.5
16	MP3C	X	0	5.5
17	MP3C	Z	7.299	5.5
18	MP3C	Mx	.003	5.5
19	MP2A	X	0	.5
20	MP2A	Z	27.612	.5
21	MP2A	Mx	.011	.5
22	MP2A	X	0	5.5
23	MP2A	Z	27.612	5.5
24	MP2A	Mx	.011	5.5
25	MP2B	X	0	.5
26	MP2B	Z	22.672	.5
27	MP2B	Mx	-.016	.5
28	MP2B	X	0	5.5
29	MP2B	Z	22.672	5.5
30	MP2B	Mx	-.016	5.5
31	MP2C	X	0	.5
32	MP2C	Z	20.043	.5
33	MP2C	Mx	.006	.5
34	MP2C	X	0	5.5
35	MP2C	Z	20.043	5.5
36	MP2C	Mx	.006	5.5
37	MP2A	X	0	.5
38	MP2A	Z	27.612	.5
39	MP2A	Mx	-.016	.5
40	MP2A	X	0	5.5
41	MP2A	Z	27.612	5.5
42	MP2A	Mx	-.016	5.5
43	MP2B	X	0	.5
44	MP2B	Z	22.672	.5
45	MP2B	Mx	-.001	.5
46	MP2B	X	0	5.5
47	MP2B	Z	22.672	5.5
48	MP2B	Mx	-.001	5.5
49	MP2C	X	0	.5
50	MP2C	Z	20.043	.5
51	MP2C	Mx	.013	.5
52	MP2C	X	0	5.5
53	MP2C	Z	20.043	5.5
54	MP2C	Mx	.013	5.5
55	MP1B	X	0	.5
56	MP1B	Z	17.748	.5
57	MP1B	Mx	-.007	.5
58	MP1B	X	0	5.5
59	MP1B	Z	17.748	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1B	Mx	-.007	5.5
61	MP1C	X	0	.5
62	MP1C	Z	17.102	.5
63	MP1C	Mx	.008	.5
64	MP1C	X	0	5.5
65	MP1C	Z	17.102	5.5
66	MP1C	Mx	.008	5.5
67	MP4B	X	0	.5
68	MP4B	Z	17.748	.5
69	MP4B	Mx	-.007	.5
70	MP4B	X	0	5.5
71	MP4B	Z	17.748	5.5
72	MP4B	Mx	-.007	5.5
73	MP4C	X	0	.5
74	MP4C	Z	17.102	.5
75	MP4C	Mx	.008	.5
76	MP4C	X	0	5.5
77	MP4C	Z	17.102	5.5
78	MP4C	Mx	.008	5.5
79	MP1A	X	0	.5
80	MP1A	Z	9.063	.5
81	MP1A	Mx	-.000787	.5
82	MP1A	X	0	5.5
83	MP1A	Z	9.063	5.5
84	MP1A	Mx	-.000787	5.5
85	MP4A	X	0	.5
86	MP4A	Z	9.063	.5
87	MP4A	Mx	-.000787	.5
88	MP4A	X	0	5.5
89	MP4A	Z	9.063	5.5
90	MP4A	Mx	-.000787	5.5
91	MP2A	X	0	4.5
92	MP2A	Z	2.995	4.5
93	MP2A	Mx	.00026	4.5
94	MP2B	X	0	4.5
95	MP2B	Z	2.574	4.5
96	MP2B	Mx	.000986	4.5
97	MP2C	X	0	4.5
98	MP2C	Z	2.35	4.5
99	MP2C	Mx	-.001	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	8.788	4.5
102	MP3A	Mx	.000763	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	10.906	4.5
105	MP3B	Mx	.004	4.5
106	MP3C	X	0	4.5
107	MP3C	Z	12.033	4.5
108	MP3C	Mx	-.006	4.5
109	MP2A	X	0	1
110	MP2A	Z	12.319	1
111	MP2A	Mx	.001	1
112	MP2B	X	0	1
113	MP2B	Z	9.397	1
114	MP2B	Mx	.004	1
115	MP2C	X	0	1
116	MP2C	Z	7.841	1
117	MP2C	Mx	-.004	1
118	M101	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	M101	Z	1.022	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	1.022	1
123	M157	Mx	0	1
124	MP2A	X	0	6
125	MP2A	Z	6.851	6
126	MP2A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.912	.5
2	MP3A	Z	11.972	.5
3	MP3A	Mx	.002	.5
4	MP3A	X	-6.912	5.5
5	MP3A	Z	11.972	5.5
6	MP3A	Mx	.002	5.5
7	MP3B	X	-3.28	.5
8	MP3B	Z	5.681	.5
9	MP3B	Mx	-.003	.5
10	MP3B	X	-3.28	5.5
11	MP3B	Z	5.681	5.5
12	MP3B	Mx	-.003	5.5
13	MP3C	X	-5.651	.5
14	MP3C	Z	9.787	.5
15	MP3C	Mx	.004	.5
16	MP3C	X	-5.651	5.5
17	MP3C	Z	9.787	5.5
18	MP3C	Mx	.004	5.5
19	MP2A	X	-13.421	.5
20	MP2A	Z	23.246	.5
21	MP2A	Mx	.017	.5
22	MP2A	X	-13.421	5.5
23	MP2A	Z	23.246	5.5
24	MP2A	Mx	.017	5.5
25	MP2B	X	-9.636	.5
26	MP2B	Z	16.691	.5
27	MP2B	Mx	-.011	.5
28	MP2B	X	-9.636	5.5
29	MP2B	Z	16.691	5.5
30	MP2B	Mx	-.011	5.5
31	MP2C	X	-12.106	.5
32	MP2C	Z	20.969	.5
33	MP2C	Mx	-.001	.5
34	MP2C	X	-12.106	5.5
35	MP2C	Z	20.969	5.5
36	MP2C	Mx	-.001	5.5
37	MP2A	X	-13.421	.5
38	MP2A	Z	23.246	.5
39	MP2A	Mx	-.008	.5
40	MP2A	X	-13.421	5.5
41	MP2A	Z	23.246	5.5
42	MP2A	Mx	-.008	5.5
43	MP2B	X	-9.636	.5
44	MP2B	Z	16.691	.5
45	MP2B	Mx	-.008	.5
46	MP2B	X	-9.636	5.5
47	MP2B	Z	16.691	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	-.008	5.5
49	MP2C	X	-12.106	.5
50	MP2C	Z	20.969	.5
51	MP2C	Mx	.017	.5
52	MP2C	X	-12.106	5.5
53	MP2C	Z	20.969	5.5
54	MP2C	Mx	.017	5.5
55	MP1B	X	-8.456	.5
56	MP1B	Z	14.646	.5
57	MP1B	Mx	-.008	.5
58	MP1B	X	-8.456	5.5
59	MP1B	Z	14.646	5.5
60	MP1B	Mx	-.008	5.5
61	MP1C	X	-9.064	.5
62	MP1C	Z	15.699	.5
63	MP1C	Mx	.006	.5
64	MP1C	X	-9.064	5.5
65	MP1C	Z	15.699	5.5
66	MP1C	Mx	.006	5.5
67	MP4B	X	-8.456	.5
68	MP4B	Z	14.646	.5
69	MP4B	Mx	-.008	.5
70	MP4B	X	-8.456	5.5
71	MP4B	Z	14.646	5.5
72	MP4B	Mx	-.008	5.5
73	MP4C	X	-9.064	.5
74	MP4C	Z	15.699	.5
75	MP4C	Mx	.006	.5
76	MP4C	X	-9.064	5.5
77	MP4C	Z	15.699	5.5
78	MP4C	Mx	.006	5.5
79	MP1A	X	-4.881	.5
80	MP1A	Z	8.454	.5
81	MP1A	Mx	.002	.5
82	MP1A	X	-4.881	5.5
83	MP1A	Z	8.454	5.5
84	MP1A	Mx	.002	5.5
85	MP4A	X	-4.881	.5
86	MP4A	Z	8.454	.5
87	MP4A	Mx	.002	.5
88	MP4A	X	-4.881	5.5
89	MP4A	Z	8.454	5.5
90	MP4A	Mx	.002	5.5
91	MP2A	X	-1.465	4.5
92	MP2A	Z	2.537	4.5
93	MP2A	Mx	-.000501	4.5
94	MP2B	X	-1.142	4.5
95	MP2B	Z	1.978	4.5
96	MP2B	Mx	.001	4.5
97	MP2C	X	-1.353	4.5
98	MP2C	Z	2.343	4.5
99	MP2C	Mx	-.000869	4.5
100	MP3A	X	-4.559	4.5
101	MP3A	Z	7.896	4.5
102	MP3A	Mx	-.002	4.5
103	MP3B	X	-6.182	4.5
104	MP3B	Z	10.707	4.5
105	MP3B	Mx	.006	4.5
106	MP3C	X	-5.122	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	8.872	4.5
108	MP3C	Mx	-.003	4.5
109	MP2A	X	-5.932	1
110	MP2A	Z	10.274	1
111	MP2A	Mx	-.002	1
112	MP2B	X	-3.693	1
113	MP2B	Z	6.396	1
114	MP2B	Mx	.004	1
115	MP2C	X	-5.154	1
116	MP2C	Z	8.927	1
117	MP2C	Mx	-.003	1
118	M101	X	-.426	1
119	M101	Z	.738	1
120	M101	Mx	0	1
121	M157	X	-.426	1
122	M157	Z	.738	1
123	M157	Mx	0	1
124	MP2A	X	-2.89	6
125	MP2A	Z	5.006	6
126	MP2A	Mx	-.001	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-8.506	.5
2	MP3A	Z	4.911	.5
3	MP3A	Mx	.004	.5
4	MP3A	X	-8.506	5.5
5	MP3A	Z	4.911	5.5
6	MP3A	Mx	.004	5.5
7	MP3B	X	-6.321	.5
8	MP3B	Z	3.65	.5
9	MP3B	Mx	-.003	.5
10	MP3B	X	-6.321	5.5
11	MP3B	Z	3.65	5.5
12	MP3B	Mx	-.003	5.5
13	MP3C	X	-12.613	.5
14	MP3C	Z	7.282	.5
15	MP3C	Mx	.001	.5
16	MP3C	X	-12.613	5.5
17	MP3C	Z	7.282	5.5
18	MP3C	Mx	.001	5.5
19	MP2A	X	-19.634	.5
20	MP2A	Z	11.336	.5
21	MP2A	Mx	.016	.5
22	MP2A	X	-19.634	5.5
23	MP2A	Z	11.336	5.5
24	MP2A	Mx	.016	5.5
25	MP2B	X	-17.358	.5
26	MP2B	Z	10.022	.5
27	MP2B	Mx	-.006	.5
28	MP2B	X	-17.358	5.5
29	MP2B	Z	10.022	5.5
30	MP2B	Mx	-.006	5.5
31	MP2C	X	-23.913	.5
32	MP2C	Z	13.806	.5
33	MP2C	Mx	-.011	.5
34	MP2C	X	-23.913	5.5
35	MP2C	Z	13.806	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.011	5.5
37	MP2A	X	-19.634	.5
38	MP2A	Z	11.336	.5
39	MP2A	Mx	.001	.5
40	MP2A	X	-19.634	5.5
41	MP2A	Z	11.336	5.5
42	MP2A	Mx	.001	5.5
43	MP2B	X	-17.358	.5
44	MP2B	Z	10.022	.5
45	MP2B	Mx	-.013	.5
46	MP2B	X	-17.358	5.5
47	MP2B	Z	10.022	5.5
48	MP2B	Mx	-.013	5.5
49	MP2C	X	-23.913	.5
50	MP2C	Z	13.806	.5
51	MP2C	Mx	.016	.5
52	MP2C	X	-23.913	5.5
53	MP2C	Z	13.806	5.5
54	MP2C	Mx	.016	5.5
55	MP1B	X	-14.811	.5
56	MP1B	Z	8.551	.5
57	MP1B	Mx	-.008	.5
58	MP1B	X	-14.811	5.5
59	MP1B	Z	8.551	5.5
60	MP1B	Mx	-.008	5.5
61	MP1C	X	-16.423	.5
62	MP1C	Z	9.482	.5
63	MP1C	Mx	.002	.5
64	MP1C	X	-16.423	5.5
65	MP1C	Z	9.482	5.5
66	MP1C	Mx	.002	5.5
67	MP4B	X	-14.811	.5
68	MP4B	Z	8.551	.5
69	MP4B	Mx	-.008	.5
70	MP4B	X	-14.811	5.5
71	MP4B	Z	8.551	5.5
72	MP4B	Mx	-.008	5.5
73	MP4C	X	-16.423	.5
74	MP4C	Z	9.482	.5
75	MP4C	Mx	.002	.5
76	MP4C	X	-16.423	5.5
77	MP4C	Z	9.482	5.5
78	MP4C	Mx	.002	5.5
79	MP1A	X	-11.731	.5
80	MP1A	Z	6.773	.5
81	MP1A	Mx	.005	.5
82	MP1A	X	-11.731	5.5
83	MP1A	Z	6.773	5.5
84	MP1A	Mx	.005	5.5
85	MP4A	X	-11.731	.5
86	MP4A	Z	6.773	.5
87	MP4A	Mx	.005	.5
88	MP4A	X	-11.731	5.5
89	MP4A	Z	6.773	5.5
90	MP4A	Mx	.005	5.5
91	MP2A	X	-2.229	4.5
92	MP2A	Z	1.287	4.5
93	MP2A	Mx	-.000986	4.5
94	MP2B	X	-2.035	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	1.175	4.5
96	MP2B	Mx	.001	4.5
97	MP2C	X	-2.593	4.5
98	MP2C	Z	1.497	4.5
99	MP2C	Mx	-.00026	4.5
100	MP3A	X	-9.445	4.5
101	MP3A	Z	5.453	4.5
102	MP3A	Mx	-.004	4.5
103	MP3B	X	-10.421	4.5
104	MP3B	Z	6.016	4.5
105	MP3B	Mx	.006	4.5
106	MP3C	X	-7.61	4.5
107	MP3C	Z	4.394	4.5
108	MP3C	Mx	-.000763	4.5
109	MP2A	X	-8.138	1
110	MP2A	Z	4.698	1
111	MP2A	Mx	-.004	1
112	MP2B	X	-6.791	1
113	MP2B	Z	3.921	1
114	MP2B	Mx	.004	1
115	MP2C	X	-10.669	1
116	MP2C	Z	6.16	1
117	MP2C	Mx	-.001	1
118	M101	X	-.665	1
119	M101	Z	.384	1
120	M101	Mx	0	1
121	M157	X	-.665	1
122	M157	Z	.384	1
123	M157	Mx	0	1
124	MP2A	X	-3.153	6
125	MP2A	Z	1.82	6
126	MP2A	Mx	-.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.56	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.003	.5
4	MP3A	X	-6.56	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.003	5.5
7	MP3B	X	-11.301	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.004	.5
10	MP3B	X	-11.301	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.004	5.5
13	MP3C	X	-13.824	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.002	.5
16	MP3C	X	-13.824	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.002	5.5
19	MP2A	X	-19.273	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.011	.5
22	MP2A	X	-19.273	5.5
23	MP2A	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.011	5.5
25	MP2B	X	-24.213	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.001	.5
28	MP2B	X	-24.213	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.001	5.5
31	MP2C	X	-26.842	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.017	.5
34	MP2C	X	-26.842	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.017	5.5
37	MP2A	X	-19.273	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.008	.5
40	MP2A	X	-19.273	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	.008	5.5
43	MP2B	X	-24.213	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.017	.5
46	MP2B	X	-24.213	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	-.017	5.5
49	MP2C	X	-26.842	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.008	.5
52	MP2C	X	-26.842	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	.008	5.5
55	MP1B	X	-18.128	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	-.006	.5
58	MP1B	X	-18.128	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	-.006	5.5
61	MP1C	X	-18.774	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	-.003	.5
64	MP1C	X	-18.774	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	-.003	5.5
67	MP4B	X	-18.128	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	-.006	.5
70	MP4B	X	-18.128	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	-.006	5.5
73	MP4C	X	-18.774	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	-.003	.5
76	MP4C	X	-18.774	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	-.003	5.5
79	MP1A	X	-16.63	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	.008	.5
82	MP1A	X	-16.63	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1A	Z	0	5.5
84	MP1A	Mx	.008	5.5
85	MP4A	X	-16.63	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	.008	.5
88	MP4A	X	-16.63	5.5
89	MP4A	Z	0	5.5
90	MP4A	Mx	.008	5.5
91	MP2A	X	-2.284	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	-.001	4.5
94	MP2B	X	-2.705	4.5
95	MP2B	Z	0	4.5
96	MP2B	Mx	.000869	4.5
97	MP2C	X	-2.929	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	.000501	4.5
100	MP3A	X	-12.363	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	-.006	4.5
103	MP3B	X	-10.245	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	.003	4.5
106	MP3C	X	-9.118	4.5
107	MP3C	Z	0	4.5
108	MP3C	Mx	.002	4.5
109	MP2A	X	-7.385	1
110	MP2A	Z	0	1
111	MP2A	Mx	-.004	1
112	MP2B	X	-10.308	1
113	MP2B	Z	0	1
114	MP2B	Mx	.003	1
115	MP2C	X	-11.864	1
116	MP2C	Z	0	1
117	MP2C	Mx	.002	1
118	M101	X	-.852	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	-.852	1
122	M157	Z	0	1
123	M157	Mx	0	1
124	MP2A	X	-2.571	6
125	MP2A	Z	0	6
126	MP2A	Mx	-.001	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.321	.5
2	MP3A	Z	-3.65	.5
3	MP3A	Mx	.003	.5
4	MP3A	X	-6.321	5.5
5	MP3A	Z	-3.65	5.5
6	MP3A	Mx	.003	5.5
7	MP3B	X	-12.613	.5
8	MP3B	Z	-7.282	.5
9	MP3B	Mx	-.001	.5
10	MP3B	X	-12.613	5.5
11	MP3B	Z	-7.282	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	-.001	5.5
13	MP3C	X	-8.506	.5
14	MP3C	Z	-4.911	.5
15	MP3C	Mx	-.004	.5
16	MP3C	X	-8.506	5.5
17	MP3C	Z	-4.911	5.5
18	MP3C	Mx	-.004	5.5
19	MP2A	X	-17.358	.5
20	MP2A	Z	-10.022	.5
21	MP2A	Mx	.006	.5
22	MP2A	X	-17.358	5.5
23	MP2A	Z	-10.022	5.5
24	MP2A	Mx	.006	5.5
25	MP2B	X	-23.913	.5
26	MP2B	Z	-13.806	.5
27	MP2B	Mx	.011	.5
28	MP2B	X	-23.913	5.5
29	MP2B	Z	-13.806	5.5
30	MP2B	Mx	.011	5.5
31	MP2C	X	-19.634	.5
32	MP2C	Z	-11.336	.5
33	MP2C	Mx	-.016	.5
34	MP2C	X	-19.634	5.5
35	MP2C	Z	-11.336	5.5
36	MP2C	Mx	-.016	5.5
37	MP2A	X	-17.358	.5
38	MP2A	Z	-10.022	.5
39	MP2A	Mx	.013	.5
40	MP2A	X	-17.358	5.5
41	MP2A	Z	-10.022	5.5
42	MP2A	Mx	.013	5.5
43	MP2B	X	-23.913	.5
44	MP2B	Z	-13.806	.5
45	MP2B	Mx	-.016	.5
46	MP2B	X	-23.913	5.5
47	MP2B	Z	-13.806	5.5
48	MP2B	Mx	-.016	5.5
49	MP2C	X	-19.634	.5
50	MP2C	Z	-11.336	.5
51	MP2C	Mx	-.001	.5
52	MP2C	X	-19.634	5.5
53	MP2C	Z	-11.336	5.5
54	MP2C	Mx	-.001	5.5
55	MP1B	X	-16.423	.5
56	MP1B	Z	-9.482	.5
57	MP1B	Mx	-.002	.5
58	MP1B	X	-16.423	5.5
59	MP1B	Z	-9.482	5.5
60	MP1B	Mx	-.002	5.5
61	MP1C	X	-15.371	.5
62	MP1C	Z	-8.874	.5
63	MP1C	Mx	-.007	.5
64	MP1C	X	-15.371	5.5
65	MP1C	Z	-8.874	5.5
66	MP1C	Mx	-.007	5.5
67	MP4B	X	-16.423	.5
68	MP4B	Z	-9.482	.5
69	MP4B	Mx	-.002	.5
70	MP4B	X	-16.423	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP4B	Z	-9.482	5.5
72	MP4B	Mx	-.002	5.5
73	MP4C	X	-15.371	.5
74	MP4C	Z	-8.874	.5
75	MP4C	Mx	-.007	.5
76	MP4C	X	-15.371	5.5
77	MP4C	Z	-8.874	5.5
78	MP4C	Mx	-.007	5.5
79	MP1A	X	-13.797	.5
80	MP1A	Z	-7.966	.5
81	MP1A	Mx	.007	.5
82	MP1A	X	-13.797	5.5
83	MP1A	Z	-7.966	5.5
84	MP1A	Mx	.007	5.5
85	MP4A	X	-13.797	.5
86	MP4A	Z	-7.966	.5
87	MP4A	Mx	.007	.5
88	MP4A	X	-13.797	5.5
89	MP4A	Z	-7.966	5.5
90	MP4A	Mx	.007	5.5
91	MP2A	X	-2.035	4.5
92	MP2A	Z	-1.175	4.5
93	MP2A	Mx	-.001	4.5
94	MP2B	X	-2.593	4.5
95	MP2B	Z	-1.497	4.5
96	MP2B	Mx	.00026	4.5
97	MP2C	X	-2.229	4.5
98	MP2C	Z	-1.287	4.5
99	MP2C	Mx	.000986	4.5
100	MP3A	X	-10.421	4.5
101	MP3A	Z	-6.016	4.5
102	MP3A	Mx	-.006	4.5
103	MP3B	X	-7.61	4.5
104	MP3B	Z	-4.394	4.5
105	MP3B	Mx	.000763	4.5
106	MP3C	X	-9.445	4.5
107	MP3C	Z	-5.453	4.5
108	MP3C	Mx	.004	4.5
109	MP2A	X	-6.791	1
110	MP2A	Z	-3.921	1
111	MP2A	Mx	-.004	1
112	MP2B	X	-10.669	1
113	MP2B	Z	-6.16	1
114	MP2B	Mx	.001	1
115	MP2C	X	-8.138	1
116	MP2C	Z	-4.698	1
117	MP2C	Mx	.004	1
118	M101	X	-.885	1
119	M101	Z	-.511	1
120	M101	Mx	0	1
121	M157	X	-.885	1
122	M157	Z	-.511	1
123	M157	Mx	0	1
124	MP2A	X	-3.153	6
125	MP2A	Z	-1.82	6
126	MP2A	Mx	-.002	6

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-5.651	.5
2	MP3A	Z	-9.787	.5
3	MP3A	Mx	.004	.5
4	MP3A	X	-5.651	5.5
5	MP3A	Z	-9.787	5.5
6	MP3A	Mx	.004	5.5
7	MP3B	X	-6.912	.5
8	MP3B	Z	-11.972	.5
9	MP3B	Mx	.002	.5
10	MP3B	X	-6.912	5.5
11	MP3B	Z	-11.972	5.5
12	MP3B	Mx	.002	5.5
13	MP3C	X	-3.28	.5
14	MP3C	Z	-5.681	.5
15	MP3C	Mx	-.003	.5
16	MP3C	X	-3.28	5.5
17	MP3C	Z	-5.681	5.5
18	MP3C	Mx	-.003	5.5
19	MP2A	X	-12.106	.5
20	MP2A	Z	-20.969	.5
21	MP2A	Mx	-.001	.5
22	MP2A	X	-12.106	5.5
23	MP2A	Z	-20.969	5.5
24	MP2A	Mx	-.001	5.5
25	MP2B	X	-13.421	.5
26	MP2B	Z	-23.246	.5
27	MP2B	Mx	.017	.5
28	MP2B	X	-13.421	5.5
29	MP2B	Z	-23.246	5.5
30	MP2B	Mx	.017	5.5
31	MP2C	X	-9.636	.5
32	MP2C	Z	-16.691	.5
33	MP2C	Mx	-.011	.5
34	MP2C	X	-9.636	5.5
35	MP2C	Z	-16.691	5.5
36	MP2C	Mx	-.011	5.5
37	MP2A	X	-12.106	.5
38	MP2A	Z	-20.969	.5
39	MP2A	Mx	.017	.5
40	MP2A	X	-12.106	5.5
41	MP2A	Z	-20.969	5.5
42	MP2A	Mx	.017	5.5
43	MP2B	X	-13.421	.5
44	MP2B	Z	-23.246	.5
45	MP2B	Mx	-.008	.5
46	MP2B	X	-13.421	5.5
47	MP2B	Z	-23.246	5.5
48	MP2B	Mx	-.008	5.5
49	MP2C	X	-9.636	.5
50	MP2C	Z	-16.691	.5
51	MP2C	Mx	-.008	.5
52	MP2C	X	-9.636	5.5
53	MP2C	Z	-16.691	5.5
54	MP2C	Mx	-.008	5.5
55	MP1B	X	-9.387	.5
56	MP1B	Z	-16.259	.5
57	MP1B	Mx	.003	.5
58	MP1B	X	-9.387	5.5
59	MP1B	Z	-16.259	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1B	Mx	.003	5.5
61	MP1C	X	-8.456	.5
62	MP1C	Z	-14.646	.5
63	MP1C	Mx	-.008	.5
64	MP1C	X	-8.456	5.5
65	MP1C	Z	-14.646	5.5
66	MP1C	Mx	-.008	5.5
67	MP4B	X	-9.387	.5
68	MP4B	Z	-16.259	.5
69	MP4B	Mx	.003	.5
70	MP4B	X	-9.387	5.5
71	MP4B	Z	-16.259	5.5
72	MP4B	Mx	.003	5.5
73	MP4C	X	-8.456	.5
74	MP4C	Z	-14.646	.5
75	MP4C	Mx	-.008	.5
76	MP4C	X	-8.456	5.5
77	MP4C	Z	-14.646	5.5
78	MP4C	Mx	-.008	5.5
79	MP1A	X	-6.074	.5
80	MP1A	Z	-10.52	.5
81	MP1A	Mx	.004	.5
82	MP1A	X	-6.074	5.5
83	MP1A	Z	-10.52	5.5
84	MP1A	Mx	.004	5.5
85	MP4A	X	-6.074	.5
86	MP4A	Z	-10.52	.5
87	MP4A	Mx	.004	.5
88	MP4A	X	-6.074	5.5
89	MP4A	Z	-10.52	5.5
90	MP4A	Mx	.004	5.5
91	MP2A	X	-1.353	4.5
92	MP2A	Z	-2.343	4.5
93	MP2A	Mx	-.00087	4.5
94	MP2B	X	-1.465	4.5
95	MP2B	Z	-2.537	4.5
96	MP2B	Mx	-.000501	4.5
97	MP2C	X	-1.142	4.5
98	MP2C	Z	-1.978	4.5
99	MP2C	Mx	.001	4.5
100	MP3A	X	-5.122	4.5
101	MP3A	Z	-8.872	4.5
102	MP3A	Mx	-.003	4.5
103	MP3B	X	-4.559	4.5
104	MP3B	Z	-7.896	4.5
105	MP3B	Mx	-.002	4.5
106	MP3C	X	-6.182	4.5
107	MP3C	Z	-10.707	4.5
108	MP3C	Mx	.006	4.5
109	MP2A	X	-5.154	1
110	MP2A	Z	-8.927	1
111	MP2A	Mx	-.003	1
112	MP2B	X	-5.932	1
113	MP2B	Z	-10.274	1
114	MP2B	Mx	-.002	1
115	MP2C	X	-3.693	1
116	MP2C	Z	-6.396	1
117	MP2C	Mx	.004	1
118	M101	X	-.553	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	M101	Z	-.958	1
120	M101	Mx	0	1
121	M157	X	-.553	1
122	M157	Z	-.958	1
123	M157	Mx	0	1
124	MP2A	X	-2.89	6
125	MP2A	Z	-5.006	6
126	MP2A	Mx	-.001	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	-3.87	.5
3	MP3A	Mx	.000336	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-3.87	5.5
6	MP3A	Mx	.000336	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-2.429	.5
9	MP3B	Mx	.00093	.5
10	MP3B	X	0	5.5
11	MP3B	Z	-2.429	5.5
12	MP3B	Mx	.00093	5.5
13	MP3C	X	0	.5
14	MP3C	Z	-1.662	.5
15	MP3C	Mx	-.000781	.5
16	MP3C	X	0	5.5
17	MP3C	Z	-1.662	5.5
18	MP3C	Mx	-.000781	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-9.08	.5
21	MP2A	Mx	-.004	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-9.08	5.5
24	MP2A	Mx	-.004	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-7.327	.5
27	MP2B	Mx	.005	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-7.327	5.5
30	MP2B	Mx	.005	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-6.394	.5
33	MP2C	Mx	-.002	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-6.394	5.5
36	MP2C	Mx	-.002	5.5
37	MP2A	X	0	.5
38	MP2A	Z	-9.08	.5
39	MP2A	Mx	.005	.5
40	MP2A	X	0	5.5
41	MP2A	Z	-9.08	5.5
42	MP2A	Mx	.005	5.5
43	MP2B	X	0	.5
44	MP2B	Z	-7.327	.5
45	MP2B	Mx	.000452	.5
46	MP2B	X	0	5.5
47	MP2B	Z	-7.327	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	.000452	5.5
49	MP2C	X	0	.5
50	MP2C	Z	-6.394	.5
51	MP2C	Mx	-.004	.5
52	MP2C	X	0	5.5
53	MP2C	Z	-6.394	5.5
54	MP2C	Mx	-.004	5.5
55	MP1B	X	0	.5
56	MP1B	Z	-5.744	.5
57	MP1B	Mx	.002	.5
58	MP1B	X	0	5.5
59	MP1B	Z	-5.744	5.5
60	MP1B	Mx	.002	5.5
61	MP1C	X	0	.5
62	MP1C	Z	-5.517	.5
63	MP1C	Mx	-.003	.5
64	MP1C	X	0	5.5
65	MP1C	Z	-5.517	5.5
66	MP1C	Mx	-.003	5.5
67	MP4B	X	0	.5
68	MP4B	Z	-5.744	.5
69	MP4B	Mx	.002	.5
70	MP4B	X	0	5.5
71	MP4B	Z	-5.744	5.5
72	MP4B	Mx	.002	5.5
73	MP4C	X	0	.5
74	MP4C	Z	-5.517	.5
75	MP4C	Mx	-.003	.5
76	MP4C	X	0	5.5
77	MP4C	Z	-5.517	5.5
78	MP4C	Mx	-.003	5.5
79	MP1A	X	0	.5
80	MP1A	Z	-2.713	.5
81	MP1A	Mx	.000236	.5
82	MP1A	X	0	5.5
83	MP1A	Z	-2.713	5.5
84	MP1A	Mx	.000236	5.5
85	MP4A	X	0	.5
86	MP4A	Z	-2.713	.5
87	MP4A	Mx	.000236	.5
88	MP4A	X	0	5.5
89	MP4A	Z	-2.713	5.5
90	MP4A	Mx	.000236	5.5
91	MP2A	X	0	4.5
92	MP2A	Z	-.738	4.5
93	MP2A	Mx	-6.4e-5	4.5
94	MP2B	X	0	4.5
95	MP2B	Z	-.611	4.5
96	MP2B	Mx	-.000234	4.5
97	MP2C	X	0	4.5
98	MP2C	Z	-.543	4.5
99	MP2C	Mx	.000255	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	-3.091	4.5
102	MP3A	Mx	-.000268	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	-2.519	4.5
105	MP3B	Mx	-.000965	4.5
106	MP3C	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	-2.215	4.5
108	MP3C	Mx	.001	4.5
109	MP2A	X	0	1
110	MP2A	Z	-3.08	1
111	MP2A	Mx	-.000267	1
112	MP2B	X	0	1
113	MP2B	Z	-2.295	1
114	MP2B	Mx	-.000879	1
115	MP2C	X	0	1
116	MP2C	Z	-1.877	1
117	MP2C	Mx	.000882	1
118	M101	X	0	1
119	M101	Z	-3.777	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	-3.777	1
123	M157	Mx	0	1
124	MP2A	X	0	6
125	MP2A	Z	-1.934	6
126	MP2A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.823	.5
2	MP3A	Z	-3.157	.5
3	MP3A	Mx	-.000624	.5
4	MP3A	X	1.823	5.5
5	MP3A	Z	-3.157	5.5
6	MP3A	Mx	-.000624	5.5
7	MP3B	X	.719	.5
8	MP3B	Z	-1.245	.5
9	MP3B	Mx	.000708	.5
10	MP3B	X	.719	5.5
11	MP3B	Z	-1.245	5.5
12	MP3B	Mx	.000708	5.5
13	MP3C	X	1.439	.5
14	MP3C	Z	-2.493	.5
15	MP3C	Mx	-.000925	.5
16	MP3C	X	1.439	5.5
17	MP3C	Z	-2.493	5.5
18	MP3C	Mx	-.000925	5.5
19	MP2A	X	4.403	.5
20	MP2A	Z	-7.627	.5
21	MP2A	Mx	-.006	.5
22	MP2A	X	4.403	5.5
23	MP2A	Z	-7.627	5.5
24	MP2A	Mx	-.006	5.5
25	MP2B	X	3.061	.5
26	MP2B	Z	-5.301	.5
27	MP2B	Mx	.004	.5
28	MP2B	X	3.061	5.5
29	MP2B	Z	-5.301	5.5
30	MP2B	Mx	.004	5.5
31	MP2C	X	3.937	.5
32	MP2C	Z	-6.819	.5
33	MP2C	Mx	.000485	.5
34	MP2C	X	3.937	5.5
35	MP2C	Z	-6.819	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.000485	5.5
37	MP2A	X	4.403	.5
38	MP2A	Z	-7.627	.5
39	MP2A	Mx	.003	.5
40	MP2A	X	4.403	5.5
41	MP2A	Z	-7.627	5.5
42	MP2A	Mx	.003	5.5
43	MP2B	X	3.061	.5
44	MP2B	Z	-5.301	.5
45	MP2B	Mx	.002	.5
46	MP2B	X	3.061	5.5
47	MP2B	Z	-5.301	5.5
48	MP2B	Mx	.002	5.5
49	MP2C	X	3.937	.5
50	MP2C	Z	-6.819	.5
51	MP2C	Mx	-.006	.5
52	MP2C	X	3.937	5.5
53	MP2C	Z	-6.819	5.5
54	MP2C	Mx	-.006	5.5
55	MP1B	X	2.725	.5
56	MP1B	Z	-4.72	.5
57	MP1B	Mx	.003	.5
58	MP1B	X	2.725	5.5
59	MP1B	Z	-4.72	5.5
60	MP1B	Mx	.003	5.5
61	MP1C	X	2.939	.5
62	MP1C	Z	-5.09	.5
63	MP1C	Mx	-.002	.5
64	MP1C	X	2.939	5.5
65	MP1C	Z	-5.09	5.5
66	MP1C	Mx	-.002	5.5
67	MP4B	X	2.725	.5
68	MP4B	Z	-4.72	.5
69	MP4B	Mx	.003	.5
70	MP4B	X	2.725	5.5
71	MP4B	Z	-4.72	5.5
72	MP4B	Mx	.003	5.5
73	MP4C	X	2.939	.5
74	MP4C	Z	-5.09	.5
75	MP4C	Mx	-.002	.5
76	MP4C	X	2.939	5.5
77	MP4C	Z	-5.09	5.5
78	MP4C	Mx	-.002	5.5
79	MP1A	X	1.479	.5
80	MP1A	Z	-2.561	.5
81	MP1A	Mx	-.000506	.5
82	MP1A	X	1.479	5.5
83	MP1A	Z	-2.561	5.5
84	MP1A	Mx	-.000506	5.5
85	MP4A	X	1.479	.5
86	MP4A	Z	-2.561	.5
87	MP4A	Mx	-.000506	.5
88	MP4A	X	1.479	5.5
89	MP4A	Z	-2.561	5.5
90	MP4A	Mx	-.000506	5.5
91	MP2A	X	.359	4.5
92	MP2A	Z	-.622	4.5
93	MP2A	Mx	.000123	4.5
94	MP2B	X	.261	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	-.453	4.5
96	MP2B	Mx	-.000257	4.5
97	MP2C	X	.325	4.5
98	MP2C	Z	-.563	4.5
99	MP2C	Mx	.000209	4.5
100	MP3A	X	1.501	4.5
101	MP3A	Z	-2.6	4.5
102	MP3A	Mx	.000513	4.5
103	MP3B	X	1.063	4.5
104	MP3B	Z	-1.841	4.5
105	MP3B	Mx	-.001	4.5
106	MP3C	X	1.349	4.5
107	MP3C	Z	-2.336	4.5
108	MP3C	Mx	.000867	4.5
109	MP2A	X	1.479	1
110	MP2A	Z	-2.561	1
111	MP2A	Mx	.000506	1
112	MP2B	X	.877	1
113	MP2B	Z	-1.52	1
114	MP2B	Mx	-.000864	1
115	MP2C	X	1.27	1
116	MP2C	Z	-2.199	1
117	MP2C	Mx	.000816	1
118	M101	X	.629	1
119	M101	Z	-1.09	1
120	M101	Mx	0	1
121	M157	X	.629	1
122	M157	Z	-1.09	1
123	M157	Mx	0	1
124	MP2A	X	.798	6
125	MP2A	Z	-1.383	6
126	MP2A	Mx	.000399	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.104	.5
2	MP3A	Z	-1.215	.5
3	MP3A	Mx	-.000931	.5
4	MP3A	X	2.104	5.5
5	MP3A	Z	-1.215	5.5
6	MP3A	Mx	-.000931	5.5
7	MP3B	X	1.44	.5
8	MP3B	Z	-.831	.5
9	MP3B	Mx	.000781	.5
10	MP3B	X	1.44	5.5
11	MP3B	Z	-.831	5.5
12	MP3B	Mx	.000781	5.5
13	MP3C	X	3.351	.5
14	MP3C	Z	-1.935	.5
15	MP3C	Mx	-.000336	.5
16	MP3C	X	3.351	5.5
17	MP3C	Z	-1.935	5.5
18	MP3C	Mx	-.000336	5.5
19	MP2A	X	6.345	.5
20	MP2A	Z	-3.664	.5
21	MP2A	Mx	-.005	.5
22	MP2A	X	6.345	5.5
23	MP2A	Z	-3.664	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.005	5.5
25	MP2B	X	5.538	.5
26	MP2B	Z	-3.197	.5
27	MP2B	Mx	.002	.5
28	MP2B	X	5.538	5.5
29	MP2B	Z	-3.197	5.5
30	MP2B	Mx	.002	5.5
31	MP2C	X	7.864	.5
32	MP2C	Z	-4.54	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	7.864	5.5
35	MP2C	Z	-4.54	5.5
36	MP2C	Mx	.004	5.5
37	MP2A	X	6.345	.5
38	MP2A	Z	-3.664	.5
39	MP2A	Mx	-.000451	.5
40	MP2A	X	6.345	5.5
41	MP2A	Z	-3.664	5.5
42	MP2A	Mx	-.000451	5.5
43	MP2B	X	5.538	.5
44	MP2B	Z	-3.197	.5
45	MP2B	Mx	.004	.5
46	MP2B	X	5.538	5.5
47	MP2B	Z	-3.197	5.5
48	MP2B	Mx	.004	5.5
49	MP2C	X	7.864	.5
50	MP2C	Z	-4.54	.5
51	MP2C	Mx	-.005	.5
52	MP2C	X	7.864	5.5
53	MP2C	Z	-4.54	5.5
54	MP2C	Mx	-.005	5.5
55	MP1B	X	4.778	.5
56	MP1B	Z	-2.758	.5
57	MP1B	Mx	.003	.5
58	MP1B	X	4.778	5.5
59	MP1B	Z	-2.758	5.5
60	MP1B	Mx	.003	5.5
61	MP1C	X	5.344	.5
62	MP1C	Z	-3.085	.5
63	MP1C	Mx	-.000536	.5
64	MP1C	X	5.344	5.5
65	MP1C	Z	-3.085	5.5
66	MP1C	Mx	-.000536	5.5
67	MP4B	X	4.778	.5
68	MP4B	Z	-2.758	.5
69	MP4B	Mx	.003	.5
70	MP4B	X	4.778	5.5
71	MP4B	Z	-2.758	5.5
72	MP4B	Mx	.003	5.5
73	MP4C	X	5.344	.5
74	MP4C	Z	-3.085	.5
75	MP4C	Mx	-.000536	.5
76	MP4C	X	5.344	5.5
77	MP4C	Z	-3.085	5.5
78	MP4C	Mx	-.000536	5.5
79	MP1A	X	3.704	.5
80	MP1A	Z	-2.138	.5
81	MP1A	Mx	-.002	.5
82	MP1A	X	3.704	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1A	Z	-2.138	5.5
84	MP1A	Mx	-.002	5.5
85	MP4A	X	3.704	.5
86	MP4A	Z	-2.138	.5
87	MP4A	Mx	-.002	.5
88	MP4A	X	3.704	5.5
89	MP4A	Z	-2.138	5.5
90	MP4A	Mx	-.002	5.5
91	MP2A	X	.529	4.5
92	MP2A	Z	-.305	4.5
93	MP2A	Mx	.000234	4.5
94	MP2B	X	.47	4.5
95	MP2B	Z	-.271	4.5
96	MP2B	Mx	-.000255	4.5
97	MP2C	X	.639	4.5
98	MP2C	Z	-.369	4.5
99	MP2C	Mx	6.4e-5	4.5
100	MP3A	X	2.182	4.5
101	MP3A	Z	-1.26	4.5
102	MP3A	Mx	.000965	4.5
103	MP3B	X	1.918	4.5
104	MP3B	Z	-1.108	4.5
105	MP3B	Mx	-.001	4.5
106	MP3C	X	2.677	4.5
107	MP3C	Z	-1.546	4.5
108	MP3C	Mx	.000269	4.5
109	MP2A	X	1.987	1
110	MP2A	Z	-1.147	1
111	MP2A	Mx	.000879	1
112	MP2B	X	1.626	1
113	MP2B	Z	-.939	1
114	MP2B	Mx	-.000882	1
115	MP2C	X	2.667	1
116	MP2C	Z	-1.54	1
117	MP2C	Mx	.000267	1
118	M101	X	0	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	0	1
123	M157	Mx	0	1
124	MP2A	X	.8	6
125	MP2A	Z	-.462	6
126	MP2A	Mx	.0004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.438	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.000708	.5
4	MP3A	X	1.438	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.000708	5.5
7	MP3B	X	2.879	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.000925	.5
10	MP3B	X	2.879	5.5
11	MP3B	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.000925	5.5
13	MP3C	X	3.645	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.000623	.5
16	MP3C	X	3.645	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.000623	5.5
19	MP2A	X	6.121	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.004	.5
22	MP2A	X	6.121	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.004	5.5
25	MP2B	X	7.874	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.000485	.5
28	MP2B	X	7.874	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.000485	5.5
31	MP2C	X	8.807	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.006	.5
34	MP2C	X	8.807	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.006	5.5
37	MP2A	X	6.121	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.002	.5
40	MP2A	X	6.121	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	-.002	5.5
43	MP2B	X	7.874	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.006	.5
46	MP2B	X	7.874	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.006	5.5
49	MP2C	X	8.807	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.003	.5
52	MP2C	X	8.807	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	-.003	5.5
55	MP1B	X	5.877	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	.002	.5
58	MP1B	X	5.877	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	.002	5.5
61	MP1C	X	6.104	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	.001	.5
64	MP1C	X	6.104	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	.001	5.5
67	MP4B	X	5.877	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	.002	.5
70	MP4B	X	5.877	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP4B	Z	0	5.5
72	MP4B	Mx	.002	5.5
73	MP4C	X	6.104	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	.001	.5
76	MP4C	X	6.104	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	.001	5.5
79	MP1A	X	5.353	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	-.003	.5
82	MP1A	X	5.353	5.5
83	MP1A	Z	0	5.5
84	MP1A	Mx	-.003	5.5
85	MP4A	X	5.353	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	-.003	.5
88	MP4A	X	5.353	5.5
89	MP4A	Z	0	5.5
90	MP4A	Mx	-.003	5.5
91	MP2A	X	.523	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	.000258	4.5
94	MP2B	X	.65	4.5
95	MP2B	Z	0	4.5
96	MP2B	Mx	-.000209	4.5
97	MP2C	X	.718	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	-.000123	4.5
100	MP3A	X	2.126	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	.001	4.5
103	MP3B	X	2.698	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	-.000867	4.5
106	MP3C	X	3.002	4.5
107	MP3C	Z	0	4.5
108	MP3C	Mx	-.000513	4.5
109	MP2A	X	1.755	1
110	MP2A	Z	0	1
111	MP2A	Mx	.000864	1
112	MP2B	X	2.54	1
113	MP2B	Z	0	1
114	MP2B	Mx	-.000816	1
115	MP2C	X	2.957	1
116	MP2C	Z	0	1
117	MP2C	Mx	-.000506	1
118	M101	X	1.259	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	1.259	1
122	M157	Z	0	1
123	M157	Mx	0	1
124	MP2A	X	.587	6
125	MP2A	Z	0	6
126	MP2A	Mx	.000294	6

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.44	.5
2	MP3A	Z	.831	.5
3	MP3A	Mx	-.000781	.5
4	MP3A	X	1.44	5.5
5	MP3A	Z	.831	5.5
6	MP3A	Mx	-.000781	5.5
7	MP3B	X	3.351	.5
8	MP3B	Z	1.935	.5
9	MP3B	Mx	.000336	.5
10	MP3B	X	3.351	5.5
11	MP3B	Z	1.935	5.5
12	MP3B	Mx	.000336	5.5
13	MP3C	X	2.104	.5
14	MP3C	Z	1.215	.5
15	MP3C	Mx	.000931	.5
16	MP3C	X	2.104	5.5
17	MP3C	Z	1.215	5.5
18	MP3C	Mx	.000931	5.5
19	MP2A	X	5.538	.5
20	MP2A	Z	3.197	.5
21	MP2A	Mx	-.002	.5
22	MP2A	X	5.538	5.5
23	MP2A	Z	3.197	5.5
24	MP2A	Mx	-.002	5.5
25	MP2B	X	7.864	.5
26	MP2B	Z	4.54	.5
27	MP2B	Mx	-.004	.5
28	MP2B	X	7.864	5.5
29	MP2B	Z	4.54	5.5
30	MP2B	Mx	-.004	5.5
31	MP2C	X	6.345	.5
32	MP2C	Z	3.664	.5
33	MP2C	Mx	.005	.5
34	MP2C	X	6.345	5.5
35	MP2C	Z	3.664	5.5
36	MP2C	Mx	.005	5.5
37	MP2A	X	5.538	.5
38	MP2A	Z	3.197	.5
39	MP2A	Mx	-.004	.5
40	MP2A	X	5.538	5.5
41	MP2A	Z	3.197	5.5
42	MP2A	Mx	-.004	5.5
43	MP2B	X	7.864	.5
44	MP2B	Z	4.54	.5
45	MP2B	Mx	.005	.5
46	MP2B	X	7.864	5.5
47	MP2B	Z	4.54	5.5
48	MP2B	Mx	.005	5.5
49	MP2C	X	6.345	.5
50	MP2C	Z	3.664	.5
51	MP2C	Mx	.000452	.5
52	MP2C	X	6.345	5.5
53	MP2C	Z	3.664	5.5
54	MP2C	Mx	.000452	5.5
55	MP1B	X	5.344	.5
56	MP1B	Z	3.085	.5
57	MP1B	Mx	.000536	.5
58	MP1B	X	5.344	5.5
59	MP1B	Z	3.085	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1B	Mx	.000536	5.5
61	MP1C	X	4.974	.5
62	MP1C	Z	2.872	.5
63	MP1C	Mx	.002	.5
64	MP1C	X	4.974	5.5
65	MP1C	Z	2.872	5.5
66	MP1C	Mx	.002	5.5
67	MP4B	X	5.344	.5
68	MP4B	Z	3.085	.5
69	MP4B	Mx	.000536	.5
70	MP4B	X	5.344	5.5
71	MP4B	Z	3.085	5.5
72	MP4B	Mx	.000536	5.5
73	MP4C	X	4.974	.5
74	MP4C	Z	2.872	.5
75	MP4C	Mx	.002	.5
76	MP4C	X	4.974	5.5
77	MP4C	Z	2.872	5.5
78	MP4C	Mx	.002	5.5
79	MP1A	X	4.424	.5
80	MP1A	Z	2.554	.5
81	MP1A	Mx	-.002	.5
82	MP1A	X	4.424	5.5
83	MP1A	Z	2.554	5.5
84	MP1A	Mx	-.002	5.5
85	MP4A	X	4.424	.5
86	MP4A	Z	2.554	.5
87	MP4A	Mx	-.002	.5
88	MP4A	X	4.424	5.5
89	MP4A	Z	2.554	5.5
90	MP4A	Mx	-.002	5.5
91	MP2A	X	.47	4.5
92	MP2A	Z	.271	4.5
93	MP2A	Mx	.000255	4.5
94	MP2B	X	.639	4.5
95	MP2B	Z	.369	4.5
96	MP2B	Mx	-6.4e-5	4.5
97	MP2C	X	.529	4.5
98	MP2C	Z	.305	4.5
99	MP2C	Mx	-.000234	4.5
100	MP3A	X	1.918	4.5
101	MP3A	Z	1.108	4.5
102	MP3A	Mx	.001	4.5
103	MP3B	X	2.677	4.5
104	MP3B	Z	1.546	4.5
105	MP3B	Mx	-.000268	4.5
106	MP3C	X	2.182	4.5
107	MP3C	Z	1.26	4.5
108	MP3C	Mx	-.000965	4.5
109	MP2A	X	1.626	1
110	MP2A	Z	.939	1
111	MP2A	Mx	.000882	1
112	MP2B	X	2.667	1
113	MP2B	Z	1.54	1
114	MP2B	Mx	-.000267	1
115	MP2C	X	1.987	1
116	MP2C	Z	1.147	1
117	MP2C	Mx	-.000879	1
118	M101	X	3.271	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	M101	Z	1.888	1
120	M101	Mx	0	1
121	M157	X	3.271	1
122	M157	Z	1.888	1
123	M157	Mx	0	1
124	MP2A	X	.8	6
125	MP2A	Z	.462	6
126	MP2A	Mx	.0004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.439	.5
2	MP3A	Z	2.493	.5
3	MP3A	Mx	-.000925	.5
4	MP3A	X	1.439	5.5
5	MP3A	Z	2.493	5.5
6	MP3A	Mx	-.000925	5.5
7	MP3B	X	1.823	.5
8	MP3B	Z	3.157	.5
9	MP3B	Mx	-.000623	.5
10	MP3B	X	1.823	5.5
11	MP3B	Z	3.157	5.5
12	MP3B	Mx	-.000623	5.5
13	MP3C	X	.719	.5
14	MP3C	Z	1.245	.5
15	MP3C	Mx	.000708	.5
16	MP3C	X	.719	5.5
17	MP3C	Z	1.245	5.5
18	MP3C	Mx	.000708	5.5
19	MP2A	X	3.937	.5
20	MP2A	Z	6.819	.5
21	MP2A	Mx	.000485	.5
22	MP2A	X	3.937	5.5
23	MP2A	Z	6.819	5.5
24	MP2A	Mx	.000485	5.5
25	MP2B	X	4.403	.5
26	MP2B	Z	7.627	.5
27	MP2B	Mx	-.006	.5
28	MP2B	X	4.403	5.5
29	MP2B	Z	7.627	5.5
30	MP2B	Mx	-.006	5.5
31	MP2C	X	3.061	.5
32	MP2C	Z	5.301	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	3.061	5.5
35	MP2C	Z	5.301	5.5
36	MP2C	Mx	.004	5.5
37	MP2A	X	3.937	.5
38	MP2A	Z	6.819	.5
39	MP2A	Mx	-.006	.5
40	MP2A	X	3.937	5.5
41	MP2A	Z	6.819	5.5
42	MP2A	Mx	-.006	5.5
43	MP2B	X	4.403	.5
44	MP2B	Z	7.627	.5
45	MP2B	Mx	.003	.5
46	MP2B	X	4.403	5.5
47	MP2B	Z	7.627	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	.003	5.5
49	MP2C	X	3.061	.5
50	MP2C	Z	5.301	.5
51	MP2C	Mx	.002	.5
52	MP2C	X	3.061	5.5
53	MP2C	Z	5.301	5.5
54	MP2C	Mx	.002	5.5
55	MP1B	X	3.052	.5
56	MP1B	Z	5.286	.5
57	MP1B	Mx	-.001	.5
58	MP1B	X	3.052	5.5
59	MP1B	Z	5.286	5.5
60	MP1B	Mx	-.001	5.5
61	MP1C	X	2.725	.5
62	MP1C	Z	4.72	.5
63	MP1C	Mx	.003	.5
64	MP1C	X	2.725	5.5
65	MP1C	Z	4.72	5.5
66	MP1C	Mx	.003	5.5
67	MP4B	X	3.052	.5
68	MP4B	Z	5.286	.5
69	MP4B	Mx	-.001	.5
70	MP4B	X	3.052	5.5
71	MP4B	Z	5.286	5.5
72	MP4B	Mx	-.001	5.5
73	MP4C	X	2.725	.5
74	MP4C	Z	4.72	.5
75	MP4C	Mx	.003	.5
76	MP4C	X	2.725	5.5
77	MP4C	Z	4.72	5.5
78	MP4C	Mx	.003	5.5
79	MP1A	X	1.895	.5
80	MP1A	Z	3.282	.5
81	MP1A	Mx	-.001	.5
82	MP1A	X	1.895	5.5
83	MP1A	Z	3.282	5.5
84	MP1A	Mx	-.001	5.5
85	MP4A	X	1.895	.5
86	MP4A	Z	3.282	.5
87	MP4A	Mx	-.001	.5
88	MP4A	X	1.895	5.5
89	MP4A	Z	3.282	5.5
90	MP4A	Mx	-.001	5.5
91	MP2A	X	.325	4.5
92	MP2A	Z	.563	4.5
93	MP2A	Mx	.000209	4.5
94	MP2B	X	.359	4.5
95	MP2B	Z	.622	4.5
96	MP2B	Mx	.000123	4.5
97	MP2C	X	.261	4.5
98	MP2C	Z	.453	4.5
99	MP2C	Mx	-.000257	4.5
100	MP3A	X	1.349	4.5
101	MP3A	Z	2.336	4.5
102	MP3A	Mx	.000867	4.5
103	MP3B	X	1.501	4.5
104	MP3B	Z	2.6	4.5
105	MP3B	Mx	.000513	4.5
106	MP3C	X	1.063	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	1.841	4.5
108	MP3C	Mx	-.001	4.5
109	MP2A	X	1.27	1
110	MP2A	Z	2.199	1
111	MP2A	Mx	.000816	1
112	MP2B	X	1.479	1
113	MP2B	Z	2.561	1
114	MP2B	Mx	.000506	1
115	MP2C	X	.877	1
116	MP2C	Z	1.52	1
117	MP2C	Mx	-.000864	1
118	M101	X	2.518	1
119	M101	Z	4.361	1
120	M101	Mx	0	1
121	M157	X	2.518	1
122	M157	Z	4.361	1
123	M157	Mx	0	1
124	MP2A	X	.798	6
125	MP2A	Z	1.383	6
126	MP2A	Mx	.000399	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	3.87	.5
3	MP3A	Mx	-.000336	.5
4	MP3A	X	0	5.5
5	MP3A	Z	3.87	5.5
6	MP3A	Mx	-.000336	5.5
7	MP3B	X	0	.5
8	MP3B	Z	2.429	.5
9	MP3B	Mx	-.00093	.5
10	MP3B	X	0	5.5
11	MP3B	Z	2.429	5.5
12	MP3B	Mx	-.00093	5.5
13	MP3C	X	0	.5
14	MP3C	Z	1.662	.5
15	MP3C	Mx	.000781	.5
16	MP3C	X	0	5.5
17	MP3C	Z	1.662	5.5
18	MP3C	Mx	.000781	5.5
19	MP2A	X	0	.5
20	MP2A	Z	9.08	.5
21	MP2A	Mx	.004	.5
22	MP2A	X	0	5.5
23	MP2A	Z	9.08	5.5
24	MP2A	Mx	.004	5.5
25	MP2B	X	0	.5
26	MP2B	Z	7.327	.5
27	MP2B	Mx	-.005	.5
28	MP2B	X	0	5.5
29	MP2B	Z	7.327	5.5
30	MP2B	Mx	-.005	5.5
31	MP2C	X	0	.5
32	MP2C	Z	6.394	.5
33	MP2C	Mx	.002	.5
34	MP2C	X	0	5.5
35	MP2C	Z	6.394	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.002	5.5
37	MP2A	X	0	.5
38	MP2A	Z	9.08	.5
39	MP2A	Mx	-.005	.5
40	MP2A	X	0	5.5
41	MP2A	Z	9.08	5.5
42	MP2A	Mx	-.005	5.5
43	MP2B	X	0	.5
44	MP2B	Z	7.327	.5
45	MP2B	Mx	-.000452	.5
46	MP2B	X	0	5.5
47	MP2B	Z	7.327	5.5
48	MP2B	Mx	-.000452	5.5
49	MP2C	X	0	.5
50	MP2C	Z	6.394	.5
51	MP2C	Mx	.004	.5
52	MP2C	X	0	5.5
53	MP2C	Z	6.394	5.5
54	MP2C	Mx	.004	5.5
55	MP1B	X	0	.5
56	MP1B	Z	5.744	.5
57	MP1B	Mx	-.002	.5
58	MP1B	X	0	5.5
59	MP1B	Z	5.744	5.5
60	MP1B	Mx	-.002	5.5
61	MP1C	X	0	.5
62	MP1C	Z	5.517	.5
63	MP1C	Mx	.003	.5
64	MP1C	X	0	5.5
65	MP1C	Z	5.517	5.5
66	MP1C	Mx	.003	5.5
67	MP4B	X	0	.5
68	MP4B	Z	5.744	.5
69	MP4B	Mx	-.002	.5
70	MP4B	X	0	5.5
71	MP4B	Z	5.744	5.5
72	MP4B	Mx	-.002	5.5
73	MP4C	X	0	.5
74	MP4C	Z	5.517	.5
75	MP4C	Mx	.003	.5
76	MP4C	X	0	5.5
77	MP4C	Z	5.517	5.5
78	MP4C	Mx	.003	5.5
79	MP1A	X	0	.5
80	MP1A	Z	2.713	.5
81	MP1A	Mx	-.000236	.5
82	MP1A	X	0	5.5
83	MP1A	Z	2.713	5.5
84	MP1A	Mx	-.000236	5.5
85	MP4A	X	0	.5
86	MP4A	Z	2.713	.5
87	MP4A	Mx	-.000236	.5
88	MP4A	X	0	5.5
89	MP4A	Z	2.713	5.5
90	MP4A	Mx	-.000236	5.5
91	MP2A	X	0	4.5
92	MP2A	Z	.738	4.5
93	MP2A	Mx	6.4e-5	4.5
94	MP2B	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	.611	4.5
96	MP2B	Mx	.000234	4.5
97	MP2C	X	0	4.5
98	MP2C	Z	.543	4.5
99	MP2C	Mx	-.000255	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	3.091	4.5
102	MP3A	Mx	.000268	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	2.519	4.5
105	MP3B	Mx	.000965	4.5
106	MP3C	X	0	4.5
107	MP3C	Z	2.215	4.5
108	MP3C	Mx	-.001	4.5
109	MP2A	X	0	1
110	MP2A	Z	3.08	1
111	MP2A	Mx	.000267	1
112	MP2B	X	0	1
113	MP2B	Z	2.295	1
114	MP2B	Mx	.000879	1
115	MP2C	X	0	1
116	MP2C	Z	1.877	1
117	MP2C	Mx	-.000882	1
118	M101	X	0	1
119	M101	Z	3.777	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	3.777	1
123	M157	Mx	0	1
124	MP2A	X	0	6
125	MP2A	Z	1.934	6
126	MP2A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.823	.5
2	MP3A	Z	3.157	.5
3	MP3A	Mx	.000624	.5
4	MP3A	X	-1.823	5.5
5	MP3A	Z	3.157	5.5
6	MP3A	Mx	.000624	5.5
7	MP3B	X	-.719	.5
8	MP3B	Z	1.245	.5
9	MP3B	Mx	-.000708	.5
10	MP3B	X	-.719	5.5
11	MP3B	Z	1.245	5.5
12	MP3B	Mx	-.000708	5.5
13	MP3C	X	-1.439	.5
14	MP3C	Z	2.493	.5
15	MP3C	Mx	.000925	.5
16	MP3C	X	-1.439	5.5
17	MP3C	Z	2.493	5.5
18	MP3C	Mx	.000925	5.5
19	MP2A	X	-4.403	.5
20	MP2A	Z	7.627	.5
21	MP2A	Mx	.006	.5
22	MP2A	X	-4.403	5.5
23	MP2A	Z	7.627	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.006	5.5
25	MP2B	X	-3.061	.5
26	MP2B	Z	5.301	.5
27	MP2B	Mx	-.004	.5
28	MP2B	X	-3.061	5.5
29	MP2B	Z	5.301	5.5
30	MP2B	Mx	-.004	5.5
31	MP2C	X	-3.937	.5
32	MP2C	Z	6.819	.5
33	MP2C	Mx	-.000485	.5
34	MP2C	X	-3.937	5.5
35	MP2C	Z	6.819	5.5
36	MP2C	Mx	-.000485	5.5
37	MP2A	X	-4.403	.5
38	MP2A	Z	7.627	.5
39	MP2A	Mx	-.003	.5
40	MP2A	X	-4.403	5.5
41	MP2A	Z	7.627	5.5
42	MP2A	Mx	-.003	5.5
43	MP2B	X	-3.061	.5
44	MP2B	Z	5.301	.5
45	MP2B	Mx	-.002	.5
46	MP2B	X	-3.061	5.5
47	MP2B	Z	5.301	5.5
48	MP2B	Mx	-.002	5.5
49	MP2C	X	-3.937	.5
50	MP2C	Z	6.819	.5
51	MP2C	Mx	.006	.5
52	MP2C	X	-3.937	5.5
53	MP2C	Z	6.819	5.5
54	MP2C	Mx	.006	5.5
55	MP1B	X	-2.725	.5
56	MP1B	Z	4.72	.5
57	MP1B	Mx	-.003	.5
58	MP1B	X	-2.725	5.5
59	MP1B	Z	4.72	5.5
60	MP1B	Mx	-.003	5.5
61	MP1C	X	-2.939	.5
62	MP1C	Z	5.09	.5
63	MP1C	Mx	.002	.5
64	MP1C	X	-2.939	5.5
65	MP1C	Z	5.09	5.5
66	MP1C	Mx	.002	5.5
67	MP4B	X	-2.725	.5
68	MP4B	Z	4.72	.5
69	MP4B	Mx	-.003	.5
70	MP4B	X	-2.725	5.5
71	MP4B	Z	4.72	5.5
72	MP4B	Mx	-.003	5.5
73	MP4C	X	-2.939	.5
74	MP4C	Z	5.09	.5
75	MP4C	Mx	.002	.5
76	MP4C	X	-2.939	5.5
77	MP4C	Z	5.09	5.5
78	MP4C	Mx	.002	5.5
79	MP1A	X	-1.479	.5
80	MP1A	Z	2.561	.5
81	MP1A	Mx	.000506	.5
82	MP1A	X	-1.479	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1A	Z	2.561	5.5
84	MP1A	Mx	.000506	5.5
85	MP4A	X	-1.479	.5
86	MP4A	Z	2.561	.5
87	MP4A	Mx	.000506	.5
88	MP4A	X	-1.479	5.5
89	MP4A	Z	2.561	5.5
90	MP4A	Mx	.000506	5.5
91	MP2A	X	-.359	4.5
92	MP2A	Z	.622	4.5
93	MP2A	Mx	-.000123	4.5
94	MP2B	X	-.261	4.5
95	MP2B	Z	.453	4.5
96	MP2B	Mx	.000257	4.5
97	MP2C	X	-.325	4.5
98	MP2C	Z	.563	4.5
99	MP2C	Mx	-.000209	4.5
100	MP3A	X	-1.501	4.5
101	MP3A	Z	2.6	4.5
102	MP3A	Mx	-.000513	4.5
103	MP3B	X	-1.063	4.5
104	MP3B	Z	1.841	4.5
105	MP3B	Mx	.001	4.5
106	MP3C	X	-1.349	4.5
107	MP3C	Z	2.336	4.5
108	MP3C	Mx	-.000867	4.5
109	MP2A	X	-1.479	1
110	MP2A	Z	2.561	1
111	MP2A	Mx	-.000506	1
112	MP2B	X	-.877	1
113	MP2B	Z	1.52	1
114	MP2B	Mx	.000864	1
115	MP2C	X	-1.27	1
116	MP2C	Z	2.199	1
117	MP2C	Mx	-.000816	1
118	M101	X	-.629	1
119	M101	Z	1.09	1
120	M101	Mx	0	1
121	M157	X	-.629	1
122	M157	Z	1.09	1
123	M157	Mx	0	1
124	MP2A	X	-.798	6
125	MP2A	Z	1.383	6
126	MP2A	Mx	-.000399	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.104	.5
2	MP3A	Z	1.215	.5
3	MP3A	Mx	.000931	.5
4	MP3A	X	-2.104	5.5
5	MP3A	Z	1.215	5.5
6	MP3A	Mx	.000931	5.5
7	MP3B	X	-1.44	.5
8	MP3B	Z	.831	.5
9	MP3B	Mx	-.000781	.5
10	MP3B	X	-1.44	5.5
11	MP3B	Z	.831	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	-.000781	5.5
13	MP3C	X	-3.351	.5
14	MP3C	Z	1.935	.5
15	MP3C	Mx	.000336	.5
16	MP3C	X	-3.351	5.5
17	MP3C	Z	1.935	5.5
18	MP3C	Mx	.000336	5.5
19	MP2A	X	-6.345	.5
20	MP2A	Z	3.664	.5
21	MP2A	Mx	.005	.5
22	MP2A	X	-6.345	5.5
23	MP2A	Z	3.664	5.5
24	MP2A	Mx	.005	5.5
25	MP2B	X	-5.538	.5
26	MP2B	Z	3.197	.5
27	MP2B	Mx	-.002	.5
28	MP2B	X	-5.538	5.5
29	MP2B	Z	3.197	5.5
30	MP2B	Mx	-.002	5.5
31	MP2C	X	-7.864	.5
32	MP2C	Z	4.54	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	-7.864	5.5
35	MP2C	Z	4.54	5.5
36	MP2C	Mx	-.004	5.5
37	MP2A	X	-6.345	.5
38	MP2A	Z	3.664	.5
39	MP2A	Mx	.000451	.5
40	MP2A	X	-6.345	5.5
41	MP2A	Z	3.664	5.5
42	MP2A	Mx	.000451	5.5
43	MP2B	X	-5.538	.5
44	MP2B	Z	3.197	.5
45	MP2B	Mx	-.004	.5
46	MP2B	X	-5.538	5.5
47	MP2B	Z	3.197	5.5
48	MP2B	Mx	-.004	5.5
49	MP2C	X	-7.864	.5
50	MP2C	Z	4.54	.5
51	MP2C	Mx	.005	.5
52	MP2C	X	-7.864	5.5
53	MP2C	Z	4.54	5.5
54	MP2C	Mx	.005	5.5
55	MP1B	X	-4.778	.5
56	MP1B	Z	2.758	.5
57	MP1B	Mx	-.003	.5
58	MP1B	X	-4.778	5.5
59	MP1B	Z	2.758	5.5
60	MP1B	Mx	-.003	5.5
61	MP1C	X	-5.344	.5
62	MP1C	Z	3.085	.5
63	MP1C	Mx	.000536	.5
64	MP1C	X	-5.344	5.5
65	MP1C	Z	3.085	5.5
66	MP1C	Mx	.000536	5.5
67	MP4B	X	-4.778	.5
68	MP4B	Z	2.758	.5
69	MP4B	Mx	-.003	.5
70	MP4B	X	-4.778	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP4B	Z	2.758	5.5
72	MP4B	Mx	-.003	5.5
73	MP4C	X	-5.344	.5
74	MP4C	Z	3.085	.5
75	MP4C	Mx	.000536	.5
76	MP4C	X	-5.344	5.5
77	MP4C	Z	3.085	5.5
78	MP4C	Mx	.000536	5.5
79	MP1A	X	-3.704	.5
80	MP1A	Z	2.138	.5
81	MP1A	Mx	.002	.5
82	MP1A	X	-3.704	5.5
83	MP1A	Z	2.138	5.5
84	MP1A	Mx	.002	5.5
85	MP4A	X	-3.704	.5
86	MP4A	Z	2.138	.5
87	MP4A	Mx	.002	.5
88	MP4A	X	-3.704	5.5
89	MP4A	Z	2.138	5.5
90	MP4A	Mx	.002	5.5
91	MP2A	X	-.529	4.5
92	MP2A	Z	.305	4.5
93	MP2A	Mx	-.000234	4.5
94	MP2B	X	-.47	4.5
95	MP2B	Z	.271	4.5
96	MP2B	Mx	.000255	4.5
97	MP2C	X	-.639	4.5
98	MP2C	Z	.369	4.5
99	MP2C	Mx	-6.4e-5	4.5
100	MP3A	X	-2.182	4.5
101	MP3A	Z	1.26	4.5
102	MP3A	Mx	-.000965	4.5
103	MP3B	X	-1.918	4.5
104	MP3B	Z	1.108	4.5
105	MP3B	Mx	.001	4.5
106	MP3C	X	-2.677	4.5
107	MP3C	Z	1.546	4.5
108	MP3C	Mx	-.000269	4.5
109	MP2A	X	-1.987	1
110	MP2A	Z	1.147	1
111	MP2A	Mx	-.000879	1
112	MP2B	X	-1.626	1
113	MP2B	Z	.939	1
114	MP2B	Mx	.000882	1
115	MP2C	X	-2.667	1
116	MP2C	Z	1.54	1
117	MP2C	Mx	-.000267	1
118	M101	X	0	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	0	1
123	M157	Mx	0	1
124	MP2A	X	-.8	6
125	MP2A	Z	.462	6
126	MP2A	Mx	-.0004	6

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.438	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.000708	.5
4	MP3A	X	-1.438	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.000708	5.5
7	MP3B	X	-2.879	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.000925	.5
10	MP3B	X	-2.879	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.000925	5.5
13	MP3C	X	-3.645	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.000623	.5
16	MP3C	X	-3.645	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.000623	5.5
19	MP2A	X	-6.121	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.004	.5
22	MP2A	X	-6.121	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.004	5.5
25	MP2B	X	-7.874	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.000485	.5
28	MP2B	X	-7.874	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.000485	5.5
31	MP2C	X	-8.807	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.006	.5
34	MP2C	X	-8.807	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.006	5.5
37	MP2A	X	-6.121	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.002	.5
40	MP2A	X	-6.121	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	.002	5.5
43	MP2B	X	-7.874	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.006	.5
46	MP2B	X	-7.874	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	-.006	5.5
49	MP2C	X	-8.807	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.003	.5
52	MP2C	X	-8.807	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	.003	5.5
55	MP1B	X	-5.877	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	-.002	.5
58	MP1B	X	-5.877	5.5
59	MP1B	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1B	Mx	-.002	5.5
61	MP1C	X	-6.104	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	-.001	.5
64	MP1C	X	-6.104	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	-.001	5.5
67	MP4B	X	-5.877	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	-.002	.5
70	MP4B	X	-5.877	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	-.002	5.5
73	MP4C	X	-6.104	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	-.001	.5
76	MP4C	X	-6.104	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	-.001	5.5
79	MP1A	X	-5.353	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	.003	.5
82	MP1A	X	-5.353	5.5
83	MP1A	Z	0	5.5
84	MP1A	Mx	.003	5.5
85	MP4A	X	-5.353	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	.003	.5
88	MP4A	X	-5.353	5.5
89	MP4A	Z	0	5.5
90	MP4A	Mx	.003	5.5
91	MP2A	X	-.523	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	-.000258	4.5
94	MP2B	X	-.65	4.5
95	MP2B	Z	0	4.5
96	MP2B	Mx	.000209	4.5
97	MP2C	X	-.718	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	.000123	4.5
100	MP3A	X	-2.126	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	-.001	4.5
103	MP3B	X	-2.698	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	.000867	4.5
106	MP3C	X	-3.002	4.5
107	MP3C	Z	0	4.5
108	MP3C	Mx	.000513	4.5
109	MP2A	X	-1.755	1
110	MP2A	Z	0	1
111	MP2A	Mx	-.000864	1
112	MP2B	X	-2.54	1
113	MP2B	Z	0	1
114	MP2B	Mx	.000816	1
115	MP2C	X	-2.957	1
116	MP2C	Z	0	1
117	MP2C	Mx	.000506	1
118	M101	X	-1.259	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	-1.259	1
122	M157	Z	0	1
123	M157	Mx	0	1
124	MP2A	X	-.587	6
125	MP2A	Z	0	6
126	MP2A	Mx	-.000294	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.44	.5
2	MP3A	Z	-.831	.5
3	MP3A	Mx	.000781	.5
4	MP3A	X	-1.44	5.5
5	MP3A	Z	-.831	5.5
6	MP3A	Mx	.000781	5.5
7	MP3B	X	-3.351	.5
8	MP3B	Z	-1.935	.5
9	MP3B	Mx	-.000336	.5
10	MP3B	X	-3.351	5.5
11	MP3B	Z	-1.935	5.5
12	MP3B	Mx	-.000336	5.5
13	MP3C	X	-2.104	.5
14	MP3C	Z	-1.215	.5
15	MP3C	Mx	-.000931	.5
16	MP3C	X	-2.104	5.5
17	MP3C	Z	-1.215	5.5
18	MP3C	Mx	-.000931	5.5
19	MP2A	X	-5.538	.5
20	MP2A	Z	-3.197	.5
21	MP2A	Mx	.002	.5
22	MP2A	X	-5.538	5.5
23	MP2A	Z	-3.197	5.5
24	MP2A	Mx	.002	5.5
25	MP2B	X	-7.864	.5
26	MP2B	Z	-4.54	.5
27	MP2B	Mx	.004	.5
28	MP2B	X	-7.864	5.5
29	MP2B	Z	-4.54	5.5
30	MP2B	Mx	.004	5.5
31	MP2C	X	-6.345	.5
32	MP2C	Z	-3.664	.5
33	MP2C	Mx	-.005	.5
34	MP2C	X	-6.345	5.5
35	MP2C	Z	-3.664	5.5
36	MP2C	Mx	-.005	5.5
37	MP2A	X	-5.538	.5
38	MP2A	Z	-3.197	.5
39	MP2A	Mx	.004	.5
40	MP2A	X	-5.538	5.5
41	MP2A	Z	-3.197	5.5
42	MP2A	Mx	.004	5.5
43	MP2B	X	-7.864	.5
44	MP2B	Z	-4.54	.5
45	MP2B	Mx	-.005	.5
46	MP2B	X	-7.864	5.5
47	MP2B	Z	-4.54	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	-.005	5.5
49	MP2C	X	-6.345	.5
50	MP2C	Z	-3.664	.5
51	MP2C	Mx	-.000452	.5
52	MP2C	X	-6.345	5.5
53	MP2C	Z	-3.664	5.5
54	MP2C	Mx	-.000452	5.5
55	MP1B	X	-5.344	.5
56	MP1B	Z	-3.085	.5
57	MP1B	Mx	-.000536	.5
58	MP1B	X	-5.344	5.5
59	MP1B	Z	-3.085	5.5
60	MP1B	Mx	-.000536	5.5
61	MP1C	X	-4.974	.5
62	MP1C	Z	-2.872	.5
63	MP1C	Mx	-.002	.5
64	MP1C	X	-4.974	5.5
65	MP1C	Z	-2.872	5.5
66	MP1C	Mx	-.002	5.5
67	MP4B	X	-5.344	.5
68	MP4B	Z	-3.085	.5
69	MP4B	Mx	-.000536	.5
70	MP4B	X	-5.344	5.5
71	MP4B	Z	-3.085	5.5
72	MP4B	Mx	-.000536	5.5
73	MP4C	X	-4.974	.5
74	MP4C	Z	-2.872	.5
75	MP4C	Mx	-.002	.5
76	MP4C	X	-4.974	5.5
77	MP4C	Z	-2.872	5.5
78	MP4C	Mx	-.002	5.5
79	MP1A	X	-4.424	.5
80	MP1A	Z	-2.554	.5
81	MP1A	Mx	.002	.5
82	MP1A	X	-4.424	5.5
83	MP1A	Z	-2.554	5.5
84	MP1A	Mx	.002	5.5
85	MP4A	X	-4.424	.5
86	MP4A	Z	-2.554	.5
87	MP4A	Mx	.002	.5
88	MP4A	X	-4.424	5.5
89	MP4A	Z	-2.554	5.5
90	MP4A	Mx	.002	5.5
91	MP2A	X	-.47	4.5
92	MP2A	Z	-.271	4.5
93	MP2A	Mx	-.000255	4.5
94	MP2B	X	-.639	4.5
95	MP2B	Z	-.369	4.5
96	MP2B	Mx	6.4e-5	4.5
97	MP2C	X	-.529	4.5
98	MP2C	Z	-.305	4.5
99	MP2C	Mx	.000234	4.5
100	MP3A	X	-1.918	4.5
101	MP3A	Z	-1.108	4.5
102	MP3A	Mx	-.001	4.5
103	MP3B	X	-2.677	4.5
104	MP3B	Z	-1.546	4.5
105	MP3B	Mx	.000268	4.5
106	MP3C	X	-2.182	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	-1.26	4.5
108	MP3C	Mx	.000965	4.5
109	MP2A	X	-1.626	1
110	MP2A	Z	-.939	1
111	MP2A	Mx	-.000882	1
112	MP2B	X	-2.667	1
113	MP2B	Z	-1.54	1
114	MP2B	Mx	.000267	1
115	MP2C	X	-1.987	1
116	MP2C	Z	-1.147	1
117	MP2C	Mx	.000879	1
118	M101	X	-3.271	1
119	M101	Z	-1.888	1
120	M101	Mx	0	1
121	M157	X	-3.271	1
122	M157	Z	-1.888	1
123	M157	Mx	0	1
124	MP2A	X	-.8	6
125	MP2A	Z	-.462	6
126	MP2A	Mx	-.0004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.439	.5
2	MP3A	Z	-2.493	.5
3	MP3A	Mx	.000925	.5
4	MP3A	X	-1.439	5.5
5	MP3A	Z	-2.493	5.5
6	MP3A	Mx	.000925	5.5
7	MP3B	X	-1.823	.5
8	MP3B	Z	-3.157	.5
9	MP3B	Mx	.000623	.5
10	MP3B	X	-1.823	5.5
11	MP3B	Z	-3.157	5.5
12	MP3B	Mx	.000623	5.5
13	MP3C	X	-.719	.5
14	MP3C	Z	-1.245	.5
15	MP3C	Mx	-.000708	.5
16	MP3C	X	-.719	5.5
17	MP3C	Z	-1.245	5.5
18	MP3C	Mx	-.000708	5.5
19	MP2A	X	-3.937	.5
20	MP2A	Z	-6.819	.5
21	MP2A	Mx	-.000485	.5
22	MP2A	X	-3.937	5.5
23	MP2A	Z	-6.819	5.5
24	MP2A	Mx	-.000485	5.5
25	MP2B	X	-4.403	.5
26	MP2B	Z	-7.627	.5
27	MP2B	Mx	.006	.5
28	MP2B	X	-4.403	5.5
29	MP2B	Z	-7.627	5.5
30	MP2B	Mx	.006	5.5
31	MP2C	X	-3.061	.5
32	MP2C	Z	-5.301	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	-3.061	5.5
35	MP2C	Z	-5.301	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.004	5.5
37	MP2A	X	-3.937	.5
38	MP2A	Z	-6.819	.5
39	MP2A	Mx	.006	.5
40	MP2A	X	-3.937	5.5
41	MP2A	Z	-6.819	5.5
42	MP2A	Mx	.006	5.5
43	MP2B	X	-4.403	.5
44	MP2B	Z	-7.627	.5
45	MP2B	Mx	-.003	.5
46	MP2B	X	-4.403	5.5
47	MP2B	Z	-7.627	5.5
48	MP2B	Mx	-.003	5.5
49	MP2C	X	-3.061	.5
50	MP2C	Z	-5.301	.5
51	MP2C	Mx	-.002	.5
52	MP2C	X	-3.061	5.5
53	MP2C	Z	-5.301	5.5
54	MP2C	Mx	-.002	5.5
55	MP1B	X	-3.052	.5
56	MP1B	Z	-5.286	.5
57	MP1B	Mx	.001	.5
58	MP1B	X	-3.052	5.5
59	MP1B	Z	-5.286	5.5
60	MP1B	Mx	.001	5.5
61	MP1C	X	-2.725	.5
62	MP1C	Z	-4.72	.5
63	MP1C	Mx	-.003	.5
64	MP1C	X	-2.725	5.5
65	MP1C	Z	-4.72	5.5
66	MP1C	Mx	-.003	5.5
67	MP4B	X	-3.052	.5
68	MP4B	Z	-5.286	.5
69	MP4B	Mx	.001	.5
70	MP4B	X	-3.052	5.5
71	MP4B	Z	-5.286	5.5
72	MP4B	Mx	.001	5.5
73	MP4C	X	-2.725	.5
74	MP4C	Z	-4.72	.5
75	MP4C	Mx	-.003	.5
76	MP4C	X	-2.725	5.5
77	MP4C	Z	-4.72	5.5
78	MP4C	Mx	-.003	5.5
79	MP1A	X	-1.895	.5
80	MP1A	Z	-3.282	.5
81	MP1A	Mx	.001	.5
82	MP1A	X	-1.895	5.5
83	MP1A	Z	-3.282	5.5
84	MP1A	Mx	.001	5.5
85	MP4A	X	-1.895	.5
86	MP4A	Z	-3.282	.5
87	MP4A	Mx	.001	.5
88	MP4A	X	-1.895	5.5
89	MP4A	Z	-3.282	5.5
90	MP4A	Mx	.001	5.5
91	MP2A	X	-.325	4.5
92	MP2A	Z	-.563	4.5
93	MP2A	Mx	-.000209	4.5
94	MP2B	X	-.359	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	-.622	4.5
96	MP2B	Mx	-.000123	4.5
97	MP2C	X	-.261	4.5
98	MP2C	Z	-.453	4.5
99	MP2C	Mx	.000257	4.5
100	MP3A	X	-1.349	4.5
101	MP3A	Z	-2.336	4.5
102	MP3A	Mx	-.000867	4.5
103	MP3B	X	-1.501	4.5
104	MP3B	Z	-2.6	4.5
105	MP3B	Mx	-.000513	4.5
106	MP3C	X	-1.063	4.5
107	MP3C	Z	-1.841	4.5
108	MP3C	Mx	.001	4.5
109	MP2A	X	-1.27	1
110	MP2A	Z	-2.199	1
111	MP2A	Mx	-.000816	1
112	MP2B	X	-1.479	1
113	MP2B	Z	-2.561	1
114	MP2B	Mx	-.000506	1
115	MP2C	X	-.877	1
116	MP2C	Z	-1.52	1
117	MP2C	Mx	.000864	1
118	M101	X	-2.518	1
119	M101	Z	-4.361	1
120	M101	Mx	0	1
121	M157	X	-2.518	1
122	M157	Z	-4.361	1
123	M157	Mx	0	1
124	MP2A	X	-.798	6
125	MP2A	Z	-1.383	6
126	MP2A	Mx	-.000399	6

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M181	Y	-500	%31

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M181	Y	-500	%66

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M181	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M181	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	0	.5
2	MP3A	My	0	.5
3	MP3A	Mz	0	.5
4	MP3A	Y	0	5.5
5	MP3A	My	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mz	0	5.5
7	MP3B	Y	0	.5
8	MP3B	My	0	.5
9	MP3B	Mz	0	.5
10	MP3B	Y	0	5.5
11	MP3B	My	0	5.5
12	MP3B	Mz	0	5.5
13	MP3C	Y	0	.5
14	MP3C	My	0	.5
15	MP3C	Mz	0	.5
16	MP3C	Y	0	5.5
17	MP3C	My	0	5.5
18	MP3C	Mz	0	5.5
19	MP2A	Y	0	.5
20	MP2A	My	0	.5
21	MP2A	Mz	0	.5
22	MP2A	Y	0	5.5
23	MP2A	My	0	5.5
24	MP2A	Mz	0	5.5
25	MP2B	Y	0	.5
26	MP2B	My	0	.5
27	MP2B	Mz	0	.5
28	MP2B	Y	0	5.5
29	MP2B	My	0	5.5
30	MP2B	Mz	0	5.5
31	MP2C	Y	0	.5
32	MP2C	My	0	.5
33	MP2C	Mz	0	.5
34	MP2C	Y	0	5.5
35	MP2C	My	0	5.5
36	MP2C	Mz	0	5.5
37	MP2A	Y	0	.5
38	MP2A	My	0	.5
39	MP2A	Mz	0	.5
40	MP2A	Y	0	5.5
41	MP2A	My	0	5.5
42	MP2A	Mz	0	5.5
43	MP2B	Y	0	.5
44	MP2B	My	0	.5
45	MP2B	Mz	0	.5
46	MP2B	Y	0	5.5
47	MP2B	My	0	5.5
48	MP2B	Mz	0	5.5
49	MP2C	Y	0	.5
50	MP2C	My	0	.5
51	MP2C	Mz	0	.5
52	MP2C	Y	0	5.5
53	MP2C	My	0	5.5
54	MP2C	Mz	0	5.5
55	MP1B	Y	0	.5
56	MP1B	My	0	.5
57	MP1B	Mz	0	.5
58	MP1B	Y	0	5.5
59	MP1B	My	0	5.5
60	MP1B	Mz	0	5.5
61	MP1C	Y	0	.5
62	MP1C	My	0	.5
63	MP1C	Mz	0	.5
64	MP1C	Y	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP1C	My	0	5.5
66	MP1C	Mz	0	5.5
67	MP4B	Y	0	.5
68	MP4B	My	0	.5
69	MP4B	Mz	0	.5
70	MP4B	Y	0	5.5
71	MP4B	My	0	5.5
72	MP4B	Mz	0	5.5
73	MP4C	Y	0	.5
74	MP4C	My	0	.5
75	MP4C	Mz	0	.5
76	MP4C	Y	0	5.5
77	MP4C	My	0	5.5
78	MP4C	Mz	0	5.5
79	MP1A	Y	0	.5
80	MP1A	My	0	.5
81	MP1A	Mz	0	.5
82	MP1A	Y	0	5.5
83	MP1A	My	0	5.5
84	MP1A	Mz	0	5.5
85	MP4A	Y	0	.5
86	MP4A	My	0	.5
87	MP4A	Mz	0	.5
88	MP4A	Y	0	5.5
89	MP4A	My	0	5.5
90	MP4A	Mz	0	5.5
91	MP2A	Y	0	4.5
92	MP2A	My	0	4.5
93	MP2A	Mz	0	4.5
94	MP2B	Y	0	4.5
95	MP2B	My	0	4.5
96	MP2B	Mz	0	4.5
97	MP2C	Y	0	4.5
98	MP2C	My	0	4.5
99	MP2C	Mz	0	4.5
100	MP3A	Y	0	4.5
101	MP3A	My	0	4.5
102	MP3A	Mz	0	4.5
103	MP3B	Y	0	4.5
104	MP3B	My	0	4.5
105	MP3B	Mz	0	4.5
106	MP3C	Y	0	4.5
107	MP3C	My	0	4.5
108	MP3C	Mz	0	4.5
109	MP2A	Y	0	1
110	MP2A	My	0	1
111	MP2A	Mz	0	1
112	MP2B	Y	0	1
113	MP2B	My	0	1
114	MP2B	Mz	0	1
115	MP2C	Y	0	1
116	MP2C	My	0	1
117	MP2C	Mz	0	1
118	M101	Y	0	1
119	M101	My	0	1
120	M101	Mz	0	1
121	M157	Y	0	1
122	M157	My	0	1
123	M157	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
124	MP2A	Y	0	6
125	MP2A	My	0	6
126	MP2A	Mz	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Z	-1.306	.5
2	MP3A	Mx	.000113	.5
3	MP3A	Z	-1.306	5.5
4	MP3A	Mx	.000113	5.5
5	MP3B	Z	-1.306	.5
6	MP3B	Mx	.0005	.5
7	MP3B	Z	-1.306	5.5
8	MP3B	Mx	.0005	5.5
9	MP3C	Z	-1.306	.5
10	MP3C	Mx	-.000614	.5
11	MP3C	Z	-1.306	5.5
12	MP3C	Mx	-.000614	5.5
13	MP2A	Z	-.95	.5
14	MP2A	Mx	-.000385	.5
15	MP2A	Z	-.95	5.5
16	MP2A	Mx	-.000385	5.5
17	MP2B	Z	-.95	.5
18	MP2B	Mx	.000669	.5
19	MP2B	Z	-.95	5.5
20	MP2B	Mx	.000669	5.5
21	MP2C	Z	-.95	.5
22	MP2C	Mx	-.000284	.5
23	MP2C	Z	-.95	5.5
24	MP2C	Mx	-.000284	5.5
25	MP2A	Z	-.95	.5
26	MP2A	Mx	.00055	.5
27	MP2A	Z	-.95	5.5
28	MP2A	Mx	.00055	5.5
29	MP2B	Z	-.95	.5
30	MP2B	Mx	5.9e-5	.5
31	MP2B	Z	-.95	5.5
32	MP2B	Mx	5.9e-5	5.5
33	MP2C	Z	-.95	.5
34	MP2C	Mx	-.000608	.5
35	MP2C	Z	-.95	5.5
36	MP2C	Mx	-.000608	5.5
37	MP1B	Z	-.3	.5
38	MP1B	Mx	.000115	.5
39	MP1B	Z	-.3	5.5
40	MP1B	Mx	.000115	5.5
41	MP1C	Z	-.3	.5
42	MP1C	Mx	-.000141	.5
43	MP1C	Z	-.3	5.5
44	MP1C	Mx	-.000141	5.5
45	MP4B	Z	-.3	.5
46	MP4B	Mx	.000115	.5
47	MP4B	Z	-.3	5.5
48	MP4B	Mx	.000115	5.5
49	MP4C	Z	-.3	.5
50	MP4C	Mx	-.000141	.5
51	MP4C	Z	-.3	5.5
52	MP4C	Mx	-.000141	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1A	Z	-.18	.5
54	MP1A	Mx	1.6e-5	.5
55	MP1A	Z	-.18	5.5
56	MP1A	Mx	1.6e-5	5.5
57	MP4A	Z	-.18	.5
58	MP4A	Mx	1.6e-5	.5
59	MP4A	Z	-.18	5.5
60	MP4A	Mx	1.6e-5	5.5
61	MP2A	Z	-.312	4.5
62	MP2A	Mx	-2.7e-5	4.5
63	MP2B	Z	-.312	4.5
64	MP2B	Mx	-.00012	4.5
65	MP2C	Z	-.312	4.5
66	MP2C	Mx	.000147	4.5
67	MP3A	Z	-2.532	4.5
68	MP3A	Mx	-.00022	4.5
69	MP3B	Z	-2.532	4.5
70	MP3B	Mx	-.00097	4.5
71	MP3C	Z	-2.532	4.5
72	MP3C	Mx	.001	4.5
73	MP2A	Z	-2.109	1
74	MP2A	Mx	-.000183	1
75	MP2B	Z	-2.109	1
76	MP2B	Mx	-.000808	1
77	MP2C	Z	-2.109	1
78	MP2C	Mx	.000991	1
79	M101	Z	-.807	1
80	M101	Mx	0	1
81	M157	Z	-.807	1
82	M157	Mx	0	1
83	MP2A	Z	-.528	6
84	MP2A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.306	.5
2	MP3A	Mx	-.000643	.5
3	MP3A	X	1.306	5.5
4	MP3A	Mx	-.000643	5.5
5	MP3B	X	1.306	.5
6	MP3B	Mx	.00042	.5
7	MP3B	X	1.306	5.5
8	MP3B	Mx	.00042	5.5
9	MP3C	X	1.306	.5
10	MP3C	Mx	.000223	.5
11	MP3C	X	1.306	5.5
12	MP3C	Mx	.000223	5.5
13	MP2A	X	.95	.5
14	MP2A	Mx	-.00055	.5
15	MP2A	X	.95	5.5
16	MP2A	Mx	-.00055	5.5
17	MP2B	X	.95	.5
18	MP2B	Mx	-5.9e-5	.5
19	MP2B	X	.95	5.5
20	MP2B	Mx	-5.9e-5	5.5
21	MP2C	X	.95	.5
22	MP2C	Mx	.000608	.5
23	MP2C	X	.95	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2C	Mx	.000608	5.5
25	MP2A	X	.95	.5
26	MP2A	Mx	-.000385	.5
27	MP2A	X	.95	5.5
28	MP2A	Mx	-.000385	5.5
29	MP2B	X	.95	.5
30	MP2B	Mx	.000669	.5
31	MP2B	X	.95	5.5
32	MP2B	Mx	.000669	5.5
33	MP2C	X	.95	.5
34	MP2C	Mx	-.000284	.5
35	MP2C	X	.95	5.5
36	MP2C	Mx	-.000284	5.5
37	MP1B	X	.3	.5
38	MP1B	Mx	9.6e-5	.5
39	MP1B	X	.3	5.5
40	MP1B	Mx	9.6e-5	5.5
41	MP1C	X	.3	.5
42	MP1C	Mx	5.1e-5	.5
43	MP1C	X	.3	5.5
44	MP1C	Mx	5.1e-5	5.5
45	MP4B	X	.3	.5
46	MP4B	Mx	9.6e-5	.5
47	MP4B	X	.3	5.5
48	MP4B	Mx	9.6e-5	5.5
49	MP4C	X	.3	.5
50	MP4C	Mx	5.1e-5	.5
51	MP4C	X	.3	5.5
52	MP4C	Mx	5.1e-5	5.5
53	MP1A	X	.18	.5
54	MP1A	Mx	-8.9e-5	.5
55	MP1A	X	.18	5.5
56	MP1A	Mx	-8.9e-5	5.5
57	MP4A	X	.18	.5
58	MP4A	Mx	-8.9e-5	.5
59	MP4A	X	.18	5.5
60	MP4A	Mx	-8.9e-5	5.5
61	MP2A	X	.312	4.5
62	MP2A	Mx	.000154	4.5
63	MP2B	X	.312	4.5
64	MP2B	Mx	-.0001	4.5
65	MP2C	X	.312	4.5
66	MP2C	Mx	-5.3e-5	4.5
67	MP3A	X	2.532	4.5
68	MP3A	Mx	.001	4.5
69	MP3B	X	2.532	4.5
70	MP3B	Mx	-.000814	4.5
71	MP3C	X	2.532	4.5
72	MP3C	Mx	-.000433	4.5
73	MP2A	X	2.109	1
74	MP2A	Mx	.001	1
75	MP2B	X	2.109	1
76	MP2B	Mx	-.000678	1
77	MP2C	X	2.109	1
78	MP2C	Mx	-.000361	1
79	M101	X	.807	1
80	M101	Mx	0	1
81	M157	X	.807	1
82	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP2A	X	.528	6
84	MP2A	Mx	.000264	6

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	Y	-9.389	-9.389	0	%100
2	M102	Y	-9.389	-9.389	0	%100
3	M111	Y	-9.389	-9.389	0	%100
4	M112	Y	-9.892	-9.892	0	%100
5	M115	Y	-5.477	-5.477	0	%100
6	M116	Y	-5.477	-5.477	0	%100
7	M120	Y	-9.88	-9.88	0	%100
8	M121	Y	-9.88	-9.88	0	%100
9	M123	Y	-9.892	-9.892	0	%100
10	M125	Y	-9.88	-9.88	0	%100
11	M126	Y	-9.88	-9.88	0	%100
12	M128	Y	-9.892	-9.892	0	%100
13	M133	Y	-9.389	-9.389	0	%100
14	M134	Y	-9.389	-9.389	0	%100
15	M135	Y	-9.389	-9.389	0	%100
16	M136	Y	-9.892	-9.892	0	%100
17	M139	Y	-5.477	-5.477	0	%100
18	M140	Y	-5.477	-5.477	0	%100
19	M144	Y	-9.88	-9.88	0	%100
20	M145	Y	-9.88	-9.88	0	%100
21	M147	Y	-9.892	-9.892	0	%100
22	M149	Y	-9.88	-9.88	0	%100
23	M150	Y	-9.88	-9.88	0	%100
24	M152	Y	-9.892	-9.892	0	%100
25	M157	Y	-9.389	-9.389	0	%100
26	M158	Y	-9.389	-9.389	0	%100
27	M159	Y	-9.389	-9.389	0	%100
28	M160	Y	-9.892	-9.892	0	%100
29	M163	Y	-5.477	-5.477	0	%100
30	M164	Y	-5.477	-5.477	0	%100
31	M168	Y	-9.88	-9.88	0	%100
32	M169	Y	-9.88	-9.88	0	%100
33	M171	Y	-9.892	-9.892	0	%100
34	M173	Y	-9.88	-9.88	0	%100
35	M174	Y	-9.88	-9.88	0	%100
36	M176	Y	-9.892	-9.892	0	%100
37	M181	Y	-6.406	-6.406	0	%100
38	M106	Y	-6.406	-6.406	0	%100
39	M108	Y	-6.406	-6.406	0	%100
40	M84	Y	-6.406	-6.406	0	%100
41	M88	Y	-6.406	-6.406	0	%100
42	M89	Y	-6.406	-6.406	0	%100
43	MP1A	Y	-4.85	-4.85	0	%100
44	MP2A	Y	-4.85	-4.85	0	%100
45	MP3A	Y	-4.85	-4.85	0	%100
46	MP4A	Y	-4.85	-4.85	0	%100
47	MP1C	Y	-4.85	-4.85	0	%100
48	MP2C	Y	-4.85	-4.85	0	%100
49	MP3C	Y	-4.85	-4.85	0	%100
50	MP4C	Y	-4.85	-4.85	0	%100
51	MP1B	Y	-4.85	-4.85	0	%100
52	MP2B	Y	-4.85	-4.85	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	MP3B	Y	-4.85	-4.85	0	%100
54	MP4B	Y	-4.85	-4.85	0	%100
55	M121A	Y	-6.455	-6.455	0	%100
56	M122A	Y	-6.455	-6.455	0	%100
57	M123A	Y	-6.455	-6.455	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	-10.169	-10.169	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	-2.858	-2.858	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	-2.858	-2.858	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	-5.246	-5.246	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	-11.651	-11.651	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	-2.913	-2.913	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	-15.737	-15.737	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	-21.371	-21.371	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	-22.509	-22.509	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	-15.737	-15.737	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	-5.343	-5.343	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	-5.627	-5.627	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	-11.433	-11.433	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	-11.433	-11.433	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	-20.982	-20.982	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	-2.913	-2.913	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	-2.913	-2.913	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	-5.343	-5.343	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	-5.627	-5.627	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	-5.343	-5.343	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	-5.627	-5.627	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	-10.169	-10.169	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	-2.858	-2.858	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	-2.858	-2.858	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	-5.246	-5.246	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	-2.913	-2.913	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	-11.651	-11.651	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	-15.737	-15.737	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	-5.343	-5.343	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	-5.627	-5.627	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	-15.737	-15.737	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	-21.371	-21.371	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	-22.509	-22.509	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	-12.24	-12.24	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	-3.06	-3.06	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	-3.06	-3.06	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	-12.24	-12.24	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	-3.06	-3.06	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	-3.06	-3.06	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-8.305	-8.305	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-8.305	-8.305	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-8.305	-8.305	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-8.305	-8.305	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-8.305	-8.305	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-8.305	-8.305	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-8.305	-8.305	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	-8.305	-8.305	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-8.305	-8.305	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-8.305	-8.305	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-8.305	-8.305	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-8.305	-8.305	0	%100
109	M121A	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,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-2.502	-2.502	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	-2.502	-2.502	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	-10.007	-10.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	6.78	6.78	0	%100
2	M101	Z	-11.743	-11.743	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	4.369	4.369	0	%100
10	M115	Z	-7.568	-7.568	0	%100
11	M116	X	4.369	4.369	0	%100
12	M116	Z	-7.568	-7.568	0	%100
13	M120	X	10.491	10.491	0	%100
14	M120	Z	-18.171	-18.171	0	%100
15	M121	X	8.014	8.014	0	%100
16	M121	Z	-13.881	-13.881	0	%100
17	M123	X	8.441	8.441	0	%100
18	M123	Z	-14.62	-14.62	0	%100
19	M125	X	10.491	10.491	0	%100
20	M125	Z	-18.171	-18.171	0	%100
21	M126	X	8.014	8.014	0	%100
22	M126	Z	-13.881	-13.881	0	%100
23	M128	X	8.441	8.441	0	%100
24	M128	Z	-14.62	-14.62	0	%100
25	M133	X	1.695	1.695	0	%100
26	M133	Z	-2.936	-2.936	0	%100
27	M134	X	4.287	4.287	0	%100
28	M134	Z	-7.426	-7.426	0	%100
29	M135	X	4.287	4.287	0	%100
30	M135	Z	-7.426	-7.426	0	%100
31	M136	X	7.868	7.868	0	%100
32	M136	Z	-13.628	-13.628	0	%100
33	M139	X	4.369	4.369	0	%100
34	M139	Z	-7.568	-7.568	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	2.623	2.623	0	%100
38	M144	Z	-4.543	-4.543	0	%100
39	M145	X	8.014	8.014	0	%100
40	M145	Z	-13.881	-13.881	0	%100
41	M147	X	8.441	8.441	0	%100
42	M147	Z	-14.62	-14.62	0	%100
43	M149	X	2.623	2.623	0	%100
44	M149	Z	-4.543	-4.543	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	1.695	1.695	0	%100
50	M157	Z	-2.936	-2.936	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	4.287	4.287	0	%100
52	M158	Z	-7.426	-7.426	0	%100
53	M159	X	4.287	4.287	0	%100
54	M159	Z	-7.426	-7.426	0	%100
55	M160	X	7.868	7.868	0	%100
56	M160	Z	-13.628	-13.628	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	4.369	4.369	0	%100
60	M164	Z	-7.568	-7.568	0	%100
61	M168	X	2.623	2.623	0	%100
62	M168	Z	-4.543	-4.543	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	2.623	2.623	0	%100
68	M173	Z	-4.543	-4.543	0	%100
69	M174	X	8.014	8.014	0	%100
70	M174	Z	-13.881	-13.881	0	%100
71	M176	X	8.441	8.441	0	%100
72	M176	Z	-14.62	-14.62	0	%100
73	M181	X	4.59	4.59	0	%100
74	M181	Z	-7.95	-7.95	0	%100
75	M106	X	4.59	4.59	0	%100
76	M106	Z	-7.95	-7.95	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	4.59	4.59	0	%100
80	M84	Z	-7.95	-7.95	0	%100
81	M88	X	4.59	4.59	0	%100
82	M88	Z	-7.95	-7.95	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	4.153	4.153	0	%100
86	MP1A	Z	-7.193	-7.193	0	%100
87	MP2A	X	4.153	4.153	0	%100
88	MP2A	Z	-7.193	-7.193	0	%100
89	MP3A	X	4.153	4.153	0	%100
90	MP3A	Z	-7.193	-7.193	0	%100
91	MP4A	X	4.153	4.153	0	%100
92	MP4A	Z	-7.193	-7.193	0	%100
93	MP1C	X	4.153	4.153	0	%100
94	MP1C	Z	-7.193	-7.193	0	%100
95	MP2C	X	4.153	4.153	0	%100
96	MP2C	Z	-7.193	-7.193	0	%100
97	MP3C	X	4.153	4.153	0	%100
98	MP3C	Z	-7.193	-7.193	0	%100
99	MP4C	X	4.153	4.153	0	%100
100	MP4C	Z	-7.193	-7.193	0	%100
101	MP1B	X	4.153	4.153	0	%100
102	MP1B	Z	-7.193	-7.193	0	%100
103	MP2B	X	4.153	4.153	0	%100
104	MP2B	Z	-7.193	-7.193	0	%100
105	MP3B	X	4.153	4.153	0	%100
106	MP3B	Z	-7.193	-7.193	0	%100
107	MP4B	X	4.153	4.153	0	%100
108	MP4B	Z	-7.193	-7.193	0	%100
109	M121A	X	3.753	3.753	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-6.5	-6.5	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	3.753	3.753	0	%100
114	M123A	Z	-6.5	-6.5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	8.807	8.807	0	%100
2	M101	Z	-5.085	-5.085	0	%100
3	M102	X	2.475	2.475	0	%100
4	M102	Z	-1.429	-1.429	0	%100
5	M111	X	2.475	2.475	0	%100
6	M111	Z	-1.429	-1.429	0	%100
7	M112	X	4.543	4.543	0	%100
8	M112	Z	-2.623	-2.623	0	%100
9	M115	X	2.523	2.523	0	%100
10	M115	Z	-1.456	-1.456	0	%100
11	M116	X	10.09	10.09	0	%100
12	M116	Z	-5.825	-5.825	0	%100
13	M120	X	13.628	13.628	0	%100
14	M120	Z	-7.868	-7.868	0	%100
15	M121	X	4.627	4.627	0	%100
16	M121	Z	-2.671	-2.671	0	%100
17	M123	X	4.873	4.873	0	%100
18	M123	Z	-2.814	-2.814	0	%100
19	M125	X	13.628	13.628	0	%100
20	M125	Z	-7.868	-7.868	0	%100
21	M126	X	18.508	18.508	0	%100
22	M126	Z	-10.685	-10.685	0	%100
23	M128	X	19.494	19.494	0	%100
24	M128	Z	-11.255	-11.255	0	%100
25	M133	X	8.807	8.807	0	%100
26	M133	Z	-5.085	-5.085	0	%100
27	M134	X	2.475	2.475	0	%100
28	M134	Z	-1.429	-1.429	0	%100
29	M135	X	2.475	2.475	0	%100
30	M135	Z	-1.429	-1.429	0	%100
31	M136	X	4.543	4.543	0	%100
32	M136	Z	-2.623	-2.623	0	%100
33	M139	X	10.09	10.09	0	%100
34	M139	Z	-5.825	-5.825	0	%100
35	M140	X	2.523	2.523	0	%100
36	M140	Z	-1.456	-1.456	0	%100
37	M144	X	13.628	13.628	0	%100
38	M144	Z	-7.868	-7.868	0	%100
39	M145	X	18.508	18.508	0	%100
40	M145	Z	-10.685	-10.685	0	%100
41	M147	X	19.494	19.494	0	%100
42	M147	Z	-11.255	-11.255	0	%100
43	M149	X	13.628	13.628	0	%100
44	M149	Z	-7.868	-7.868	0	%100
45	M150	X	4.627	4.627	0	%100
46	M150	Z	-2.671	-2.671	0	%100
47	M152	X	4.873	4.873	0	%100
48	M152	Z	-2.814	-2.814	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	9.901	9.901	0	%100
52	M158	Z	-5.717	-5.717	0	%100
53	M159	X	9.901	9.901	0	%100
54	M159	Z	-5.717	-5.717	0	%100
55	M160	X	18.171	18.171	0	%100
56	M160	Z	-10.491	-10.491	0	%100
57	M163	X	2.523	2.523	0	%100
58	M163	Z	-1.456	-1.456	0	%100
59	M164	X	2.523	2.523	0	%100
60	M164	Z	-1.456	-1.456	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	4.627	4.627	0	%100
64	M169	Z	-2.671	-2.671	0	%100
65	M171	X	4.873	4.873	0	%100
66	M171	Z	-2.814	-2.814	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	4.627	4.627	0	%100
70	M174	Z	-2.671	-2.671	0	%100
71	M176	X	4.873	4.873	0	%100
72	M176	Z	-2.814	-2.814	0	%100
73	M181	X	2.65	2.65	0	%100
74	M181	Z	-1.53	-1.53	0	%100
75	M106	X	10.6	10.6	0	%100
76	M106	Z	-6.12	-6.12	0	%100
77	M108	X	2.65	2.65	0	%100
78	M108	Z	-1.53	-1.53	0	%100
79	M84	X	2.65	2.65	0	%100
80	M84	Z	-1.53	-1.53	0	%100
81	M88	X	10.6	10.6	0	%100
82	M88	Z	-6.12	-6.12	0	%100
83	M89	X	2.65	2.65	0	%100
84	M89	Z	-1.53	-1.53	0	%100
85	MP1A	X	7.193	7.193	0	%100
86	MP1A	Z	-4.153	-4.153	0	%100
87	MP2A	X	7.193	7.193	0	%100
88	MP2A	Z	-4.153	-4.153	0	%100
89	MP3A	X	7.193	7.193	0	%100
90	MP3A	Z	-4.153	-4.153	0	%100
91	MP4A	X	7.193	7.193	0	%100
92	MP4A	Z	-4.153	-4.153	0	%100
93	MP1C	X	7.193	7.193	0	%100
94	MP1C	Z	-4.153	-4.153	0	%100
95	MP2C	X	7.193	7.193	0	%100
96	MP2C	Z	-4.153	-4.153	0	%100
97	MP3C	X	7.193	7.193	0	%100
98	MP3C	Z	-4.153	-4.153	0	%100
99	MP4C	X	7.193	7.193	0	%100
100	MP4C	Z	-4.153	-4.153	0	%100
101	MP1B	X	7.193	7.193	0	%100
102	MP1B	Z	-4.153	-4.153	0	%100
103	MP2B	X	7.193	7.193	0	%100
104	MP2B	Z	-4.153	-4.153	0	%100
105	MP3B	X	7.193	7.193	0	%100
106	MP3B	Z	-4.153	-4.153	0	%100
107	MP4B	X	7.193	7.193	0	%100
108	MP4B	Z	-4.153	-4.153	0	%100
109	M121A	X	8.667	8.667	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-5.004	-5.004	0	%100
111	M122A	X	2.167	2.167	0	%100
112	M122A	Z	-1.251	-1.251	0	%100
113	M123A	X	2.167	2.167	0	%100
114	M123A	Z	-1.251	-1.251	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	3.39	3.39	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	8.575	8.575	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	8.575	8.575	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	15.737	15.737	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	8.738	8.738	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	5.246	5.246	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	5.246	5.246	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	16.028	16.028	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	16.882	16.882	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	13.559	13.559	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	8.738	8.738	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	8.738	8.738	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	20.982	20.982	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	16.028	16.028	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	16.882	16.882	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	20.982	20.982	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	16.028	16.028	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	16.882	16.882	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	3.39	3.39	0	%100
50	M157	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	8.575	8.575	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	8.575	8.575	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	15.737	15.737	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	8.738	8.738	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	5.246	5.246	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	16.028	16.028	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	16.882	16.882	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	5.246	5.246	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	9.18	9.18	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	9.18	9.18	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	9.18	9.18	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	9.18	9.18	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	8.305	8.305	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	8.305	8.305	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	8.305	8.305	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	8.305	8.305	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	8.305	8.305	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	8.305	8.305	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	8.305	8.305	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	8.305	8.305	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	8.305	8.305	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	8.305	8.305	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	8.305	8.305	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	8.305	8.305	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	7.505	7.505	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	7.505	7.505	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	9.901	9.901	0	%100
4	M102	Z	5.717	5.717	0	%100
5	M111	X	9.901	9.901	0	%100
6	M111	Z	5.717	5.717	0	%100
7	M112	X	18.171	18.171	0	%100
8	M112	Z	10.491	10.491	0	%100
9	M115	X	2.523	2.523	0	%100
10	M115	Z	1.456	1.456	0	%100
11	M116	X	2.523	2.523	0	%100
12	M116	Z	1.456	1.456	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	4.627	4.627	0	%100
16	M121	Z	2.671	2.671	0	%100
17	M123	X	4.873	4.873	0	%100
18	M123	Z	2.814	2.814	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	4.627	4.627	0	%100
22	M126	Z	2.671	2.671	0	%100
23	M128	X	4.873	4.873	0	%100
24	M128	Z	2.814	2.814	0	%100
25	M133	X	8.807	8.807	0	%100
26	M133	Z	5.085	5.085	0	%100
27	M134	X	2.475	2.475	0	%100
28	M134	Z	1.429	1.429	0	%100
29	M135	X	2.475	2.475	0	%100
30	M135	Z	1.429	1.429	0	%100
31	M136	X	4.543	4.543	0	%100
32	M136	Z	2.623	2.623	0	%100
33	M139	X	2.523	2.523	0	%100
34	M139	Z	1.456	1.456	0	%100
35	M140	X	10.09	10.09	0	%100
36	M140	Z	5.825	5.825	0	%100
37	M144	X	13.628	13.628	0	%100
38	M144	Z	7.868	7.868	0	%100
39	M145	X	4.627	4.627	0	%100
40	M145	Z	2.671	2.671	0	%100
41	M147	X	4.873	4.873	0	%100
42	M147	Z	2.814	2.814	0	%100
43	M149	X	13.628	13.628	0	%100
44	M149	Z	7.868	7.868	0	%100
45	M150	X	18.508	18.508	0	%100
46	M150	Z	10.685	10.685	0	%100
47	M152	X	19.494	19.494	0	%100
48	M152	Z	11.255	11.255	0	%100
49	M157	X	8.807	8.807	0	%100
50	M157	Z	5.085	5.085	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	2.475	2.475	0	%100
52	M158	Z	1.429	1.429	0	%100
53	M159	X	2.475	2.475	0	%100
54	M159	Z	1.429	1.429	0	%100
55	M160	X	4.543	4.543	0	%100
56	M160	Z	2.623	2.623	0	%100
57	M163	X	10.09	10.09	0	%100
58	M163	Z	5.825	5.825	0	%100
59	M164	X	2.523	2.523	0	%100
60	M164	Z	1.456	1.456	0	%100
61	M168	X	13.628	13.628	0	%100
62	M168	Z	7.868	7.868	0	%100
63	M169	X	18.508	18.508	0	%100
64	M169	Z	10.685	10.685	0	%100
65	M171	X	19.494	19.494	0	%100
66	M171	Z	11.255	11.255	0	%100
67	M173	X	13.628	13.628	0	%100
68	M173	Z	7.868	7.868	0	%100
69	M174	X	4.627	4.627	0	%100
70	M174	Z	2.671	2.671	0	%100
71	M176	X	4.873	4.873	0	%100
72	M176	Z	2.814	2.814	0	%100
73	M181	X	2.65	2.65	0	%100
74	M181	Z	1.53	1.53	0	%100
75	M106	X	2.65	2.65	0	%100
76	M106	Z	1.53	1.53	0	%100
77	M108	X	10.6	10.6	0	%100
78	M108	Z	6.12	6.12	0	%100
79	M84	X	2.65	2.65	0	%100
80	M84	Z	1.53	1.53	0	%100
81	M88	X	2.65	2.65	0	%100
82	M88	Z	1.53	1.53	0	%100
83	M89	X	10.6	10.6	0	%100
84	M89	Z	6.12	6.12	0	%100
85	MP1A	X	7.193	7.193	0	%100
86	MP1A	Z	4.153	4.153	0	%100
87	MP2A	X	7.193	7.193	0	%100
88	MP2A	Z	4.153	4.153	0	%100
89	MP3A	X	7.193	7.193	0	%100
90	MP3A	Z	4.153	4.153	0	%100
91	MP4A	X	7.193	7.193	0	%100
92	MP4A	Z	4.153	4.153	0	%100
93	MP1C	X	7.193	7.193	0	%100
94	MP1C	Z	4.153	4.153	0	%100
95	MP2C	X	7.193	7.193	0	%100
96	MP2C	Z	4.153	4.153	0	%100
97	MP3C	X	7.193	7.193	0	%100
98	MP3C	Z	4.153	4.153	0	%100
99	MP4C	X	7.193	7.193	0	%100
100	MP4C	Z	4.153	4.153	0	%100
101	MP1B	X	7.193	7.193	0	%100
102	MP1B	Z	4.153	4.153	0	%100
103	MP2B	X	7.193	7.193	0	%100
104	MP2B	Z	4.153	4.153	0	%100
105	MP3B	X	7.193	7.193	0	%100
106	MP3B	Z	4.153	4.153	0	%100
107	MP4B	X	7.193	7.193	0	%100
108	MP4B	Z	4.153	4.153	0	%100
109	M121A	X	2.167	2.167	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	1.251	1.251	0	%100
111	M122A	X	8.667	8.667	0	%100
112	M122A	Z	5.004	5.004	0	%100
113	M123A	X	2.167	2.167	0	%100
114	M123A	Z	1.251	1.251	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	1.695	1.695	0	%100
2	M101	Z	2.936	2.936	0	%100
3	M102	X	4.287	4.287	0	%100
4	M102	Z	7.426	7.426	0	%100
5	M111	X	4.287	4.287	0	%100
6	M111	Z	7.426	7.426	0	%100
7	M112	X	7.868	7.868	0	%100
8	M112	Z	13.628	13.628	0	%100
9	M115	X	4.369	4.369	0	%100
10	M115	Z	7.568	7.568	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	2.623	2.623	0	%100
14	M120	Z	4.543	4.543	0	%100
15	M121	X	8.014	8.014	0	%100
16	M121	Z	13.881	13.881	0	%100
17	M123	X	8.441	8.441	0	%100
18	M123	Z	14.62	14.62	0	%100
19	M125	X	2.623	2.623	0	%100
20	M125	Z	4.543	4.543	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	1.695	1.695	0	%100
26	M133	Z	2.936	2.936	0	%100
27	M134	X	4.287	4.287	0	%100
28	M134	Z	7.426	7.426	0	%100
29	M135	X	4.287	4.287	0	%100
30	M135	Z	7.426	7.426	0	%100
31	M136	X	7.868	7.868	0	%100
32	M136	Z	13.628	13.628	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	4.369	4.369	0	%100
36	M140	Z	7.568	7.568	0	%100
37	M144	X	2.623	2.623	0	%100
38	M144	Z	4.543	4.543	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	2.623	2.623	0	%100
44	M149	Z	4.543	4.543	0	%100
45	M150	X	8.014	8.014	0	%100
46	M150	Z	13.881	13.881	0	%100
47	M152	X	8.441	8.441	0	%100
48	M152	Z	14.62	14.62	0	%100
49	M157	X	6.78	6.78	0	%100
50	M157	Z	11.743	11.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	4.369	4.369	0	%100
58	M163	Z	7.568	7.568	0	%100
59	M164	X	4.369	4.369	0	%100
60	M164	Z	7.568	7.568	0	%100
61	M168	X	10.491	10.491	0	%100
62	M168	Z	18.171	18.171	0	%100
63	M169	X	8.014	8.014	0	%100
64	M169	Z	13.881	13.881	0	%100
65	M171	X	8.441	8.441	0	%100
66	M171	Z	14.62	14.62	0	%100
67	M173	X	10.491	10.491	0	%100
68	M173	Z	18.171	18.171	0	%100
69	M174	X	8.014	8.014	0	%100
70	M174	Z	13.881	13.881	0	%100
71	M176	X	8.441	8.441	0	%100
72	M176	Z	14.62	14.62	0	%100
73	M181	X	4.59	4.59	0	%100
74	M181	Z	7.95	7.95	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	4.59	4.59	0	%100
78	M108	Z	7.95	7.95	0	%100
79	M84	X	4.59	4.59	0	%100
80	M84	Z	7.95	7.95	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	4.59	4.59	0	%100
84	M89	Z	7.95	7.95	0	%100
85	MP1A	X	4.153	4.153	0	%100
86	MP1A	Z	7.193	7.193	0	%100
87	MP2A	X	4.153	4.153	0	%100
88	MP2A	Z	7.193	7.193	0	%100
89	MP3A	X	4.153	4.153	0	%100
90	MP3A	Z	7.193	7.193	0	%100
91	MP4A	X	4.153	4.153	0	%100
92	MP4A	Z	7.193	7.193	0	%100
93	MP1C	X	4.153	4.153	0	%100
94	MP1C	Z	7.193	7.193	0	%100
95	MP2C	X	4.153	4.153	0	%100
96	MP2C	Z	7.193	7.193	0	%100
97	MP3C	X	4.153	4.153	0	%100
98	MP3C	Z	7.193	7.193	0	%100
99	MP4C	X	4.153	4.153	0	%100
100	MP4C	Z	7.193	7.193	0	%100
101	MP1B	X	4.153	4.153	0	%100
102	MP1B	Z	7.193	7.193	0	%100
103	MP2B	X	4.153	4.153	0	%100
104	MP2B	Z	7.193	7.193	0	%100
105	MP3B	X	4.153	4.153	0	%100
106	MP3B	Z	7.193	7.193	0	%100
107	MP4B	X	4.153	4.153	0	%100
108	MP4B	Z	7.193	7.193	0	%100
109	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	3.753	3.753	0	%100
112	M122A	Z	6.5	6.5	0	%100
113	M123A	X	3.753	3.753	0	%100
114	M123A	Z	6.5	6.5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	10.169	10.169	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	2.858	2.858	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	2.858	2.858	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	5.246	5.246	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	11.651	11.651	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	2.913	2.913	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	15.737	15.737	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	21.371	21.371	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	22.509	22.509	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	15.737	15.737	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	5.343	5.343	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	5.627	5.627	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	11.433	11.433	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	11.433	11.433	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	20.982	20.982	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	2.913	2.913	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	2.913	2.913	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	5.343	5.343	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	5.627	5.627	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	5.343	5.343	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	5.627	5.627	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	10.169	10.169	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	2.858	2.858	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	2.858	2.858	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	5.246	5.246	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	2.913	2.913	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	11.651	11.651	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	15.737	15.737	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	5.343	5.343	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	5.627	5.627	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	15.737	15.737	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	21.371	21.371	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	22.509	22.509	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	12.24	12.24	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	3.06	3.06	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	3.06	3.06	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	12.24	12.24	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	3.06	3.06	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	3.06	3.06	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	8.305	8.305	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	8.305	8.305	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	8.305	8.305	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	8.305	8.305	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	8.305	8.305	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	8.305	8.305	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	8.305	8.305	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	8.305	8.305	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	8.305	8.305	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	8.305	8.305	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	8.305	8.305	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	8.305	8.305	0	%100
109	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	2.502	2.502	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	2.502	2.502	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	10.007	10.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-6.78	-6.78	0	%100
2	M101	Z	11.743	11.743	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	-4.369	-4.369	0	%100
10	M115	Z	7.568	7.568	0	%100
11	M116	X	-4.369	-4.369	0	%100
12	M116	Z	7.568	7.568	0	%100
13	M120	X	-10.491	-10.491	0	%100
14	M120	Z	18.171	18.171	0	%100
15	M121	X	-8.014	-8.014	0	%100
16	M121	Z	13.881	13.881	0	%100
17	M123	X	-8.441	-8.441	0	%100
18	M123	Z	14.62	14.62	0	%100
19	M125	X	-10.491	-10.491	0	%100
20	M125	Z	18.171	18.171	0	%100
21	M126	X	-8.014	-8.014	0	%100
22	M126	Z	13.881	13.881	0	%100
23	M128	X	-8.441	-8.441	0	%100
24	M128	Z	14.62	14.62	0	%100
25	M133	X	-1.695	-1.695	0	%100
26	M133	Z	2.936	2.936	0	%100
27	M134	X	-4.287	-4.287	0	%100
28	M134	Z	7.426	7.426	0	%100
29	M135	X	-4.287	-4.287	0	%100
30	M135	Z	7.426	7.426	0	%100
31	M136	X	-7.868	-7.868	0	%100
32	M136	Z	13.628	13.628	0	%100
33	M139	X	-4.369	-4.369	0	%100
34	M139	Z	7.568	7.568	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-2.623	-2.623	0	%100
38	M144	Z	4.543	4.543	0	%100
39	M145	X	-8.014	-8.014	0	%100
40	M145	Z	13.881	13.881	0	%100
41	M147	X	-8.441	-8.441	0	%100
42	M147	Z	14.62	14.62	0	%100
43	M149	X	-2.623	-2.623	0	%100
44	M149	Z	4.543	4.543	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-1.695	-1.695	0	%100
50	M157	Z	2.936	2.936	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-4.287	-4.287	0	%100
52	M158	Z	7.426	7.426	0	%100
53	M159	X	-4.287	-4.287	0	%100
54	M159	Z	7.426	7.426	0	%100
55	M160	X	-7.868	-7.868	0	%100
56	M160	Z	13.628	13.628	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	-4.369	-4.369	0	%100
60	M164	Z	7.568	7.568	0	%100
61	M168	X	-2.623	-2.623	0	%100
62	M168	Z	4.543	4.543	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-2.623	-2.623	0	%100
68	M173	Z	4.543	4.543	0	%100
69	M174	X	-8.014	-8.014	0	%100
70	M174	Z	13.881	13.881	0	%100
71	M176	X	-8.441	-8.441	0	%100
72	M176	Z	14.62	14.62	0	%100
73	M181	X	-4.59	-4.59	0	%100
74	M181	Z	7.95	7.95	0	%100
75	M106	X	-4.59	-4.59	0	%100
76	M106	Z	7.95	7.95	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	-4.59	-4.59	0	%100
80	M84	Z	7.95	7.95	0	%100
81	M88	X	-4.59	-4.59	0	%100
82	M88	Z	7.95	7.95	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-4.153	-4.153	0	%100
86	MP1A	Z	7.193	7.193	0	%100
87	MP2A	X	-4.153	-4.153	0	%100
88	MP2A	Z	7.193	7.193	0	%100
89	MP3A	X	-4.153	-4.153	0	%100
90	MP3A	Z	7.193	7.193	0	%100
91	MP4A	X	-4.153	-4.153	0	%100
92	MP4A	Z	7.193	7.193	0	%100
93	MP1C	X	-4.153	-4.153	0	%100
94	MP1C	Z	7.193	7.193	0	%100
95	MP2C	X	-4.153	-4.153	0	%100
96	MP2C	Z	7.193	7.193	0	%100
97	MP3C	X	-4.153	-4.153	0	%100
98	MP3C	Z	7.193	7.193	0	%100
99	MP4C	X	-4.153	-4.153	0	%100
100	MP4C	Z	7.193	7.193	0	%100
101	MP1B	X	-4.153	-4.153	0	%100
102	MP1B	Z	7.193	7.193	0	%100
103	MP2B	X	-4.153	-4.153	0	%100
104	MP2B	Z	7.193	7.193	0	%100
105	MP3B	X	-4.153	-4.153	0	%100
106	MP3B	Z	7.193	7.193	0	%100
107	MP4B	X	-4.153	-4.153	0	%100
108	MP4B	Z	7.193	7.193	0	%100
109	M121A	X	-3.753	-3.753	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	6.5	6.5	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	-3.753	-3.753	0	%100
114	M123A	Z	6.5	6.5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-8.807	-8.807	0	%100
2	M101	Z	5.085	5.085	0	%100
3	M102	X	-2.475	-2.475	0	%100
4	M102	Z	1.429	1.429	0	%100
5	M111	X	-2.475	-2.475	0	%100
6	M111	Z	1.429	1.429	0	%100
7	M112	X	-4.543	-4.543	0	%100
8	M112	Z	2.623	2.623	0	%100
9	M115	X	-2.523	-2.523	0	%100
10	M115	Z	1.456	1.456	0	%100
11	M116	X	-10.09	-10.09	0	%100
12	M116	Z	5.825	5.825	0	%100
13	M120	X	-13.628	-13.628	0	%100
14	M120	Z	7.868	7.868	0	%100
15	M121	X	-4.627	-4.627	0	%100
16	M121	Z	2.671	2.671	0	%100
17	M123	X	-4.873	-4.873	0	%100
18	M123	Z	2.814	2.814	0	%100
19	M125	X	-13.628	-13.628	0	%100
20	M125	Z	7.868	7.868	0	%100
21	M126	X	-18.508	-18.508	0	%100
22	M126	Z	10.685	10.685	0	%100
23	M128	X	-19.494	-19.494	0	%100
24	M128	Z	11.255	11.255	0	%100
25	M133	X	-8.807	-8.807	0	%100
26	M133	Z	5.085	5.085	0	%100
27	M134	X	-2.475	-2.475	0	%100
28	M134	Z	1.429	1.429	0	%100
29	M135	X	-2.475	-2.475	0	%100
30	M135	Z	1.429	1.429	0	%100
31	M136	X	-4.543	-4.543	0	%100
32	M136	Z	2.623	2.623	0	%100
33	M139	X	-10.09	-10.09	0	%100
34	M139	Z	5.825	5.825	0	%100
35	M140	X	-2.523	-2.523	0	%100
36	M140	Z	1.456	1.456	0	%100
37	M144	X	-13.628	-13.628	0	%100
38	M144	Z	7.868	7.868	0	%100
39	M145	X	-18.508	-18.508	0	%100
40	M145	Z	10.685	10.685	0	%100
41	M147	X	-19.494	-19.494	0	%100
42	M147	Z	11.255	11.255	0	%100
43	M149	X	-13.628	-13.628	0	%100
44	M149	Z	7.868	7.868	0	%100
45	M150	X	-4.627	-4.627	0	%100
46	M150	Z	2.671	2.671	0	%100
47	M152	X	-4.873	-4.873	0	%100
48	M152	Z	2.814	2.814	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	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,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-9.901	-9.901	0	%100
52	M158	Z	5.717	5.717	0	%100
53	M159	X	-9.901	-9.901	0	%100
54	M159	Z	5.717	5.717	0	%100
55	M160	X	-18.171	-18.171	0	%100
56	M160	Z	10.491	10.491	0	%100
57	M163	X	-2.523	-2.523	0	%100
58	M163	Z	1.456	1.456	0	%100
59	M164	X	-2.523	-2.523	0	%100
60	M164	Z	1.456	1.456	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-4.627	-4.627	0	%100
64	M169	Z	2.671	2.671	0	%100
65	M171	X	-4.873	-4.873	0	%100
66	M171	Z	2.814	2.814	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	-4.627	-4.627	0	%100
70	M174	Z	2.671	2.671	0	%100
71	M176	X	-4.873	-4.873	0	%100
72	M176	Z	2.814	2.814	0	%100
73	M181	X	-2.65	-2.65	0	%100
74	M181	Z	1.53	1.53	0	%100
75	M106	X	-10.6	-10.6	0	%100
76	M106	Z	6.12	6.12	0	%100
77	M108	X	-2.65	-2.65	0	%100
78	M108	Z	1.53	1.53	0	%100
79	M84	X	-2.65	-2.65	0	%100
80	M84	Z	1.53	1.53	0	%100
81	M88	X	-10.6	-10.6	0	%100
82	M88	Z	6.12	6.12	0	%100
83	M89	X	-2.65	-2.65	0	%100
84	M89	Z	1.53	1.53	0	%100
85	MP1A	X	-7.193	-7.193	0	%100
86	MP1A	Z	4.153	4.153	0	%100
87	MP2A	X	-7.193	-7.193	0	%100
88	MP2A	Z	4.153	4.153	0	%100
89	MP3A	X	-7.193	-7.193	0	%100
90	MP3A	Z	4.153	4.153	0	%100
91	MP4A	X	-7.193	-7.193	0	%100
92	MP4A	Z	4.153	4.153	0	%100
93	MP1C	X	-7.193	-7.193	0	%100
94	MP1C	Z	4.153	4.153	0	%100
95	MP2C	X	-7.193	-7.193	0	%100
96	MP2C	Z	4.153	4.153	0	%100
97	MP3C	X	-7.193	-7.193	0	%100
98	MP3C	Z	4.153	4.153	0	%100
99	MP4C	X	-7.193	-7.193	0	%100
100	MP4C	Z	4.153	4.153	0	%100
101	MP1B	X	-7.193	-7.193	0	%100
102	MP1B	Z	4.153	4.153	0	%100
103	MP2B	X	-7.193	-7.193	0	%100
104	MP2B	Z	4.153	4.153	0	%100
105	MP3B	X	-7.193	-7.193	0	%100
106	MP3B	Z	4.153	4.153	0	%100
107	MP4B	X	-7.193	-7.193	0	%100
108	MP4B	Z	4.153	4.153	0	%100
109	M121A	X	-8.667	-8.667	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	5.004	5.004	0	%100
111	M122A	X	-2.167	-2.167	0	%100
112	M122A	Z	1.251	1.251	0	%100
113	M123A	X	-2.167	-2.167	0	%100
114	M123A	Z	1.251	1.251	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-3.39	-3.39	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-8.575	-8.575	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	-8.575	-8.575	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	-15.737	-15.737	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	-8.738	-8.738	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-5.246	-5.246	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	-5.246	-5.246	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-16.028	-16.028	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	-16.882	-16.882	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-13.559	-13.559	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	-8.738	-8.738	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-8.738	-8.738	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-20.982	-20.982	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	-16.028	-16.028	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	-16.882	-16.882	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-20.982	-20.982	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	-16.028	-16.028	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	-16.882	-16.882	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-3.39	-3.39	0	%100
50	M157	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,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-8.575	-8.575	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	-8.575	-8.575	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	-15.737	-15.737	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	-8.738	-8.738	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	-5.246	-5.246	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-16.028	-16.028	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	-16.882	-16.882	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-5.246	-5.246	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	-9.18	-9.18	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-9.18	-9.18	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	-9.18	-9.18	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-9.18	-9.18	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-8.305	-8.305	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-8.305	-8.305	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	-8.305	-8.305	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	-8.305	-8.305	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	-8.305	-8.305	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	-8.305	-8.305	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	-8.305	-8.305	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	-8.305	-8.305	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	-8.305	-8.305	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	-8.305	-8.305	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	-8.305	-8.305	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-8.305	-8.305	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	-7.505	-7.505	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	-7.505	-7.505	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	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,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-9.901	-9.901	0	%100
4	M102	Z	-5.717	-5.717	0	%100
5	M111	X	-9.901	-9.901	0	%100
6	M111	Z	-5.717	-5.717	0	%100
7	M112	X	-18.171	-18.171	0	%100
8	M112	Z	-10.491	-10.491	0	%100
9	M115	X	-2.523	-2.523	0	%100
10	M115	Z	-1.456	-1.456	0	%100
11	M116	X	-2.523	-2.523	0	%100
12	M116	Z	-1.456	-1.456	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	-4.627	-4.627	0	%100
16	M121	Z	-2.671	-2.671	0	%100
17	M123	X	-4.873	-4.873	0	%100
18	M123	Z	-2.814	-2.814	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-4.627	-4.627	0	%100
22	M126	Z	-2.671	-2.671	0	%100
23	M128	X	-4.873	-4.873	0	%100
24	M128	Z	-2.814	-2.814	0	%100
25	M133	X	-8.807	-8.807	0	%100
26	M133	Z	-5.085	-5.085	0	%100
27	M134	X	-2.475	-2.475	0	%100
28	M134	Z	-1.429	-1.429	0	%100
29	M135	X	-2.475	-2.475	0	%100
30	M135	Z	-1.429	-1.429	0	%100
31	M136	X	-4.543	-4.543	0	%100
32	M136	Z	-2.623	-2.623	0	%100
33	M139	X	-2.523	-2.523	0	%100
34	M139	Z	-1.456	-1.456	0	%100
35	M140	X	-10.09	-10.09	0	%100
36	M140	Z	-5.825	-5.825	0	%100
37	M144	X	-13.628	-13.628	0	%100
38	M144	Z	-7.868	-7.868	0	%100
39	M145	X	-4.627	-4.627	0	%100
40	M145	Z	-2.671	-2.671	0	%100
41	M147	X	-4.873	-4.873	0	%100
42	M147	Z	-2.814	-2.814	0	%100
43	M149	X	-13.628	-13.628	0	%100
44	M149	Z	-7.868	-7.868	0	%100
45	M150	X	-18.508	-18.508	0	%100
46	M150	Z	-10.685	-10.685	0	%100
47	M152	X	-19.494	-19.494	0	%100
48	M152	Z	-11.255	-11.255	0	%100
49	M157	X	-8.807	-8.807	0	%100
50	M157	Z	-5.085	-5.085	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-2.475	-2.475	0	%100
52	M158	Z	-1.429	-1.429	0	%100
53	M159	X	-2.475	-2.475	0	%100
54	M159	Z	-1.429	-1.429	0	%100
55	M160	X	-4.543	-4.543	0	%100
56	M160	Z	-2.623	-2.623	0	%100
57	M163	X	-10.09	-10.09	0	%100
58	M163	Z	-5.825	-5.825	0	%100
59	M164	X	-2.523	-2.523	0	%100
60	M164	Z	-1.456	-1.456	0	%100
61	M168	X	-13.628	-13.628	0	%100
62	M168	Z	-7.868	-7.868	0	%100
63	M169	X	-18.508	-18.508	0	%100
64	M169	Z	-10.685	-10.685	0	%100
65	M171	X	-19.494	-19.494	0	%100
66	M171	Z	-11.255	-11.255	0	%100
67	M173	X	-13.628	-13.628	0	%100
68	M173	Z	-7.868	-7.868	0	%100
69	M174	X	-4.627	-4.627	0	%100
70	M174	Z	-2.671	-2.671	0	%100
71	M176	X	-4.873	-4.873	0	%100
72	M176	Z	-2.814	-2.814	0	%100
73	M181	X	-2.65	-2.65	0	%100
74	M181	Z	-1.53	-1.53	0	%100
75	M106	X	-2.65	-2.65	0	%100
76	M106	Z	-1.53	-1.53	0	%100
77	M108	X	-10.6	-10.6	0	%100
78	M108	Z	-6.12	-6.12	0	%100
79	M84	X	-2.65	-2.65	0	%100
80	M84	Z	-1.53	-1.53	0	%100
81	M88	X	-2.65	-2.65	0	%100
82	M88	Z	-1.53	-1.53	0	%100
83	M89	X	-10.6	-10.6	0	%100
84	M89	Z	-6.12	-6.12	0	%100
85	MP1A	X	-7.193	-7.193	0	%100
86	MP1A	Z	-4.153	-4.153	0	%100
87	MP2A	X	-7.193	-7.193	0	%100
88	MP2A	Z	-4.153	-4.153	0	%100
89	MP3A	X	-7.193	-7.193	0	%100
90	MP3A	Z	-4.153	-4.153	0	%100
91	MP4A	X	-7.193	-7.193	0	%100
92	MP4A	Z	-4.153	-4.153	0	%100
93	MP1C	X	-7.193	-7.193	0	%100
94	MP1C	Z	-4.153	-4.153	0	%100
95	MP2C	X	-7.193	-7.193	0	%100
96	MP2C	Z	-4.153	-4.153	0	%100
97	MP3C	X	-7.193	-7.193	0	%100
98	MP3C	Z	-4.153	-4.153	0	%100
99	MP4C	X	-7.193	-7.193	0	%100
100	MP4C	Z	-4.153	-4.153	0	%100
101	MP1B	X	-7.193	-7.193	0	%100
102	MP1B	Z	-4.153	-4.153	0	%100
103	MP2B	X	-7.193	-7.193	0	%100
104	MP2B	Z	-4.153	-4.153	0	%100
105	MP3B	X	-7.193	-7.193	0	%100
106	MP3B	Z	-4.153	-4.153	0	%100
107	MP4B	X	-7.193	-7.193	0	%100
108	MP4B	Z	-4.153	-4.153	0	%100
109	M121A	X	-2.167	-2.167	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-1.251	-1.251	0	%100
111	M122A	X	-8.667	-8.667	0	%100
112	M122A	Z	-5.004	-5.004	0	%100
113	M123A	X	-2.167	-2.167	0	%100
114	M123A	Z	-1.251	-1.251	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-1.695	-1.695	0	%100
2	M101	Z	-2.936	-2.936	0	%100
3	M102	X	-4.287	-4.287	0	%100
4	M102	Z	-7.426	-7.426	0	%100
5	M111	X	-4.287	-4.287	0	%100
6	M111	Z	-7.426	-7.426	0	%100
7	M112	X	-7.868	-7.868	0	%100
8	M112	Z	-13.628	-13.628	0	%100
9	M115	X	-4.369	-4.369	0	%100
10	M115	Z	-7.568	-7.568	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-2.623	-2.623	0	%100
14	M120	Z	-4.543	-4.543	0	%100
15	M121	X	-8.014	-8.014	0	%100
16	M121	Z	-13.881	-13.881	0	%100
17	M123	X	-8.441	-8.441	0	%100
18	M123	Z	-14.62	-14.62	0	%100
19	M125	X	-2.623	-2.623	0	%100
20	M125	Z	-4.543	-4.543	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-1.695	-1.695	0	%100
26	M133	Z	-2.936	-2.936	0	%100
27	M134	X	-4.287	-4.287	0	%100
28	M134	Z	-7.426	-7.426	0	%100
29	M135	X	-4.287	-4.287	0	%100
30	M135	Z	-7.426	-7.426	0	%100
31	M136	X	-7.868	-7.868	0	%100
32	M136	Z	-13.628	-13.628	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-4.369	-4.369	0	%100
36	M140	Z	-7.568	-7.568	0	%100
37	M144	X	-2.623	-2.623	0	%100
38	M144	Z	-4.543	-4.543	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-2.623	-2.623	0	%100
44	M149	Z	-4.543	-4.543	0	%100
45	M150	X	-8.014	-8.014	0	%100
46	M150	Z	-13.881	-13.881	0	%100
47	M152	X	-8.441	-8.441	0	%100
48	M152	Z	-14.62	-14.62	0	%100
49	M157	X	-6.78	-6.78	0	%100
50	M157	Z	-11.743	-11.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	-4.369	-4.369	0	%100
58	M163	Z	-7.568	-7.568	0	%100
59	M164	X	-4.369	-4.369	0	%100
60	M164	Z	-7.568	-7.568	0	%100
61	M168	X	-10.491	-10.491	0	%100
62	M168	Z	-18.171	-18.171	0	%100
63	M169	X	-8.014	-8.014	0	%100
64	M169	Z	-13.881	-13.881	0	%100
65	M171	X	-8.441	-8.441	0	%100
66	M171	Z	-14.62	-14.62	0	%100
67	M173	X	-10.491	-10.491	0	%100
68	M173	Z	-18.171	-18.171	0	%100
69	M174	X	-8.014	-8.014	0	%100
70	M174	Z	-13.881	-13.881	0	%100
71	M176	X	-8.441	-8.441	0	%100
72	M176	Z	-14.62	-14.62	0	%100
73	M181	X	-4.59	-4.59	0	%100
74	M181	Z	-7.95	-7.95	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-4.59	-4.59	0	%100
78	M108	Z	-7.95	-7.95	0	%100
79	M84	X	-4.59	-4.59	0	%100
80	M84	Z	-7.95	-7.95	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-4.59	-4.59	0	%100
84	M89	Z	-7.95	-7.95	0	%100
85	MP1A	X	-4.153	-4.153	0	%100
86	MP1A	Z	-7.193	-7.193	0	%100
87	MP2A	X	-4.153	-4.153	0	%100
88	MP2A	Z	-7.193	-7.193	0	%100
89	MP3A	X	-4.153	-4.153	0	%100
90	MP3A	Z	-7.193	-7.193	0	%100
91	MP4A	X	-4.153	-4.153	0	%100
92	MP4A	Z	-7.193	-7.193	0	%100
93	MP1C	X	-4.153	-4.153	0	%100
94	MP1C	Z	-7.193	-7.193	0	%100
95	MP2C	X	-4.153	-4.153	0	%100
96	MP2C	Z	-7.193	-7.193	0	%100
97	MP3C	X	-4.153	-4.153	0	%100
98	MP3C	Z	-7.193	-7.193	0	%100
99	MP4C	X	-4.153	-4.153	0	%100
100	MP4C	Z	-7.193	-7.193	0	%100
101	MP1B	X	-4.153	-4.153	0	%100
102	MP1B	Z	-7.193	-7.193	0	%100
103	MP2B	X	-4.153	-4.153	0	%100
104	MP2B	Z	-7.193	-7.193	0	%100
105	MP3B	X	-4.153	-4.153	0	%100
106	MP3B	Z	-7.193	-7.193	0	%100
107	MP4B	X	-4.153	-4.153	0	%100
108	MP4B	Z	-7.193	-7.193	0	%100
109	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	-3.753	-3.753	0	%100
112	M122A	Z	-6.5	-6.5	0	%100
113	M123A	X	-3.753	-3.753	0	%100
114	M123A	Z	-6.5	-6.5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	-2.577	-2.577	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	-.701	-.701	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	-.701	-.701	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	-1.041	-1.041	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	-3.062	-3.062	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	-.765	-.765	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	-3.072	-3.072	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	-4.158	-4.158	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	-4.34	-4.34	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	-3.072	-3.072	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	-1.04	-1.04	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	-1.085	-1.085	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	-2.805	-2.805	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	-2.805	-2.805	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	-4.166	-4.166	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	-.765	-.765	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	-.765	-.765	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	-1.04	-1.04	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	-1.085	-1.085	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	-1.04	-1.04	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	-1.085	-1.085	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	-2.577	-2.577	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	-.701	-.701	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	-.701	-.701	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	-1.041	-1.041	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	-.765	-.765	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	-3.062	-3.062	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	-3.072	-3.072	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	-1.04	-1.04	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	-1.085	-1.085	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	-3.072	-3.072	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	-4.158	-4.158	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	-4.34	-4.34	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	-3.225	-3.225	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	-.806	-.806	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	-.806	-.806	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	-3.225	-3.225	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	-.806	-.806	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	-.806	-.806	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-2.596	-2.596	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-2.596	-2.596	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-2.596	-2.596	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-2.596	-2.596	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-2.596	-2.596	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-2.596	-2.596	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-2.596	-2.596	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	-2.596	-2.596	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-2.596	-2.596	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-2.596	-2.596	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-2.596	-2.596	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-2.596	-2.596	0	%100
109	M121A	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,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-.612	-.612	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	-.612	-.612	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	-2.447	-2.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	1.718	1.718	0	%100
2	M101	Z	-2.976	-2.976	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	1.148	1.148	0	%100
10	M115	Z	-1.989	-1.989	0	%100
11	M116	X	1.148	1.148	0	%100
12	M116	Z	-1.989	-1.989	0	%100
13	M120	X	2.048	2.048	0	%100
14	M120	Z	-3.547	-3.547	0	%100
15	M121	X	1.559	1.559	0	%100
16	M121	Z	-2.701	-2.701	0	%100
17	M123	X	1.628	1.628	0	%100
18	M123	Z	-2.819	-2.819	0	%100
19	M125	X	2.048	2.048	0	%100
20	M125	Z	-3.547	-3.547	0	%100
21	M126	X	1.559	1.559	0	%100
22	M126	Z	-2.701	-2.701	0	%100
23	M128	X	1.628	1.628	0	%100
24	M128	Z	-2.819	-2.819	0	%100
25	M133	X	.43	.43	0	%100
26	M133	Z	-.744	-.744	0	%100
27	M134	X	1.052	1.052	0	%100
28	M134	Z	-1.822	-1.822	0	%100
29	M135	X	1.052	1.052	0	%100
30	M135	Z	-1.822	-1.822	0	%100
31	M136	X	1.562	1.562	0	%100
32	M136	Z	-2.706	-2.706	0	%100
33	M139	X	1.148	1.148	0	%100
34	M139	Z	-1.989	-1.989	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	.512	.512	0	%100
38	M144	Z	-.887	-.887	0	%100
39	M145	X	1.559	1.559	0	%100
40	M145	Z	-2.701	-2.701	0	%100
41	M147	X	1.628	1.628	0	%100
42	M147	Z	-2.819	-2.819	0	%100
43	M149	X	.512	.512	0	%100
44	M149	Z	-.887	-.887	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	.43	.43	0	%100
50	M157	Z	-.744	-.744	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	1.052	1.052	0	%100
52	M158	Z	-1.822	-1.822	0	%100
53	M159	X	1.052	1.052	0	%100
54	M159	Z	-1.822	-1.822	0	%100
55	M160	X	1.562	1.562	0	%100
56	M160	Z	-2.706	-2.706	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	1.148	1.148	0	%100
60	M164	Z	-1.989	-1.989	0	%100
61	M168	X	.512	.512	0	%100
62	M168	Z	-.887	-.887	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	.512	.512	0	%100
68	M173	Z	-.887	-.887	0	%100
69	M174	X	1.559	1.559	0	%100
70	M174	Z	-2.701	-2.701	0	%100
71	M176	X	1.628	1.628	0	%100
72	M176	Z	-2.819	-2.819	0	%100
73	M181	X	1.209	1.209	0	%100
74	M181	Z	-2.095	-2.095	0	%100
75	M106	X	1.209	1.209	0	%100
76	M106	Z	-2.095	-2.095	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	1.209	1.209	0	%100
80	M84	Z	-2.095	-2.095	0	%100
81	M88	X	1.209	1.209	0	%100
82	M88	Z	-2.095	-2.095	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	1.298	1.298	0	%100
86	MP1A	Z	-2.248	-2.248	0	%100
87	MP2A	X	1.298	1.298	0	%100
88	MP2A	Z	-2.248	-2.248	0	%100
89	MP3A	X	1.298	1.298	0	%100
90	MP3A	Z	-2.248	-2.248	0	%100
91	MP4A	X	1.298	1.298	0	%100
92	MP4A	Z	-2.248	-2.248	0	%100
93	MP1C	X	1.298	1.298	0	%100
94	MP1C	Z	-2.248	-2.248	0	%100
95	MP2C	X	1.298	1.298	0	%100
96	MP2C	Z	-2.248	-2.248	0	%100
97	MP3C	X	1.298	1.298	0	%100
98	MP3C	Z	-2.248	-2.248	0	%100
99	MP4C	X	1.298	1.298	0	%100
100	MP4C	Z	-2.248	-2.248	0	%100
101	MP1B	X	1.298	1.298	0	%100
102	MP1B	Z	-2.248	-2.248	0	%100
103	MP2B	X	1.298	1.298	0	%100
104	MP2B	Z	-2.248	-2.248	0	%100
105	MP3B	X	1.298	1.298	0	%100
106	MP3B	Z	-2.248	-2.248	0	%100
107	MP4B	X	1.298	1.298	0	%100
108	MP4B	Z	-2.248	-2.248	0	%100
109	M121A	X	.918	.918	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-1.59	-1.59	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	.918	.918	0	%100
114	M123A	Z	-1.59	-1.59	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	2.232	2.232	0	%100
2	M101	Z	-1.289	-1.289	0	%100
3	M102	X	.607	.607	0	%100
4	M102	Z	-.351	-.351	0	%100
5	M111	X	.607	.607	0	%100
6	M111	Z	-.351	-.351	0	%100
7	M112	X	.902	.902	0	%100
8	M112	Z	-.521	-.521	0	%100
9	M115	X	.663	.663	0	%100
10	M115	Z	-.383	-.383	0	%100
11	M116	X	2.652	2.652	0	%100
12	M116	Z	-1.531	-1.531	0	%100
13	M120	X	2.66	2.66	0	%100
14	M120	Z	-1.536	-1.536	0	%100
15	M121	X	.9	.9	0	%100
16	M121	Z	-.52	-.52	0	%100
17	M123	X	.94	.94	0	%100
18	M123	Z	-.543	-.543	0	%100
19	M125	X	2.66	2.66	0	%100
20	M125	Z	-1.536	-1.536	0	%100
21	M126	X	3.601	3.601	0	%100
22	M126	Z	-2.079	-2.079	0	%100
23	M128	X	3.759	3.759	0	%100
24	M128	Z	-2.17	-2.17	0	%100
25	M133	X	2.232	2.232	0	%100
26	M133	Z	-1.289	-1.289	0	%100
27	M134	X	.607	.607	0	%100
28	M134	Z	-.351	-.351	0	%100
29	M135	X	.607	.607	0	%100
30	M135	Z	-.351	-.351	0	%100
31	M136	X	.902	.902	0	%100
32	M136	Z	-.521	-.521	0	%100
33	M139	X	2.652	2.652	0	%100
34	M139	Z	-1.531	-1.531	0	%100
35	M140	X	.663	.663	0	%100
36	M140	Z	-.383	-.383	0	%100
37	M144	X	2.66	2.66	0	%100
38	M144	Z	-1.536	-1.536	0	%100
39	M145	X	3.601	3.601	0	%100
40	M145	Z	-2.079	-2.079	0	%100
41	M147	X	3.759	3.759	0	%100
42	M147	Z	-2.17	-2.17	0	%100
43	M149	X	2.66	2.66	0	%100
44	M149	Z	-1.536	-1.536	0	%100
45	M150	X	.9	.9	0	%100
46	M150	Z	-.52	-.52	0	%100
47	M152	X	.94	.94	0	%100
48	M152	Z	-.543	-.543	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	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,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	2.429	2.429	0	%100
52	M158	Z	-1.402	-1.402	0	%100
53	M159	X	2.429	2.429	0	%100
54	M159	Z	-1.402	-1.402	0	%100
55	M160	X	3.608	3.608	0	%100
56	M160	Z	-2.083	-2.083	0	%100
57	M163	X	.663	.663	0	%100
58	M163	Z	-.383	-.383	0	%100
59	M164	X	.663	.663	0	%100
60	M164	Z	-.383	-.383	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	.9	.9	0	%100
64	M169	Z	-.52	-.52	0	%100
65	M171	X	.94	.94	0	%100
66	M171	Z	-.543	-.543	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	.9	.9	0	%100
70	M174	Z	-.52	-.52	0	%100
71	M176	X	.94	.94	0	%100
72	M176	Z	-.543	-.543	0	%100
73	M181	X	.698	.698	0	%100
74	M181	Z	-.403	-.403	0	%100
75	M106	X	2.793	2.793	0	%100
76	M106	Z	-1.613	-1.613	0	%100
77	M108	X	.698	.698	0	%100
78	M108	Z	-.403	-.403	0	%100
79	M84	X	.698	.698	0	%100
80	M84	Z	-.403	-.403	0	%100
81	M88	X	2.793	2.793	0	%100
82	M88	Z	-1.613	-1.613	0	%100
83	M89	X	.698	.698	0	%100
84	M89	Z	-.403	-.403	0	%100
85	MP1A	X	2.248	2.248	0	%100
86	MP1A	Z	-1.298	-1.298	0	%100
87	MP2A	X	2.248	2.248	0	%100
88	MP2A	Z	-1.298	-1.298	0	%100
89	MP3A	X	2.248	2.248	0	%100
90	MP3A	Z	-1.298	-1.298	0	%100
91	MP4A	X	2.248	2.248	0	%100
92	MP4A	Z	-1.298	-1.298	0	%100
93	MP1C	X	2.248	2.248	0	%100
94	MP1C	Z	-1.298	-1.298	0	%100
95	MP2C	X	2.248	2.248	0	%100
96	MP2C	Z	-1.298	-1.298	0	%100
97	MP3C	X	2.248	2.248	0	%100
98	MP3C	Z	-1.298	-1.298	0	%100
99	MP4C	X	2.248	2.248	0	%100
100	MP4C	Z	-1.298	-1.298	0	%100
101	MP1B	X	2.248	2.248	0	%100
102	MP1B	Z	-1.298	-1.298	0	%100
103	MP2B	X	2.248	2.248	0	%100
104	MP2B	Z	-1.298	-1.298	0	%100
105	MP3B	X	2.248	2.248	0	%100
106	MP3B	Z	-1.298	-1.298	0	%100
107	MP4B	X	2.248	2.248	0	%100
108	MP4B	Z	-1.298	-1.298	0	%100
109	M121A	X	2.119	2.119	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-1.224	-1.224	0	%100
111	M122A	X	.53	.53	0	%100
112	M122A	Z	-.306	-.306	0	%100
113	M123A	X	.53	.53	0	%100
114	M123A	Z	-.306	-.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	.859	.859	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	2.104	2.104	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	2.104	2.104	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	3.124	3.124	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	2.296	2.296	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	1.024	1.024	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	1.024	1.024	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	3.119	3.119	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	3.255	3.255	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	3.436	3.436	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	2.296	2.296	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	2.296	2.296	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	4.096	4.096	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	3.119	3.119	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	3.255	3.255	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	4.096	4.096	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	3.119	3.119	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	3.255	3.255	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	.859	.859	0	%100
50	M157	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	2.104	2.104	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	2.104	2.104	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	3.124	3.124	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	2.296	2.296	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	1.024	1.024	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	3.119	3.119	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	3.255	3.255	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	1.024	1.024	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	2.419	2.419	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	2.419	2.419	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	2.419	2.419	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	2.419	2.419	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	2.596	2.596	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	2.596	2.596	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	2.596	2.596	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	2.596	2.596	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	2.596	2.596	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	2.596	2.596	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	2.596	2.596	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	2.596	2.596	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	2.596	2.596	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	2.596	2.596	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	2.596	2.596	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	2.596	2.596	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	1.836	1.836	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	1.836	1.836	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	2.429	2.429	0	%100
4	M102	Z	1.402	1.402	0	%100
5	M111	X	2.429	2.429	0	%100
6	M111	Z	1.402	1.402	0	%100
7	M112	X	3.608	3.608	0	%100
8	M112	Z	2.083	2.083	0	%100
9	M115	X	.663	.663	0	%100
10	M115	Z	.383	.383	0	%100
11	M116	X	.663	.663	0	%100
12	M116	Z	.383	.383	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	.9	.9	0	%100
16	M121	Z	.52	.52	0	%100
17	M123	X	.94	.94	0	%100
18	M123	Z	.543	.543	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	.9	.9	0	%100
22	M126	Z	.52	.52	0	%100
23	M128	X	.94	.94	0	%100
24	M128	Z	.543	.543	0	%100
25	M133	X	2.232	2.232	0	%100
26	M133	Z	1.289	1.289	0	%100
27	M134	X	.607	.607	0	%100
28	M134	Z	.351	.351	0	%100
29	M135	X	.607	.607	0	%100
30	M135	Z	.351	.351	0	%100
31	M136	X	.902	.902	0	%100
32	M136	Z	.521	.521	0	%100
33	M139	X	.663	.663	0	%100
34	M139	Z	.383	.383	0	%100
35	M140	X	2.652	2.652	0	%100
36	M140	Z	1.531	1.531	0	%100
37	M144	X	2.66	2.66	0	%100
38	M144	Z	1.536	1.536	0	%100
39	M145	X	.9	.9	0	%100
40	M145	Z	.52	.52	0	%100
41	M147	X	.94	.94	0	%100
42	M147	Z	.543	.543	0	%100
43	M149	X	2.66	2.66	0	%100
44	M149	Z	1.536	1.536	0	%100
45	M150	X	3.601	3.601	0	%100
46	M150	Z	2.079	2.079	0	%100
47	M152	X	3.759	3.759	0	%100
48	M152	Z	2.17	2.17	0	%100
49	M157	X	2.232	2.232	0	%100
50	M157	Z	1.289	1.289	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	.607	.607	0	%100
52	M158	Z	.351	.351	0	%100
53	M159	X	.607	.607	0	%100
54	M159	Z	.351	.351	0	%100
55	M160	X	.902	.902	0	%100
56	M160	Z	.521	.521	0	%100
57	M163	X	2.652	2.652	0	%100
58	M163	Z	1.531	1.531	0	%100
59	M164	X	.663	.663	0	%100
60	M164	Z	.383	.383	0	%100
61	M168	X	2.66	2.66	0	%100
62	M168	Z	1.536	1.536	0	%100
63	M169	X	3.601	3.601	0	%100
64	M169	Z	2.079	2.079	0	%100
65	M171	X	3.759	3.759	0	%100
66	M171	Z	2.17	2.17	0	%100
67	M173	X	2.66	2.66	0	%100
68	M173	Z	1.536	1.536	0	%100
69	M174	X	.9	.9	0	%100
70	M174	Z	.52	.52	0	%100
71	M176	X	.94	.94	0	%100
72	M176	Z	.543	.543	0	%100
73	M181	X	.698	.698	0	%100
74	M181	Z	.403	.403	0	%100
75	M106	X	.698	.698	0	%100
76	M106	Z	.403	.403	0	%100
77	M108	X	2.793	2.793	0	%100
78	M108	Z	1.613	1.613	0	%100
79	M84	X	.698	.698	0	%100
80	M84	Z	.403	.403	0	%100
81	M88	X	.698	.698	0	%100
82	M88	Z	.403	.403	0	%100
83	M89	X	2.793	2.793	0	%100
84	M89	Z	1.613	1.613	0	%100
85	MP1A	X	2.248	2.248	0	%100
86	MP1A	Z	1.298	1.298	0	%100
87	MP2A	X	2.248	2.248	0	%100
88	MP2A	Z	1.298	1.298	0	%100
89	MP3A	X	2.248	2.248	0	%100
90	MP3A	Z	1.298	1.298	0	%100
91	MP4A	X	2.248	2.248	0	%100
92	MP4A	Z	1.298	1.298	0	%100
93	MP1C	X	2.248	2.248	0	%100
94	MP1C	Z	1.298	1.298	0	%100
95	MP2C	X	2.248	2.248	0	%100
96	MP2C	Z	1.298	1.298	0	%100
97	MP3C	X	2.248	2.248	0	%100
98	MP3C	Z	1.298	1.298	0	%100
99	MP4C	X	2.248	2.248	0	%100
100	MP4C	Z	1.298	1.298	0	%100
101	MP1B	X	2.248	2.248	0	%100
102	MP1B	Z	1.298	1.298	0	%100
103	MP2B	X	2.248	2.248	0	%100
104	MP2B	Z	1.298	1.298	0	%100
105	MP3B	X	2.248	2.248	0	%100
106	MP3B	Z	1.298	1.298	0	%100
107	MP4B	X	2.248	2.248	0	%100
108	MP4B	Z	1.298	1.298	0	%100
109	M121A	X	.53	.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	.306	.306	0	%100
111	M122A	X	2.119	2.119	0	%100
112	M122A	Z	1.224	1.224	0	%100
113	M123A	X	.53	.53	0	%100
114	M123A	Z	.306	.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	.43	.43	0	%100
2	M101	Z	.744	.744	0	%100
3	M102	X	1.052	1.052	0	%100
4	M102	Z	1.822	1.822	0	%100
5	M111	X	1.052	1.052	0	%100
6	M111	Z	1.822	1.822	0	%100
7	M112	X	1.562	1.562	0	%100
8	M112	Z	2.706	2.706	0	%100
9	M115	X	1.148	1.148	0	%100
10	M115	Z	1.989	1.989	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	.512	.512	0	%100
14	M120	Z	.887	.887	0	%100
15	M121	X	1.559	1.559	0	%100
16	M121	Z	2.701	2.701	0	%100
17	M123	X	1.628	1.628	0	%100
18	M123	Z	2.819	2.819	0	%100
19	M125	X	.512	.512	0	%100
20	M125	Z	.887	.887	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	.43	.43	0	%100
26	M133	Z	.744	.744	0	%100
27	M134	X	1.052	1.052	0	%100
28	M134	Z	1.822	1.822	0	%100
29	M135	X	1.052	1.052	0	%100
30	M135	Z	1.822	1.822	0	%100
31	M136	X	1.562	1.562	0	%100
32	M136	Z	2.706	2.706	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	1.148	1.148	0	%100
36	M140	Z	1.989	1.989	0	%100
37	M144	X	.512	.512	0	%100
38	M144	Z	.887	.887	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	.512	.512	0	%100
44	M149	Z	.887	.887	0	%100
45	M150	X	1.559	1.559	0	%100
46	M150	Z	2.701	2.701	0	%100
47	M152	X	1.628	1.628	0	%100
48	M152	Z	2.819	2.819	0	%100
49	M157	X	1.718	1.718	0	%100
50	M157	Z	2.976	2.976	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	1.148	1.148	0	%100
58	M163	Z	1.989	1.989	0	%100
59	M164	X	1.148	1.148	0	%100
60	M164	Z	1.989	1.989	0	%100
61	M168	X	2.048	2.048	0	%100
62	M168	Z	3.547	3.547	0	%100
63	M169	X	1.559	1.559	0	%100
64	M169	Z	2.701	2.701	0	%100
65	M171	X	1.628	1.628	0	%100
66	M171	Z	2.819	2.819	0	%100
67	M173	X	2.048	2.048	0	%100
68	M173	Z	3.547	3.547	0	%100
69	M174	X	1.559	1.559	0	%100
70	M174	Z	2.701	2.701	0	%100
71	M176	X	1.628	1.628	0	%100
72	M176	Z	2.819	2.819	0	%100
73	M181	X	1.209	1.209	0	%100
74	M181	Z	2.095	2.095	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	1.209	1.209	0	%100
78	M108	Z	2.095	2.095	0	%100
79	M84	X	1.209	1.209	0	%100
80	M84	Z	2.095	2.095	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	1.209	1.209	0	%100
84	M89	Z	2.095	2.095	0	%100
85	MP1A	X	1.298	1.298	0	%100
86	MP1A	Z	2.248	2.248	0	%100
87	MP2A	X	1.298	1.298	0	%100
88	MP2A	Z	2.248	2.248	0	%100
89	MP3A	X	1.298	1.298	0	%100
90	MP3A	Z	2.248	2.248	0	%100
91	MP4A	X	1.298	1.298	0	%100
92	MP4A	Z	2.248	2.248	0	%100
93	MP1C	X	1.298	1.298	0	%100
94	MP1C	Z	2.248	2.248	0	%100
95	MP2C	X	1.298	1.298	0	%100
96	MP2C	Z	2.248	2.248	0	%100
97	MP3C	X	1.298	1.298	0	%100
98	MP3C	Z	2.248	2.248	0	%100
99	MP4C	X	1.298	1.298	0	%100
100	MP4C	Z	2.248	2.248	0	%100
101	MP1B	X	1.298	1.298	0	%100
102	MP1B	Z	2.248	2.248	0	%100
103	MP2B	X	1.298	1.298	0	%100
104	MP2B	Z	2.248	2.248	0	%100
105	MP3B	X	1.298	1.298	0	%100
106	MP3B	Z	2.248	2.248	0	%100
107	MP4B	X	1.298	1.298	0	%100
108	MP4B	Z	2.248	2.248	0	%100
109	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	.918	.918	0	%100
112	M122A	Z	1.59	1.59	0	%100
113	M123A	X	.918	.918	0	%100
114	M123A	Z	1.59	1.59	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	2.577	2.577	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	.701	.701	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	.701	.701	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	1.041	1.041	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	3.062	3.062	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	.765	.765	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	3.072	3.072	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	4.158	4.158	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	4.34	4.34	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	3.072	3.072	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	1.04	1.04	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	1.085	1.085	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	2.805	2.805	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	2.805	2.805	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	4.166	4.166	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	.765	.765	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	.765	.765	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	1.04	1.04	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	1.085	1.085	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	1.04	1.04	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	1.085	1.085	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	2.577	2.577	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	.701	.701	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	.701	.701	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	1.041	1.041	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	.765	.765	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	3.062	3.062	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	3.072	3.072	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	1.04	1.04	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	1.085	1.085	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	3.072	3.072	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	4.158	4.158	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	4.34	4.34	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	3.225	3.225	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	.806	.806	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	.806	.806	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	3.225	3.225	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	.806	.806	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	.806	.806	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	2.596	2.596	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	2.596	2.596	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	2.596	2.596	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	2.596	2.596	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	2.596	2.596	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	2.596	2.596	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	2.596	2.596	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	2.596	2.596	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	2.596	2.596	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	2.596	2.596	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	2.596	2.596	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	2.596	2.596	0	%100
109	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	.612	.612	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	.612	.612	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	2.447	2.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-1.718	-1.718	0	%100
2	M101	Z	2.976	2.976	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	-1.148	-1.148	0	%100
10	M115	Z	1.989	1.989	0	%100
11	M116	X	-1.148	-1.148	0	%100
12	M116	Z	1.989	1.989	0	%100
13	M120	X	-2.048	-2.048	0	%100
14	M120	Z	3.547	3.547	0	%100
15	M121	X	-1.559	-1.559	0	%100
16	M121	Z	2.701	2.701	0	%100
17	M123	X	-1.628	-1.628	0	%100
18	M123	Z	2.819	2.819	0	%100
19	M125	X	-2.048	-2.048	0	%100
20	M125	Z	3.547	3.547	0	%100
21	M126	X	-1.559	-1.559	0	%100
22	M126	Z	2.701	2.701	0	%100
23	M128	X	-1.628	-1.628	0	%100
24	M128	Z	2.819	2.819	0	%100
25	M133	X	-.43	-.43	0	%100
26	M133	Z	.744	.744	0	%100
27	M134	X	-1.052	-1.052	0	%100
28	M134	Z	1.822	1.822	0	%100
29	M135	X	-1.052	-1.052	0	%100
30	M135	Z	1.822	1.822	0	%100
31	M136	X	-1.562	-1.562	0	%100
32	M136	Z	2.706	2.706	0	%100
33	M139	X	-1.148	-1.148	0	%100
34	M139	Z	1.989	1.989	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-.512	-.512	0	%100
38	M144	Z	.887	.887	0	%100
39	M145	X	-1.559	-1.559	0	%100
40	M145	Z	2.701	2.701	0	%100
41	M147	X	-1.628	-1.628	0	%100
42	M147	Z	2.819	2.819	0	%100
43	M149	X	-.512	-.512	0	%100
44	M149	Z	.887	.887	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-.43	-.43	0	%100
50	M157	Z	.744	.744	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-1.052	-1.052	0	%100
52	M158	Z	1.822	1.822	0	%100
53	M159	X	-1.052	-1.052	0	%100
54	M159	Z	1.822	1.822	0	%100
55	M160	X	-1.562	-1.562	0	%100
56	M160	Z	2.706	2.706	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	-1.148	-1.148	0	%100
60	M164	Z	1.989	1.989	0	%100
61	M168	X	-.512	-.512	0	%100
62	M168	Z	.887	.887	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-.512	-.512	0	%100
68	M173	Z	.887	.887	0	%100
69	M174	X	-1.559	-1.559	0	%100
70	M174	Z	2.701	2.701	0	%100
71	M176	X	-1.628	-1.628	0	%100
72	M176	Z	2.819	2.819	0	%100
73	M181	X	-1.209	-1.209	0	%100
74	M181	Z	2.095	2.095	0	%100
75	M106	X	-1.209	-1.209	0	%100
76	M106	Z	2.095	2.095	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	-1.209	-1.209	0	%100
80	M84	Z	2.095	2.095	0	%100
81	M88	X	-1.209	-1.209	0	%100
82	M88	Z	2.095	2.095	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-1.298	-1.298	0	%100
86	MP1A	Z	2.248	2.248	0	%100
87	MP2A	X	-1.298	-1.298	0	%100
88	MP2A	Z	2.248	2.248	0	%100
89	MP3A	X	-1.298	-1.298	0	%100
90	MP3A	Z	2.248	2.248	0	%100
91	MP4A	X	-1.298	-1.298	0	%100
92	MP4A	Z	2.248	2.248	0	%100
93	MP1C	X	-1.298	-1.298	0	%100
94	MP1C	Z	2.248	2.248	0	%100
95	MP2C	X	-1.298	-1.298	0	%100
96	MP2C	Z	2.248	2.248	0	%100
97	MP3C	X	-1.298	-1.298	0	%100
98	MP3C	Z	2.248	2.248	0	%100
99	MP4C	X	-1.298	-1.298	0	%100
100	MP4C	Z	2.248	2.248	0	%100
101	MP1B	X	-1.298	-1.298	0	%100
102	MP1B	Z	2.248	2.248	0	%100
103	MP2B	X	-1.298	-1.298	0	%100
104	MP2B	Z	2.248	2.248	0	%100
105	MP3B	X	-1.298	-1.298	0	%100
106	MP3B	Z	2.248	2.248	0	%100
107	MP4B	X	-1.298	-1.298	0	%100
108	MP4B	Z	2.248	2.248	0	%100
109	M121A	X	-.918	-.918	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	1.59	1.59	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	-.918	-.918	0	%100
114	M123A	Z	1.59	1.59	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-2.232	-2.232	0	%100
2	M101	Z	1.289	1.289	0	%100
3	M102	X	-.607	-.607	0	%100
4	M102	Z	.351	.351	0	%100
5	M111	X	-.607	-.607	0	%100
6	M111	Z	.351	.351	0	%100
7	M112	X	-.902	-.902	0	%100
8	M112	Z	.521	.521	0	%100
9	M115	X	-.663	-.663	0	%100
10	M115	Z	.383	.383	0	%100
11	M116	X	-2.652	-2.652	0	%100
12	M116	Z	1.531	1.531	0	%100
13	M120	X	-2.66	-2.66	0	%100
14	M120	Z	1.536	1.536	0	%100
15	M121	X	-.9	-.9	0	%100
16	M121	Z	.52	.52	0	%100
17	M123	X	-.94	-.94	0	%100
18	M123	Z	.543	.543	0	%100
19	M125	X	-2.66	-2.66	0	%100
20	M125	Z	1.536	1.536	0	%100
21	M126	X	-3.601	-3.601	0	%100
22	M126	Z	2.079	2.079	0	%100
23	M128	X	-3.759	-3.759	0	%100
24	M128	Z	2.17	2.17	0	%100
25	M133	X	-2.232	-2.232	0	%100
26	M133	Z	1.289	1.289	0	%100
27	M134	X	-.607	-.607	0	%100
28	M134	Z	.351	.351	0	%100
29	M135	X	-.607	-.607	0	%100
30	M135	Z	.351	.351	0	%100
31	M136	X	-.902	-.902	0	%100
32	M136	Z	.521	.521	0	%100
33	M139	X	-2.652	-2.652	0	%100
34	M139	Z	1.531	1.531	0	%100
35	M140	X	-.663	-.663	0	%100
36	M140	Z	.383	.383	0	%100
37	M144	X	-2.66	-2.66	0	%100
38	M144	Z	1.536	1.536	0	%100
39	M145	X	-3.601	-3.601	0	%100
40	M145	Z	2.079	2.079	0	%100
41	M147	X	-3.759	-3.759	0	%100
42	M147	Z	2.17	2.17	0	%100
43	M149	X	-2.66	-2.66	0	%100
44	M149	Z	1.536	1.536	0	%100
45	M150	X	-.9	-.9	0	%100
46	M150	Z	.52	.52	0	%100
47	M152	X	-.94	-.94	0	%100
48	M152	Z	.543	.543	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-2.429	-2.429	0	%100
52	M158	Z	1.402	1.402	0	%100
53	M159	X	-2.429	-2.429	0	%100
54	M159	Z	1.402	1.402	0	%100
55	M160	X	-3.608	-3.608	0	%100
56	M160	Z	2.083	2.083	0	%100
57	M163	X	-.663	-.663	0	%100
58	M163	Z	.383	.383	0	%100
59	M164	X	-.663	-.663	0	%100
60	M164	Z	.383	.383	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-.9	-.9	0	%100
64	M169	Z	.52	.52	0	%100
65	M171	X	-.94	-.94	0	%100
66	M171	Z	.543	.543	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	-.9	-.9	0	%100
70	M174	Z	.52	.52	0	%100
71	M176	X	-.94	-.94	0	%100
72	M176	Z	.543	.543	0	%100
73	M181	X	-.698	-.698	0	%100
74	M181	Z	.403	.403	0	%100
75	M106	X	-2.793	-2.793	0	%100
76	M106	Z	1.613	1.613	0	%100
77	M108	X	-.698	-.698	0	%100
78	M108	Z	.403	.403	0	%100
79	M84	X	-.698	-.698	0	%100
80	M84	Z	.403	.403	0	%100
81	M88	X	-2.793	-2.793	0	%100
82	M88	Z	1.613	1.613	0	%100
83	M89	X	-.698	-.698	0	%100
84	M89	Z	.403	.403	0	%100
85	MP1A	X	-2.248	-2.248	0	%100
86	MP1A	Z	1.298	1.298	0	%100
87	MP2A	X	-2.248	-2.248	0	%100
88	MP2A	Z	1.298	1.298	0	%100
89	MP3A	X	-2.248	-2.248	0	%100
90	MP3A	Z	1.298	1.298	0	%100
91	MP4A	X	-2.248	-2.248	0	%100
92	MP4A	Z	1.298	1.298	0	%100
93	MP1C	X	-2.248	-2.248	0	%100
94	MP1C	Z	1.298	1.298	0	%100
95	MP2C	X	-2.248	-2.248	0	%100
96	MP2C	Z	1.298	1.298	0	%100
97	MP3C	X	-2.248	-2.248	0	%100
98	MP3C	Z	1.298	1.298	0	%100
99	MP4C	X	-2.248	-2.248	0	%100
100	MP4C	Z	1.298	1.298	0	%100
101	MP1B	X	-2.248	-2.248	0	%100
102	MP1B	Z	1.298	1.298	0	%100
103	MP2B	X	-2.248	-2.248	0	%100
104	MP2B	Z	1.298	1.298	0	%100
105	MP3B	X	-2.248	-2.248	0	%100
106	MP3B	Z	1.298	1.298	0	%100
107	MP4B	X	-2.248	-2.248	0	%100
108	MP4B	Z	1.298	1.298	0	%100
109	M121A	X	-2.119	-2.119	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	1.224	1.224	0	%100
111	M122A	X	-.53	-.53	0	%100
112	M122A	Z	.306	.306	0	%100
113	M123A	X	-.53	-.53	0	%100
114	M123A	Z	.306	.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-.859	-.859	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-2.104	-2.104	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	-2.104	-2.104	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	-3.124	-3.124	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	-2.296	-2.296	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-1.024	-1.024	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	-1.024	-1.024	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-3.119	-3.119	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	-3.255	-3.255	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-3.436	-3.436	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	-2.296	-2.296	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-2.296	-2.296	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-4.096	-4.096	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	-3.119	-3.119	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	-3.255	-3.255	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-4.096	-4.096	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	-3.119	-3.119	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	-3.255	-3.255	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-.859	-.859	0	%100
50	M157	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-2.104	-2.104	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	-2.104	-2.104	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	-3.124	-3.124	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	-2.296	-2.296	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	-1.024	-1.024	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-3.119	-3.119	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	-3.255	-3.255	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-1.024	-1.024	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	-2.419	-2.419	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-2.419	-2.419	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	-2.419	-2.419	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-2.419	-2.419	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-2.596	-2.596	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-2.596	-2.596	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	-2.596	-2.596	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	-2.596	-2.596	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	-2.596	-2.596	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	-2.596	-2.596	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	-2.596	-2.596	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	-2.596	-2.596	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	-2.596	-2.596	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	-2.596	-2.596	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	-2.596	-2.596	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-2.596	-2.596	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	-1.836	-1.836	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	-1.836	-1.836	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-2.429	-2.429	0	%100
4	M102	Z	-1.402	-1.402	0	%100
5	M111	X	-2.429	-2.429	0	%100
6	M111	Z	-1.402	-1.402	0	%100
7	M112	X	-3.608	-3.608	0	%100
8	M112	Z	-2.083	-2.083	0	%100
9	M115	X	-.663	-.663	0	%100
10	M115	Z	-.383	-.383	0	%100
11	M116	X	-.663	-.663	0	%100
12	M116	Z	-.383	-.383	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	-.9	-.9	0	%100
16	M121	Z	-.52	-.52	0	%100
17	M123	X	-.94	-.94	0	%100
18	M123	Z	-.543	-.543	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-.9	-.9	0	%100
22	M126	Z	-.52	-.52	0	%100
23	M128	X	-.94	-.94	0	%100
24	M128	Z	-.543	-.543	0	%100
25	M133	X	-2.232	-2.232	0	%100
26	M133	Z	-1.289	-1.289	0	%100
27	M134	X	-.607	-.607	0	%100
28	M134	Z	-.351	-.351	0	%100
29	M135	X	-.607	-.607	0	%100
30	M135	Z	-.351	-.351	0	%100
31	M136	X	-.902	-.902	0	%100
32	M136	Z	-.521	-.521	0	%100
33	M139	X	-.663	-.663	0	%100
34	M139	Z	-.383	-.383	0	%100
35	M140	X	-2.652	-2.652	0	%100
36	M140	Z	-1.531	-1.531	0	%100
37	M144	X	-2.66	-2.66	0	%100
38	M144	Z	-1.536	-1.536	0	%100
39	M145	X	-.9	-.9	0	%100
40	M145	Z	-.52	-.52	0	%100
41	M147	X	-.94	-.94	0	%100
42	M147	Z	-.543	-.543	0	%100
43	M149	X	-2.66	-2.66	0	%100
44	M149	Z	-1.536	-1.536	0	%100
45	M150	X	-3.601	-3.601	0	%100
46	M150	Z	-2.079	-2.079	0	%100
47	M152	X	-3.759	-3.759	0	%100
48	M152	Z	-2.17	-2.17	0	%100
49	M157	X	-2.232	-2.232	0	%100
50	M157	Z	-1.289	-1.289	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-.607	-.607	0	%100
52	M158	Z	-.351	-.351	0	%100
53	M159	X	-.607	-.607	0	%100
54	M159	Z	-.351	-.351	0	%100
55	M160	X	-.902	-.902	0	%100
56	M160	Z	-.521	-.521	0	%100
57	M163	X	-2.652	-2.652	0	%100
58	M163	Z	-1.531	-1.531	0	%100
59	M164	X	-.663	-.663	0	%100
60	M164	Z	-.383	-.383	0	%100
61	M168	X	-2.66	-2.66	0	%100
62	M168	Z	-1.536	-1.536	0	%100
63	M169	X	-3.601	-3.601	0	%100
64	M169	Z	-2.079	-2.079	0	%100
65	M171	X	-3.759	-3.759	0	%100
66	M171	Z	-2.17	-2.17	0	%100
67	M173	X	-2.66	-2.66	0	%100
68	M173	Z	-1.536	-1.536	0	%100
69	M174	X	-.9	-.9	0	%100
70	M174	Z	-.52	-.52	0	%100
71	M176	X	-.94	-.94	0	%100
72	M176	Z	-.543	-.543	0	%100
73	M181	X	-.698	-.698	0	%100
74	M181	Z	-.403	-.403	0	%100
75	M106	X	-.698	-.698	0	%100
76	M106	Z	-.403	-.403	0	%100
77	M108	X	-2.793	-2.793	0	%100
78	M108	Z	-1.613	-1.613	0	%100
79	M84	X	-.698	-.698	0	%100
80	M84	Z	-.403	-.403	0	%100
81	M88	X	-.698	-.698	0	%100
82	M88	Z	-.403	-.403	0	%100
83	M89	X	-2.793	-2.793	0	%100
84	M89	Z	-1.613	-1.613	0	%100
85	MP1A	X	-2.248	-2.248	0	%100
86	MP1A	Z	-1.298	-1.298	0	%100
87	MP2A	X	-2.248	-2.248	0	%100
88	MP2A	Z	-1.298	-1.298	0	%100
89	MP3A	X	-2.248	-2.248	0	%100
90	MP3A	Z	-1.298	-1.298	0	%100
91	MP4A	X	-2.248	-2.248	0	%100
92	MP4A	Z	-1.298	-1.298	0	%100
93	MP1C	X	-2.248	-2.248	0	%100
94	MP1C	Z	-1.298	-1.298	0	%100
95	MP2C	X	-2.248	-2.248	0	%100
96	MP2C	Z	-1.298	-1.298	0	%100
97	MP3C	X	-2.248	-2.248	0	%100
98	MP3C	Z	-1.298	-1.298	0	%100
99	MP4C	X	-2.248	-2.248	0	%100
100	MP4C	Z	-1.298	-1.298	0	%100
101	MP1B	X	-2.248	-2.248	0	%100
102	MP1B	Z	-1.298	-1.298	0	%100
103	MP2B	X	-2.248	-2.248	0	%100
104	MP2B	Z	-1.298	-1.298	0	%100
105	MP3B	X	-2.248	-2.248	0	%100
106	MP3B	Z	-1.298	-1.298	0	%100
107	MP4B	X	-2.248	-2.248	0	%100
108	MP4B	Z	-1.298	-1.298	0	%100
109	M121A	X	-.53	-.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-.306	-.306	0	%100
111	M122A	X	-2.119	-2.119	0	%100
112	M122A	Z	-1.224	-1.224	0	%100
113	M123A	X	-.53	-.53	0	%100
114	M123A	Z	-.306	-.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-.43	-.43	0	%100
2	M101	Z	-.744	-.744	0	%100
3	M102	X	-1.052	-1.052	0	%100
4	M102	Z	-1.822	-1.822	0	%100
5	M111	X	-1.052	-1.052	0	%100
6	M111	Z	-1.822	-1.822	0	%100
7	M112	X	-1.562	-1.562	0	%100
8	M112	Z	-2.706	-2.706	0	%100
9	M115	X	-1.148	-1.148	0	%100
10	M115	Z	-1.989	-1.989	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-.512	-.512	0	%100
14	M120	Z	-.887	-.887	0	%100
15	M121	X	-1.559	-1.559	0	%100
16	M121	Z	-2.701	-2.701	0	%100
17	M123	X	-1.628	-1.628	0	%100
18	M123	Z	-2.819	-2.819	0	%100
19	M125	X	-.512	-.512	0	%100
20	M125	Z	-.887	-.887	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-.43	-.43	0	%100
26	M133	Z	-.744	-.744	0	%100
27	M134	X	-1.052	-1.052	0	%100
28	M134	Z	-1.822	-1.822	0	%100
29	M135	X	-1.052	-1.052	0	%100
30	M135	Z	-1.822	-1.822	0	%100
31	M136	X	-1.562	-1.562	0	%100
32	M136	Z	-2.706	-2.706	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-1.148	-1.148	0	%100
36	M140	Z	-1.989	-1.989	0	%100
37	M144	X	-.512	-.512	0	%100
38	M144	Z	-.887	-.887	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-.512	-.512	0	%100
44	M149	Z	-.887	-.887	0	%100
45	M150	X	-1.559	-1.559	0	%100
46	M150	Z	-2.701	-2.701	0	%100
47	M152	X	-1.628	-1.628	0	%100
48	M152	Z	-2.819	-2.819	0	%100
49	M157	X	-1.718	-1.718	0	%100
50	M157	Z	-2.976	-2.976	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	-1.148	-1.148	0	%100
58	M163	Z	-1.989	-1.989	0	%100
59	M164	X	-1.148	-1.148	0	%100
60	M164	Z	-1.989	-1.989	0	%100
61	M168	X	-2.048	-2.048	0	%100
62	M168	Z	-3.547	-3.547	0	%100
63	M169	X	-1.559	-1.559	0	%100
64	M169	Z	-2.701	-2.701	0	%100
65	M171	X	-1.628	-1.628	0	%100
66	M171	Z	-2.819	-2.819	0	%100
67	M173	X	-2.048	-2.048	0	%100
68	M173	Z	-3.547	-3.547	0	%100
69	M174	X	-1.559	-1.559	0	%100
70	M174	Z	-2.701	-2.701	0	%100
71	M176	X	-1.628	-1.628	0	%100
72	M176	Z	-2.819	-2.819	0	%100
73	M181	X	-1.209	-1.209	0	%100
74	M181	Z	-2.095	-2.095	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-1.209	-1.209	0	%100
78	M108	Z	-2.095	-2.095	0	%100
79	M84	X	-1.209	-1.209	0	%100
80	M84	Z	-2.095	-2.095	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-1.209	-1.209	0	%100
84	M89	Z	-2.095	-2.095	0	%100
85	MP1A	X	-1.298	-1.298	0	%100
86	MP1A	Z	-2.248	-2.248	0	%100
87	MP2A	X	-1.298	-1.298	0	%100
88	MP2A	Z	-2.248	-2.248	0	%100
89	MP3A	X	-1.298	-1.298	0	%100
90	MP3A	Z	-2.248	-2.248	0	%100
91	MP4A	X	-1.298	-1.298	0	%100
92	MP4A	Z	-2.248	-2.248	0	%100
93	MP1C	X	-1.298	-1.298	0	%100
94	MP1C	Z	-2.248	-2.248	0	%100
95	MP2C	X	-1.298	-1.298	0	%100
96	MP2C	Z	-2.248	-2.248	0	%100
97	MP3C	X	-1.298	-1.298	0	%100
98	MP3C	Z	-2.248	-2.248	0	%100
99	MP4C	X	-1.298	-1.298	0	%100
100	MP4C	Z	-2.248	-2.248	0	%100
101	MP1B	X	-1.298	-1.298	0	%100
102	MP1B	Z	-2.248	-2.248	0	%100
103	MP2B	X	-1.298	-1.298	0	%100
104	MP2B	Z	-2.248	-2.248	0	%100
105	MP3B	X	-1.298	-1.298	0	%100
106	MP3B	Z	-2.248	-2.248	0	%100
107	MP4B	X	-1.298	-1.298	0	%100
108	MP4B	Z	-2.248	-2.248	0	%100
109	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	-.918	-.918	0	%100
112	M122A	Z	-1.59	-1.59	0	%100
113	M123A	X	-.918	-.918	0	%100
114	M123A	Z	-1.59	-1.59	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	-.586	-.586	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	-.165	-.165	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	-.165	-.165	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	-.302	-.302	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	-.671	-.671	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	-.168	-.168	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	-.906	-.906	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	-1.231	-1.231	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	-1.297	-1.297	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	-.906	-.906	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	-.308	-.308	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	-.324	-.324	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	-.659	-.659	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	-.659	-.659	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	-1.209	-1.209	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	-.168	-.168	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	-.168	-.168	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	-.308	-.308	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	-.324	-.324	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	-.308	-.308	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	-.324	-.324	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	-.586	-.586	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	-.165	-.165	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	-.165	-.165	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	-.302	-.302	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	-.168	-.168	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	-.671	-.671	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	-.906	-.906	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	-.308	-.308	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	-.324	-.324	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	-.906	-.906	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	-1.231	-1.231	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	-1.297	-1.297	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	-.705	-.705	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	-.176	-.176	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	-.176	-.176	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	-.705	-.705	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	-.176	-.176	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	-.176	-.176	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-.478	-.478	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-.478	-.478	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-.478	-.478	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-.478	-.478	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-.478	-.478	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-.478	-.478	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-.478	-.478	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	-.478	-.478	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.478	-.478	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-.478	-.478	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-.478	-.478	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-.478	-.478	0	%100
109	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-.144	-.144	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	-.144	-.144	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	-.576	-.576	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	.391	.391	0	%100
2	M101	Z	-.676	-.676	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	.252	.252	0	%100
10	M115	Z	-.436	-.436	0	%100
11	M116	X	.252	.252	0	%100
12	M116	Z	-.436	-.436	0	%100
13	M120	X	.604	.604	0	%100
14	M120	Z	-1.047	-1.047	0	%100
15	M121	X	.462	.462	0	%100
16	M121	Z	-.8	-.8	0	%100
17	M123	X	.486	.486	0	%100
18	M123	Z	-.842	-.842	0	%100
19	M125	X	.604	.604	0	%100
20	M125	Z	-1.047	-1.047	0	%100
21	M126	X	.462	.462	0	%100
22	M126	Z	-.8	-.8	0	%100
23	M128	X	.486	.486	0	%100
24	M128	Z	-.842	-.842	0	%100
25	M133	X	.098	.098	0	%100
26	M133	Z	-.169	-.169	0	%100
27	M134	X	.247	.247	0	%100
28	M134	Z	-.428	-.428	0	%100
29	M135	X	.247	.247	0	%100
30	M135	Z	-.428	-.428	0	%100
31	M136	X	.453	.453	0	%100
32	M136	Z	-.785	-.785	0	%100
33	M139	X	.252	.252	0	%100
34	M139	Z	-.436	-.436	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	.151	.151	0	%100
38	M144	Z	-.262	-.262	0	%100
39	M145	X	.462	.462	0	%100
40	M145	Z	-.8	-.8	0	%100
41	M147	X	.486	.486	0	%100
42	M147	Z	-.842	-.842	0	%100
43	M149	X	.151	.151	0	%100
44	M149	Z	-.262	-.262	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	.098	.098	0	%100
50	M157	Z	-.169	-.169	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	.247	.247	0	%100
52	M158	Z	-.428	-.428	0	%100
53	M159	X	.247	.247	0	%100
54	M159	Z	-.428	-.428	0	%100
55	M160	X	.453	.453	0	%100
56	M160	Z	-.785	-.785	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	.252	.252	0	%100
60	M164	Z	-.436	-.436	0	%100
61	M168	X	.151	.151	0	%100
62	M168	Z	-.262	-.262	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	.151	.151	0	%100
68	M173	Z	-.262	-.262	0	%100
69	M174	X	.462	.462	0	%100
70	M174	Z	-.8	-.8	0	%100
71	M176	X	.486	.486	0	%100
72	M176	Z	-.842	-.842	0	%100
73	M181	X	.264	.264	0	%100
74	M181	Z	-.458	-.458	0	%100
75	M106	X	.264	.264	0	%100
76	M106	Z	-.458	-.458	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	.264	.264	0	%100
80	M84	Z	-.458	-.458	0	%100
81	M88	X	.264	.264	0	%100
82	M88	Z	-.458	-.458	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	.239	.239	0	%100
86	MP1A	Z	-.414	-.414	0	%100
87	MP2A	X	.239	.239	0	%100
88	MP2A	Z	-.414	-.414	0	%100
89	MP3A	X	.239	.239	0	%100
90	MP3A	Z	-.414	-.414	0	%100
91	MP4A	X	.239	.239	0	%100
92	MP4A	Z	-.414	-.414	0	%100
93	MP1C	X	.239	.239	0	%100
94	MP1C	Z	-.414	-.414	0	%100
95	MP2C	X	.239	.239	0	%100
96	MP2C	Z	-.414	-.414	0	%100
97	MP3C	X	.239	.239	0	%100
98	MP3C	Z	-.414	-.414	0	%100
99	MP4C	X	.239	.239	0	%100
100	MP4C	Z	-.414	-.414	0	%100
101	MP1B	X	.239	.239	0	%100
102	MP1B	Z	-.414	-.414	0	%100
103	MP2B	X	.239	.239	0	%100
104	MP2B	Z	-.414	-.414	0	%100
105	MP3B	X	.239	.239	0	%100
106	MP3B	Z	-.414	-.414	0	%100
107	MP4B	X	.239	.239	0	%100
108	MP4B	Z	-.414	-.414	0	%100
109	M121A	X	.216	.216	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-.374	-.374	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	.216	.216	0	%100
114	M123A	Z	-.374	-.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	.507	.507	0	%100
2	M101	Z	-.293	-.293	0	%100
3	M102	X	.143	.143	0	%100
4	M102	Z	-.082	-.082	0	%100
5	M111	X	.143	.143	0	%100
6	M111	Z	-.082	-.082	0	%100
7	M112	X	.262	.262	0	%100
8	M112	Z	-.151	-.151	0	%100
9	M115	X	.145	.145	0	%100
10	M115	Z	-.084	-.084	0	%100
11	M116	X	.581	.581	0	%100
12	M116	Z	-.336	-.336	0	%100
13	M120	X	.785	.785	0	%100
14	M120	Z	-.453	-.453	0	%100
15	M121	X	.267	.267	0	%100
16	M121	Z	-.154	-.154	0	%100
17	M123	X	.281	.281	0	%100
18	M123	Z	-.162	-.162	0	%100
19	M125	X	.785	.785	0	%100
20	M125	Z	-.453	-.453	0	%100
21	M126	X	1.066	1.066	0	%100
22	M126	Z	-.615	-.615	0	%100
23	M128	X	1.123	1.123	0	%100
24	M128	Z	-.648	-.648	0	%100
25	M133	X	.507	.507	0	%100
26	M133	Z	-.293	-.293	0	%100
27	M134	X	.143	.143	0	%100
28	M134	Z	-.082	-.082	0	%100
29	M135	X	.143	.143	0	%100
30	M135	Z	-.082	-.082	0	%100
31	M136	X	.262	.262	0	%100
32	M136	Z	-.151	-.151	0	%100
33	M139	X	.581	.581	0	%100
34	M139	Z	-.336	-.336	0	%100
35	M140	X	.145	.145	0	%100
36	M140	Z	-.084	-.084	0	%100
37	M144	X	.785	.785	0	%100
38	M144	Z	-.453	-.453	0	%100
39	M145	X	1.066	1.066	0	%100
40	M145	Z	-.615	-.615	0	%100
41	M147	X	1.123	1.123	0	%100
42	M147	Z	-.648	-.648	0	%100
43	M149	X	.785	.785	0	%100
44	M149	Z	-.453	-.453	0	%100
45	M150	X	.267	.267	0	%100
46	M150	Z	-.154	-.154	0	%100
47	M152	X	.281	.281	0	%100
48	M152	Z	-.162	-.162	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	.57	.57	0	%100
52	M158	Z	-.329	-.329	0	%100
53	M159	X	.57	.57	0	%100
54	M159	Z	-.329	-.329	0	%100
55	M160	X	1.047	1.047	0	%100
56	M160	Z	-.604	-.604	0	%100
57	M163	X	.145	.145	0	%100
58	M163	Z	-.084	-.084	0	%100
59	M164	X	.145	.145	0	%100
60	M164	Z	-.084	-.084	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	.267	.267	0	%100
64	M169	Z	-.154	-.154	0	%100
65	M171	X	.281	.281	0	%100
66	M171	Z	-.162	-.162	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	.267	.267	0	%100
70	M174	Z	-.154	-.154	0	%100
71	M176	X	.281	.281	0	%100
72	M176	Z	-.162	-.162	0	%100
73	M181	X	.153	.153	0	%100
74	M181	Z	-.088	-.088	0	%100
75	M106	X	.611	.611	0	%100
76	M106	Z	-.352	-.352	0	%100
77	M108	X	.153	.153	0	%100
78	M108	Z	-.088	-.088	0	%100
79	M84	X	.153	.153	0	%100
80	M84	Z	-.088	-.088	0	%100
81	M88	X	.611	.611	0	%100
82	M88	Z	-.352	-.352	0	%100
83	M89	X	.153	.153	0	%100
84	M89	Z	-.088	-.088	0	%100
85	MP1A	X	.414	.414	0	%100
86	MP1A	Z	-.239	-.239	0	%100
87	MP2A	X	.414	.414	0	%100
88	MP2A	Z	-.239	-.239	0	%100
89	MP3A	X	.414	.414	0	%100
90	MP3A	Z	-.239	-.239	0	%100
91	MP4A	X	.414	.414	0	%100
92	MP4A	Z	-.239	-.239	0	%100
93	MP1C	X	.414	.414	0	%100
94	MP1C	Z	-.239	-.239	0	%100
95	MP2C	X	.414	.414	0	%100
96	MP2C	Z	-.239	-.239	0	%100
97	MP3C	X	.414	.414	0	%100
98	MP3C	Z	-.239	-.239	0	%100
99	MP4C	X	.414	.414	0	%100
100	MP4C	Z	-.239	-.239	0	%100
101	MP1B	X	.414	.414	0	%100
102	MP1B	Z	-.239	-.239	0	%100
103	MP2B	X	.414	.414	0	%100
104	MP2B	Z	-.239	-.239	0	%100
105	MP3B	X	.414	.414	0	%100
106	MP3B	Z	-.239	-.239	0	%100
107	MP4B	X	.414	.414	0	%100
108	MP4B	Z	-.239	-.239	0	%100
109	M121A	X	.499	.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-.288	-.288	0	%100
111	M122A	X	.125	.125	0	%100
112	M122A	Z	-.072	-.072	0	%100
113	M123A	X	.125	.125	0	%100
114	M123A	Z	-.072	-.072	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	.195	.195	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	.494	.494	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	.494	.494	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	.906	.906	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	.503	.503	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	.302	.302	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	.302	.302	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	.923	.923	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	.972	.972	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	.781	.781	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	.503	.503	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	.503	.503	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	1.209	1.209	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	.923	.923	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	.972	.972	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	1.209	1.209	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	.923	.923	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	.972	.972	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	.195	.195	0	%100
50	M157	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	.494	.494	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	.494	.494	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	.906	.906	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	.503	.503	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	.302	.302	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	.923	.923	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	.972	.972	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	.302	.302	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	.529	.529	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	.529	.529	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	.529	.529	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	.529	.529	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	.478	.478	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	.478	.478	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	.478	.478	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	.478	.478	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	.478	.478	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	.478	.478	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	.478	.478	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	.478	.478	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	.478	.478	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	.478	.478	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	.478	.478	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	.478	.478	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	.432	.432	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	.432	.432	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	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,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	.57	.57	0	%100
4	M102	Z	.329	.329	0	%100
5	M111	X	.57	.57	0	%100
6	M111	Z	.329	.329	0	%100
7	M112	X	1.047	1.047	0	%100
8	M112	Z	.604	.604	0	%100
9	M115	X	.145	.145	0	%100
10	M115	Z	.084	.084	0	%100
11	M116	X	.145	.145	0	%100
12	M116	Z	.084	.084	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	.267	.267	0	%100
16	M121	Z	.154	.154	0	%100
17	M123	X	.281	.281	0	%100
18	M123	Z	.162	.162	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	.267	.267	0	%100
22	M126	Z	.154	.154	0	%100
23	M128	X	.281	.281	0	%100
24	M128	Z	.162	.162	0	%100
25	M133	X	.507	.507	0	%100
26	M133	Z	.293	.293	0	%100
27	M134	X	.143	.143	0	%100
28	M134	Z	.082	.082	0	%100
29	M135	X	.143	.143	0	%100
30	M135	Z	.082	.082	0	%100
31	M136	X	.262	.262	0	%100
32	M136	Z	.151	.151	0	%100
33	M139	X	.145	.145	0	%100
34	M139	Z	.084	.084	0	%100
35	M140	X	.581	.581	0	%100
36	M140	Z	.336	.336	0	%100
37	M144	X	.785	.785	0	%100
38	M144	Z	.453	.453	0	%100
39	M145	X	.267	.267	0	%100
40	M145	Z	.154	.154	0	%100
41	M147	X	.281	.281	0	%100
42	M147	Z	.162	.162	0	%100
43	M149	X	.785	.785	0	%100
44	M149	Z	.453	.453	0	%100
45	M150	X	1.066	1.066	0	%100
46	M150	Z	.615	.615	0	%100
47	M152	X	1.123	1.123	0	%100
48	M152	Z	.648	.648	0	%100
49	M157	X	.507	.507	0	%100
50	M157	Z	.293	.293	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	.143	.143	0	%100
52	M158	Z	.082	.082	0	%100
53	M159	X	.143	.143	0	%100
54	M159	Z	.082	.082	0	%100
55	M160	X	.262	.262	0	%100
56	M160	Z	.151	.151	0	%100
57	M163	X	.581	.581	0	%100
58	M163	Z	.336	.336	0	%100
59	M164	X	.145	.145	0	%100
60	M164	Z	.084	.084	0	%100
61	M168	X	.785	.785	0	%100
62	M168	Z	.453	.453	0	%100
63	M169	X	1.066	1.066	0	%100
64	M169	Z	.615	.615	0	%100
65	M171	X	1.123	1.123	0	%100
66	M171	Z	.648	.648	0	%100
67	M173	X	.785	.785	0	%100
68	M173	Z	.453	.453	0	%100
69	M174	X	.267	.267	0	%100
70	M174	Z	.154	.154	0	%100
71	M176	X	.281	.281	0	%100
72	M176	Z	.162	.162	0	%100
73	M181	X	.153	.153	0	%100
74	M181	Z	.088	.088	0	%100
75	M106	X	.153	.153	0	%100
76	M106	Z	.088	.088	0	%100
77	M108	X	.611	.611	0	%100
78	M108	Z	.352	.352	0	%100
79	M84	X	.153	.153	0	%100
80	M84	Z	.088	.088	0	%100
81	M88	X	.153	.153	0	%100
82	M88	Z	.088	.088	0	%100
83	M89	X	.611	.611	0	%100
84	M89	Z	.352	.352	0	%100
85	MP1A	X	.414	.414	0	%100
86	MP1A	Z	.239	.239	0	%100
87	MP2A	X	.414	.414	0	%100
88	MP2A	Z	.239	.239	0	%100
89	MP3A	X	.414	.414	0	%100
90	MP3A	Z	.239	.239	0	%100
91	MP4A	X	.414	.414	0	%100
92	MP4A	Z	.239	.239	0	%100
93	MP1C	X	.414	.414	0	%100
94	MP1C	Z	.239	.239	0	%100
95	MP2C	X	.414	.414	0	%100
96	MP2C	Z	.239	.239	0	%100
97	MP3C	X	.414	.414	0	%100
98	MP3C	Z	.239	.239	0	%100
99	MP4C	X	.414	.414	0	%100
100	MP4C	Z	.239	.239	0	%100
101	MP1B	X	.414	.414	0	%100
102	MP1B	Z	.239	.239	0	%100
103	MP2B	X	.414	.414	0	%100
104	MP2B	Z	.239	.239	0	%100
105	MP3B	X	.414	.414	0	%100
106	MP3B	Z	.239	.239	0	%100
107	MP4B	X	.414	.414	0	%100
108	MP4B	Z	.239	.239	0	%100
109	M121A	X	.125	.125	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	.072	.072	0	%100
111	M122A	X	.499	.499	0	%100
112	M122A	Z	.288	.288	0	%100
113	M123A	X	.125	.125	0	%100
114	M123A	Z	.072	.072	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	.098	.098	0	%100
2	M101	Z	.169	.169	0	%100
3	M102	X	.247	.247	0	%100
4	M102	Z	.428	.428	0	%100
5	M111	X	.247	.247	0	%100
6	M111	Z	.428	.428	0	%100
7	M112	X	.453	.453	0	%100
8	M112	Z	.785	.785	0	%100
9	M115	X	.252	.252	0	%100
10	M115	Z	.436	.436	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	.151	.151	0	%100
14	M120	Z	.262	.262	0	%100
15	M121	X	.462	.462	0	%100
16	M121	Z	.8	.8	0	%100
17	M123	X	.486	.486	0	%100
18	M123	Z	.842	.842	0	%100
19	M125	X	.151	.151	0	%100
20	M125	Z	.262	.262	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	.098	.098	0	%100
26	M133	Z	.169	.169	0	%100
27	M134	X	.247	.247	0	%100
28	M134	Z	.428	.428	0	%100
29	M135	X	.247	.247	0	%100
30	M135	Z	.428	.428	0	%100
31	M136	X	.453	.453	0	%100
32	M136	Z	.785	.785	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	.252	.252	0	%100
36	M140	Z	.436	.436	0	%100
37	M144	X	.151	.151	0	%100
38	M144	Z	.262	.262	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	.151	.151	0	%100
44	M149	Z	.262	.262	0	%100
45	M150	X	.462	.462	0	%100
46	M150	Z	.8	.8	0	%100
47	M152	X	.486	.486	0	%100
48	M152	Z	.842	.842	0	%100
49	M157	X	.391	.391	0	%100
50	M157	Z	.676	.676	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	.252	.252	0	%100
58	M163	Z	.436	.436	0	%100
59	M164	X	.252	.252	0	%100
60	M164	Z	.436	.436	0	%100
61	M168	X	.604	.604	0	%100
62	M168	Z	1.047	1.047	0	%100
63	M169	X	.462	.462	0	%100
64	M169	Z	.8	.8	0	%100
65	M171	X	.486	.486	0	%100
66	M171	Z	.842	.842	0	%100
67	M173	X	.604	.604	0	%100
68	M173	Z	1.047	1.047	0	%100
69	M174	X	.462	.462	0	%100
70	M174	Z	.8	.8	0	%100
71	M176	X	.486	.486	0	%100
72	M176	Z	.842	.842	0	%100
73	M181	X	.264	.264	0	%100
74	M181	Z	.458	.458	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	.264	.264	0	%100
78	M108	Z	.458	.458	0	%100
79	M84	X	.264	.264	0	%100
80	M84	Z	.458	.458	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	.264	.264	0	%100
84	M89	Z	.458	.458	0	%100
85	MP1A	X	.239	.239	0	%100
86	MP1A	Z	.414	.414	0	%100
87	MP2A	X	.239	.239	0	%100
88	MP2A	Z	.414	.414	0	%100
89	MP3A	X	.239	.239	0	%100
90	MP3A	Z	.414	.414	0	%100
91	MP4A	X	.239	.239	0	%100
92	MP4A	Z	.414	.414	0	%100
93	MP1C	X	.239	.239	0	%100
94	MP1C	Z	.414	.414	0	%100
95	MP2C	X	.239	.239	0	%100
96	MP2C	Z	.414	.414	0	%100
97	MP3C	X	.239	.239	0	%100
98	MP3C	Z	.414	.414	0	%100
99	MP4C	X	.239	.239	0	%100
100	MP4C	Z	.414	.414	0	%100
101	MP1B	X	.239	.239	0	%100
102	MP1B	Z	.414	.414	0	%100
103	MP2B	X	.239	.239	0	%100
104	MP2B	Z	.414	.414	0	%100
105	MP3B	X	.239	.239	0	%100
106	MP3B	Z	.414	.414	0	%100
107	MP4B	X	.239	.239	0	%100
108	MP4B	Z	.414	.414	0	%100
109	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	.216	.216	0	%100
112	M122A	Z	.374	.374	0	%100
113	M123A	X	.216	.216	0	%100
114	M123A	Z	.374	.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	.586	.586	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	.165	.165	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	.165	.165	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	.302	.302	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	.671	.671	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	.168	.168	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	.906	.906	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	1.231	1.231	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	1.297	1.297	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	.906	.906	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	.308	.308	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	.324	.324	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	.659	.659	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	.659	.659	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	1.209	1.209	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	.168	.168	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	.168	.168	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	.308	.308	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	.324	.324	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	.308	.308	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	.324	.324	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	.586	.586	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	.165	.165	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	.165	.165	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	.302	.302	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	.168	.168	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	.671	.671	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	.906	.906	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	.308	.308	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	.324	.324	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	.906	.906	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	1.231	1.231	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	1.297	1.297	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	.705	.705	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	.176	.176	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	.176	.176	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	.705	.705	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	.176	.176	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	.176	.176	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	.478	.478	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	.478	.478	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	.478	.478	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	.478	.478	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.478	.478	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	.478	.478	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	.478	.478	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	.478	.478	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.478	.478	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	.478	.478	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	.478	.478	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	.478	.478	0	%100
109	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	.144	.144	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	.144	.144	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	.576	.576	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-.391	-.391	0	%100
2	M101	Z	.676	.676	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	-.252	-.252	0	%100
10	M115	Z	.436	.436	0	%100
11	M116	X	-.252	-.252	0	%100
12	M116	Z	.436	.436	0	%100
13	M120	X	-.604	-.604	0	%100
14	M120	Z	1.047	1.047	0	%100
15	M121	X	-.462	-.462	0	%100
16	M121	Z	.8	.8	0	%100
17	M123	X	-.486	-.486	0	%100
18	M123	Z	.842	.842	0	%100
19	M125	X	-.604	-.604	0	%100
20	M125	Z	1.047	1.047	0	%100
21	M126	X	-.462	-.462	0	%100
22	M126	Z	.8	.8	0	%100
23	M128	X	-.486	-.486	0	%100
24	M128	Z	.842	.842	0	%100
25	M133	X	-.098	-.098	0	%100
26	M133	Z	.169	.169	0	%100
27	M134	X	-.247	-.247	0	%100
28	M134	Z	.428	.428	0	%100
29	M135	X	-.247	-.247	0	%100
30	M135	Z	.428	.428	0	%100
31	M136	X	-.453	-.453	0	%100
32	M136	Z	.785	.785	0	%100
33	M139	X	-.252	-.252	0	%100
34	M139	Z	.436	.436	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-.151	-.151	0	%100
38	M144	Z	.262	.262	0	%100
39	M145	X	-.462	-.462	0	%100
40	M145	Z	.8	.8	0	%100
41	M147	X	-.486	-.486	0	%100
42	M147	Z	.842	.842	0	%100
43	M149	X	-.151	-.151	0	%100
44	M149	Z	.262	.262	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-.098	-.098	0	%100
50	M157	Z	.169	.169	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-.247	-.247	0	%100
52	M158	Z	.428	.428	0	%100
53	M159	X	-.247	-.247	0	%100
54	M159	Z	.428	.428	0	%100
55	M160	X	-.453	-.453	0	%100
56	M160	Z	.785	.785	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	-.252	-.252	0	%100
60	M164	Z	.436	.436	0	%100
61	M168	X	-.151	-.151	0	%100
62	M168	Z	.262	.262	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-.151	-.151	0	%100
68	M173	Z	.262	.262	0	%100
69	M174	X	-.462	-.462	0	%100
70	M174	Z	.8	.8	0	%100
71	M176	X	-.486	-.486	0	%100
72	M176	Z	.842	.842	0	%100
73	M181	X	-.264	-.264	0	%100
74	M181	Z	.458	.458	0	%100
75	M106	X	-.264	-.264	0	%100
76	M106	Z	.458	.458	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	-.264	-.264	0	%100
80	M84	Z	.458	.458	0	%100
81	M88	X	-.264	-.264	0	%100
82	M88	Z	.458	.458	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-.239	-.239	0	%100
86	MP1A	Z	.414	.414	0	%100
87	MP2A	X	-.239	-.239	0	%100
88	MP2A	Z	.414	.414	0	%100
89	MP3A	X	-.239	-.239	0	%100
90	MP3A	Z	.414	.414	0	%100
91	MP4A	X	-.239	-.239	0	%100
92	MP4A	Z	.414	.414	0	%100
93	MP1C	X	-.239	-.239	0	%100
94	MP1C	Z	.414	.414	0	%100
95	MP2C	X	-.239	-.239	0	%100
96	MP2C	Z	.414	.414	0	%100
97	MP3C	X	-.239	-.239	0	%100
98	MP3C	Z	.414	.414	0	%100
99	MP4C	X	-.239	-.239	0	%100
100	MP4C	Z	.414	.414	0	%100
101	MP1B	X	-.239	-.239	0	%100
102	MP1B	Z	.414	.414	0	%100
103	MP2B	X	-.239	-.239	0	%100
104	MP2B	Z	.414	.414	0	%100
105	MP3B	X	-.239	-.239	0	%100
106	MP3B	Z	.414	.414	0	%100
107	MP4B	X	-.239	-.239	0	%100
108	MP4B	Z	.414	.414	0	%100
109	M121A	X	-.216	-.216	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	.374	.374	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	-.216	-.216	0	%100
114	M123A	Z	.374	.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-.507	-.507	0	%100
2	M101	Z	.293	.293	0	%100
3	M102	X	-.143	-.143	0	%100
4	M102	Z	.082	.082	0	%100
5	M111	X	-.143	-.143	0	%100
6	M111	Z	.082	.082	0	%100
7	M112	X	-.262	-.262	0	%100
8	M112	Z	.151	.151	0	%100
9	M115	X	-.145	-.145	0	%100
10	M115	Z	.084	.084	0	%100
11	M116	X	-.581	-.581	0	%100
12	M116	Z	.336	.336	0	%100
13	M120	X	-.785	-.785	0	%100
14	M120	Z	.453	.453	0	%100
15	M121	X	-.267	-.267	0	%100
16	M121	Z	.154	.154	0	%100
17	M123	X	-.281	-.281	0	%100
18	M123	Z	.162	.162	0	%100
19	M125	X	-.785	-.785	0	%100
20	M125	Z	.453	.453	0	%100
21	M126	X	-1.066	-1.066	0	%100
22	M126	Z	.615	.615	0	%100
23	M128	X	-1.123	-1.123	0	%100
24	M128	Z	.648	.648	0	%100
25	M133	X	-.507	-.507	0	%100
26	M133	Z	.293	.293	0	%100
27	M134	X	-.143	-.143	0	%100
28	M134	Z	.082	.082	0	%100
29	M135	X	-.143	-.143	0	%100
30	M135	Z	.082	.082	0	%100
31	M136	X	-.262	-.262	0	%100
32	M136	Z	.151	.151	0	%100
33	M139	X	-.581	-.581	0	%100
34	M139	Z	.336	.336	0	%100
35	M140	X	-.145	-.145	0	%100
36	M140	Z	.084	.084	0	%100
37	M144	X	-.785	-.785	0	%100
38	M144	Z	.453	.453	0	%100
39	M145	X	-1.066	-1.066	0	%100
40	M145	Z	.615	.615	0	%100
41	M147	X	-1.123	-1.123	0	%100
42	M147	Z	.648	.648	0	%100
43	M149	X	-.785	-.785	0	%100
44	M149	Z	.453	.453	0	%100
45	M150	X	-.267	-.267	0	%100
46	M150	Z	.154	.154	0	%100
47	M152	X	-.281	-.281	0	%100
48	M152	Z	.162	.162	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-.57	-.57	0	%100
52	M158	Z	.329	.329	0	%100
53	M159	X	-.57	-.57	0	%100
54	M159	Z	.329	.329	0	%100
55	M160	X	-1.047	-1.047	0	%100
56	M160	Z	.604	.604	0	%100
57	M163	X	-.145	-.145	0	%100
58	M163	Z	.084	.084	0	%100
59	M164	X	-.145	-.145	0	%100
60	M164	Z	.084	.084	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-.267	-.267	0	%100
64	M169	Z	.154	.154	0	%100
65	M171	X	-.281	-.281	0	%100
66	M171	Z	.162	.162	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	-.267	-.267	0	%100
70	M174	Z	.154	.154	0	%100
71	M176	X	-.281	-.281	0	%100
72	M176	Z	.162	.162	0	%100
73	M181	X	-.153	-.153	0	%100
74	M181	Z	.088	.088	0	%100
75	M106	X	-.611	-.611	0	%100
76	M106	Z	.352	.352	0	%100
77	M108	X	-.153	-.153	0	%100
78	M108	Z	.088	.088	0	%100
79	M84	X	-.153	-.153	0	%100
80	M84	Z	.088	.088	0	%100
81	M88	X	-.611	-.611	0	%100
82	M88	Z	.352	.352	0	%100
83	M89	X	-.153	-.153	0	%100
84	M89	Z	.088	.088	0	%100
85	MP1A	X	-.414	-.414	0	%100
86	MP1A	Z	.239	.239	0	%100
87	MP2A	X	-.414	-.414	0	%100
88	MP2A	Z	.239	.239	0	%100
89	MP3A	X	-.414	-.414	0	%100
90	MP3A	Z	.239	.239	0	%100
91	MP4A	X	-.414	-.414	0	%100
92	MP4A	Z	.239	.239	0	%100
93	MP1C	X	-.414	-.414	0	%100
94	MP1C	Z	.239	.239	0	%100
95	MP2C	X	-.414	-.414	0	%100
96	MP2C	Z	.239	.239	0	%100
97	MP3C	X	-.414	-.414	0	%100
98	MP3C	Z	.239	.239	0	%100
99	MP4C	X	-.414	-.414	0	%100
100	MP4C	Z	.239	.239	0	%100
101	MP1B	X	-.414	-.414	0	%100
102	MP1B	Z	.239	.239	0	%100
103	MP2B	X	-.414	-.414	0	%100
104	MP2B	Z	.239	.239	0	%100
105	MP3B	X	-.414	-.414	0	%100
106	MP3B	Z	.239	.239	0	%100
107	MP4B	X	-.414	-.414	0	%100
108	MP4B	Z	.239	.239	0	%100
109	M121A	X	-.499	-.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	.288	.288	0	%100
111	M122A	X	-.125	-.125	0	%100
112	M122A	Z	.072	.072	0	%100
113	M123A	X	-.125	-.125	0	%100
114	M123A	Z	.072	.072	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-.195	-.195	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-.494	-.494	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	-.494	-.494	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	-.906	-.906	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	-.503	-.503	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-.302	-.302	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	-.302	-.302	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-.923	-.923	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	-.972	-.972	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-.781	-.781	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	-.503	-.503	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-.503	-.503	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-1.209	-1.209	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	-.923	-.923	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	-.972	-.972	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-1.209	-1.209	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	-.923	-.923	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	-.972	-.972	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-.195	-.195	0	%100
50	M157	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-.494	-.494	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	-.494	-.494	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	-.906	-.906	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	-.503	-.503	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	-.302	-.302	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-.923	-.923	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	-.972	-.972	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-.302	-.302	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	-.529	-.529	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-.529	-.529	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	-.529	-.529	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-.529	-.529	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-.478	-.478	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-.478	-.478	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	-.478	-.478	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	-.478	-.478	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	-.478	-.478	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	-.478	-.478	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	-.478	-.478	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	-.478	-.478	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	-.478	-.478	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	-.478	-.478	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	-.478	-.478	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-.478	-.478	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	-.432	-.432	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	-.432	-.432	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	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,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-.57	-.57	0	%100
4	M102	Z	-.329	-.329	0	%100
5	M111	X	-.57	-.57	0	%100
6	M111	Z	-.329	-.329	0	%100
7	M112	X	-1.047	-1.047	0	%100
8	M112	Z	-.604	-.604	0	%100
9	M115	X	-.145	-.145	0	%100
10	M115	Z	-.084	-.084	0	%100
11	M116	X	-.145	-.145	0	%100
12	M116	Z	-.084	-.084	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	-.267	-.267	0	%100
16	M121	Z	-.154	-.154	0	%100
17	M123	X	-.281	-.281	0	%100
18	M123	Z	-.162	-.162	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-.267	-.267	0	%100
22	M126	Z	-.154	-.154	0	%100
23	M128	X	-.281	-.281	0	%100
24	M128	Z	-.162	-.162	0	%100
25	M133	X	-.507	-.507	0	%100
26	M133	Z	-.293	-.293	0	%100
27	M134	X	-.143	-.143	0	%100
28	M134	Z	-.082	-.082	0	%100
29	M135	X	-.143	-.143	0	%100
30	M135	Z	-.082	-.082	0	%100
31	M136	X	-.262	-.262	0	%100
32	M136	Z	-.151	-.151	0	%100
33	M139	X	-.145	-.145	0	%100
34	M139	Z	-.084	-.084	0	%100
35	M140	X	-.581	-.581	0	%100
36	M140	Z	-.336	-.336	0	%100
37	M144	X	-.785	-.785	0	%100
38	M144	Z	-.453	-.453	0	%100
39	M145	X	-.267	-.267	0	%100
40	M145	Z	-.154	-.154	0	%100
41	M147	X	-.281	-.281	0	%100
42	M147	Z	-.162	-.162	0	%100
43	M149	X	-.785	-.785	0	%100
44	M149	Z	-.453	-.453	0	%100
45	M150	X	-1.066	-1.066	0	%100
46	M150	Z	-.615	-.615	0	%100
47	M152	X	-1.123	-1.123	0	%100
48	M152	Z	-.648	-.648	0	%100
49	M157	X	-.507	-.507	0	%100
50	M157	Z	-.293	-.293	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	-.143	-.143	0	%100
52	M158	Z	-.082	-.082	0	%100
53	M159	X	-.143	-.143	0	%100
54	M159	Z	-.082	-.082	0	%100
55	M160	X	-.262	-.262	0	%100
56	M160	Z	-.151	-.151	0	%100
57	M163	X	-.581	-.581	0	%100
58	M163	Z	-.336	-.336	0	%100
59	M164	X	-.145	-.145	0	%100
60	M164	Z	-.084	-.084	0	%100
61	M168	X	-.785	-.785	0	%100
62	M168	Z	-.453	-.453	0	%100
63	M169	X	-1.066	-1.066	0	%100
64	M169	Z	-.615	-.615	0	%100
65	M171	X	-1.123	-1.123	0	%100
66	M171	Z	-.648	-.648	0	%100
67	M173	X	-.785	-.785	0	%100
68	M173	Z	-.453	-.453	0	%100
69	M174	X	-.267	-.267	0	%100
70	M174	Z	-.154	-.154	0	%100
71	M176	X	-.281	-.281	0	%100
72	M176	Z	-.162	-.162	0	%100
73	M181	X	-.153	-.153	0	%100
74	M181	Z	-.088	-.088	0	%100
75	M106	X	-.153	-.153	0	%100
76	M106	Z	-.088	-.088	0	%100
77	M108	X	-.611	-.611	0	%100
78	M108	Z	-.352	-.352	0	%100
79	M84	X	-.153	-.153	0	%100
80	M84	Z	-.088	-.088	0	%100
81	M88	X	-.153	-.153	0	%100
82	M88	Z	-.088	-.088	0	%100
83	M89	X	-.611	-.611	0	%100
84	M89	Z	-.352	-.352	0	%100
85	MP1A	X	-.414	-.414	0	%100
86	MP1A	Z	-.239	-.239	0	%100
87	MP2A	X	-.414	-.414	0	%100
88	MP2A	Z	-.239	-.239	0	%100
89	MP3A	X	-.414	-.414	0	%100
90	MP3A	Z	-.239	-.239	0	%100
91	MP4A	X	-.414	-.414	0	%100
92	MP4A	Z	-.239	-.239	0	%100
93	MP1C	X	-.414	-.414	0	%100
94	MP1C	Z	-.239	-.239	0	%100
95	MP2C	X	-.414	-.414	0	%100
96	MP2C	Z	-.239	-.239	0	%100
97	MP3C	X	-.414	-.414	0	%100
98	MP3C	Z	-.239	-.239	0	%100
99	MP4C	X	-.414	-.414	0	%100
100	MP4C	Z	-.239	-.239	0	%100
101	MP1B	X	-.414	-.414	0	%100
102	MP1B	Z	-.239	-.239	0	%100
103	MP2B	X	-.414	-.414	0	%100
104	MP2B	Z	-.239	-.239	0	%100
105	MP3B	X	-.414	-.414	0	%100
106	MP3B	Z	-.239	-.239	0	%100
107	MP4B	X	-.414	-.414	0	%100
108	MP4B	Z	-.239	-.239	0	%100
109	M121A	X	-.125	-.125	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	-.072	-.072	0	%100
111	M122A	X	-.499	-.499	0	%100
112	M122A	Z	-.288	-.288	0	%100
113	M123A	X	-.125	-.125	0	%100
114	M123A	Z	-.072	-.072	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M101	X	-.098	-.098	0	%100
2	M101	Z	-.169	-.169	0	%100
3	M102	X	-.247	-.247	0	%100
4	M102	Z	-.428	-.428	0	%100
5	M111	X	-.247	-.247	0	%100
6	M111	Z	-.428	-.428	0	%100
7	M112	X	-.453	-.453	0	%100
8	M112	Z	-.785	-.785	0	%100
9	M115	X	-.252	-.252	0	%100
10	M115	Z	-.436	-.436	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-.151	-.151	0	%100
14	M120	Z	-.262	-.262	0	%100
15	M121	X	-.462	-.462	0	%100
16	M121	Z	-.8	-.8	0	%100
17	M123	X	-.486	-.486	0	%100
18	M123	Z	-.842	-.842	0	%100
19	M125	X	-.151	-.151	0	%100
20	M125	Z	-.262	-.262	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-.098	-.098	0	%100
26	M133	Z	-.169	-.169	0	%100
27	M134	X	-.247	-.247	0	%100
28	M134	Z	-.428	-.428	0	%100
29	M135	X	-.247	-.247	0	%100
30	M135	Z	-.428	-.428	0	%100
31	M136	X	-.453	-.453	0	%100
32	M136	Z	-.785	-.785	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-.252	-.252	0	%100
36	M140	Z	-.436	-.436	0	%100
37	M144	X	-.151	-.151	0	%100
38	M144	Z	-.262	-.262	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-.151	-.151	0	%100
44	M149	Z	-.262	-.262	0	%100
45	M150	X	-.462	-.462	0	%100
46	M150	Z	-.8	-.8	0	%100
47	M152	X	-.486	-.486	0	%100
48	M152	Z	-.842	-.842	0	%100
49	M157	X	-.391	-.391	0	%100
50	M157	Z	-.676	-.676	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	-.252	-.252	0	%100
58	M163	Z	-.436	-.436	0	%100
59	M164	X	-.252	-.252	0	%100
60	M164	Z	-.436	-.436	0	%100
61	M168	X	-.604	-.604	0	%100
62	M168	Z	-1.047	-1.047	0	%100
63	M169	X	-.462	-.462	0	%100
64	M169	Z	-.8	-.8	0	%100
65	M171	X	-.486	-.486	0	%100
66	M171	Z	-.842	-.842	0	%100
67	M173	X	-.604	-.604	0	%100
68	M173	Z	-1.047	-1.047	0	%100
69	M174	X	-.462	-.462	0	%100
70	M174	Z	-.8	-.8	0	%100
71	M176	X	-.486	-.486	0	%100
72	M176	Z	-.842	-.842	0	%100
73	M181	X	-.264	-.264	0	%100
74	M181	Z	-.458	-.458	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-.264	-.264	0	%100
78	M108	Z	-.458	-.458	0	%100
79	M84	X	-.264	-.264	0	%100
80	M84	Z	-.458	-.458	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-.264	-.264	0	%100
84	M89	Z	-.458	-.458	0	%100
85	MP1A	X	-.239	-.239	0	%100
86	MP1A	Z	-.414	-.414	0	%100
87	MP2A	X	-.239	-.239	0	%100
88	MP2A	Z	-.414	-.414	0	%100
89	MP3A	X	-.239	-.239	0	%100
90	MP3A	Z	-.414	-.414	0	%100
91	MP4A	X	-.239	-.239	0	%100
92	MP4A	Z	-.414	-.414	0	%100
93	MP1C	X	-.239	-.239	0	%100
94	MP1C	Z	-.414	-.414	0	%100
95	MP2C	X	-.239	-.239	0	%100
96	MP2C	Z	-.414	-.414	0	%100
97	MP3C	X	-.239	-.239	0	%100
98	MP3C	Z	-.414	-.414	0	%100
99	MP4C	X	-.239	-.239	0	%100
100	MP4C	Z	-.414	-.414	0	%100
101	MP1B	X	-.239	-.239	0	%100
102	MP1B	Z	-.414	-.414	0	%100
103	MP2B	X	-.239	-.239	0	%100
104	MP2B	Z	-.414	-.414	0	%100
105	MP3B	X	-.239	-.239	0	%100
106	MP3B	Z	-.414	-.414	0	%100
107	MP4B	X	-.239	-.239	0	%100
108	MP4B	Z	-.414	-.414	0	%100
109	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
110	M121A	Z	0	0	0	%100
111	M122A	X	-.216	-.216	0	%100
112	M122A	Z	-.374	-.374	0	%100
113	M123A	X	-.216	-.216	0	%100
114	M123A	Z	-.374	-.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M163	Y	-1.665	-4.226	0	.832
2	M163	Y	-4.226	-6.901	.832	1.665
3	M163	Y	-6.901	-8.189	1.665	2.497
4	M163	Y	-8.189	-6.544	2.497	3.329
5	M163	Y	-6.544	-3.463	3.329	4.162
6	M164	Y	-3.469	-6.578	0	.832
7	M164	Y	-6.578	-8.256	.832	1.665
8	M164	Y	-8.256	-7.041	1.665	2.497
9	M164	Y	-7.041	-4.429	2.497	3.329
10	M164	Y	-4.429	-1.881	3.329	4.162
11	M115	Y	-1.661	-4.228	0	.832
12	M115	Y	-4.228	-6.902	.832	1.665
13	M115	Y	-6.902	-8.189	1.665	2.497
14	M115	Y	-8.189	-6.545	2.497	3.329
15	M115	Y	-6.545	-3.463	3.329	4.162
16	M116	Y	-3.462	-6.573	0	.832
17	M116	Y	-6.573	-8.26	.832	1.665
18	M116	Y	-8.26	-7.044	1.665	2.497
19	M116	Y	-7.044	-4.426	2.497	3.329
20	M116	Y	-4.426	-1.884	3.329	4.162
21	M139	Y	-1.881	-4.429	0	.832
22	M139	Y	-4.429	-7.041	.832	1.665
23	M139	Y	-7.041	-8.256	1.665	2.497
24	M139	Y	-8.256	-6.578	2.497	3.329
25	M139	Y	-6.578	-3.469	3.329	4.162
26	M140	Y	-3.463	-6.544	0	.832
27	M140	Y	-6.544	-8.189	.832	1.665
28	M140	Y	-8.189	-6.901	1.665	2.497
29	M140	Y	-6.901	-4.226	2.497	3.329
30	M140	Y	-4.226	-1.665	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M163	Y	-3.186	-8.086	0	.832
2	M163	Y	-8.086	-13.203	.832	1.665
3	M163	Y	-13.203	-15.669	1.665	2.497
4	M163	Y	-15.669	-12.52	2.497	3.329
5	M163	Y	-12.52	-6.625	3.329	4.162
6	M164	Y	-6.638	-12.585	0	.832
7	M164	Y	-12.585	-15.795	.832	1.665
8	M164	Y	-15.795	-13.472	1.665	2.497
9	M164	Y	-13.472	-8.474	2.497	3.329
10	M164	Y	-8.474	-3.599	3.329	4.162
11	M115	Y	-3.179	-8.09	0	.832
12	M115	Y	-8.09	-13.205	.832	1.665
13	M115	Y	-13.205	-15.667	1.665	2.497
14	M115	Y	-15.667	-12.521	2.497	3.329
15	M115	Y	-12.521	-6.626	3.329	4.162
16	M116	Y	-6.623	-12.576	0	.832
17	M116	Y	-12.576	-15.804	.832	1.665

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M116	Y	-15.804	-13.478	1.665	2.497
19	M116	Y	-13.478	-8.468	2.497	3.329
20	M116	Y	-8.468	-3.605	3.329	4.162
21	M139	Y	-3.599	-8.474	0	.832
22	M139	Y	-8.474	-13.472	.832	1.665
23	M139	Y	-13.472	-15.795	1.665	2.497
24	M139	Y	-15.795	-12.585	2.497	3.329
25	M139	Y	-12.585	-6.638	3.329	4.162
26	M140	Y	-6.625	-12.52	0	.832
27	M140	Y	-12.52	-15.669	.832	1.665
28	M140	Y	-15.669	-13.203	1.665	2.497
29	M140	Y	-13.203	-8.086	2.497	3.329
30	M140	Y	-8.086	-3.186	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M163	Z	-.05	-.127	0	.832
2	M163	Z	-.127	-.207	.832	1.665
3	M163	Z	-.207	-.246	1.665	2.497
4	M163	Z	-.246	-.196	2.497	3.329
5	M163	Z	-.196	-.104	3.329	4.162
6	M164	Z	-.104	-.197	0	.832
7	M164	Z	-.197	-.248	.832	1.665
8	M164	Z	-.248	-.211	1.665	2.497
9	M164	Z	-.211	-.133	2.497	3.329
10	M164	Z	-.133	-.056	3.329	4.162
11	M115	Z	-.05	-.127	0	.832
12	M115	Z	-.127	-.207	.832	1.665
13	M115	Z	-.207	-.246	1.665	2.497
14	M115	Z	-.246	-.196	2.497	3.329
15	M115	Z	-.196	-.104	3.329	4.162
16	M116	Z	-.104	-.197	0	.832
17	M116	Z	-.197	-.248	.832	1.665
18	M116	Z	-.248	-.211	1.665	2.497
19	M116	Z	-.211	-.133	2.497	3.329
20	M116	Z	-.133	-.057	3.329	4.162
21	M139	Z	-.056	-.133	0	.832
22	M139	Z	-.133	-.211	.832	1.665
23	M139	Z	-.211	-.248	1.665	2.497
24	M139	Z	-.248	-.197	2.497	3.329
25	M139	Z	-.197	-.104	3.329	4.162
26	M140	Z	-.104	-.196	0	.832
27	M140	Z	-.196	-.246	.832	1.665
28	M140	Z	-.246	-.207	1.665	2.497
29	M140	Z	-.207	-.127	2.497	3.329
30	M140	Z	-.127	-.05	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M163	X	.05	.127	0	.832
2	M163	X	.127	.207	.832	1.665
3	M163	X	.207	.246	1.665	2.497
4	M163	X	.246	.196	2.497	3.329
5	M163	X	.196	.104	3.329	4.162
6	M164	X	.104	.197	0	.832
7	M164	X	.197	.248	.832	1.665
8	M164	X	.248	.211	1.665	2.497
9	M164	X	.211	.133	2.497	3.329

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
10	M164	X	.133	.056	3.329	4.162
11	M115	X	.05	.127	0	.832
12	M115	X	.127	.207	.832	1.665
13	M115	X	.207	.246	1.665	2.497
14	M115	X	.246	.196	2.497	3.329
15	M115	X	.196	.104	3.329	4.162
16	M116	X	.104	.197	0	.832
17	M116	X	.197	.248	.832	1.665
18	M116	X	.248	.211	1.665	2.497
19	M116	X	.211	.133	2.497	3.329
20	M116	X	.133	.057	3.329	4.162
21	M139	X	.056	.133	0	.832
22	M139	X	.133	.211	.832	1.665
23	M139	X	.211	.248	1.665	2.497
24	M139	X	.248	.197	2.497	3.329
25	M139	X	.197	.104	3.329	4.162
26	M140	X	.104	.196	0	.832
27	M140	X	.196	.246	.832	1.665
28	M140	X	.246	.207	1.665	2.497
29	M140	X	.207	.127	2.497	3.329
30	M140	X	.127	.05	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N243	N245	N222	N221	Y	Two Way	-.005
2	N189	N187	N148A	N149	Y	Two Way	-.005
3	N217	N215	N193	N194	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N243	N245	N222	N221	Y	Two Way	-.01
2	N189	N187	N148A	N149	Y	Two Way	-.01
3	N217	N215	N193	N194	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N243	N245	N222	N221	Y	Two Way	0
2	N189	N187	N148A	N149	Y	Two Way	0
3	N217	N215	N193	N194	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	N243	N245	N222	N221	Z	Two Way	-.000156
2	N189	N187	N148A	N149	Z	Two Way	-.000156
3	N217	N215	N193	N194	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	N243	N245	N222	N221	X	Two Way	.000156
2	N189	N187	N148A	N149	X	Two Way	.000156
3	N217	N215	N193	N194	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 [k-ft]	LC
1	N146	max	2460.638	11	2812.343	5	1516.708	11	1.59	11	1.077	8	6.447	5
2		min	-2353.345	5	-573.997	11	-1450.172	5	-3.69	5	-1.055	2	-2.922	11
3	N191	max	660.974	10	2699.771	1	2542.107	1	7.167	1	1.182	4	.289	4
4		min	-653.53	4	-541.2	7	-2664.664	7	-3.125	7	-1.164	10	-.253	10
5	N219	max	2314.733	9	2771.484	9	1338.271	3	1.704	3	1.15	12	2.808	3
6		min	-2429.401	3	-565.085	3	-1282.484	9	-3.694	9	-1.133	6	-6.306	9
7	Totals:	max	5012.847	10	7002.52	15	4889.96	1						
8		min	-5012.852	4	2465.602	72	-4889.958	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M101	HSS4X4X3	.606	0	5	.123	0	y	30	95848.971	106812	12.662	12.662	2....	H1-1b
2	M102	HSS4X4X3	.261	2.375	6	.081	.223	z	5	104414.6...	106812	12.662	12.662	1....	H1-1b
3	M111	HSS4X4X3	.264	0	4	.083	2.152	y	5	104414.6...	106812	12.662	12.662	1....	H1-1b
4	M112	PL1/2X6	.247	.516	5	.258	1.031	y	8	66009.234	97200	1.012	12.15	1....	H1-1b
5	M115	L2x2x3	.160	4.162	5	.014	0	y	20	9823.122	23392.8	.558	1.078	1....	H2-1
6	M116	L2x2x3	.163	4.162	4	.015	4.162	y	14	9823.121	23392.8	.558	1.085	1....	H2-1
7	M120	PL3/8x6	.234	0	8	.230	0	y	9	70677.939	72900	.57	9.113	1....	H1-1b
8	M121	PL3/8x6	.270	.167	11	.391	0	y	18	71601.728	72900	.57	9.113	1....	H1-1b
9	M123	PL1/2X6	.088	.112	5	.177	.112	y	9	96757.507	97200	1.012	12.15	1....	H1-1b
10	M125	PL3/8x6	.279	0	5	.284	0	y	13	70677.939	72900	.57	9.113	1....	H1-1b
11	M126	PL3/8x6	.285	.167	11	.382	0	y	16	71601.728	72900	.57	9.113	1....	H1-1b
12	M128	PL1/2X6	.093	.112	4	.168	.112	y	1	96757.507	97200	1.012	12.15	1....	H1-1b
13	M133	HSS4X4X3	.583	0	1	.099	0	y	14	95848.971	106812	12.662	12.662	2....	H1-1b
14	M134	HSS4X4X3	.255	2.375	2	.080	2.375	y	13	104414.6...	106812	12.662	12.662	1....	H1-1b
15	M135	HSS4X4X3	.258	0	12	.081	2.152	y	1	104414.6...	106812	12.662	12.662	1....	H1-1b
16	M136	PL1/2X6	.232	.516	1	.269	1.031	y	4	66009.234	97200	1.012	12.15	1....	H1-1b
17	M139	L2x2x3	.154	0	2	.014	0	y	16	9823.122	23392.8	.558	1.085	1....	H2-1
18	M140	L2x2x3	.159	4.162	12	.015	4.162	y	22	9823.122	23392.8	.558	1.086	1....	H2-1
19	M144	PL3/8x6	.222	0	4	.232	0	y	5	70677.939	72900	.57	9.113	1....	H1-1b
20	M145	PL3/8x6	.254	.167	7	.395	0	y	14	71601.728	72900	.57	9.113	1....	H1-1b
21	M147	PL1/2X6	.084	.112	1	.181	.112	y	5	96757.507	97200	1.012	12.15	1....	H1-1b
22	M149	PL3/8x6	.257	0	1	.281	0	y	21	70677.939	72900	.57	9.113	1....	H1-1b
23	M150	PL3/8x6	.268	.167	7	.387	0	y	24	71601.728	72900	.57	9.113	1....	H1-1b
24	M152	PL1/2X6	.090	.112	12	.173	.112	y	9	96757.507	97200	1.012	12.15	1....	H1-1b
25	M157	HSS4X4X3	.590	0	9	.119	0	y	44	95848.97	106812	12.662	12.662	2....	H1-1b
26	M158	HSS4X4X3	.262	2.375	10	.079	.223	z	9	104414.6...	106812	12.662	12.662	1....	H1-1b
27	M159	HSS4X4X3	.256	0	8	.082	2.152	y	9	104414.6...	106812	12.662	12.662	1....	H1-1b
28	M160	PL1/2X6	.239	.516	9	.261	.516	y	6	66009.234	97200	1.012	12.15	1....	H1-1b
29	M163	L2x2x3	.158	0	10	.014	0	y	24	9823.122	23392.8	.558	1.086	1....	H2-1
30	M164	L2x2x3	.158	0	9	.015	4.162	y	18	9823.122	23392.8	.558	1.077	1....	H2-1
31	M168	PL3/8x6	.217	0	12	.228	0	y	1	70677.939	72900	.57	9.113	1....	H1-1b
32	M169	PL3/8x6	.267	.167	3	.386	0	y	22	71601.728	72900	.57	9.113	1....	H1-1b
33	M171	PL1/2X6	.088	.112	10	.173	.112	y	1	96757.507	97200	1.012	12.15	1....	H1-1b
34	M173	PL3/8x6	.264	0	9	.283	0	y	17	70677.939	72900	.57	9.113	1....	H1-1b
35	M174	PL3/8x6	.277	.167	3	.378	0	y	21	71601.728	72900	.57	9.113	1....	H1-1b
36	M176	PL1/2X6	.091	.112	9	.176	.112	y	5	96757.507	97200	1.012	12.15	1....	H1-1b
37	M181	PIPE_3.0	.223	4.349	10	.097	.435		7	23086.163	65205	5.749	5.749	3....	H1-1b
38	M106	PIPE_3.0	.223	8.843	5	.098	4.204		3	23086.163	65205	5.749	5.749	2....	H1-1b
39	M108	PIPE_3.0	.216	4.929	9	.099	4.204		11	23086.163	65205	5.749	5.749	3....	H1-1b
40	M84	PIPE_3.0	.242	4.349	4	.110	1.45		7	23086.163	65205	5.749	5.749	4....	H1-1b
41	M88	PIPE_3.0	.239	4.349	12	.105	1.305		9	23086.163	65205	5.749	5.749	4....	H1-1b
42	M89	PIPE_3.0	.240	4.349	9	.107	1.305		5	23086.163	65205	5.749	5.749	3....	H1-1b
43	MP1A	PIPE_2.0	.460	1.938	9	.133	1.938		7	20866.733	32130	1.872	1.872	2....	H1-1b
44	MP2A	PIPE_2.0	.719	6.375	10	.173	5.906		11	12143.947	32130	1.872	1.872	3....	H1-1b
45	MP3A	PIPE_2.0	.720	5.625	4	.115	5.625		2	20866.733	32130	1.872	1.872	2....	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
46	MP4A	PIPE_2.0	.485	1.938	5	.131	5.438		6	20866.733	32130	1.872	1.872	2....	H1-1b
47	MP1C	PIPE_2.0	.473	1.938	4	.137	1.938		3	20866.733	32130	1.872	1.872	1....	H1-1b
48	MP2C	PIPE_2.0	.727	6.375	5	.169	6.375		7	12143.947	32130	1.872	1.872	2....	H1-1b
49	MP3C	PIPE_2.0	.708	5.625	12	.117	5.625		10	20866.733	32130	1.872	1.872	2....	H1-1b
50	MP4C	PIPE_2.0	.467	1.938	1	.129	1.938		3	20866.733	32130	1.872	1.872	2....	H1-1b
51	MP1B	PIPE_2.0	.461	1.938	12	.138	1.938		11	20866.733	32130	1.872	1.872	2....	H1-1b
52	MP2B	PIPE_2.0	.698	6.375	1	.174	6.375		3	12143.947	32130	1.872	1.872	4....	H1-1b
53	MP3B	PIPE_2.0	.714	5.625	9	.115	5.438		10	20866.733	32130	1.872	1.872	2....	H1-1b
54	MP4B	PIPE_2.0	.481	1.938	9	.133	5.438		10	20866.733	32130	1.872	1.872	2....	H1-1b
55	M121A	L2.5x2.5x4	.704	0	11	.141	0	z	6	36379.114	38556	1.114	2.537	2....	H2-1
56	M122A	L2.5x2.5x4	.669	0	7	.138	0	z	2	36379.114	38556	1.114	2.537	2....	H2-1
57	M123A	L2.5x2.5x4	.703	0	3	.147	0	z	10	36379.114	38556	1.114	2.537	2....	H2-1

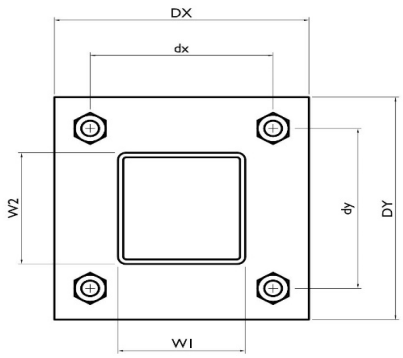
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/3/2023
Site Name:	WESTBROOK 2 CT		
MDG #:	5000244999		

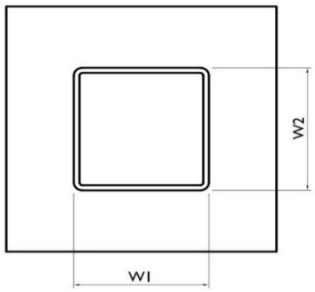
Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	8.2
Required Shear Strength / bolt (kips):	0.7
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**39.6%**



Tower Connection Baseplate Checks	Yes
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	10
Plate Height, D_y (in):	10
W1(in):	4
W2 (in):	4
Member Thickness (in):	0.18
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.625
Length of Yield Line, L_y (in):	6.28
Bolt Eccentricity, e (in):	1.58
M_u (kip-in):	12.98
Phi*M_n (kip-in):	19.87
Plate Bending Utilization:	**65.3%**

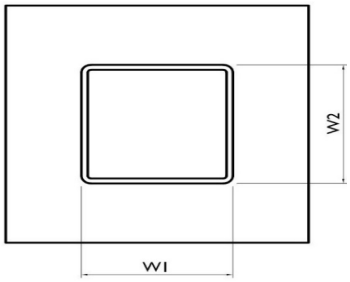


VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/3/2023
Site Name:	WESTBROOK 2 CT		
MDG #:	5000244999		

Version 1.01

Tower Connection Weld Checks	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.18
c_y (in)	2.18
Required combined strength (kip/in):	2.94
Weld Capacity (kip/in):	5.57
Weld Utilization:	**52.8%**



Date: **July 31, 2023**

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351

Subject: Structural Analysis Report

Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	5000244999
	Site Name:	Westbrook 2 CT
Crown Castle Designation:	**BU Number:**	876339
	Site Name:	Pond Meadow Rd. Stable
	JDE Job Number:	751363
	Work Order Number:	2246201
	Order Number:	654618 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25580.872017
Site Data:	**782 Old Clinton Road, Westbrook, Middlesex County, CT 06498-1767**	
	Latitude *41° 17' 25.78"*, Longitude *-72° 28' 8.05"*	
	160 Foot - Monopole Tower	

Tower Engineering Professionals is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

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

LC7: Proposed Equipment Configuration **Sufficient Capacity - 81.9%**

This analysis utilizes an ultimate 3-second gust wind speed of 125 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: Gautam Sopal, E.I. / DEN

Respectfully submitted by:

Aaron T. Rucker, P.E.

Electronic Copy

07/31/2023

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 160-ft monopole tower designed by Valmont. The tower has been modified multiple times in the past to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	B
Topographic Factor:	1.0
Ice Thickness:	1.0 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)
116.0	117.0	1	RFS Celwave	DB-T1-6Z-8AB-0Z	8	1-5/8
		2	Samsung Telecom.	RFV01U-D1A		
		4	Samsung Telecom.	RFV01U-D2A		
	116.0	1	Tower Mounts	Platform Mount [LP 303-1_HR-1]		
	115.0	3	Samsung Telecom.	MT6407-77A w/ Mount Pipe		
		3	Commscope	JAHH-65B-R3B w/ Mount Pipe		
		3	Commscope	JAHH-65B-R3B		
		1	Antel	LPA-80080/4CF w/ Mount Pipe		
		1	Antel	LPA-80080-4CF-EDIN-0 w/ Mount Pipe		
		4	Antel	LPA-80063-4CF-EDIN-5 w/ Mount Pipe		
		1	RFS Celwave	DB-T1-6Z-8AB-0Z		
		1	Kaelus	BSF0020F3V1		
	114.0	3	Commscope	CBC78T-DS-43-2X		
		1	Samsung Telecom.	RFV01U-D1A		
		2	Samsung Telecom.	RFV01U-D2A		

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)
159.0	160.0	2	RFS Celwave	APXVSPP18-C-A20 w/ Mount Pipe	4	1-1/4
		1	RFS Celwave	APXV9ERR18-C-A20 w/ Mount Pipe		
		3	RFS Celwave	APXVTM14-C-120 w/ Mount Pipe		
		3	Alcatel Lucent	TD-RRH8x20-25		
	159.0	1	Tower Mounts	Platform Mount [LP 713-1]		
155.0	155.0	1	Tower Mounts	Side Arm Mount [SO 102-3]	-	-
	154.0	3	Alcatel Lucent	800MHZ 2X50W RRH W/FILTER		
		3	Alcatel Lucent	PCS 1900MHZ 4X45W-65MHZ		
142.0	145.0	3	Ericsson	AIR 6419 B41_TMO w/ Mount Pipe	3	1-5/8
		3	Commscope	VV-65A-R1_TMO w/ Mount Pipe		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	Ericsson	RADIO 4460 B2/B25 B66_TMO		
	142.0	1	Site Pro 1	HRK12-U		
		3	Generic	2.875” O.D., 120” Long Mount Pipe		
		1	Tower Mounts	Platform Mount [LP 602-1_KCKR]		
128.0	131.0	3	JMA Wireless	MX08FRO665-21 w/ Mount Pipe	1	1-1/2
		3	Fujitsu	TA08025-B604		
		1	Raycap	RDIDC-9181-PF-48		
		3	Fujitsu	TA08025-B605		
	128.0	1	Tower Mounts	Sabre C10801018-32788		
96.0	103.0	1	GPS	GPS_A	12 2 1 1	1-5/8 3/4 1/2 3/8
	99.0	3	KMW Comm.	AM-X-CD-14-65-00T-RET w/ Mount Pipe		
		6	Powerwave Technologies	7770.00 w/ Mount Pipe		
		6	Powerwave Technologies	TT19-08BP111-001		
		1	Raycap	DC6-48-60-18-8F		
		4	Ericsson	RRUS 11		
	96.0	2	Ericsson	RRUS 11		
		1	Tower Mounts	T-Arm Mount [TA 602-3]		
92.0	92.0	1	Tower Mounts	Side Arm Mount [SO 701-1]	1	1/2
	91.0	1	Lucent	KS24019-L112A		
87.0	87.0	2	Tower Mounts	Side Arm Mount [SO 701-1]	-	-

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1532966	CCISites
Tower Foundation Drawings	1533020	CCISites
Tower Manufacturer Drawings	1531985	CCISites
Tower Reinforcement Drawings	2884023	CCISites
Post-Modification Inspection	2923975	CCISites
Tower Reinforcement Drawings	3366474	CCISites
Post-Modification Inspection	3633208	CCISites
Tower Reinforcement Drawings	3678375	CCISites
Post-Modification Inspection	3682462	CCISites
Tower Reinforcement Drawings	3682464	CCISites
Post-Modification Inspection	4023333	CCISites

3.1) Analysis Method

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

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. Tower Engineering Professionals should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)[1,2]

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP23.3x22.35x0.2188	Pole	3.3%	Pass
155 - 150	Pole	TP24.251x23.3x0.2188	Pole	7.3%	Pass
150 - 145	Pole	TP25.201x24.251x0.2188	Pole	11.3%	Pass
145 - 140	Pole	TP26.152x25.201x0.2188	Pole	18.3%	Pass
140 - 135	Pole	TP27.102x26.152x0.2188	Pole	25.7%	Pass
135 - 130	Pole	TP28.052x27.102x0.2188	Pole	32.7%	Pass
130 - 125	Pole	TP29.003x28.052x0.2188	Pole	41.1%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
125 - 122	Pole	TP30.46x29.003x0.2188	Pole	46.0%	Pass
122 - 117	Pole	TP30.085x29.135x0.2813	Pole	38.0%	Pass
117 - 112	Pole	TP31.035x30.085x0.2813	Pole	44.5%	Pass
112 - 107	Pole	TP31.985x31.035x0.2813	Pole	50.8%	Pass
107 - 102	Pole	TP32.935x31.985x0.2813	Pole	56.8%	Pass
102 - 97	Pole	TP33.885x32.935x0.2813	Pole	62.5%	Pass
97 - 95.83	Pole	TP34.107x33.885x0.2813	Pole	64.3%	Pass
95.83 - 95.58	Pole + Reinf.	TP34.155x34.107x0.3813	Reinf. 8 Tension Rupture	54.8%	Pass
95.58 - 90.58	Pole + Reinf.	TP35.105x34.155x0.3813	Reinf. 8 Tension Rupture	59.9%	Pass
90.58 - 89.83	Pole + Reinf.	TP35.247x35.105x0.375	Reinf. 8 Tension Rupture	60.7%	Pass
89.83 - 89.58	Pole	TP35.295x35.247x0.2813	Pole	72.3%	Pass
89.58 - 88	Pole	TP36.64x35.295x0.2813	Pole	74.3%	Pass
88 - 81.5	Pole	TP36.266x35.033x0.375	Pole	56.1%	Pass
81.5 - 76.5	Pole	TP37.215x36.266x0.375	Pole	59.8%	Pass
76.5 - 74.25	Pole	TP37.642x37.215x0.375	Pole	61.4%	Pass
74.25 - 74	Pole + Reinf.	TP37.689x37.642x0.4875	Reinf. 5 Tension Rupture	57.8%	Pass
74 - 69	Pole + Reinf.	TP38.638x37.689x0.4813	Reinf. 5 Tension Rupture	60.8%	Pass
69 - 64	Pole + Reinf.	TP39.587x38.638x0.475	Reinf. 5 Tension Rupture	63.6%	Pass
64 - 59	Pole + Reinf.	TP40.535x39.587x0.475	Reinf. 5 Tension Rupture	66.2%	Pass
59 - 55.75	Pole + Reinf.	TP41.152x40.535x0.475	Reinf. 5 Tension Rupture	67.7%	Pass
55.75 - 55.5	Pole + Reinf.	TP41.2x41.152x0.6375	Reinf. 4 Tension Rupture	63.7%	Pass
55.5 - 50.5	Pole + Reinf.	TP42.148x41.2x0.6375	Reinf. 4 Tension Rupture	66.2%	Pass
50.5 - 47.75	Pole + Reinf.	TP42.67x42.148x0.6375	Reinf. 4 Tension Rupture	67.5%	Pass
47.75 - 47.5	Pole + Reinf.	TP42.718x42.67x0.5375	Reinf. 4 Tension Rupture	79.5%	Pass
47.5 - 47	Pole + Reinf.	TP44.03x42.718x0.5375	Reinf. 4 Tension Rupture	79.7%	Pass
47 - 39.58	Pole + Reinf.	TP43.473x42.062x0.7	Reinf. 7 Compression	69.1%	Pass
39.58 - 34.58	Pole + Reinf.	TP44.424x43.473x0.7	Reinf. 7 Compression	71.1%	Pass
34.58 - 30.75	Pole + Reinf.	TP45.153x44.424x0.6875	Reinf. 7 Compression	72.7%	Pass
30.75 - 30.5	Pole + Reinf.	TP45.2x45.153x0.5875	Reinf. 4 Tension Rupture	80.9%	Pass
30.5 - 29	Pole + Reinf.	TP45.485x45.2x0.5875	Reinf. 4 Weldment	81.9%	Pass
29 - 28.75	Pole + Reinf.	TP45.533x45.485x0.6375	Reinf. 2 Tension Rupture	70.4%	Pass
28.75 - 23.75	Pole + Reinf.	TP46.484x45.533x0.625	Reinf. 2 Tension Rupture	72.1%	Pass
23.75 - 18.75	Pole + Reinf.	TP47.434x46.484x0.625	Reinf. 2 Tension Rupture	73.7%	Pass
18.75 - 13.75	Pole + Reinf.	TP48.385x47.434x0.625	Reinf. 2 Tension Rupture	75.2%	Pass
13.75 - 13	Pole + Reinf.	TP48.528x48.385x0.625	Reinf. 2 Tension Rupture	75.4%	Pass
13 - 12.75	Pole + Reinf.	TP48.575x48.528x0.7125	Reinf. 2 Tension Rupture	66.8%	Pass
12.75 - 8.25	Pole + Reinf.	TP49.431x48.575x0.7125	Reinf. 2 Tension Rupture	68.1%	Pass
8.25 - 8	Pole + Reinf.	TP49.479x49.431x0.6625	Reinf. 6 Tension Rupture	72.9%	Pass
8 - 5	Pole + Reinf.	TP50.049x49.479x0.6625	Reinf. 6 Tension Rupture	73.7%	Pass
5 - 4.75	Pole + Reinf.	TP50.097x50.049x0.5625	Reinf. 2 Tension Rupture	79.1%	Pass
4.75 - 0	Pole + Reinf.	TP51x50.097x0.5625	Reinf. 2 Tension Rupture	80.3%	Pass
				Summary	
			Pole	74.3%	Pass
			Reinforcement	81.9%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
			Overall	**81.9%**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	52.3	Pass
1,2	Base Plate	-	33.5	Pass
1,2	Base Foundation Structural	-	46.7	Pass
1,2	Base Foundation Soil Interaction	-	69.0	Pass

Structure Rating (max from all components) =	**81.9%**

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

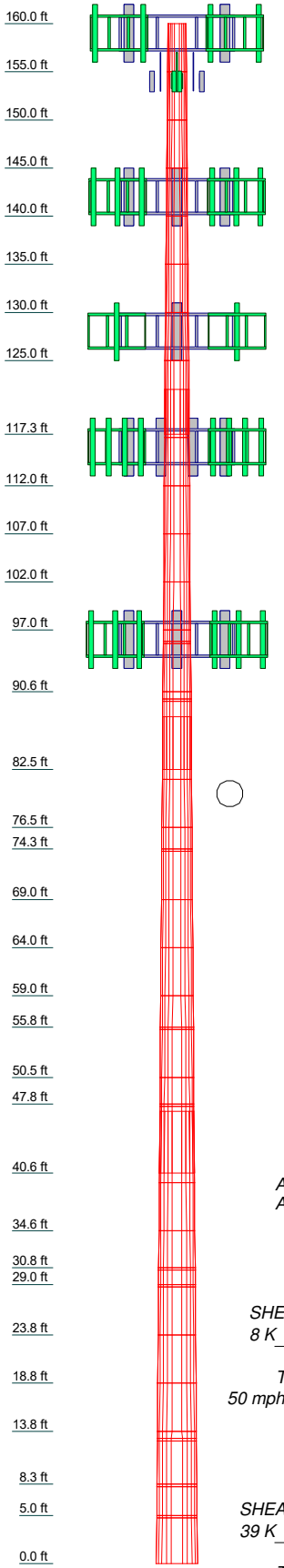
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Length (ft)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.750
Number of Sides	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Thickness (in)	0.2188	0.2188	0.2188	0.2188	0.2188	0.2188	0.2188	0.2188	0.2188	0.2188	0.2813	0.2813	0.2813	0.2813	0.2813	0.2813	0.2813	0.2813	0.2813	0.3750	0.3750	0.3750	0.3750	0.4800	0.4750	0.4750	0.4750	0.5000	0.6300	0.5625	0.5375	0.7000	0.7000	0.7000	0.6875	0.6250	0.6250	0.6250	0.6250	0.6250	0.6250	0.6250	0.6250	0.6250	0.6250	0.6250	0.6250	0.5625
Socket Length (ft)								4.67											5.50												6.42																				
Top Dia (in)	22.3500	23.3004	24.2508	25.2012	26.1516	27.1019	28.0523	29.0027	29.9531	30.9035	31.8539	32.8043	33.7547	34.7050	35.6554	36.6058	37.5562	38.5066	39.4570	40.4074	41.3578	42.3082	43.2586	44.2090	45.1594	46.1098	47.0602	48.0106	48.9610	49.9114	50.8618	51.8122	52.7626	53.7130	54.6634	55.6138	56.5642	57.5146	58.4650	59.4154	60.3658	61.3162	62.2666	63.2170	64.1674	65.1178	66.0682	67.0186
Bot Dia (in)	23.3004	24.2508	25.2012	26.1516	27.1019	28.0523	29.0027	29.9531	30.9035	31.8539	32.8043	33.7547	34.7050	35.6554	36.6058	37.5562	38.5066	39.4570	40.4074	41.3578	42.3082	43.2586	44.2090	45.1594	46.1098	47.0602	48.0106	48.9610	49.9114	50.8618	51.8122	52.7626	53.7130	54.6634	55.6138	56.5642	57.5146	58.4650	59.4154	60.3658	61.3162	62.2666	63.2170	64.1674	65.1178	66.0682
Grade	A572-65																																																
Weight (K)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.8	0.8	0.8	0.9	0.8	0.9	0.7	0.3	0.3	1.0	1.0	1.0	0.7	1.4	0.8	0.8	1.7	2.3	1.6	1.2	1.0	1.5	1.6	1.2	1.7	1.1	1.0	1.1	1.2	1.3	1.4	1.5	1.5	1.5



ALL REACTIONS ARE FACTORED

AXIAL 89 K

SHEAR 8 K *MOMENT 849 kip-ft*

TORQUE 0 kip-ft
50 mph WIND - 1.0000 in ICE

AXIAL 63 K

SHEAR 39 K *MOMENT 4086 kip-ft*

TORQUE 1 kip-ft
REACTIONS - 125 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 81.9%

Tower Engineering Professionals

Tower Engineering Professionals, Inc.
326 Tryon Road
Raleigh, NC 27603-5263
Phone: (919) 661-6351
FAX: (919) 661-6350

Job: ***Pond Meadow Rd. Stable (BU 876339)***			
Project: ***TEP No. 25580.872017***			
Client: Crown Castle	Drawn by: SMA	App'd:	
Code: TIA-222-H	Date: 07/31/23	Scale: NTS	
Path: C:\Users\smarsena\Desktop\Pond Meadow Stable (876339) MP Review\Issued Docs\Pre-Seal\876339_2246201_LCT.eri		Dwg No. E-1	

Tower Input Data

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

Tower is located in Middlesex County, Connecticut.
Tower base elevation above sea level: 94.00 ft.
Basic wind speed of 125 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs	Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules
Consider Moments - Horizontals	Assume Legs Pinned	Calculate Redundant Bracing Forces
Consider Moments - Diagonals	√ Assume Rigid Index Plate	Ignore Redundant Members in FEA
Use Moment Magnification	√ Use Clear Spans For Wind Area	SR Leg Bolts Resist Compression
√ Use Code Stress Ratios	Use Clear Spans For KL/r	All Leg Panels Have Same Allowable
√ Use Code Safety Factors - Guys	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	160.00-155.00	5.00	0.00	12	22.3500	23.3004	0.2188	0.8750	A572-65 (65 ksi)
L2	155.00-150.00	5.00	0.00	12	23.3004	24.2508	0.2188	0.8750	A572-65 (65 ksi)
L3	150.00-145.00	5.00	0.00	12	24.2508	25.2012	0.2188	0.8750	A572-65 (65 ksi)
L4	145.00-140.00	5.00	0.00	12	25.2012	26.1516	0.2188	0.8750	A572-65 (65 ksi)
L5	140.00-135.00	5.00	0.00	12	26.1516	27.1019	0.2188	0.8750	A572-65 (65 ksi)
L6	135.00-130.00	5.00	0.00	12	27.1019	28.0523	0.2188	0.8750	A572-65 (65 ksi)
L7	130.00-125.00	5.00	0.00	12	28.0523	29.0027	0.2188	0.8750	A572-65 (65 ksi)
L8	125.00-117.33	7.67	4.67	12	29.0027	30.4600	0.2188	0.8750	A572-65 (65 ksi)
L9	117.33-117.00	5.00	0.00	12	29.1355	30.0854	0.2813	1.1250	A572-65 (65 ksi)
L10	117.00-112.00	5.00	0.00	12	30.0854	31.0353	0.2813	1.1250	A572-65 (65 ksi)
L11	112.00-107.00	5.00	0.00	12	31.0353	31.9853	0.2813	1.1250	A572-65 (65 ksi)
L12	107.00-102.00	5.00	0.00	12	31.9853	32.9352	0.2813	1.1250	A572-65 (65 ksi)
L13	102.00-97.00	5.00	0.00	12	32.9352	33.8852	0.2813	1.1250	A572-65 (65 ksi)
L14	97.00-95.83	1.17	0.00	12	33.8852	34.1075	0.2813	1.1250	A572-65 (65 ksi)
L15	95.83-95.58	0.25	0.00	12	34.1075	34.1550	0.3812	1.5250	A572-65 (65 ksi)
L16	95.58-90.58	5.00	0.00	12	34.1550	35.1049	0.3812	1.5250	A572-65 (65 ksi)
L17	90.58-89.83	0.75	0.00	12	35.1049	35.2474	0.3750	1.5000	A572-65 (65 ksi)
L18	89.83-89.58	0.25	0.00	12	35.2474	35.2949	0.2813	1.1250	A572-65 (65 ksi)
L19	89.58-82.50	7.08	5.50	12	35.2949	36.6400	0.2813	1.1250	A572-65 (65 ksi)
L20	82.50-81.50	6.50	0.00	12	35.0326	36.2660	0.3750	1.5000	A572-65 (65 ksi)
L21	81.50-76.50	5.00	0.00	12	36.2660	37.2147	0.3750	1.5000	A572-65 (65 ksi)
L22	76.50-74.25	2.25	0.00	12	37.2147	37.6417	0.3750	1.5000	A572-65 (65 ksi)
L23	74.25-74.00	0.25	0.00	12	37.6417	37.6891	0.4875	1.9500	A572-65 (65 ksi)
L24	74.00-69.00	5.00	0.00	12	37.6891	38.6379	0.4813	1.9250	A572-65 (65 ksi)
L25	69.00-64.00	5.00	0.00	12	38.6379	39.5866	0.4750	1.9000	A572-65 (65 ksi)
L26	64.00-59.00	5.00	0.00	12	39.5866	40.5354	0.4750	1.9000	A572-65 (65 ksi)
L27	59.00-55.75	3.25	0.00	12	40.5354	41.1521	0.4750	1.9000	A572-65 (65 ksi)
L28	55.75-55.50	0.25	0.00	12	41.1521	41.1995	0.6375	2.5500	A572-65 (65 ksi)
L29	55.50-50.50	5.00	0.00	12	41.1995	42.1483	0.6375	2.5500	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L30	50.50-47.75	2.75	0.00	12	42.1483	42.6701	0.6375	2.5500	A572-65 (65 ksi)
L31	47.75-47.50	0.25	0.00	12	42.6701	42.7175	0.5375	2.1500	A572-65 (65 ksi)
L32	47.50-40.58	6.92	6.42	12	42.7175	44.0300	0.5375	2.1500	A572-65 (65 ksi)
L33	40.58-39.58	7.42	0.00	12	42.0624	43.4728	0.7000	2.8000	A572-65 (65 ksi)
L34	39.58-34.58	5.00	0.00	12	43.4728	44.4236	0.7000	2.8000	A572-65 (65 ksi)
L35	34.58-30.75	3.83	0.00	12	44.4236	45.1525	0.6875	2.7500	A572-65 (65 ksi)
L36	30.75-30.50	0.25	0.00	12	45.1525	45.2001	0.5875	2.3500	A572-65 (65 ksi)
L37	30.50-29.00	1.50	0.00	12	45.2001	45.4853	0.5875	2.3500	A572-65 (65 ksi)
L38	29.00-28.75	0.25	0.00	12	45.4853	45.5329	0.6375	2.5500	A572-65 (65 ksi)
L39	28.75-23.75	5.00	0.00	12	45.5329	46.4837	0.6250	2.5000	A572-65 (65 ksi)
L40	23.75-18.75	5.00	0.00	12	46.4837	47.4345	0.6250	2.5000	A572-65 (65 ksi)
L41	18.75-13.75	5.00	0.00	12	47.4345	48.3853	0.6250	2.5000	A572-65 (65 ksi)
L42	13.75-13.00	0.75	0.00	12	48.3853	48.5279	0.6250	2.5000	A572-65 (65 ksi)
L43	13.00-12.75	0.25	0.00	12	48.5279	48.5754	0.7125	2.8500	A572-65 (65 ksi)
L44	12.75-8.25	4.50	0.00	12	48.5754	49.4312	0.7125	2.8500	A572-65 (65 ksi)
L45	8.25-8.00	0.25	0.00	12	49.4312	49.4787	0.6625	2.6500	A572-65 (65 ksi)
L46	8.00-5.00	3.00	0.00	12	49.4787	50.0492	0.6625	2.6500	A572-65 (65 ksi)
L47	5.00-4.75	0.25	0.00	12	50.0492	50.0967	0.5625	2.2500	A572-65 (65 ksi)
L48	4.75-0.00	4.75		12	50.0967	51.0000	0.5625	2.2500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	23.0613	15.5887	974.5581	7.9230	11.5773	84.1784	1974.7188	7.6723	5.4036	24.702
	24.0452	16.2581	1105.5792	8.2632	12.0696	91.6003	2240.2033	8.0018	5.6583	25.866
L2	24.0452	16.2581	1105.5792	8.2632	12.0696	91.6003	2240.2033	8.0018	5.6583	25.866
	25.0291	16.9276	1247.8468	8.6035	12.5619	99.3358	2528.4758	8.3312	5.9130	27.031
L3	25.0291	16.9276	1247.8468	8.6035	12.5619	99.3358	2528.4758	8.3312	5.9130	27.031
	26.0130	17.5970	1401.8237	8.9437	13.0542	107.3848	2840.4749	8.6607	6.1677	28.195
L4	26.0130	17.5970	1401.8237	8.9437	13.0542	107.3848	2840.4749	8.6607	6.1677	28.195
	26.9969	18.2664	1567.9731	9.2839	13.5465	115.7474	3177.1387	8.9902	6.4224	29.359
L5	26.9969	18.2664	1567.9731	9.2839	13.5465	115.7474	3177.1387	8.9902	6.4224	29.359
	27.9808	18.9359	1746.7579	9.6242	14.0388	124.4235	3539.4051	9.3197	6.6771	30.524
L6	27.9808	18.9359	1746.7579	9.6242	14.0388	124.4235	3539.4051	9.3197	6.6771	30.524
	28.9648	19.6053	1938.6415	9.9644	14.5311	133.4132	3928.2133	9.6491	6.9318	31.688
L7	28.9648	19.6053	1938.6415	9.9644	14.5311	133.4132	3928.2133	9.6491	6.9318	31.688

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
	29.9487	20.2747	2144.0868	10.3047	15.0234	142.7164	4344.5012	9.9786	7.1865	32.852
L8	29.9487	20.2747	2144.0868	10.3047	15.0234	142.7164	4344.5012	9.9786	7.1865	32.852
	31.4573	21.3012	2486.5036	10.8264	15.7783	157.5903	5038.3305	10.4838	7.5770	34.638
L9	30.9819	26.1311	2776.9116	10.3298	15.0922	183.9968	5626.7757	12.8609	7.0546	25.083
	31.0475	26.9914	3060.3053	10.6699	15.5842	196.3718	6201.0082	13.2843	7.3091	25.988
L10	31.0475	26.9914	3060.3053	10.6699	15.5842	196.3718	6201.0082	13.2843	7.3091	25.988
	32.0309	27.8517	3362.3526	11.0100	16.0763	209.1495	6813.0379	13.7077	7.5637	26.893
L11	32.0309	27.8517	3362.3526	11.0100	16.0763	209.1495	6813.0379	13.7077	7.5637	26.893
	33.0144	28.7120	3683.6474	11.3500	16.5684	222.3300	7464.0683	14.1312	7.8183	27.798
L12	33.0144	28.7120	3683.6474	11.3500	16.5684	222.3300	7464.0683	14.1312	7.8183	27.798
	33.9978	29.5723	4024.7849	11.6901	17.0604	235.9132	8155.3055	14.5546	8.0729	28.704
L13	33.9978	29.5723	4024.7849	11.6901	17.0604	235.9132	8155.3055	14.5546	8.0729	28.704
	34.9813	30.4326	4386.3591	12.0302	17.5525	249.8991	8887.9527	14.9780	8.3275	29.609
L14	34.9813	30.4326	4386.3591	12.0302	17.5525	249.8991	8887.9527	14.9780	8.3275	29.609
	35.2114	30.6339	4473.9819	12.1098	17.6677	253.2300	9065.5003	15.0771	8.3870	29.821
L15	35.1761	41.4031	6011.1026	12.0740	17.6677	340.2319	12180.1235	20.3774	8.1190	21.296
	35.2253	41.4614	6036.5349	12.0910	17.6923	341.1963	12231.6562	20.4061	8.1318	21.329
L16	35.2253	41.4614	6036.5349	12.0910	17.6923	341.1963	12231.6562	20.4061	8.1318	21.329
	36.2088	42.6276	6560.3589	12.4311	18.1843	360.7698	13293.0657	20.9800	8.3864	21.997
L17	36.2110	41.9363	6456.2970	12.4333	18.1843	355.0472	13082.2081	20.6398	8.4031	22.408
	36.3585	42.1084	6536.0908	12.4843	18.2581	357.9822	13243.8921	20.7245	8.4413	22.51
L18	36.3916	31.6662	4941.7103	12.5179	18.2581	270.6578	10013.2448	15.5851	8.6925	30.907
	36.4407	31.7092	4961.8757	12.5349	18.2827	271.3966	10054.1054	15.6063	8.7053	30.952
L19	36.4407	31.7092	4961.8757	12.5349	18.2827	271.3966	10054.1054	15.6063	8.7053	30.952
	37.8333	32.9274	5555.9865	13.0164	18.9795	292.7359	11257.9350	16.2059	9.0658	32.234
L20	37.2165	41.8490	6416.0419	12.4074	18.1469	353.5619	13000.6404	20.5968	8.3837	22.357
	37.4130	43.3383	7125.7098	12.8490	18.7858	379.3143	14438.6200	21.3298	8.7143	23.238
L21	37.4130	43.3383	7125.7098	12.8490	18.7858	379.3143	14438.6200	21.3298	8.7143	23.238
	38.3952	44.4840	7705.8754	13.1886	19.2772	399.7399	15614.1927	21.8937	8.9685	23.916
L22	38.3952	44.4840	7705.8754	13.1886	19.2772	399.7399	15614.1927	21.8937	8.9685	23.916
	38.8372	44.9995	7976.9072	13.3415	19.4984	409.1061	16163.3766	22.1474	9.0830	24.221
L23	38.7975	58.3227	10276.3484	13.3012	19.4984	527.0360	20822.6678	28.7047	8.7815	18.013
	38.8467	58.3972	10315.7608	13.3182	19.5230	528.3914	20902.5281	28.7413	8.7942	18.039
L24	38.8489	57.6582	10188.6409	13.3204	19.5230	521.8801	20644.9488	28.3776	8.8109	18.308
	39.8311	59.1284	10988.0834	13.6601	20.0144	549.0086	22264.8360	29.1012	9.0652	18.837
L25	39.8333	58.3701	10850.7113	13.6623	20.0144	542.1449	21986.4828	28.7280	9.0819	19.12
	40.8155	59.8212	11680.2726	14.0020	20.5059	569.6063	23667.3990	29.4422	9.3362	19.655
L26	40.8155	59.8212	11680.2726	14.0020	20.5059	569.6063	23667.3990	29.4422	9.3362	19.655
	41.7978	61.2724	12551.0720	14.3416	20.9973	597.7461	25431.8746	30.1564	9.5905	20.19
L27	41.7978	61.2724	12551.0720	14.3416	20.9973	597.7461	25431.8746	30.1564	9.5905	20.19
	42.4362	62.2156	13139.6795	14.5624	21.3168	616.4008	26624.5530	30.6206	9.7558	20.538
L28	42.3789	83.1663	17424.3291	14.5042	21.3168	817.3998	35306.4148	40.9319	9.3203	14.62
	42.4280	83.2637	17485.6066	14.5212	21.3414	819.3299	35430.5796	40.9799	9.3330	14.64
L29	42.4280	83.2637	17485.6066	14.5212	21.3414	819.3299	35430.5796	40.9799	9.3330	14.64
	43.4102	85.2113	18741.5176	14.8609	21.8328	858.4107	37975.3958	41.9384	9.5872	15.039
L30	43.4102	85.2113	18741.5176	14.8609	21.8328	858.4107	37975.3958	41.9384	9.5872	15.039
	43.9505	86.2824	19457.2208	15.0477	22.1031	880.2933	39425.6044	42.4656	9.7271	15.258
L31	43.9857	72.9210	16522.4749	15.0835	22.1031	747.5180	33479.0137	35.8895	9.9951	18.596
	44.0348	73.0031	16578.3468	15.1005	22.1277	749.2129	33592.2253	35.9299	10.0078	18.619
L32	44.0348	73.0031	16578.3468	15.1005	22.1277	749.2129	33592.2253	35.9299	10.0078	18.619
	45.3936	75.2746	18174.5391	15.5703	22.8075	796.8654	36826.5436	37.0479	10.3595	19.274
L33	44.5625	93.2309	20359.0508	14.8077	21.7883	934.4016	41252.9564	45.8854	9.3967	13.424
	44.7594	96.4099	22513.4705	15.3127	22.5189	999.7588	45618.3950	47.4500	9.7747	13.964
L34	44.7594	96.4099	22513.4705	15.3127	22.5189	999.7588	45618.3950	47.4500	9.7747	13.964
	45.7438	98.5530	24048.4650	15.6530	23.0114	1045.0665	48728.7100	48.5048	10.0295	14.328
L35	45.7482	96.8208	23639.2910	15.6575	23.0114	1027.2852	47899.6126	47.6522	10.0630	14.637
	46.5028	98.4345	24841.0831	15.9185	23.3890	1062.0834	50334.7691	48.4465	10.2584	14.921
L36	46.5381	84.3059	21371.3785	15.9543	23.3890	913.7357	43304.2069	41.4928	10.5264	17.917
	46.5873	84.3958	21439.8456	15.9713	23.4136	915.6989	43442.9398	41.5371	10.5391	17.939
L37	46.5873	84.3958	21439.8456	15.9713	23.4136	915.6989	43442.9398	41.5371	10.5391	17.939
	46.8826	84.9355	21853.7241	16.0734	23.5614	927.5225	44281.5699	41.8026	10.6156	18.069
L38	46.8650	92.0614	23634.4785	16.0555	23.5614	1003.1018	47889.8610	45.3098	10.4816	16.442

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
	46.9142	92.1590	23709.7179	16.0725	23.5860	1005.2445	48042.3164	45.3578	10.4943	16.462
L39	46.9186	90.3771	23264.2427	16.0770	23.5860	986.3572	47139.6629	44.4808	10.5278	16.844
	47.9030	92.2906	24773.4288	16.4174	24.0785	1028.8593	50197.6831	45.4226	10.7826	17.252
L40	47.9030	92.2906	24773.4288	16.4174	24.0785	1028.8593	50197.6831	45.4226	10.7826	17.252
	48.8873	94.2041	26346.5117	16.7578	24.5711	1072.2579	53385.1756	46.3644	11.0374	17.66
L41	48.8873	94.2041	26346.5117	16.7578	24.5711	1072.2579	53385.1756	46.3644	11.0374	17.66
	49.8717	96.1176	27984.8162	17.0982	25.0636	1116.5532	56704.8247	47.3061	11.2923	18.068
L42	49.8717	96.1176	27984.8162	17.0982	25.0636	1116.5532	56704.8247	47.3061	11.2923	18.068
	50.0193	96.4046	28236.2691	17.1492	25.1375	1123.2749	57214.3364	47.4474	11.3305	18.129
L43	49.9884	109.7005	32013.2764	17.1179	25.1375	1273.5290	64867.5773	53.9912	11.0960	15.573
	50.0377	109.8096	32108.8581	17.1349	25.1621	1276.0813	65061.2516	54.0449	11.1087	15.591
L44	50.0377	109.8096	32108.8581	17.1349	25.1621	1276.0813	65061.2516	54.0449	11.1087	15.591
	50.9236	111.7728	33862.0257	17.4413	25.6053	1322.4592	68613.6445	55.0112	11.3381	15.913
L45	50.9412	104.0358	31582.7842	17.4592	25.6053	1233.4450	63995.2834	51.2032	11.4721	17.316
	50.9904	104.1372	31675.2356	17.4762	25.6300	1235.8670	64182.6149	51.2532	11.4848	17.336
L46	50.9904	104.1372	31675.2356	17.4762	25.6300	1235.8670	64182.6149	51.2532	11.4848	17.336
	51.5810	105.3542	32798.7689	17.6804	25.9255	1265.1170	66459.1980	51.8521	11.6377	17.566
L47	51.6163	89.6328	28017.5172	17.7162	25.9255	1080.6942	56771.0857	44.1145	11.9057	21.166
	51.6655	89.7189	28098.3409	17.7333	25.9501	1082.7832	56934.8564	44.1569	11.9184	21.188
L48	51.6655	89.7189	28098.3409	17.7333	25.9501	1082.7832	56934.8564	44.1569	11.9184	21.188
	52.6007	91.3549	29663.6785	18.0566	26.4180	1122.8586	60106.6548	44.9621	12.1605	21.619

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 160.00-155.00				1	1	1			
L2 155.00-150.00				1	1	1			
L3 150.00-145.00				1	1	1			
L4 145.00-140.00				1	1	1			
L5 140.00-135.00				1	1	1			
L6 135.00-130.00				1	1	1			
L7 130.00-125.00				1	1	1			
L8 125.00-117.33				1	1	1			
L9 117.33-117.00				1	1	1			
L10 117.00-112.00				1	1	1			
L11 112.00-107.00				1	1	1			
L12 107.00-102.00				1	1	1			
L13 102.00-97.00				1	1	1			
L14 97.00-95.83				1	1	1			
L15 95.83-95.58				1	1	1.17465			
L16 95.58-90.58				1	1	1.1627			
L17 90.58-89.83				1	1	1.1801			

Tower Elevation ft	Gusset Area (per face) ft²	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
L18 89.83-89.58				1	1	1			
L19 89.58-82.50				1	1	1			
L20 82.50-81.50				1	1	1			
L21 81.50-76.50				1	1	1			
L22 76.50-74.25				1	1	1			
L23 74.25-74.00				1	1	0.977341			
L24 74.00-69.00				1	1	0.98463			
L25 69.00-64.00				1	1	0.992377			
L26 64.00-59.00				1	1	0.987572			
L27 59.00-55.75				1	1	0.984569			
L28 55.75-55.50				1	1	0.973156			
L29 55.50-50.50				1	1	0.964358			
L30 50.50-47.75				1	1	0.959689			
L31 47.75-47.50				1	1	0.970429			
L32 47.50-40.58				1	1	0.969817			
L33 40.58-39.58				1	1	0.973563			
L34 39.58-34.58				1	1	0.965983			
L35 34.58-30.75				1	1	0.977578			
L36 30.75-30.50				1	1	0.980795			
L37 30.50-29.00				1	1	0.979295			
L38 29.00-28.75				1	1	0.96948			
L39 28.75-23.75				1	1	0.982611			
L40 23.75-18.75				1	1	0.976871			
L41 18.75-13.75				1	1	0.971359			
L42 13.75-13.00				1	1	0.970551			
L43 13.00-12.75				1	1	1.01684			
L44 12.75-8.25				1	1	1.00976			
L45 8.25-8.00				1	1	1.07693			
L46 8.00-5.00				1	1	1.07212			
L47 5.00-4.75				1	1	1.05879			
L48 4.75-0.00				1	1	1.05376			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
Safety Line 3/8	A	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	-0.250 -0.250	0.3750		0.22
128										
CU12PSM9P6XXX(1-1/2)	B	No	Surface Ar (CaAa)	128.00 - 0.00	1	1	-0.250 -0.250	1.6000		2.35
LDF7-50A(1-5/8)	B	No	Surface Ar (CaAa)	96.00 - 0.00	12	6	-0.250 -0.250	1.9800		0.82
2" Flexible Conduit	B	No	Surface Ar (CaAa)	96.00 - 0.00	1	1	-0.250 -0.250	2.0000		0.34
92										
LDF4-50A(1/2)	A	No	Surface Ar (CaAa)	92.00 - 0.00	1	1	0.500 0.500	0.6250		0.15
*										
Mods										
PL 1.25x6.25	B	No	Surface Af (CaAa)	9.00 - 2.00	1	1	0.000 0.000	6.2500	15.0000	0.00
PL 1.25x6.875	A	No	Surface Af (CaAa)	31.25 - 2.00	1	1	0.250 0.250	6.8750	16.2500	0.00
PL 1.25x6.875	B	No	Surface Af (CaAa)	31.25 - 2.00	1	1	0.250 0.250	6.8750	16.2500	0.00
PL 1.25x6.875	C	No	Surface Af (CaAa)	31.25 - 5.00	1	1	0.250 0.250	6.8750	16.2500	0.00
*										
PL 1.25x5.25	A	No	Surface Af (CaAa)	58.00 - 31.25	1	1	0.250 0.250	5.2500	13.0000	0.00
PL 1.25x5.25	B	No	Surface Af (CaAa)	58.00 - 31.25	1	1	0.250 0.250	5.2500	13.0000	0.00
PL 1.25x5.25	C	No	Surface Af (CaAa)	58.00 - 31.25	1	1	0.250 0.250	5.2500	13.0000	0.00
****										
Crown 1x4 (100ksi)	A	No	Surface Af (CaAa)	76.00 - 46.00	1	1	0.500 0.500	4.0000	10.0000	0.00
Crown 1x4 (100ksi)	B	No	Surface Af (CaAa)	76.00 - 46.00	1	1	0.500 0.500	4.0000	10.0000	0.00
Crown 1x4 (100ksi)	C	No	Surface Af (CaAa)	76.00 - 46.00	1	1	0.500 0.500	4.0000	10.0000	0.00
****										
(Area) Sabre MS600 (1.00x6.00)	B	No	Surface Af (CaAa)	15.00 - 5.00	1	1	-0.250 -0.250	6.0000	14.0000	0.00
(Area) Sabre MS600 (1.00x6.00)	C	No	Surface Af (CaAa)	15.00 - 5.00	1	1	-0.250 -0.250	6.0000	14.0000	0.00
(Area) Sabre MS600 (1.00x6.00)	C	No	Surface Af (CaAa)	15.00 - 5.00	1	1	0.500 0.500	6.0000	14.0000	0.00
*										
(Area) Sabre MS450 (1.00x4.50)	A	No	Surface Af (CaAa)	44.25 - 29.25	1	1	-0.250 -0.250	4.5000	11.0000	0.00
(Area) Sabre MS450 (1.00x4.50)	B	No	Surface Af (CaAa)	44.25 - 29.25	1	1	-0.250 -0.250	4.5000	11.0000	0.00
(Area) Sabre MS450 (1.00x4.50)	C	No	Surface Af (CaAa)	44.25 - 29.25	1	1	-0.250 -0.250	4.5000	11.0000	0.00
*										
(Area) Sabre MS600 (1.00x6.00)	A	No	Surface Af (CaAa)	97.83 - 87.83	1	1	0.500 0.500	6.0000	14.0000	0.00
(Area) Sabre MS600 (1.00x6.00)	B	No	Surface Af (CaAa)	97.83 - 87.83	1	1	0.250 0.250	6.0000	14.0000	0.00

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
(Area) Sabre MS600 (1.00x6.00)	C	No	Surface Af (CaAa)	97.83 - 87.83	1	1	0.000 0.000	6.0000	14.0000	0.00
****										
HSS6x6x1/4	A	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.000 0.000	6.0000	24.0000	18.99
HSS6x6x1/4	A	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.250 0.250	6.0000	24.0000	18.99
HSS6x6x1/4	B	No	Surface Af (CaAa)	102.00 - 90.00	1	1	-0.250 -0.250	6.0000	24.0000	18.99
HSS6x6x1/4	B	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.000 0.000	6.0000	24.0000	18.99
HSS6x6x1/4	B	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.500 0.500	6.0000	24.0000	18.99
HSS6x6x1/4	C	No	Surface Af (CaAa)	102.00 - 90.00	1	1	-0.250 -0.250	6.0000	24.0000	18.99
HSS6x6x1/4	C	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.250 0.250	6.0000	24.0000	18.99
HSS6x6x1/4	C	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.500 0.500	6.0000	24.0000	18.99
*** *** ***										

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 plf
159									
HB114-1-08U4-M5J (1-1/4)	C	No	No	Inside Pole	159.00 - 0.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.08 1.08 1.08
HB114-21U3M12-X XXF(1-1/4)	C	No	No	Inside Pole	159.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.22 1.22 1.22
142									
HB158-21U6S24-xx M_TMO(1-5/8)	C	No	No	Inside Pole	142.00 - 0.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	2.50 2.50 2.50
116									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	116.00 - 0.00	6	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.82 0.82 0.82
HB158-1-08U8-S8J 18(1-5/8)	C	No	No	Inside Pole	116.00 - 0.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.30 1.30 1.30
96									
LDF4-50A(1/2)	B	No	No	Inside Pole	96.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.15 0.15 0.15
FB-L98B-034-XXX(3/8)	B	No	No	Inside Pole	96.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.06 0.06 0.06
WR-VG86ST-BRD(3/4)	B	No	No	Inside Pole	96.00 - 0.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.58 0.58 0.58

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
2" Flexible Conduit	B	No	No	Inside Pole	96.00 - 0.00	1	No Ice	0.00	0.34
							1/2" Ice	0.00	0.34
							1" Ice	0.00	0.34
*									
***									
***									
***									

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	160.00-155.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L2	155.00-150.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L3	150.00-145.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L4	145.00-140.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.04
L5	140.00-135.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.06
L6	135.00-130.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.06
L7	130.00-125.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.480	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.06
L8	125.00-117.33	A	0.000	0.000	0.288	0.000	0.00
		B	0.000	0.000	1.227	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.09
L9	117.33-117.00	A	0.000	0.000	0.012	0.000	0.00
		B	0.000	0.000	0.053	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L10	117.00-112.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.800	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.09
L11	112.00-107.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.800	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.10
L12	107.00-102.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.800	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.10
L13	102.00-97.00	A	0.000	0.000	9.606	0.000	0.19
		B	0.000	0.000	14.550	0.000	0.30
		C	0.000	0.000	13.750	0.000	0.38
L14	97.00-95.83	A	0.000	0.000	3.138	0.000	0.04
		B	0.000	0.000	4.531	0.000	0.07

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	4.107	0.000	0.09
L15	95.83-95.58	A	0.000	0.000	0.670	0.000	0.01
		B	0.000	0.000	1.265	0.000	0.02
		C	0.000	0.000	0.878	0.000	0.02
L16	95.58-90.58	A	0.000	0.000	13.499	0.000	0.19
		B	0.000	0.000	25.293	0.000	0.36
		C	0.000	0.000	17.553	0.000	0.38
L17	90.58-89.83	A	0.000	0.000	1.764	0.000	0.02
		B	0.000	0.000	3.352	0.000	0.04
		C	0.000	0.000	2.191	0.000	0.05
L18	89.83-89.58	A	0.000	0.000	0.253	0.000	0.00
		B	0.000	0.000	0.615	0.000	0.00
		C	0.000	0.000	0.228	0.000	0.00
L19	89.58-82.50	A	0.000	0.000	2.304	0.000	0.00
		B	0.000	0.000	12.556	0.000	0.10
		C	0.000	0.000	1.596	0.000	0.14
L20	82.50-81.50	A	0.000	0.000	0.100	0.000	0.00
		B	0.000	0.000	1.548	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.02
L21	81.50-76.50	A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	7.740	0.000	0.07
		C	0.000	0.000	0.000	0.000	0.10
L22	76.50-74.25	A	0.000	0.000	1.392	0.000	0.00
		B	0.000	0.000	4.650	0.000	0.03
		C	0.000	0.000	1.167	0.000	0.04
L23	74.25-74.00	A	0.000	0.000	0.192	0.000	0.00
		B	0.000	0.000	0.554	0.000	0.00
		C	0.000	0.000	0.167	0.000	0.00
L24	74.00-69.00	A	0.000	0.000	3.833	0.000	0.00
		B	0.000	0.000	11.073	0.000	0.07
		C	0.000	0.000	3.333	0.000	0.10
L25	69.00-64.00	A	0.000	0.000	3.833	0.000	0.00
		B	0.000	0.000	11.073	0.000	0.07
		C	0.000	0.000	3.333	0.000	0.10
L26	64.00-59.00	A	0.000	0.000	3.833	0.000	0.00
		B	0.000	0.000	11.073	0.000	0.07
		C	0.000	0.000	3.333	0.000	0.10
L27	59.00-55.75	A	0.000	0.000	4.460	0.000	0.00
		B	0.000	0.000	9.166	0.000	0.05
		C	0.000	0.000	4.135	0.000	0.06
L28	55.75-55.50	A	0.000	0.000	0.410	0.000	0.00
		B	0.000	0.000	0.772	0.000	0.00
		C	0.000	0.000	0.385	0.000	0.00
L29	55.50-50.50	A	0.000	0.000	8.208	0.000	0.00
		B	0.000	0.000	15.448	0.000	0.07
		C	0.000	0.000	7.708	0.000	0.10
L30	50.50-47.75	A	0.000	0.000	4.515	0.000	0.00
		B	0.000	0.000	8.497	0.000	0.04
		C	0.000	0.000	4.240	0.000	0.05
L31	47.75-47.50	A	0.000	0.000	0.410	0.000	0.00
		B	0.000	0.000	0.772	0.000	0.00
		C	0.000	0.000	0.385	0.000	0.00
L32	47.50-40.58	A	0.000	0.000	10.494	0.000	0.00
		B	0.000	0.000	20.509	0.000	0.10
		C	0.000	0.000	9.802	0.000	0.13
L33	40.58-39.58	A	0.000	0.000	1.725	0.000	0.00
		B	0.000	0.000	3.173	0.000	0.01
		C	0.000	0.000	1.625	0.000	0.02
L34	39.58-34.58	A	0.000	0.000	8.625	0.000	0.00
		B	0.000	0.000	15.865	0.000	0.07
		C	0.000	0.000	8.125	0.000	0.10

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
L35	34.58-30.75	A	0.000	0.000	6.748	0.000	0.00
		B	0.000	0.000	12.298	0.000	0.05
		C	0.000	0.000	6.365	0.000	0.07
L36	30.75-30.50	A	0.000	0.000	0.499	0.000	0.00
		B	0.000	0.000	0.861	0.000	0.00
		C	0.000	0.000	0.474	0.000	0.00
L37	30.50-29.00	A	0.000	0.000	2.806	0.000	0.00
		B	0.000	0.000	4.978	0.000	0.02
		C	0.000	0.000	2.656	0.000	0.03
L38	29.00-28.75	A	0.000	0.000	0.311	0.000	0.00
		B	0.000	0.000	0.673	0.000	0.00
		C	0.000	0.000	0.286	0.000	0.00
L39	28.75-23.75	A	0.000	0.000	6.229	0.000	0.00
		B	0.000	0.000	13.469	0.000	0.07
		C	0.000	0.000	5.729	0.000	0.10
L40	23.75-18.75	A	0.000	0.000	6.229	0.000	0.00
		B	0.000	0.000	13.469	0.000	0.07
		C	0.000	0.000	5.729	0.000	0.10
L41	18.75-13.75	A	0.000	0.000	6.229	0.000	0.00
		B	0.000	0.000	14.609	0.000	0.07
		C	0.000	0.000	8.009	0.000	0.10
L42	13.75-13.00	A	0.000	0.000	0.934	0.000	0.00
		B	0.000	0.000	2.704	0.000	0.01
		C	0.000	0.000	2.228	0.000	0.01
L43	13.00-12.75	A	0.000	0.000	0.311	0.000	0.00
		B	0.000	0.000	0.901	0.000	0.00
		C	0.000	0.000	0.743	0.000	0.00
L44	12.75-8.25	A	0.000	0.000	5.606	0.000	0.00
		B	0.000	0.000	16.854	0.000	0.06
		C	0.000	0.000	13.365	0.000	0.09
L45	8.25-8.00	A	0.000	0.000	0.311	0.000	0.00
		B	0.000	0.000	1.111	0.000	0.00
		C	0.000	0.000	0.743	0.000	0.00
L46	8.00-5.00	A	0.000	0.000	3.738	0.000	0.00
		B	0.000	0.000	13.327	0.000	0.04
		C	0.000	0.000	8.910	0.000	0.06
L47	5.00-4.75	A	0.000	0.000	0.311	0.000	0.00
		B	0.000	0.000	0.883	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L48	4.75-0.00	A	0.000	0.000	3.626	0.000	0.00
		B	0.000	0.000	12.804	0.000	0.07
		C	0.000	0.000	0.000	0.000	0.09

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	160.00-155.00	A	0.994	0.000	0.000	1.181	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L2	155.00-150.00	A	0.991	0.000	0.000	1.178	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L3	150.00-145.00	A	0.987	0.000	0.000	1.175	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L4	145.00-140.00	A	0.984	0.000	0.000	1.171	0.000	0.01

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	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.04
L5	140.00-135.00	A	0.980	0.000	0.000	1.168	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.06
L6	135.00-130.00	A	0.977	0.000	0.000	1.164	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.06
L7	130.00-125.00	A	0.973	0.000	0.000	1.161	0.000	0.01
		B		0.000	0.000	1.064	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.06
L8	125.00-117.33	A	0.968	0.000	0.000	1.772	0.000	0.01
		B		0.000	0.000	2.711	0.000	0.04
		C		0.000	0.000	0.000	0.000	0.09
L9	117.33-117.00	A	0.965	0.000	0.000	0.077	0.000	0.00
		B		0.000	0.000	0.118	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L10	117.00-112.00	A	0.963	0.000	0.000	1.150	0.000	0.01
		B		0.000	0.000	1.763	0.000	0.03
		C		0.000	0.000	0.000	0.000	0.09
L11	112.00-107.00	A	0.958	0.000	0.000	1.146	0.000	0.01
		B		0.000	0.000	1.758	0.000	0.03
		C		0.000	0.000	0.000	0.000	0.10
L12	107.00-102.00	A	0.954	0.000	0.000	1.141	0.000	0.01
		B		0.000	0.000	1.754	0.000	0.03
		C		0.000	0.000	0.000	0.000	0.10
L13	102.00-97.00	A	0.949	0.000	0.000	11.808	0.000	0.31
		B		0.000	0.000	17.335	0.000	0.47
		C		0.000	0.000	15.586	0.000	0.54
L14	97.00-95.83	A	0.946	0.000	0.000	3.751	0.000	0.08
		B		0.000	0.000	5.402	0.000	0.12
		C		0.000	0.000	4.635	0.000	0.13
L15	95.83-95.58	A	0.945	0.000	0.000	0.801	0.000	0.02
		B		0.000	0.000	1.605	0.000	0.03
		C		0.000	0.000	0.990	0.000	0.03
L16	95.58-90.58	A	0.943	0.000	0.000	16.376	0.000	0.33
		B		0.000	0.000	32.089	0.000	0.65
		C		0.000	0.000	19.800	0.000	0.57
L17	90.58-89.83	A	0.940	0.000	0.000	2.256	0.000	0.04
		B		0.000	0.000	4.310	0.000	0.08
		C		0.000	0.000	2.468	0.000	0.07
L18	89.83-89.58	A	0.939	0.000	0.000	0.372	0.000	0.00
		B		0.000	0.000	0.867	0.000	0.01
		C		0.000	0.000	0.253	0.000	0.01
L19	89.58-82.50	A	0.935	0.000	0.000	5.129	0.000	0.04
		B		0.000	0.000	19.140	0.000	0.27
		C		0.000	0.000	1.772	0.000	0.15
L20	82.50-81.50	A	0.931	0.000	0.000	0.474	0.000	0.00
		B		0.000	0.000	2.453	0.000	0.04
		C		0.000	0.000	0.000	0.000	0.02
L21	81.50-76.50	A	0.928	0.000	0.000	2.355	0.000	0.02
		B		0.000	0.000	12.239	0.000	0.18
		C		0.000	0.000	0.000	0.000	0.10
L22	76.50-74.25	A	0.923	0.000	0.000	2.546	0.000	0.02
		B		0.000	0.000	6.991	0.000	0.09
		C		0.000	0.000	1.490	0.000	0.05
L23	74.25-74.00	A	0.922	0.000	0.000	0.330	0.000	0.00
		B		0.000	0.000	0.824	0.000	0.01
		C		0.000	0.000	0.213	0.000	0.01
L24	74.00-69.00	A	0.918	0.000	0.000	6.588	0.000	0.04
		B		0.000	0.000	16.461	0.000	0.20

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	4.252	0.000	0.12
L25	69.00-64.00	A	0.912	0.000	0.000	6.568	0.000	0.04
		B		0.000	0.000	16.433	0.000	0.20
		C		0.000	0.000	4.245	0.000	0.12
L26	64.00-59.00	A	0.905	0.000	0.000	6.547	0.000	0.04
		B		0.000	0.000	16.403	0.000	0.20
		C		0.000	0.000	4.238	0.000	0.12
L27	59.00-55.75	A	0.898	0.000	0.000	6.616	0.000	0.04
		B		0.000	0.000	13.018	0.000	0.14
		C		0.000	0.000	5.124	0.000	0.09
L28	55.75-55.50	A	0.896	0.000	0.000	0.590	0.000	0.00
		B		0.000	0.000	1.082	0.000	0.01
		C		0.000	0.000	0.475	0.000	0.01
L29	55.50-50.50	A	0.891	0.000	0.000	11.773	0.000	0.07
		B		0.000	0.000	21.612	0.000	0.23
		C		0.000	0.000	9.491	0.000	0.15
L30	50.50-47.75	A	0.884	0.000	0.000	6.460	0.000	0.04
		B		0.000	0.000	11.867	0.000	0.12
		C		0.000	0.000	5.213	0.000	0.08
L31	47.75-47.50	A	0.882	0.000	0.000	0.587	0.000	0.00
		B		0.000	0.000	1.078	0.000	0.01
		C		0.000	0.000	0.474	0.000	0.01
L32	47.50-40.58	A	0.875	0.000	0.000	15.029	0.000	0.09
		B		0.000	0.000	28.611	0.000	0.30
		C		0.000	0.000	11.916	0.000	0.20
L33	40.58-39.58	A	0.867	0.000	0.000	2.425	0.000	0.01
		B		0.000	0.000	4.389	0.000	0.05
		C		0.000	0.000	1.975	0.000	0.03
L34	39.58-34.58	A	0.860	0.000	0.000	12.065	0.000	0.07
		B		0.000	0.000	21.865	0.000	0.22
		C		0.000	0.000	9.845	0.000	0.15
L35	34.58-30.75	A	0.849	0.000	0.000	9.352	0.000	0.05
		B		0.000	0.000	16.855	0.000	0.17
		C		0.000	0.000	7.667	0.000	0.11
L36	30.75-30.50	A	0.844	0.000	0.000	0.668	0.000	0.00
		B		0.000	0.000	1.157	0.000	0.01
		C		0.000	0.000	0.558	0.000	0.01
L37	30.50-29.00	A	0.841	0.000	0.000	3.774	0.000	0.02
		B		0.000	0.000	6.707	0.000	0.07
		C		0.000	0.000	3.119	0.000	0.04
L38	29.00-28.75	A	0.839	0.000	0.000	0.437	0.000	0.00
		B		0.000	0.000	0.926	0.000	0.01
		C		0.000	0.000	0.328	0.000	0.01
L39	28.75-23.75	A	0.831	0.000	0.000	8.721	0.000	0.05
		B		0.000	0.000	18.485	0.000	0.20
		C		0.000	0.000	6.560	0.000	0.13
L40	23.75-18.75	A	0.813	0.000	0.000	8.669	0.000	0.05
		B		0.000	0.000	18.411	0.000	0.20
		C		0.000	0.000	6.543	0.000	0.13
L41	18.75-13.75	A	0.792	0.000	0.000	8.605	0.000	0.04
		B		0.000	0.000	19.566	0.000	0.20
		C		0.000	0.000	9.015	0.000	0.14
L42	13.75-13.00	A	0.777	0.000	0.000	1.284	0.000	0.01
		B		0.000	0.000	3.485	0.000	0.03
		C		0.000	0.000	2.470	0.000	0.03
L43	13.00-12.75	A	0.774	0.000	0.000	0.428	0.000	0.00
		B		0.000	0.000	1.161	0.000	0.01
		C		0.000	0.000	0.823	0.000	0.01
L44	12.75-8.25	A	0.758	0.000	0.000	7.653	0.000	0.04
		B		0.000	0.000	21.520	0.000	0.20
		C		0.000	0.000	14.784	0.000	0.16

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
L45	8.25-8.00	A	0.739	0.000	0.000	0.422	0.000	0.00
		B		0.000	0.000	1.382	0.000	0.01
		C		0.000	0.000	0.819	0.000	0.01
L46	8.00-5.00	A	0.723	0.000	0.000	5.038	0.000	0.02
		B		0.000	0.000	16.532	0.000	0.14
		C		0.000	0.000	9.812	0.000	0.10
L47	5.00-4.75	A	0.702	0.000	0.000	0.417	0.000	0.00
		B		0.000	0.000	1.125	0.000	0.01
		C		0.000	0.000	0.000	0.000	0.00
L48	4.75-0.00	A	0.653	0.000	0.000	5.226	0.000	0.02
		B		0.000	0.000	16.788	0.000	0.17
		C		0.000	0.000	0.000	0.000	0.09

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	160.00-155.00	-0.2287	0.0000	-0.9822	0.0000
L2	155.00-150.00	-0.2287	0.0000	-0.9853	0.0000
L3	150.00-145.00	-0.2287	0.0000	-0.9880	0.0000
L4	145.00-140.00	-0.2287	0.0000	-0.9903	0.0000
L5	140.00-135.00	-0.2287	0.0000	-0.9921	0.0000
L6	135.00-130.00	-0.2287	0.0000	-0.9935	0.0000
L7	130.00-125.00	0.0753	-0.5112	-0.4858	-0.7791
L8	125.00-117.33	0.2621	-0.8259	-0.1843	-1.2465
L9	117.33-117.00	0.2622	-0.8267	-0.1851	-1.2494
L10	117.00-112.00	0.2622	-0.8270	-0.1842	-1.2495
L11	112.00-107.00	0.2621	-0.8275	-0.1845	-1.2527
L12	107.00-102.00	0.2620	-0.8280	-0.1846	-1.2555
L13	102.00-97.00	-0.7714	-1.4157	-0.9078	-1.6132
L14	97.00-95.83	1.4310	-0.9382	1.3095	-1.1878
L15	95.83-95.58	2.0789	-2.1798	2.1063	-2.6996
L16	95.58-90.58	2.0977	-2.2203	2.1206	-2.7876
L17	90.58-89.83	2.6214	-2.3014	2.5953	-3.0505
L18	89.83-89.58	6.4604	-2.6203	5.4373	-3.5587
L19	89.58-82.50	4.3093	-4.8581	3.5993	-5.4683
L20	82.50-81.50	3.1840	-6.0226	2.7452	-6.3519
L21	81.50-76.50	3.1971	-6.0481	2.7632	-6.3863
L22	76.50-74.25	2.4144	-4.5680	2.1971	-5.0760
L23	74.25-74.00	2.2619	-4.2796	2.0802	-4.8051
L24	74.00-69.00	2.2753	-4.3053	2.0948	-4.8372
L25	69.00-64.00	2.3005	-4.3536	2.1222	-4.8970
L26	64.00-59.00	2.3251	-4.4009	2.1493	-4.9553
L27	59.00-55.75	1.8607	-3.5223	1.7902	-4.1242
L28	55.75-55.50	1.7130	-3.2428	1.6698	-3.8452
L29	55.50-50.50	1.7247	-3.2652	1.6822	-3.8717
L30	50.50-47.75	1.7419	-3.2980	1.7005	-3.9102
L31	47.75-47.50	1.7480	-3.3096	1.7071	-3.9238
L32	47.50-40.58	1.8333	-3.4716	1.7903	-4.1107
L33	40.58-39.58	1.7206	-3.2581	1.6939	-3.8893
L34	39.58-34.58	1.7334	-3.2827	1.7084	-3.9125
L35	34.58-30.75	1.7340	-3.2840	1.7156	-3.9223
L36	30.75-30.50	1.6304	-3.0879	1.6423	-3.7511
L37	30.50-29.00	1.6914	-3.2036	1.6987	-3.8785
L38	29.00-28.75	2.0565	-3.8951	2.0262	-4.6243
L39	28.75-23.75	2.0676	-3.9166	2.0386	-4.6461

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L40	23.75-18.75	2.0888	-3.9571	2.0621	-4.6854
L41	18.75-13.75	1.7540	-4.2010	1.7968	-4.8447
L42	13.75-13.00	0.9468	-4.6915	1.1125	-5.1631
L43	13.00-12.75	0.9480	-4.6982	1.1140	-5.1688
L44	12.75-8.25	1.1971	-4.8178	1.3267	-5.2638
L45	8.25-8.00	2.3410	-5.2740	2.3072	-5.6309
L46	8.00-5.00	2.3501	-5.2952	2.3170	-5.6443
L47	5.00-4.75	7.3875	-7.5013	6.4731	-7.6201
L48	4.75-0.00	6.1376	-7.2104	5.3568	-7.3708

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	Safety Line 3/8	155.00 - 160.00	1.0000	1.0000
L2	1	Safety Line 3/8	150.00 - 155.00	1.0000	1.0000
L3	1	Safety Line 3/8	145.00 - 150.00	1.0000	1.0000
L4	1	Safety Line 3/8	140.00 - 145.00	1.0000	1.0000
L5	1	Safety Line 3/8	135.00 - 140.00	1.0000	1.0000
L6	1	Safety Line 3/8	130.00 - 135.00	1.0000	1.0000
L7	1	Safety Line 3/8	125.00 - 130.00	1.0000	1.0000
L7	11	CU12PSM9P6XXX(1-1/2)	125.00 - 128.00	1.0000	1.0000
L8	1	Safety Line 3/8	117.33 - 125.00	1.0000	1.0000
L8	11	CU12PSM9P6XXX(1-1/2)	117.33 - 125.00	1.0000	1.0000
L9	1	Safety Line 3/8	117.00 - 117.33	1.0000	1.0000
L9	11	CU12PSM9P6XXX(1-1/2)	117.00 - 117.33	1.0000	1.0000
L10	1	Safety Line 3/8	112.00 - 117.00	1.0000	1.0000
L10	11	CU12PSM9P6XXX(1-1/2)	112.00 - 117.00	1.0000	1.0000
L11	1	Safety Line 3/8	107.00 - 112.00	1.0000	1.0000
L11	11	CU12PSM9P6XXX(1-1/2)	107.00 - 112.00	1.0000	1.0000
L12	1	Safety Line 3/8	102.00 - 107.00	1.0000	1.0000
L12	11	CU12PSM9P6XXX(1-1/2)	102.00 - 107.00	1.0000	1.0000
L13	1	Safety Line 3/8	97.00 - 102.00	1.0000	1.0000
L13	11	CU12PSM9P6XXX(1-1/2)	97.00 - 102.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L13	47	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	1.0000	1.0000
L13	48	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	1.0000	1.0000
L13	49	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	1.0000	1.0000
L13	51	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	52	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	53	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	54	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	55	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	56	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	57	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	58	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L14	1	Safety Line 3/8	95.83 - 97.00	1.0000	1.0000
L14	11	CU12PSM9P6XXX(1-1/2)	95.83 - 97.00	1.0000	1.0000
L14	17	LDF7-50A(1-5/8)	95.83 - 96.00	1.0000	1.0000
L14	20	2" Flexible Conduit	95.83 - 96.00	1.0000	1.0000
L14	47	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	1.0000	1.0000
L14	48	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	1.0000	1.0000
L14	49	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	1.0000	1.0000
L14	51	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	52	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	53	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	54	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	55	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	56	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	57	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	58	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L15	1	Safety Line 3/8	95.58 - 95.83	1.0000	1.0000
L15	11	CU12PSM9P6XXX(1-1/2)	95.58 - 95.83	1.0000	1.0000
L15	17	LDF7-50A(1-5/8)	95.58 - 95.83	1.0000	1.0000
L15	20	2" Flexible Conduit	95.58 - 95.83	1.0000	1.0000
L15	47	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	1.0000	1.0000
L15	48	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	1.0000	1.0000
L15	49	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	1.0000	1.0000
L15	51	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	52	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	53	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	54	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	55	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	56	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	57	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	58	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L16	1	Safety Line 3/8	90.58 - 95.58	1.0000	1.0000
L16	11	CU12PSM9P6XXX(1-1/2)	90.58 - 95.58	1.0000	1.0000
L16	17	LDF7-50A(1-5/8)	90.58 - 95.58	1.0000	1.0000
L16	20	2" Flexible Conduit	90.58 - 95.58	1.0000	1.0000
L16	23	LDF4-50A(1/2)	90.58 - 92.00	1.0000	1.0000
L16	47	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	1.0000	1.0000
L16	48	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	1.0000	1.0000
L16	49	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	1.0000	1.0000
L16	51	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L16	52	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	53	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	54	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	55	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	56	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	57	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	58	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L17	1	Safety Line 3/8	89.83 - 90.58	1.0000	1.0000
L17	11	CU12PSM9P6XXX(1-1/2)	89.83 - 90.58	1.0000	1.0000
L17	17	LDF7-50A(1-5/8)	89.83 - 90.58	1.0000	1.0000
L17	20	2" Flexible Conduit	89.83 - 90.58	1.0000	1.0000
L17	23	LDF4-50A(1/2)	89.83 - 90.58	1.0000	1.0000
L17	47	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	1.0000	1.0000
L17	48	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	1.0000	1.0000
L17	49	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	1.0000	1.0000
L17	51	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	52	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	53	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	54	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	55	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	56	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	57	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	58	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L18	1	Safety Line 3/8	89.58 - 89.83	1.0000	1.0000
L18	11	CU12PSM9P6XXX(1-1/2)	89.58 - 89.83	1.0000	1.0000
L18	17	LDF7-50A(1-5/8)	89.58 - 89.83	1.0000	1.0000
L18	20	2" Flexible Conduit	89.58 - 89.83	1.0000	1.0000
L18	23	LDF4-50A(1/2)	89.58 - 89.83	1.0000	1.0000
L18	47	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	1.0000	1.0000
L18	48	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	1.0000	1.0000
L18	49	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	1.0000	1.0000
L19	1	Safety Line 3/8	82.50 - 89.58	1.0000	1.0000
L19	11	CU12PSM9P6XXX(1-1/2)	82.50 - 89.58	1.0000	1.0000
L19	17	LDF7-50A(1-5/8)	82.50 - 89.58	1.0000	1.0000
L19	20	2" Flexible Conduit	82.50 - 89.58	1.0000	1.0000
L19	23	LDF4-50A(1/2)	82.50 - 89.58	1.0000	1.0000
L19	47	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	1.0000	1.0000
L19	48	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	1.0000	1.0000
L19	49	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	1.0000	1.0000
L20	1	Safety Line 3/8	81.50 - 82.50	1.0000	1.0000
L20	11	CU12PSM9P6XXX(1-1/2)	81.50 - 82.50	1.0000	1.0000
L20	17	LDF7-50A(1-5/8)	81.50 - 82.50	1.0000	1.0000
L20	20	2" Flexible Conduit	81.50 - 82.50	1.0000	1.0000
L20	23	LDF4-50A(1/2)	81.50 - 82.50	1.0000	1.0000
L21	1	Safety Line 3/8	76.50 - 81.50	1.0000	1.0000
L21	11	CU12PSM9P6XXX(1-1/2)	76.50 - 81.50	1.0000	1.0000
L21	17	LDF7-50A(1-5/8)	76.50 - 81.50	1.0000	1.0000
L21	20	2" Flexible Conduit	76.50 - 81.50	1.0000	1.0000
L21	23	LDF4-50A(1/2)	76.50 - 81.50	1.0000	1.0000
L22	1	Safety Line 3/8	74.25 - 76.50	1.0000	1.0000
L22	11	CU12PSM9P6XXX(1-1/2)	74.25 - 76.50	1.0000	1.0000
L22	17	LDF7-50A(1-5/8)	74.25 - 76.50	1.0000	1.0000
L22	20	2" Flexible Conduit	74.25 - 76.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L22	23	LDF4-50A(1/2)	74.25 - 76.50	1.0000	1.0000
L22	35	Crown 1x4 (100ksi)	74.25 - 76.00	1.0000	1.0000
L22	36	Crown 1x4 (100ksi)	74.25 - 76.00	1.0000	1.0000
L22	37	Crown 1x4 (100ksi)	74.25 - 76.00	1.0000	1.0000
L23	1	Safety Line 3/8	74.00 - 74.25	1.0000	1.0000
L23	11	CU12PSM9P6XXX(1-1/2)	74.00 - 74.25	1.0000	1.0000
L23	17	LDF7-50A(1-5/8)	74.00 - 74.25	1.0000	1.0000
L23	20	2" Flexible Conduit	74.00 - 74.25	1.0000	1.0000
L23	23	LDF4-50A(1/2)	74.00 - 74.25	1.0000	1.0000
L23	35	Crown 1x4 (100ksi)	74.00 - 74.25	1.0000	1.0000
L23	36	Crown 1x4 (100ksi)	74.00 - 74.25	1.0000	1.0000
L23	37	Crown 1x4 (100ksi)	74.00 - 74.25	1.0000	1.0000
L24	1	Safety Line 3/8	69.00 - 74.00	1.0000	1.0000
L24	11	CU12PSM9P6XXX(1-1/2)	69.00 - 74.00	1.0000	1.0000
L24	17	LDF7-50A(1-5/8)	69.00 - 74.00	1.0000	1.0000
L24	20	2" Flexible Conduit	69.00 - 74.00	1.0000	1.0000
L24	23	LDF4-50A(1/2)	69.00 - 74.00	1.0000	1.0000
L24	35	Crown 1x4 (100ksi)	69.00 - 74.00	1.0000	1.0000
L24	36	Crown 1x4 (100ksi)	69.00 - 74.00	1.0000	1.0000
L24	37	Crown 1x4 (100ksi)	69.00 - 74.00	1.0000	1.0000
L25	1	Safety Line 3/8	64.00 - 69.00	1.0000	1.0000
L25	11	CU12PSM9P6XXX(1-1/2)	64.00 - 69.00	1.0000	1.0000
L25	17	LDF7-50A(1-5/8)	64.00 - 69.00	1.0000	1.0000
L25	20	2" Flexible Conduit	64.00 - 69.00	1.0000	1.0000
L25	23	LDF4-50A(1/2)	64.00 - 69.00	1.0000	1.0000
L25	35	Crown 1x4 (100ksi)	64.00 - 69.00	1.0000	1.0000
L25	36	Crown 1x4 (100ksi)	64.00 - 69.00	1.0000	1.0000
L25	37	Crown 1x4 (100ksi)	64.00 - 69.00	1.0000	1.0000
L26	1	Safety Line 3/8	59.00 - 64.00	1.0000	1.0000
L26	11	CU12PSM9P6XXX(1-1/2)	59.00 - 64.00	1.0000	1.0000
L26	17	LDF7-50A(1-5/8)	59.00 - 64.00	1.0000	1.0000
L26	20	2" Flexible Conduit	59.00 - 64.00	1.0000	1.0000
L26	23	LDF4-50A(1/2)	59.00 - 64.00	1.0000	1.0000
L26	35	Crown 1x4 (100ksi)	59.00 - 64.00	1.0000	1.0000
L26	36	Crown 1x4 (100ksi)	59.00 - 64.00	1.0000	1.0000
L26	37	Crown 1x4 (100ksi)	59.00 - 64.00	1.0000	1.0000
L27	1	Safety Line 3/8	55.75 - 59.00	1.0000	1.0000
L27	11	CU12PSM9P6XXX(1-1/2)	55.75 - 59.00	1.0000	1.0000
L27	17	LDF7-50A(1-5/8)	55.75 - 59.00	1.0000	1.0000
L27	20	2" Flexible Conduit	55.75 - 59.00	1.0000	1.0000
L27	23	LDF4-50A(1/2)	55.75 - 59.00	1.0000	1.0000
L27	31	PL 1.25x5.25	55.75 - 58.00	1.0000	1.0000
L27	32	PL 1.25x5.25	55.75 - 58.00	1.0000	1.0000
L27	33	PL 1.25x5.25	55.75 - 58.00	1.0000	1.0000
L27	35	Crown 1x4 (100ksi)	55.75 - 59.00	1.0000	1.0000
L27	36	Crown 1x4 (100ksi)	55.75 - 59.00	1.0000	1.0000
L27	37	Crown 1x4 (100ksi)	55.75 - 59.00	1.0000	1.0000
L28	1	Safety Line 3/8	55.50 - 55.75	1.0000	1.0000
L28	11	CU12PSM9P6XXX(1-1/2)	55.50 - 55.75	1.0000	1.0000
L28	17	LDF7-50A(1-5/8)	55.50 - 55.75	1.0000	1.0000
L28	20	2" Flexible Conduit	55.50 - 55.75	1.0000	1.0000
L28	23	LDF4-50A(1/2)	55.50 - 55.75	1.0000	1.0000
L28	31	PL 1.25x5.25	55.50 - 55.75	1.0000	1.0000
L28	32	PL 1.25x5.25	55.50 - 55.75	1.0000	1.0000
L28	33	PL 1.25x5.25	55.50 - 55.75	1.0000	1.0000
L28	35	Crown 1x4 (100ksi)	55.50 - 55.75	1.0000	1.0000
L28	36	Crown 1x4 (100ksi)	55.50 - 55.75	1.0000	1.0000
L28	37	Crown 1x4 (100ksi)	55.50 - 55.75	1.0000	1.0000
L29	1	Safety Line 3/8	50.50 - 55.50	1.0000	1.0000
L29	11	CU12PSM9P6XXX(1-1/2)	50.50 - 55.50	1.0000	1.0000
L29	17	LDF7-50A(1-5/8)	50.50 - 55.50	1.0000	1.0000
L29	20	2" Flexible Conduit	50.50 - 55.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L29	23	LDF4-50A(1/2)	50.50 - 55.50	1.0000	1.0000
L29	31	PL 1.25x5.25	50.50 - 55.50	1.0000	1.0000
L29	32	PL 1.25x5.25	50.50 - 55.50	1.0000	1.0000
L29	33	PL 1.25x5.25	50.50 - 55.50	1.0000	1.0000
L29	35	Crown 1x4 (100ksi)	50.50 - 55.50	1.0000	1.0000
L29	36	Crown 1x4 (100ksi)	50.50 - 55.50	1.0000	1.0000
L29	37	Crown 1x4 (100ksi)	50.50 - 55.50	1.0000	1.0000
L30	1	Safety Line 3/8	47.75 - 50.50	1.0000	1.0000
L30	11	CU12PSM9P6XXX(1-1/2)	47.75 - 50.50	1.0000	1.0000
L30	17	LDF7-50A(1-5/8)	47.75 - 50.50	1.0000	1.0000
L30	20	2" Flexible Conduit	47.75 - 50.50	1.0000	1.0000
L30	23	LDF4-50A(1/2)	47.75 - 50.50	1.0000	1.0000
L30	31	PL 1.25x5.25	47.75 - 50.50	1.0000	1.0000
L30	32	PL 1.25x5.25	47.75 - 50.50	1.0000	1.0000
L30	33	PL 1.25x5.25	47.75 - 50.50	1.0000	1.0000
L30	35	Crown 1x4 (100ksi)	47.75 - 50.50	1.0000	1.0000
L30	36	Crown 1x4 (100ksi)	47.75 - 50.50	1.0000	1.0000
L30	37	Crown 1x4 (100ksi)	47.75 - 50.50	1.0000	1.0000
L31	1	Safety Line 3/8	47.50 - 47.75	1.0000	1.0000
L31	11	CU12PSM9P6XXX(1-1/2)	47.50 - 47.75	1.0000	1.0000
L31	17	LDF7-50A(1-5/8)	47.50 - 47.75	1.0000	1.0000
L31	20	2" Flexible Conduit	47.50 - 47.75	1.0000	1.0000
L31	23	LDF4-50A(1/2)	47.50 - 47.75	1.0000	1.0000
L31	31	PL 1.25x5.25	47.50 - 47.75	1.0000	1.0000
L31	32	PL 1.25x5.25	47.50 - 47.75	1.0000	1.0000
L31	33	PL 1.25x5.25	47.50 - 47.75	1.0000	1.0000
L31	35	Crown 1x4 (100ksi)	47.50 - 47.75	1.0000	1.0000
L31	36	Crown 1x4 (100ksi)	47.50 - 47.75	1.0000	1.0000
L31	37	Crown 1x4 (100ksi)	47.50 - 47.75	1.0000	1.0000
L32	1	Safety Line 3/8	40.58 - 47.50	1.0000	1.0000
L32	11	CU12PSM9P6XXX(1-1/2)	40.58 - 47.50	1.0000	1.0000
L32	17	LDF7-50A(1-5/8)	40.58 - 47.50	1.0000	1.0000
L32	20	2" Flexible Conduit	40.58 - 47.50	1.0000	1.0000
L32	23	LDF4-50A(1/2)	40.58 - 47.50	1.0000	1.0000
L32	31	PL 1.25x5.25	40.58 - 47.50	1.0000	1.0000
L32	32	PL 1.25x5.25	40.58 - 47.50	1.0000	1.0000
L32	33	PL 1.25x5.25	40.58 - 47.50	1.0000	1.0000
L32	35	Crown 1x4 (100ksi)	46.00 - 47.50	1.0000	1.0000
L32	36	Crown 1x4 (100ksi)	46.00 - 47.50	1.0000	1.0000
L32	37	Crown 1x4 (100ksi)	46.00 - 47.50	1.0000	1.0000
L32	43	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	1.0000	1.0000
L32	44	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	1.0000	1.0000
L32	45	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	1.0000	1.0000
L33	1	Safety Line 3/8	39.58 - 40.58	1.0000	1.0000
L33	11	CU12PSM9P6XXX(1-1/2)	39.58 - 40.58	1.0000	1.0000
L33	17	LDF7-50A(1-5/8)	39.58 - 40.58	1.0000	1.0000
L33	20	2" Flexible Conduit	39.58 - 40.58	1.0000	1.0000
L33	23	LDF4-50A(1/2)	39.58 - 40.58	1.0000	1.0000
L33	31	PL 1.25x5.25	39.58 - 40.58	1.0000	1.0000
L33	32	PL 1.25x5.25	39.58 - 40.58	1.0000	1.0000
L33	33	PL 1.25x5.25	39.58 - 40.58	1.0000	1.0000
L33	43	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	1.0000	1.0000
L33	44	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	1.0000	1.0000
L33	45	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	1.0000	1.0000
L34	1	Safety Line 3/8	34.58 - 39.58	1.0000	1.0000
L34	11	CU12PSM9P6XXX(1-1/2)	34.58 - 39.58	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L34	17	LDF7-50A(1-5/8)	34.58 - 39.58	1.0000	1.0000
L34	20	2" Flexible Conduit	34.58 - 39.58	1.0000	1.0000
L34	23	LDF4-50A(1/2)	34.58 - 39.58	1.0000	1.0000
L34	31	PL 1.25x5.25	34.58 - 39.58	1.0000	1.0000
L34	32	PL 1.25x5.25	34.58 - 39.58	1.0000	1.0000
L34	33	PL 1.25x5.25	34.58 - 39.58	1.0000	1.0000
L34	43	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	1.0000	1.0000
L34	44	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	1.0000	1.0000
L34	45	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	1.0000	1.0000
L35	1	Safety Line 3/8	30.75 - 34.58	1.0000	1.0000
L35	11	CU12PSM9P6XXX(1-1/2)	30.75 - 34.58	1.0000	1.0000
L35	17	LDF7-50A(1-5/8)	30.75 - 34.58	1.0000	1.0000
L35	20	2" Flexible Conduit	30.75 - 34.58	1.0000	1.0000
L35	23	LDF4-50A(1/2)	30.75 - 34.58	1.0000	1.0000
L35	27	PL 1.25x6.875	30.75 - 31.25	1.0000	1.0000
L35	28	PL 1.25x6.875	30.75 - 31.25	1.0000	1.0000
L35	29	PL 1.25x6.875	30.75 - 31.25	1.0000	1.0000
L35	31	PL 1.25x5.25	31.25 - 34.58	1.0000	1.0000
L35	32	PL 1.25x5.25	31.25 - 34.58	1.0000	1.0000
L35	33	PL 1.25x5.25	31.25 - 34.58	1.0000	1.0000
L35	43	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	1.0000	1.0000
L35	44	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	1.0000	1.0000
L35	45	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	1.0000	1.0000
L36	1	Safety Line 3/8	30.50 - 30.75	1.0000	1.0000
L36	11	CU12PSM9P6XXX(1-1/2)	30.50 - 30.75	1.0000	1.0000
L36	17	LDF7-50A(1-5/8)	30.50 - 30.75	1.0000	1.0000
L36	20	2" Flexible Conduit	30.50 - 30.75	1.0000	1.0000
L36	23	LDF4-50A(1/2)	30.50 - 30.75	1.0000	1.0000
L36	27	PL 1.25x6.875	30.50 - 30.75	1.0000	1.0000
L36	28	PL 1.25x6.875	30.50 - 30.75	1.0000	1.0000
L36	29	PL 1.25x6.875	30.50 - 30.75	1.0000	1.0000
L36	43	(Area) Sabre MS450 (1.00x4.50)	30.50 - 30.75	1.0000	1.0000
L36	44	(Area) Sabre MS450 (1.00x4.50)	30.50 - 30.75	1.0000	1.0000
L36	45	(Area) Sabre MS450 (1.00x4.50)	30.50 - 30.75	1.0000	1.0000
L37	1	Safety Line 3/8	29.00 - 30.50	1.0000	1.0000
L37	11	CU12PSM9P6XXX(1-1/2)	29.00 - 30.50	1.0000	1.0000
L37	17	LDF7-50A(1-5/8)	29.00 - 30.50	1.0000	1.0000
L37	20	2" Flexible Conduit	29.00 - 30.50	1.0000	1.0000
L37	23	LDF4-50A(1/2)	29.00 - 30.50	1.0000	1.0000
L37	27	PL 1.25x6.875	29.00 - 30.50	1.0000	1.0000
L37	28	PL 1.25x6.875	29.00 - 30.50	1.0000	1.0000
L37	29	PL 1.25x6.875	29.00 - 30.50	1.0000	1.0000
L37	43	(Area) Sabre MS450 (1.00x4.50)	29.25 - 30.50	1.0000	1.0000
L37	44	(Area) Sabre MS450 (1.00x4.50)	29.25 - 30.50	1.0000	1.0000
L37	45	(Area) Sabre MS450 (1.00x4.50)	29.25 - 30.50	1.0000	1.0000
L38	1	Safety Line 3/8	28.75 - 29.00	1.0000	1.0000
L38	11	CU12PSM9P6XXX(1-1/2)	28.75 - 29.00	1.0000	1.0000
L38	17	LDF7-50A(1-5/8)	28.75 - 29.00	1.0000	1.0000
L38	20	2" Flexible Conduit	28.75 - 29.00	1.0000	1.0000
L38	23	LDF4-50A(1/2)	28.75 - 29.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L38	27	PL 1.25x6.875	28.75 - 29.00	1.0000	1.0000
L38	28	PL 1.25x6.875	28.75 - 29.00	1.0000	1.0000
L38	29	PL 1.25x6.875	28.75 - 29.00	1.0000	1.0000
L39	1	Safety Line 3/8	23.75 - 28.75	1.0000	1.0000
L39	11	CU12PSM9P6XXX(1-1/2)	23.75 - 28.75	1.0000	1.0000
L39	17	LDF7-50A(1-5/8)	23.75 - 28.75	1.0000	1.0000
L39	20	2" Flexible Conduit	23.75 - 28.75	1.0000	1.0000
L39	23	LDF4-50A(1/2)	23.75 - 28.75	1.0000	1.0000
L39	27	PL 1.25x6.875	23.75 - 28.75	1.0000	1.0000
L39	28	PL 1.25x6.875	23.75 - 28.75	1.0000	1.0000
L39	29	PL 1.25x6.875	23.75 - 28.75	1.0000	1.0000
L40	1	Safety Line 3/8	18.75 - 23.75	1.0000	1.0000
L40	11	CU12PSM9P6XXX(1-1/2)	18.75 - 23.75	1.0000	1.0000
L40	17	LDF7-50A(1-5/8)	18.75 - 23.75	1.0000	1.0000
L40	20	2" Flexible Conduit	18.75 - 23.75	1.0000	1.0000
L40	23	LDF4-50A(1/2)	18.75 - 23.75	1.0000	1.0000
L40	27	PL 1.25x6.875	18.75 - 23.75	1.0000	1.0000
L40	28	PL 1.25x6.875	18.75 - 23.75	1.0000	1.0000
L40	29	PL 1.25x6.875	18.75 - 23.75	1.0000	1.0000
L41	1	Safety Line 3/8	13.75 - 18.75	1.0000	1.0000
L41	11	CU12PSM9P6XXX(1-1/2)	13.75 - 18.75	1.0000	1.0000
L41	17	LDF7-50A(1-5/8)	13.75 - 18.75	1.0000	1.0000
L41	20	2" Flexible Conduit	13.75 - 18.75	1.0000	1.0000
L41	23	LDF4-50A(1/2)	13.75 - 18.75	1.0000	1.0000
L41	27	PL 1.25x6.875	13.75 - 18.75	1.0000	1.0000
L41	28	PL 1.25x6.875	13.75 - 18.75	1.0000	1.0000
L41	29	PL 1.25x6.875	13.75 - 18.75	1.0000	1.0000
L41	39	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	1.0000	1.0000
L41	40	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	1.0000	1.0000
L41	41	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	1.0000	1.0000
L42	1	Safety Line 3/8	13.00 - 13.75	1.0000	1.0000
L42	11	CU12PSM9P6XXX(1-1/2)	13.00 - 13.75	1.0000	1.0000
L42	17	LDF7-50A(1-5/8)	13.00 - 13.75	1.0000	1.0000
L42	20	2" Flexible Conduit	13.00 - 13.75	1.0000	1.0000
L42	23	LDF4-50A(1/2)	13.00 - 13.75	1.0000	1.0000
L42	27	PL 1.25x6.875	13.00 - 13.75	1.0000	1.0000
L42	28	PL 1.25x6.875	13.00 - 13.75	1.0000	1.0000
L42	29	PL 1.25x6.875	13.00 - 13.75	1.0000	1.0000
L42	39	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	1.0000	1.0000
L42	40	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	1.0000	1.0000
L42	41	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	1.0000	1.0000
L43	1	Safety Line 3/8	12.75 - 13.00	1.0000	1.0000
L43	11	CU12PSM9P6XXX(1-1/2)	12.75 - 13.00	1.0000	1.0000
L43	17	LDF7-50A(1-5/8)	12.75 - 13.00	1.0000	1.0000
L43	20	2" Flexible Conduit	12.75 - 13.00	1.0000	1.0000
L43	23	LDF4-50A(1/2)	12.75 - 13.00	1.0000	1.0000
L43	27	PL 1.25x6.875	12.75 - 13.00	1.0000	1.0000
L43	28	PL 1.25x6.875	12.75 - 13.00	1.0000	1.0000
L43	29	PL 1.25x6.875	12.75 - 13.00	1.0000	1.0000
L43	39	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	1.0000	1.0000
L43	40	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	1.0000	1.0000
L43	41	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	1.0000	1.0000
L44	1	Safety Line 3/8	8.25 - 12.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L44	11	CU12PSM9P6XXX(1-1/2)	8.25 - 12.75	1.0000	1.0000
L44	17	LDF7-50A(1-5/8)	8.25 - 12.75	1.0000	1.0000
L44	20	2" Flexible Conduit	8.25 - 12.75	1.0000	1.0000
L44	23	LDF4-50A(1/2)	8.25 - 12.75	1.0000	1.0000
L44	26	PL 1.25x6.25	8.25 - 9.00	1.0000	1.0000
L44	27	PL 1.25x6.875	8.25 - 12.75	1.0000	1.0000
L44	28	PL 1.25x6.875	8.25 - 12.75	1.0000	1.0000
L44	29	PL 1.25x6.875	8.25 - 12.75	1.0000	1.0000
L44	39	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	1.0000	1.0000
L44	40	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	1.0000	1.0000
L44	41	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	1.0000	1.0000
L45	1	Safety Line 3/8	8.00 - 8.25	1.0000	1.0000
L45	11	CU12PSM9P6XXX(1-1/2)	8.00 - 8.25	1.0000	1.0000
L45	17	LDF7-50A(1-5/8)	8.00 - 8.25	1.0000	1.0000
L45	20	2" Flexible Conduit	8.00 - 8.25	1.0000	1.0000
L45	23	LDF4-50A(1/2)	8.00 - 8.25	1.0000	1.0000
L45	26	PL 1.25x6.25	8.00 - 8.25	1.0000	1.0000
L45	27	PL 1.25x6.875	8.00 - 8.25	1.0000	1.0000
L45	28	PL 1.25x6.875	8.00 - 8.25	1.0000	1.0000
L45	29	PL 1.25x6.875	8.00 - 8.25	1.0000	1.0000
L45	39	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	1.0000	1.0000
L45	40	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	1.0000	1.0000
L45	41	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	1.0000	1.0000
L46	1	Safety Line 3/8	5.00 - 8.00	1.0000	1.0000
L46	11	CU12PSM9P6XXX(1-1/2)	5.00 - 8.00	1.0000	1.0000
L46	17	LDF7-50A(1-5/8)	5.00 - 8.00	1.0000	1.0000
L46	20	2" Flexible Conduit	5.00 - 8.00	1.0000	1.0000
L46	23	LDF4-50A(1/2)	5.00 - 8.00	1.0000	1.0000
L46	26	PL 1.25x6.25	5.00 - 8.00	1.0000	1.0000
L46	27	PL 1.25x6.875	5.00 - 8.00	1.0000	1.0000
L46	28	PL 1.25x6.875	5.00 - 8.00	1.0000	1.0000
L46	29	PL 1.25x6.875	5.00 - 8.00	1.0000	1.0000
L46	39	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	1.0000	1.0000
L46	40	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	1.0000	1.0000
L46	41	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	1.0000	1.0000
L47	1	Safety Line 3/8	4.75 - 5.00	1.0000	1.0000
L47	11	CU12PSM9P6XXX(1-1/2)	4.75 - 5.00	1.0000	1.0000
L47	17	LDF7-50A(1-5/8)	4.75 - 5.00	1.0000	1.0000
L47	20	2" Flexible Conduit	4.75 - 5.00	1.0000	1.0000
L47	23	LDF4-50A(1/2)	4.75 - 5.00	1.0000	1.0000
L47	26	PL 1.25x6.25	4.75 - 5.00	1.0000	1.0000
L47	27	PL 1.25x6.875	4.75 - 5.00	1.0000	1.0000
L47	28	PL 1.25x6.875	4.75 - 5.00	1.0000	1.0000
L48	1	Safety Line 3/8	0.00 - 4.75	1.0000	1.0000
L48	11	CU12PSM9P6XXX(1-1/2)	0.00 - 4.75	1.0000	1.0000
L48	17	LDF7-50A(1-5/8)	0.00 - 4.75	1.0000	1.0000
L48	20	2" Flexible Conduit	0.00 - 4.75	1.0000	1.0000
L48	23	LDF4-50A(1/2)	0.00 - 4.75	1.0000	1.0000
L48	26	PL 1.25x6.25	2.00 - 4.75	1.0000	1.0000
L48	27	PL 1.25x6.875	2.00 - 4.75	1.0000	1.0000
L48	28	PL 1.25x6.875	2.00 - 4.75	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
L13	47	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	Auto	0.0000
L13	48	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	Auto	0.0000
L13	49	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	Auto	0.0000
L13	51	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	52	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	53	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	54	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	55	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	56	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	57	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	58	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L14	47	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	Auto	0.0000
L14	48	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	Auto	0.0000
L14	49	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	Auto	0.0000
L14	51	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	52	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	53	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	54	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	55	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	56	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	57	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	58	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L15	47	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	Auto	0.0000
L15	48	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	Auto	0.0000
L15	49	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	Auto	0.0000
L15	51	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	52	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	53	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	54	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	55	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	56	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	57	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	58	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L16	47	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	Auto	0.0000
L16	48	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	Auto	0.0000
L16	49	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	Auto	0.0000
L16	51	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	52	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	53	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L16	54	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	55	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	56	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	57	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	58	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L17	47	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	Auto	0.0000
L17	48	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	Auto	0.0000
L17	49	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	Auto	0.0000
L17	51	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	52	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	53	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	54	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	55	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	56	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	57	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	58	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L18	47	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	Auto	0.0000
L18	48	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	Auto	0.0000
L18	49	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	Auto	0.0000
L19	47	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	Auto	0.0000
L19	48	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	Auto	0.0000
L19	49	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	Auto	0.0000
L22	35	Crown 1x4 (100ksi)	74.25 - 76.00	Auto	0.0000
L22	36	Crown 1x4 (100ksi)	74.25 - 76.00	Auto	0.0000
L22	37	Crown 1x4 (100ksi)	74.25 - 76.00	Auto	0.0000
L23	35	Crown 1x4 (100ksi)	74.00 - 74.25	Auto	0.0000
L23	36	Crown 1x4 (100ksi)	74.00 - 74.25	Auto	0.0000
L23	37	Crown 1x4 (100ksi)	74.00 - 74.25	Auto	0.0000
L24	35	Crown 1x4 (100ksi)	69.00 - 74.00	Auto	0.0000
L24	36	Crown 1x4 (100ksi)	69.00 - 74.00	Auto	0.0000
L24	37	Crown 1x4 (100ksi)	69.00 - 74.00	Auto	0.0000
L25	35	Crown 1x4 (100ksi)	64.00 - 69.00	Auto	0.0000
L25	36	Crown 1x4 (100ksi)	64.00 - 69.00	Auto	0.0000
L25	37	Crown 1x4 (100ksi)	64.00 - 69.00	Auto	0.0000
L26	35	Crown 1x4 (100ksi)	59.00 - 64.00	Auto	0.0000
L26	36	Crown 1x4 (100ksi)	59.00 - 64.00	Auto	0.0000
L26	37	Crown 1x4 (100ksi)	59.00 - 64.00	Auto	0.0000
L27	31	PL 1.25x5.25	55.75 - 58.00	Auto	0.0000
L27	32	PL 1.25x5.25	55.75 - 58.00	Auto	0.0000
L27	33	PL 1.25x5.25	55.75 - 58.00	Auto	0.0000
L27	35	Crown 1x4 (100ksi)	55.75 - 59.00	Auto	0.0000
L27	36	Crown 1x4 (100ksi)	55.75 - 59.00	Auto	0.0000
L27	37	Crown 1x4 (100ksi)	55.75 - 59.00	Auto	0.0000
L28	31	PL 1.25x5.25	55.50 - 55.75	Auto	0.0000
L28	32	PL 1.25x5.25	55.50 - 55.75	Auto	0.0000
L28	33	PL 1.25x5.25	55.50 - 55.75	Auto	0.0000
L28	35	Crown 1x4 (100ksi)	55.50 - 55.75	Auto	0.0000
L28	36	Crown 1x4 (100ksi)	55.50 - 55.75	Auto	0.0000
L28	37	Crown 1x4 (100ksi)	55.50 - 55.75	Auto	0.0000
L29	31	PL 1.25x5.25	50.50 - 55.50	Auto	0.0000
L29	32	PL 1.25x5.25	50.50 - 55.50	Auto	0.0000
L29	33	PL 1.25x5.25	50.50 - 55.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L29	35	Crown 1x4 (100ksi)	50.50 - 55.50	Auto	0.0000
L29	36	Crown 1x4 (100ksi)	50.50 - 55.50	Auto	0.0000
L29	37	Crown 1x4 (100ksi)	50.50 - 55.50	Auto	0.0000
L30	31	PL 1.25x5.25	47.75 - 50.50	Auto	0.0000
L30	32	PL 1.25x5.25	47.75 - 50.50	Auto	0.0000
L30	33	PL 1.25x5.25	47.75 - 50.50	Auto	0.0000
L30	35	Crown 1x4 (100ksi)	47.75 - 50.50	Auto	0.0000
L30	36	Crown 1x4 (100ksi)	47.75 - 50.50	Auto	0.0000
L30	37	Crown 1x4 (100ksi)	47.75 - 50.50	Auto	0.0000
L31	31	PL 1.25x5.25	47.50 - 47.75	Auto	0.0000
L31	32	PL 1.25x5.25	47.50 - 47.75	Auto	0.0000
L31	33	PL 1.25x5.25	47.50 - 47.75	Auto	0.0000
L31	35	Crown 1x4 (100ksi)	47.50 - 47.75	Auto	0.0000
L31	36	Crown 1x4 (100ksi)	47.50 - 47.75	Auto	0.0000
L31	37	Crown 1x4 (100ksi)	47.50 - 47.75	Auto	0.0000
L32	31	PL 1.25x5.25	40.58 - 47.50	Auto	0.0000
L32	32	PL 1.25x5.25	40.58 - 47.50	Auto	0.0000
L32	33	PL 1.25x5.25	40.58 - 47.50	Auto	0.0000
L32	35	Crown 1x4 (100ksi)	46.00 - 47.50	Auto	0.0000
L32	36	Crown 1x4 (100ksi)	46.00 - 47.50	Auto	0.0000
L32	37	Crown 1x4 (100ksi)	46.00 - 47.50	Auto	0.0000
L32	43	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	Auto	0.0000
L32	44	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	Auto	0.0000
L32	45	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	Auto	0.0000
L33	31	PL 1.25x5.25	39.58 - 40.58	Auto	0.0000
L33	32	PL 1.25x5.25	39.58 - 40.58	Auto	0.0000
L33	33	PL 1.25x5.25	39.58 - 40.58	Auto	0.0000
L33	43	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	Auto	0.0000
L33	44	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	Auto	0.0000
L33	45	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	Auto	0.0000
L34	31	PL 1.25x5.25	34.58 - 39.58	Auto	0.0000
L34	32	PL 1.25x5.25	34.58 - 39.58	Auto	0.0000
L34	33	PL 1.25x5.25	34.58 - 39.58	Auto	0.0000
L34	43	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	Auto	0.0000
L34	44	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	Auto	0.0000
L34	45	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	Auto	0.0000
L35	27	PL 1.25x6.875	30.75 - 31.25	Auto	0.0000
L35	28	PL 1.25x6.875	30.75 - 31.25	Auto	0.0000
L35	29	PL 1.25x6.875	30.75 - 31.25	Auto	0.0000
L35	31	PL 1.25x5.25	31.25 - 34.58	Auto	0.0000
L35	32	PL 1.25x5.25	31.25 - 34.58	Auto	0.0000
L35	33	PL 1.25x5.25	31.25 - 34.58	Auto	0.0000
L35	43	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	Auto	0.0000
L35	44	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	Auto	0.0000
L35	45	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	Auto	0.0000
L36	27	PL 1.25x6.875	30.50 - 30.75	Auto	0.0000
L36	28	PL 1.25x6.875	30.50 - 30.75	Auto	0.0000
L36	29	PL 1.25x6.875	30.50 - 30.75	Auto	0.0000
L36	43	(Area) Sabre MS450	30.50 - 30.75	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
		(1.00x4.50)			
L36	44	(Area) Sabre MS450 (1.00x4.50)	30.50 - 30.75	Auto	0.0000
L36	45	(Area) Sabre MS450 (1.00x4.50)	30.50 - 30.75	Auto	0.0000
L37	27	PL 1.25x6.875	29.00 - 30.50	Auto	0.0000
L37	28	PL 1.25x6.875	29.00 - 30.50	Auto	0.0000
L37	29	PL 1.25x6.875	29.00 - 30.50	Auto	0.0000
L37	43	(Area) Sabre MS450 (1.00x4.50)	29.25 - 30.50	Auto	0.0000
L37	44	(Area) Sabre MS450 (1.00x4.50)	29.25 - 30.50	Auto	0.0000
L37	45	(Area) Sabre MS450 (1.00x4.50)	29.25 - 30.50	Auto	0.0000
L38	27	PL 1.25x6.875	28.75 - 29.00	Auto	0.0000
L38	28	PL 1.25x6.875	28.75 - 29.00	Auto	0.0000
L38	29	PL 1.25x6.875	28.75 - 29.00	Auto	0.0000
L39	27	PL 1.25x6.875	23.75 - 28.75	Auto	0.0000
L39	28	PL 1.25x6.875	23.75 - 28.75	Auto	0.0000
L39	29	PL 1.25x6.875	23.75 - 28.75	Auto	0.0000
L40	27	PL 1.25x6.875	18.75 - 23.75	Auto	0.0000
L40	28	PL 1.25x6.875	18.75 - 23.75	Auto	0.0000
L40	29	PL 1.25x6.875	18.75 - 23.75	Auto	0.0000
L41	27	PL 1.25x6.875	13.75 - 18.75	Auto	0.0000
L41	28	PL 1.25x6.875	13.75 - 18.75	Auto	0.0000
L41	29	PL 1.25x6.875	13.75 - 18.75	Auto	0.0000
L41	39	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	Auto	0.0000
L41	40	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	Auto	0.0000
L41	41	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	Auto	0.0000
L42	27	PL 1.25x6.875	13.00 - 13.75	Auto	0.0000
L42	28	PL 1.25x6.875	13.00 - 13.75	Auto	0.0000
L42	29	PL 1.25x6.875	13.00 - 13.75	Auto	0.0000
L42	39	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	Auto	0.0000
L42	40	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	Auto	0.0000
L42	41	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	Auto	0.0000
L43	27	PL 1.25x6.875	12.75 - 13.00	Auto	0.0000
L43	28	PL 1.25x6.875	12.75 - 13.00	Auto	0.0000
L43	29	PL 1.25x6.875	12.75 - 13.00	Auto	0.0000
L43	39	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	Auto	0.0000
L43	40	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	Auto	0.0000
L43	41	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	Auto	0.0000
L44	26	PL 1.25x6.25	8.25 - 9.00	Auto	0.0000
L44	27	PL 1.25x6.875	8.25 - 12.75	Auto	0.0000
L44	28	PL 1.25x6.875	8.25 - 12.75	Auto	0.0000
L44	29	PL 1.25x6.875	8.25 - 12.75	Auto	0.0000
L44	39	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	Auto	0.0000
L44	40	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	Auto	0.0000
L44	41	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	Auto	0.0000
L45	26	PL 1.25x6.25	8.00 - 8.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L45	27	PL 1.25x6.875	8.00 - 8.25	Auto	0.0000
L45	28	PL 1.25x6.875	8.00 - 8.25	Auto	0.0000
L45	29	PL 1.25x6.875	8.00 - 8.25	Auto	0.0000
L45	39	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	Auto	0.0000
L45	40	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	Auto	0.0000
L45	41	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	Auto	0.0000
L46	26	PL 1.25x6.25	5.00 - 8.00	Auto	0.0000
L46	27	PL 1.25x6.875	5.00 - 8.00	Auto	0.0000
L46	28	PL 1.25x6.875	5.00 - 8.00	Auto	0.0000
L46	29	PL 1.25x6.875	5.00 - 8.00	Auto	0.0000
L46	39	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	Auto	0.0000
L46	40	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	Auto	0.0000
L46	41	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	Auto	0.0000
L47	26	PL 1.25x6.25	4.75 - 5.00	Auto	0.0000
L47	27	PL 1.25x6.875	4.75 - 5.00	Auto	0.0000
L47	28	PL 1.25x6.875	4.75 - 5.00	Auto	0.0000
L48	26	PL 1.25x6.25	2.00 - 4.75	Auto	0.0000
L48	27	PL 1.25x6.875	2.00 - 4.75	Auto	0.0000
L48	28	PL 1.25x6.875	2.00 - 4.75	Auto	0.0000

Discrete Tower Loads

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
** 159' **									
APXVSPP18-C-A20 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 1.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	4.60 5.05 5.50	4.01 4.45 4.89	0.10 0.16 0.23
APXVSPP18-C-A20 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 1.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	4.60 5.05 5.50	4.01 4.45 4.89	0.10 0.16 0.23
APXV9ERR18-C-A20 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 1.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	4.60 5.05 5.50	4.01 4.45 4.89	0.10 0.16 0.23
APXVTM14-C-120 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 1.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
APXVTM14-C-120 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 1.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
APXVTM14-C-120 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 1.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19

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
TD-RRH8x20-25	A	From Centroid-Face	4.00 0.00 1.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
TD-RRH8x20-25	B	From Centroid-Face	4.00 0.00 1.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
TD-RRH8x20-25	C	From Centroid-Face	4.00 0.00 1.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
2.4" Dia x 6-ft Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	1.43 1.93 2.30	1.43 1.93 2.30	0.02 0.03 0.05
2.4" Dia x 6-ft Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	1.43 1.93 2.30	1.43 1.93 2.30	0.02 0.03 0.05
2.4" Dia x 6-ft Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	1.43 1.93 2.30	1.43 1.93 2.30	0.02 0.03 0.05
(3) 2.4" Dia x 4-ft Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	0.87 1.12 1.37	0.87 1.12 1.37	0.01 0.02 0.03
(3) 2.4" Dia x 4-ft Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	0.87 1.12 1.37	0.87 1.12 1.37	0.01 0.02 0.03
(3) 2.4" Dia x 4-ft Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	0.87 1.12 1.37	0.87 1.12 1.37	0.01 0.02 0.03
Platform Mount [LP 713-1]	C	None		0.0000	159.00	No Ice 1/2" Ice 1" Ice	32.89 35.76 38.76	32.89 35.76 38.76	1.51 2.23 3.03
155									
800MHZ 2X50W RRH W/FILTER	A	From Face	2.00 0.00 -1.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.06 2.24 2.43	1.93 2.11 2.29	0.06 0.09 0.11
800MHZ 2X50W RRH W/FILTER	B	From Face	2.00 0.00 -1.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.06 2.24 2.43	1.93 2.11 2.29	0.06 0.09 0.11
800MHZ 2X50W RRH W/FILTER	C	From Face	2.00 0.00 -1.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.06 2.24 2.43	1.93 2.11 2.29	0.06 0.09 0.11
PCS 1900MHZ 4X45W-65MHZ	A	From Face	2.00 0.00 -1.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.32 2.53 2.74	2.24 2.44 2.65	0.06 0.08 0.11
PCS 1900MHZ 4X45W-65MHZ	B	From Face	2.00 0.00 -1.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.32 2.53 2.74	2.24 2.44 2.65	0.06 0.08 0.11
PCS 1900MHZ 4X45W-65MHZ	C	From Face	2.00 0.00 -1.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.32 2.53 2.74	2.24 2.44 2.65	0.06 0.08 0.11
2.4" Dia x 4-ft Mount Pipe	A	From Face	1.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	0.87 1.12 1.37	0.87 1.12 1.37	0.01 0.02 0.03
2.4" Dia x 4-ft Mount Pipe	B	From Face	1.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	0.87 1.12 1.37	0.87 1.12 1.37	0.01 0.02 0.03
2.4" Dia x 4-ft Mount Pipe	C	From Face	1.00 0.00	0.0000	155.00	No Ice 1/2" Ice	0.87 1.12	0.87 1.12	0.01 0.02

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
			0.00			1" Ice	1.37	1.37	0.03
Side Arm Mount [SO 102-3]	C	None		0.0000	155.00	No Ice	3.60	3.60	0.07
						1/2" Ice	4.18	4.18	0.11
						1" Ice	4.75	4.75	0.14
142									
AIR 6419 B41_TMO w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	6.58 7.06 7.57	3.50 3.90 4.32	0.11 0.16 0.22
AIR 6419 B41_TMO w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	6.58 7.06 7.57	3.50 3.90 4.32	0.11 0.16 0.22
AIR 6419 B41_TMO w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	6.58 7.06 7.57	3.50 3.90 4.32	0.11 0.16 0.22
VV-65A-R1_TMO w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	4.46 4.91 5.36	2.69 3.10 3.52	0.05 0.10 0.15
VV-65A-R1_TMO w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	4.46 4.91 5.36	2.69 3.10 3.52	0.05 0.10 0.15
VV-65A-R1_TMO w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	4.46 4.91 5.36	2.69 3.10 3.52	0.05 0.10 0.15
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.18 0.31 0.45
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.18 0.31 0.45
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.18 0.31 0.45
RADIO 4449 B71 B85A_T-MOBILE	A	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.59 1.75 1.92	0.07 0.09 0.12
RADIO 4449 B71 B85A_T-MOBILE	B	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.59 1.75 1.92	0.07 0.09 0.12
RADIO 4449 B71 B85A_T-MOBILE	C	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.59 1.75 1.92	0.07 0.09 0.12
RADIO 4460 B2/B25 B66_TMO	A	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	B	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	C	From Centroid-Face	4.00 0.00 3.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
2.9" Dia. x 10' Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	2.88 3.91 4.96	2.88 3.91 4.96	0.06 0.08 0.11
2.9" Dia. x 10' Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice	2.88 3.91 4.96	2.88 3.91 4.96	0.06 0.08 0.11
2.9" Dia. x 10' Pipe	C	From	4.00	0.0000	142.00	No Ice	2.88	2.88	0.06

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
		Centroid-Face	0.00 0.00			1/2" Ice 1" Ice	3.91 4.96	3.91 4.96	0.08 0.11
Miscellaneous [NA 507-1]	C	None		0.0000	142.00	No Ice 1/2" Ice 1" Ice	4.56 6.39 8.18	4.56 6.39 8.18	0.25 0.31 0.40
Platform Mount [LP 602-1_KCKR]	C	None		0.0000	142.00	No Ice 1/2" Ice 1" Ice	42.30 49.04 55.87	42.30 49.04 55.87	1.62 2.38 3.27
132									
128									
MX08FRO665-21 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
MX08FRO665-21 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
MX08FRO665-21 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
TA08025-B604	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	0.98 1.11 1.25	0.06 0.08 0.10
TA08025-B604	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	0.98 1.11 1.25	0.06 0.08 0.10
TA08025-B604	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	0.98 1.11 1.25	0.06 0.08 0.10
RDIDC-9181-PF-48	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	2.01 2.19 2.37	1.17 1.31 1.46	0.02 0.04 0.06
TA08025-B605	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.13 1.27 1.41	0.08 0.09 0.11
TA08025-B605	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.13 1.27 1.41	0.08 0.09 0.11
TA08025-B605	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.13 1.27 1.41	0.08 0.09 0.11
(2) 2.4" Dia x 8-ft Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) 2.4" Dia x 8-ft Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) 2.4" Dia x 8-ft Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
Sabre C10801018-32788	C	None		0.0000	128.00	No Ice 1/2" Ice 1" Ice	26.80 32.20 37.60	26.80 32.20 37.60	1.51 1.81 2.11
116									
MT6407-77A w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 -1.00	0.0000	116.00	No Ice 1/2" Ice 1" Ice	5.94 6.47 7.02	3.10 3.55 4.02	0.10 0.13 0.18
MT6407-77A w/ Mount Pipe	B	From	4.00	0.0000	116.00	No Ice	5.94	3.10	0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Leg	0.00				1/2" Ice	6.47	3.55	0.13
			-1.00				1" Ice	7.02	4.02	0.18
MT6407-77A w/ Mount Pipe	C	From Centroid-Leg	4.00	0.0000	116.00		No Ice	5.94	3.10	0.10
			0.00				1/2" Ice	6.47	3.55	0.13
			-1.00				1" Ice	7.02	4.02	0.18
JAHH-65B-R3B w/ Mount Pipe	A	From Centroid-Leg	4.00	0.0000	116.00		No Ice	5.50	4.38	0.10
			0.00				1/2" Ice	5.97	4.84	0.17
			-1.00				1" Ice	6.45	5.30	0.25
JAHH-65B-R3B w/ Mount Pipe	B	From Centroid-Leg	4.00	0.0000	116.00		No Ice	5.50	4.38	0.10
			0.00				1/2" Ice	5.97	4.84	0.17
			-1.00				1" Ice	6.45	5.30	0.25
JAHH-65B-R3B w/ Mount Pipe	C	From Centroid-Leg	4.00	0.0000	116.00		No Ice	5.50	4.38	0.10
			0.00				1/2" Ice	5.97	4.84	0.17
			-1.00				1" Ice	6.45	5.30	0.25
JAHH-65B-R3B	A	From Centroid-Leg	4.00	0.0000	116.00		No Ice	5.29	3.05	0.06
			0.00				1/2" Ice	5.75	3.48	0.12
			-1.00				1" Ice	6.22	3.93	0.19
JAHH-65B-R3B	B	From Centroid-Leg	4.00	0.0000	116.00		No Ice	5.29	3.05	0.06
			0.00				1/2" Ice	5.75	3.48	0.12
			-1.00				1" Ice	6.22	3.93	0.19
JAHH-65B-R3B	C	From Centroid-Leg	4.00	0.0000	116.00		No Ice	5.29	3.05	0.06
			0.00				1/2" Ice	5.75	3.48	0.12
			-1.00				1" Ice	6.22	3.93	0.19
LPA-80080/4CF w/ Mount Pipe	A	From Centroid-Leg	4.00	0.0000	116.00		No Ice	2.04	5.22	0.04
			0.00				1/2" Ice	2.42	5.67	0.08
			-1.00				1" Ice	2.82	6.13	0.13
LPA-80080-4CF-EDIN-0 w/ Mount Pipe	A	From Centroid-Leg	4.00	0.0000	116.00		No Ice	2.04	5.22	0.04
			0.00				1/2" Ice	2.42	5.67	0.08
			-1.00				1" Ice	2.82	6.13	0.13
(2) LPA-80063-4CF-EDIN-5 w/ Mount Pipe	B	From Centroid-Leg	4.00	0.0000	116.00		No Ice	4.57	4.51	0.05
			0.00				1/2" Ice	4.96	4.90	0.11
			-1.00				1" Ice	5.37	5.31	0.18
(2) LPA-80063-4CF-EDIN-5 w/ Mount Pipe	C	From Centroid-Leg	4.00	0.0000	116.00		No Ice	4.57	4.51	0.05
			0.00				1/2" Ice	4.96	4.90	0.11
			-1.00				1" Ice	5.37	5.31	0.18
CBC78T-DS-43-2X	A	From Centroid-Leg	4.00	0.0000	116.00		No Ice	0.37	0.51	0.02
			0.00				1/2" Ice	0.45	0.60	0.03
			-2.00				1" Ice	0.53	0.70	0.04
CBC78T-DS-43-2X	B	From Centroid-Leg	4.00	0.0000	116.00		No Ice	0.37	0.51	0.02
			0.00				1/2" Ice	0.45	0.60	0.03
			-2.00				1" Ice	0.53	0.70	0.04
CBC78T-DS-43-2X	C	From Centroid-Leg	4.00	0.0000	116.00		No Ice	0.37	0.51	0.02
			0.00				1/2" Ice	0.45	0.60	0.03
			-2.00				1" Ice	0.53	0.70	0.04
DB-T1-6Z-8AB-0Z	A	From Centroid-Leg	4.00	0.0000	116.00		No Ice	4.80	2.00	0.04
			0.00				1/2" Ice	5.07	2.19	0.08
			-1.00				1" Ice	5.35	2.39	0.12
DB-T1-6Z-8AB-0Z	B	From Centroid-Leg	4.00	0.0000	116.00		No Ice	4.80	2.00	0.04
			0.00				1/2" Ice	5.07	2.19	0.08
			1.00				1" Ice	5.35	2.39	0.12
RFV01U-D1A	A	From Centroid-Leg	4.00	0.0000	116.00		No Ice	1.88	1.25	0.08
			0.00				1/2" Ice	2.05	1.39	0.10
			-2.00				1" Ice	2.22	1.54	0.12
(2) RFV01U-D1A	C	From Centroid-Leg	4.00	0.0000	116.00		No Ice	1.88	1.25	0.08
			0.00				1/2" Ice	2.05	1.39	0.10
			1.00				1" Ice	2.22	1.54	0.12
RFV01U-D2A	A	From	4.00	0.0000	116.00		No Ice	1.88	1.01	0.07

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
		Centroid-Leg	0.00			1/2" Ice	2.05	1.14	0.09
			1.00			1" Ice	2.22	1.28	0.11
(3) RFV01U-D2A	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	116.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.01 1.14 1.28	0.07 0.09 0.11
(2) RFV01U-D2A	C	From Centroid-Leg	4.00 0.00 -2.00	0.0000	116.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.01 1.14 1.28	0.07 0.09 0.11
BSF0020F3V1	A	From Centroid-Leg	4.00 0.00 -1.00	0.0000	116.00	No Ice 1/2" Ice 1" Ice	0.96 1.09 1.22	0.29 0.36 0.45	0.02 0.02 0.03
Platform Mount [LP 303-1_HR-1]	C	None		0.0000	116.00	No Ice 1/2" Ice 1" Ice	26.50 33.80 40.70	26.50 33.80 40.70	1.50 1.88 2.35
** **96**									
AM-X-CD-14-65-00T-RET w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	2.99 3.30 3.62	2.14 2.43 2.73	0.05 0.10 0.14
AM-X-CD-14-65-00T-RET w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	2.99 3.30 3.62	2.14 2.43 2.73	0.05 0.10 0.14
AM-X-CD-14-65-00T-RET w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	2.99 3.30 3.62	2.14 2.43 2.73	0.05 0.10 0.14
(2) 7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
(2) 7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
(2) 7770.00 w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
GPS_A	B	From Leg	4.00 0.00 7.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	0.12 0.21 0.28	0.12 0.21 0.28	0.00 0.00 0.01
(2) TT19-08BP111-001	A	From Leg	4.00 0.00 3.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	0.55 0.64 0.74	0.44 0.53 0.63	0.02 0.02 0.03
(2) TT19-08BP111-001	B	From Leg	4.00 0.00 3.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	0.55 0.64 0.74	0.44 0.53 0.63	0.02 0.02 0.03
(2) TT19-08BP111-001	C	From Leg	4.00 0.00 3.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	0.55 0.64 0.74	0.44 0.53 0.63	0.02 0.02 0.03
DC6-48-60-18-8F	A	From Leg	4.00 0.00 3.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	0.85 1.36 1.53	0.85 1.36 1.53	0.02 0.04 0.05
(2) RRUS 11	A	From Leg	2.00 0.00 0.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	2.79 3.00 3.21	1.19 1.34 1.50	0.05 0.07 0.10
(2) RRUS 11	B	From Leg	2.00 0.00 3.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	2.79 3.00 3.21	1.19 1.34 1.50	0.05 0.07 0.10
(2) RRUS 11	C	From Leg	2.00 0.00	0.0000	96.00	No Ice 1/2" Ice	2.79 3.00	1.19 1.34	0.05 0.07

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
			3.00			1" Ice	3.21	1.50	0.10
2.4" Dia x 4-ft Mount Pipe	A	From Leg	2.00	0.0000	96.00	No Ice	0.87	0.87	0.01
			0.00			1/2" Ice	1.12	1.12	0.02
			0.00			1" Ice	1.37	1.37	0.03
2.4" Dia x 4-ft Mount Pipe	B	From Leg	2.00	0.0000	96.00	No Ice	0.87	0.87	0.01
			0.00			1/2" Ice	1.12	1.12	0.02
			0.00			1" Ice	1.37	1.37	0.03
2.4" Dia x 4-ft Mount Pipe	C	From Leg	2.00	0.0000	96.00	No Ice	0.87	0.87	0.01
			0.00			1/2" Ice	1.12	1.12	0.02
			0.00			1" Ice	1.37	1.37	0.03
T-Arm Mount [TA 602-3]	C	None		0.0000	96.00	No Ice	13.40	13.40	0.77
						1/2" Ice	16.44	16.44	1.00
						1" Ice	19.70	19.70	1.29
92									
KS24019-L112A	C	From Leg	3.00	0.0000	92.00	No Ice	0.08	0.08	0.01
			0.00			1/2" Ice	0.13	0.13	0.01
			-1.00			1" Ice	0.19	0.19	0.01
2.4" Dia x 2.5-ft Mount Pipe	C	From Leg	3.00	0.0000	92.00	No Ice	0.46	0.46	0.01
			0.00			1/2" Ice	0.62	0.62	0.01
			0.00			1" Ice	0.78	0.78	0.02
Side Arm Mount [SO 701-1]	C	From Leg	1.50	0.0000	92.00	No Ice	0.85	1.67	0.07
			0.00			1/2" Ice	1.14	2.34	0.08
			0.00			1" Ice	1.43	3.01	0.09
87									
2.4" Dia x 4-ft Mount Pipe	C	From Face	3.00	0.0000	87.00	No Ice	0.87	0.87	0.01
			0.00			1/2" Ice	1.12	1.12	0.02
			0.00			1" Ice	1.37	1.37	0.03
2.4" Dia x 4-ft Mount Pipe	A	From Leg	3.00	0.0000	87.00	No Ice	0.87	0.87	0.01
			0.00			1/2" Ice	1.12	1.12	0.02
			0.00			1" Ice	1.37	1.37	0.03
Side Arm Mount [SO 701-1]	C	From Face	1.50	0.0000	87.00	No Ice	0.85	1.67	0.07
			0.00			1/2" Ice	1.14	2.34	0.08
			0.00			1" Ice	1.43	3.01	0.09
Side Arm Mount [SO 701-1]	A	From Leg	1.50	0.0000	87.00	No Ice	0.85	1.67	0.07
			0.00			1/2" Ice	1.14	2.34	0.08
			0.00			1" Ice	1.43	3.01	0.09
HSS 4"x4"x4'-0"	A	From Leg	0.00	0.0000	87.00	No Ice	1.60	0.13	0.05
			0.00			1/2" Ice	1.89	0.18	0.06
			0.00			1" Ice	2.19	0.24	0.08
HSS 4"x4"x4'-0"	C	From Face	0.00	0.0000	87.00	No Ice	1.60	0.13	0.05
			0.00			1/2" Ice	1.89	0.18	0.06
			0.00			1" Ice	2.19	0.24	0.08
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Load Combinations

Comb. No.	Description
1	Dead Only

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	160 - 155	Pole	Max Tension	42	0.00	0.00	-0.00
			Max. Compression	26	-6.04	0.01	0.00
			Max. Mx	20	-2.86	16.16	0.00
			Max. My	2	-2.86	0.00	16.16

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	8	3.90	-16.16	-0.00
			Max. Vx	14	3.90	-0.00	-16.16
			Max. Torque	6			0.00
L2	155 - 150	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-7.55	0.02	0.01
			Max. Mx	20	-3.67	40.13	0.01
			Max. My	2	-3.67	0.00	40.12
			Max. Vy	8	5.11	-40.12	-0.00
			Max. Vx	14	5.11	-0.00	-40.11
			Max. Torque	6			0.00
L3	150 - 145	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-8.10	0.03	0.01
			Max. Mx	20	-4.02	66.87	0.01
			Max. My	2	-4.02	0.01	66.85
			Max. Vy	8	5.59	-66.86	-0.00
			Max. Vx	14	5.58	-0.00	-66.85
			Max. Torque	6			0.00
L4	145 - 140	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-16.62	0.03	0.02
			Max. Mx	20	-8.29	113.45	0.01
			Max. My	2	-8.30	0.01	113.43
			Max. Vy	8	11.18	-113.45	-0.00
			Max. Vx	14	11.18	-0.00	-113.42
			Max. Torque	6			0.00
L5	140 - 135	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-17.25	0.04	0.02
			Max. Mx	20	-8.73	170.57	0.02
			Max. My	2	-8.73	0.02	170.53
			Max. Vy	8	11.67	-170.56	-0.00
			Max. Vx	14	11.67	-0.01	-170.53
			Max. Torque	6			0.00
L6	135 - 130	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-17.90	0.05	0.03
			Max. Mx	20	-9.18	230.13	0.03
			Max. My	2	-9.18	0.02	230.08
			Max. Vy	8	12.16	-230.12	-0.01
			Max. Vx	14	12.16	-0.01	-230.08
			Max. Torque	12			-0.00
L7	130 - 125	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-23.10	0.04	0.30
			Max. Mx	8	-12.39	-303.21	0.08
			Max. My	2	-12.39	0.02	303.42
			Max. Vy	8	15.37	-303.21	0.08
			Max. Vx	14	15.40	-0.03	-303.21
			Max. Torque	8			0.17
L8	125 - 117.333	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-23.53	0.03	0.31
			Max. Mx	8	-12.70	-349.76	0.08
			Max. My	2	-12.70	0.01	350.04
			Max. Vy	8	15.67	-349.76	0.08
			Max. Vx	14	15.69	-0.04	-349.82
			Max. Torque	8			0.17
L9	117.333 - 117	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-24.94	0.01	0.34
			Max. Mx	8	-13.72	-429.50	0.09
			Max. My	2	-13.73	0.00	429.89
			Max. Vy	8	16.23	-429.50	0.09
			Max. Vx	14	16.25	-0.06	-429.65
			Max. Torque	8			0.17
L10	117 - 112	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-32.95	0.10	-0.33

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	20	-18.14	527.15	0.02
			Max. My	14	-18.16	-0.12	-526.95
			Max. Vy	8	21.09	-526.82	-0.55
			Max. Vx	14	20.92	-0.12	-526.95
			Max. Torque	21			-0.30
L11	112 - 107	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33.88	0.07	-0.30
			Max. Mx	20	-18.90	633.75	0.21
			Max. My	14	-18.91	-0.32	-632.75
			Max. Vy	8	21.58	-633.46	-0.72
			Max. Vx	14	21.42	-0.32	-632.75
			Max. Torque	21			-0.30
L12	107 - 102	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.83	0.05	-0.28
			Max. Mx	20	-19.68	742.80	0.40
			Max. My	14	-19.70	-0.52	-741.00
			Max. Vy	8	22.07	-742.55	-0.89
			Max. Vx	14	21.91	-0.52	-741.00
			Max. Torque	21			-0.30
L13	102 - 97	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.14	-0.10	-0.38
			Max. Mx	20	-21.38	855.43	0.50
			Max. My	14	-21.39	-0.80	-853.01
			Max. Vy	8	23.04	-855.37	-1.16
			Max. Vx	14	22.89	-0.80	-853.01
			Max. Torque	21			-0.35
L14	97 - 95.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.47	-0.19	-0.11
			Max. Mx	8	-23.75	-886.43	-1.10
			Max. My	14	-23.76	-0.87	-883.43
			Max. Vy	8	25.28	-886.43	-1.10
			Max. Vx	14	25.11	-0.87	-883.43
			Max. Torque	21			-0.49
L15	95.83 - 95.58	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.62	-0.21	-0.11
			Max. Mx	8	-23.87	-892.76	-1.11
			Max. My	14	-23.88	-0.89	-889.71
			Max. Vy	8	25.32	-892.76	-1.11
			Max. Vx	2	-25.15	0.87	889.29
			Max. Torque	21			-0.49
L16	95.58 - 90.58	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.70	-0.22	-0.30
			Max. Mx	20	-26.10	1022.11	0.67
			Max. My	14	-26.11	-1.02	-1018.32
			Max. Vy	8	26.45	-1021.99	-1.49
			Max. Vx	2	-26.27	1.14	1017.52
			Max. Torque	23			-0.60
L17	90.58 - 89.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.10	-0.28	-0.29
			Max. Mx	20	-26.39	1041.97	0.70
			Max. My	14	-26.41	-1.09	-1038.07
			Max. Vy	8	26.59	-1041.90	-1.53
			Max. Vx	2	-26.41	1.15	1037.26
			Max. Torque	23			-0.47
L18	89.83 - 89.58	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.17	-0.29	-0.28
			Max. Mx	20	-26.45	1048.61	0.72
			Max. My	14	-26.46	-1.10	-1044.67
			Max. Vy	8	26.62	-1048.55	-1.54
			Max. Vx	2	-26.43	1.16	1043.87
			Max. Torque	23			-0.48

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L19	89.58 - 82.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.55	-0.37	-0.22
			Max. Mx	8	-26.73	-1090.74	-1.60
			Max. My	14	-26.75	-1.22	-1086.51
			Max. Vy	8	26.77	-1090.74	-1.60
			Max. Vx	2	-26.58	1.20	1085.75
			Max. Torque	23			-0.55
L20	82.5 - 81.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.84	-0.69	-0.00
			Max. Mx	8	-29.21	-1268.38	-1.84
			Max. My	14	-29.23	-1.68	-1262.97
			Max. Vy	8	27.71	-1268.38	-1.84
			Max. Vx	2	-27.57	1.39	1262.38
			Max. Torque	23			-0.84
L21	81.5 - 76.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.28	-0.93	0.16
			Max. Mx	8	-30.41	-1408.15	-2.03
			Max. My	14	-30.42	-2.04	-1401.86
			Max. Vy	8	28.18	-1408.15	-2.03
			Max. Vx	2	-28.04	1.53	1401.40
			Max. Torque	23			-0.84
L22	76.5 - 74.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.97	-1.04	0.24
			Max. Mx	8	-30.96	-1471.81	-2.11
			Max. My	14	-30.97	-2.20	-1465.13
			Max. Vy	8	28.39	-1471.81	-2.11
			Max. Vx	2	-28.25	1.59	1464.72
			Max. Torque	23			-0.84
L23	74.25 - 74	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.06	-1.05	0.25
			Max. Mx	8	-31.04	-1478.91	-2.12
			Max. My	14	-31.05	-2.22	-1472.18
			Max. Vy	8	28.40	-1478.91	-2.12
			Max. Vx	2	-28.26	1.60	1471.79
			Max. Torque	23			-0.83
L24	74 - 69	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.85	-1.30	0.42
			Max. Mx	8	-32.49	-1622.26	-2.30
			Max. My	14	-32.50	-2.58	-1614.65
			Max. Vy	8	28.91	-1622.26	-2.30
			Max. Vx	2	-28.77	1.74	1614.39
			Max. Torque	23			-0.83
L25	69 - 64	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.68	-1.55	0.60
			Max. Mx	8	-33.98	-1768.06	-2.48
			Max. My	14	-33.99	-2.95	-1759.57
			Max. Vy	8	29.39	-1768.06	-2.48
			Max. Vx	2	-29.25	1.87	1759.45
			Max. Torque	23			-0.83
L26	64 - 59	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56.53	-1.81	0.78
			Max. Mx	8	-35.49	-1916.27	-2.65
			Max. My	2	-35.50	2.00	1906.92
			Max. Vy	8	29.87	-1916.27	-2.65
			Max. Vx	2	-29.73	2.00	1906.92
			Max. Torque	23			-0.83
L27	59 - 55.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.78	-1.98	0.89
			Max. Mx	8	-36.49	-2013.87	-2.77
			Max. My	2	-36.50	2.09	2004.03
			Max. Vy	8	30.17	-2013.87	-2.77

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	2	-30.04	2.09	2004.03
			Max. Torque	23			-0.89
L28	55.75 - 55.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.90	-1.99	0.90
			Max. Mx	8	-36.60	-2021.42	-2.78
			Max. My	2	-36.61	2.09	2011.55
			Max. Vy	8	30.19	-2021.42	-2.78
			Max. Vx	2	-30.05	2.09	2011.55
			Max. Torque	23			-0.90
L29	55.5 - 50.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.28	-2.26	1.09
			Max. Mx	8	-38.53	-2173.71	-2.95
			Max. My	2	-38.54	2.22	2163.10
			Max. Vy	8	30.70	-2173.71	-2.95
			Max. Vx	2	-30.56	2.22	2163.10
			Max. Torque	23			-0.98
L30	50.5 - 47.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-61.59	-2.40	1.19
			Max. Mx	8	-39.60	-2258.53	-3.05
			Max. My	2	-39.61	2.29	2247.51
			Max. Vy	8	30.97	-2258.53	-3.05
			Max. Vx	2	-30.83	2.29	2247.51
			Max. Torque	23			-1.03
L31	47.75 - 47.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-61.70	-2.42	1.20
			Max. Mx	8	-39.70	-2266.28	-3.05
			Max. My	2	-39.71	2.29	2255.22
			Max. Vy	8	30.98	-2266.28	-3.05
			Max. Vx	2	-30.84	2.29	2255.22
			Max. Torque	23			-1.03
L32	47.5 - 40.5833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-61.92	-2.44	1.22
			Max. Mx	8	-39.87	-2281.79	-3.07
			Max. My	2	-39.88	2.31	2270.66
			Max. Vy	8	31.03	-2281.79	-3.07
			Max. Vx	2	-30.89	2.31	2270.66
			Max. Torque	23			-1.04
L33	40.5833 - 39.5833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-67.95	-2.85	1.50
			Max. Mx	8	-44.91	-2515.19	-3.32
			Max. My	2	-44.92	2.48	2502.96
			Max. Vy	8	31.86	-2515.19	-3.32
			Max. Vx	2	-31.72	2.48	2502.96
			Max. Torque	23			-1.18
L34	39.5833 - 34.5833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.59	-3.12	1.69
			Max. Mx	8	-47.11	-2675.67	-3.49
			Max. My	2	-47.12	2.60	2662.70
			Max. Vy	8	32.31	-2675.67	-3.49
			Max. Vx	2	-32.17	2.60	2662.70
			Max. Torque	23			-1.27
L35	34.5833 - 30.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.63	-3.34	1.83
			Max. Mx	8	-48.82	-2800.19	-3.62
			Max. My	2	-48.83	2.69	2786.65
			Max. Vy	8	32.64	-2800.19	-3.62
			Max. Vx	2	-32.50	2.69	2786.65
			Max. Torque	23			-1.33

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L36	30.75 - 30.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.75	-3.35	1.84
			Max. Mx	8	-48.93	-2808.35	-3.63
			Max. My	2	-48.94	2.70	2794.78
			Max. Vy	8	32.65	-2808.35	-3.63
			Max. Vx	2	-32.51	2.70	2794.78
			Max. Torque	23			-1.34
L37	30.5 - 29	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-73.47	-3.43	1.90
			Max. Mx	8	-49.52	-2857.43	-3.68
			Max. My	2	-49.52	2.73	2843.64
			Max. Vy	8	32.78	-2857.43	-3.68
			Max. Vx	2	-32.64	2.73	2843.64
			Max. Torque	23			-1.36
L38	29 - 28.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-73.59	-3.45	1.91
			Max. Mx	8	-49.64	-2865.63	-3.69
			Max. My	2	-49.64	2.74	2851.80
			Max. Vy	8	32.78	-2865.63	-3.69
			Max. Vx	2	-32.64	2.74	2851.80
			Max. Torque	23			-1.36
L39	28.75 - 23.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-76.08	-3.73	2.10
			Max. Mx	8	-51.76	-3030.64	-3.85
			Max. My	2	-51.76	2.85	3016.07
			Max. Vy	8	33.19	-3030.64	-3.85
			Max. Vx	2	-33.05	2.85	3016.07
			Max. Torque	23			-1.36
L40	23.75 - 18.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-78.59	-4.01	2.30
			Max. Mx	8	-53.92	-3197.63	-4.02
			Max. My	2	-53.92	2.96	3182.32
			Max. Vy	8	33.59	-3197.63	-4.02
			Max. Vx	2	-33.45	2.96	3182.32
			Max. Torque	23			-1.36
L41	18.75 - 13.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-81.13	-4.30	2.48
			Max. Mx	8	-56.10	-3366.60	-4.18
			Max. My	2	-56.11	3.07	3350.56
			Max. Vy	8	33.98	-3366.60	-4.18
			Max. Vx	2	-33.85	3.07	3350.56
			Max. Torque	23			-1.36
L42	13.75 - 13	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-81.53	-4.34	2.50
			Max. Mx	8	-56.44	-3392.12	-4.20
			Max. My	2	-56.44	3.08	3375.97
			Max. Vy	8	34.04	-3392.12	-4.20
			Max. Vx	2	-33.90	3.08	3375.97
			Max. Torque	23			-1.36
L43	13 - 12.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-81.68	-4.36	2.50
			Max. Mx	8	-56.57	-3400.63	-4.21
			Max. My	2	-56.57	3.09	3384.45
			Max. Vy	8	34.05	-3400.63	-4.21
			Max. Vx	2	-33.92	3.09	3384.45
			Max. Torque	23			-1.36
L44	12.75 - 8.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-84.37	-4.63	2.63
			Max. Mx	8	-58.88	-3554.81	-4.35
			Max. My	2	-58.88	3.18	3537.97
			Max. Vy	8	34.44	-3554.81	-4.35

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	2	-34.30	3.18	3537.97
			Max. Torque	23			-1.36
L45	8.25 - 8	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-84.52	-4.65	2.64
			Max. Mx	8	-59.02	-3563.43	-4.36
			Max. My	2	-59.02	3.19	3546.55
			Max. Vy	8	34.45	-3563.43	-4.36
			Max. Vx	2	-34.31	3.19	3546.55
			Max. Torque	23			-1.36
L46	8 - 5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.31	-4.85	2.74
			Max. Mx	8	-60.56	-3667.20	-4.45
			Max. My	2	-60.57	3.25	3649.89
			Max. Vy	8	34.70	-3667.20	-4.45
			Max. Vx	2	-34.57	3.25	3649.89
			Max. Torque	23			-1.36
L47	5 - 4.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.44	-4.87	2.75
			Max. Mx	8	-60.68	-3675.89	-4.46
			Max. My	2	-60.69	3.25	3658.53
			Max. Vy	8	34.71	-3675.89	-4.46
			Max. Vx	2	-34.58	3.25	3658.53
			Max. Torque	23			-1.36
L48	4.75 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-88.81	-5.17	2.97
			Max. Mx	8	-62.82	-3841.72	-4.60
			Max. My	2	-62.82	3.34	3823.67
			Max. Vy	8	35.09	-3841.72	-4.60
			Max. Vx	2	-34.95	3.34	3823.67
			Max. Torque	23			-1.36

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	88.81	0.00	0.00
	Max. H_x	20	62.84	35.06	0.05
	Max. H_z	2	62.84	0.05	34.93
	Max. M_x	2	3823.67	0.05	34.93
	Max. M_z	8	3841.72	-35.06	-0.05
	Max. Torsion	11	1.35	-34.17	-19.71
	Min. Vert	17	47.13	17.62	-30.48
	Min. H_x	8	62.84	-35.06	-0.05
	Min. H_z	14	62.84	-0.05	-34.93
	Min. M_x	14	-3821.77	-0.05	-34.93
	Min. M_z	20	-3837.31	35.06	0.05
	Min. Torsion	23	-1.36	34.17	19.71

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	52.37	0.00	0.00	-0.78	-1.79	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	62.84	-0.05	-34.93	-3823.67	3.34	-0.11
0.9 Dead+1.0 Wind 0 deg - No Ice	47.13	-0.05	-34.93	-3781.92	3.85	-0.11
1.2 Dead+1.0 Wind 30 deg - No Ice	62.84	17.62	-30.48	-3334.34	-1930.05	-0.32
0.9 Dead+1.0 Wind 30 deg - No Ice	47.13	17.62	-30.48	-3297.96	-1908.58	-0.32
1.2 Dead+1.0 Wind 60 deg - No Ice	62.84	30.56	-17.57	-1922.27	-3346.87	-0.46
0.9 Dead+1.0 Wind 60 deg - No Ice	47.13	30.56	-17.57	-1901.19	-3310.04	-0.47
1.2 Dead+1.0 Wind 90 deg - No Ice	62.84	35.06	0.05	4.60	-3841.72	-0.43
0.9 Dead+1.0 Wind 90 deg - No Ice	47.13	35.06	0.05	4.79	-3799.47	-0.44
1.2 Dead+1.0 Wind 120 deg - No Ice	62.84	34.17	19.71	2038.66	-3540.64	-1.34
0.9 Dead+1.0 Wind 120 deg - No Ice	47.13	34.17	19.71	2017.35	-3502.68	-1.35
1.2 Dead+1.0 Wind 150 deg - No Ice	62.84	17.71	30.54	3339.38	-1940.47	-0.18
0.9 Dead+1.0 Wind 150 deg - No Ice	47.13	17.71	30.54	3303.41	-1918.89	-0.19
1.2 Dead+1.0 Wind 180 deg - No Ice	62.84	0.05	34.93	3821.77	-7.76	0.10
0.9 Dead+1.0 Wind 180 deg - No Ice	47.13	0.05	34.93	3780.50	-7.14	0.09
1.2 Dead+1.0 Wind 210 deg - No Ice	62.84	-17.62	30.48	3332.44	1925.64	0.31
0.9 Dead+1.0 Wind 210 deg - No Ice	47.13	-17.62	30.48	3296.54	1905.30	0.31
1.2 Dead+1.0 Wind 240 deg - No Ice	62.84	-30.56	17.57	1920.38	3342.46	0.46
0.9 Dead+1.0 Wind 240 deg - No Ice	47.13	-30.56	17.57	1899.78	3306.76	0.47
1.2 Dead+1.0 Wind 270 deg - No Ice	62.84	-35.06	-0.05	-6.50	3837.31	0.45
0.9 Dead+1.0 Wind 270 deg - No Ice	47.13	-35.06	-0.05	-6.20	3796.19	0.45
1.2 Dead+1.0 Wind 300 deg - No Ice	62.84	-34.17	-19.71	-2040.55	3536.24	1.35
0.9 Dead+1.0 Wind 300 deg - No Ice	47.13	-34.17	-19.71	-2018.76	3499.41	1.36
1.2 Dead+1.0 Wind 330 deg - No Ice	62.84	-17.71	-30.54	-3341.28	1936.06	0.18
0.9 Dead+1.0 Wind 330 deg - No Ice	47.13	-17.71	-30.54	-3304.83	1915.61	0.18
1.2 Dead+1.0 Ice+1.0 Temp	88.81	0.00	0.00	-2.97	-5.17	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	88.81	-0.01	-7.26	-820.08	-4.31	-0.04
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	88.81	3.65	-6.32	-713.18	-415.90	-0.08
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	88.81	6.33	-3.64	-412.41	-717.51	-0.10
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	88.81	7.29	0.01	-1.97	-825.55	-0.09
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	88.81	6.66	3.84	419.58	-738.39	-0.29
1.2 Dead+1.0 Wind 150	88.81	3.67	6.33	708.67	-418.18	-0.02

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
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	88.81	0.01	7.26	813.89	-6.57	0.04
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	88.81	-3.65	6.32	706.98	405.03	0.08
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	88.81	-6.33	3.64	406.22	706.64	0.10
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	88.81	-7.29	-0.01	-4.23	814.67	0.09
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	88.81	-6.66	-3.84	-425.77	727.52	0.29
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	88.81	-3.67	-6.33	-714.86	407.30	0.02
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	52.37	-0.01	-7.58	-825.27	-0.63	-0.02
Dead+Wind 30 deg - Service	52.37	3.82	-6.62	-719.74	-417.63	-0.07
Dead+Wind 60 deg - Service	52.37	6.63	-3.81	-415.19	-723.22	-0.11
Dead+Wind 90 deg - Service	52.37	7.61	0.01	0.41	-829.93	-0.10
Dead+Wind 120 deg - Service	52.37	7.42	4.28	439.20	-765.15	-0.30
Dead+Wind 150 deg - Service	52.37	3.84	6.63	719.66	-419.88	-0.04
Dead+Wind 180 deg - Service	52.37	0.01	7.58	823.69	-3.03	0.02
Dead+Wind 210 deg - Service	52.37	-3.82	6.62	718.16	413.97	0.07
Dead+Wind 240 deg - Service	52.37	-6.63	3.81	413.61	719.56	0.11
Dead+Wind 270 deg - Service	52.37	-7.61	-0.01	-1.99	826.27	0.10
Dead+Wind 300 deg - Service	52.37	-7.42	-4.28	-440.78	761.49	0.30
Dead+Wind 330 deg - Service	52.37	-3.84	-6.63	-721.24	416.22	0.04

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.00	-52.37	0.00	0.00	52.37	0.00	0.000%
2	-0.05	-62.84	-34.93	0.05	62.84	34.93	0.000%
3	-0.05	-47.13	-34.93	0.05	47.13	34.93	0.000%
4	17.62	-62.84	-30.48	-17.62	62.84	30.48	0.000%
5	17.62	-47.13	-30.48	-17.62	47.13	30.48	0.000%
6	30.56	-62.84	-17.57	-30.56	62.84	17.57	0.000%
7	30.56	-47.13	-17.57	-30.56	47.13	17.57	0.000%
8	35.06	-62.84	0.05	-35.06	62.84	-0.05	0.000%
9	35.06	-47.13	0.05	-35.06	47.13	-0.05	0.000%
10	34.17	-62.84	19.71	-34.17	62.84	-19.71	0.000%
11	34.17	-47.13	19.71	-34.17	47.13	-19.71	0.000%
12	17.71	-62.84	30.54	-17.71	62.84	-30.54	0.000%
13	17.71	-47.13	30.54	-17.71	47.13	-30.54	0.000%
14	0.05	-62.84	34.93	-0.05	62.84	-34.93	0.000%
15	0.05	-47.13	34.93	-0.05	47.13	-34.93	0.000%
16	-17.62	-62.84	30.48	17.62	62.84	-30.48	0.000%
17	-17.62	-47.13	30.48	17.62	47.13	-30.48	0.000%
18	-30.56	-62.84	17.57	30.56	62.84	-17.57	0.000%
19	-30.56	-47.13	17.57	30.56	47.13	-17.57	0.000%
20	-35.06	-62.84	-0.05	35.06	62.84	0.05	0.000%
21	-35.06	-47.13	-0.05	35.06	47.13	0.05	0.000%
22	-34.17	-62.84	-19.71	34.17	62.84	19.71	0.000%
23	-34.17	-47.13	-19.71	34.17	47.13	19.71	0.000%
24	-17.71	-62.84	-30.54	17.71	62.84	30.54	0.000%
25	-17.71	-47.13	-30.54	17.71	47.13	30.54	0.000%
26	0.00	-88.81	0.00	0.00	88.81	0.00	0.000%
27	-0.01	-88.81	-7.26	0.01	88.81	7.26	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
28	3.65	-88.81	-6.32	-3.65	88.81	6.32	0.000%
29	6.33	-88.81	-3.64	-6.33	88.81	3.64	0.000%
30	7.29	-88.81	0.01	-7.29	88.81	-0.01	0.000%
31	6.66	-88.81	3.84	-6.66	88.81	-3.84	0.000%
32	3.67	-88.81	6.33	-3.67	88.81	-6.33	0.000%
33	0.01	-88.81	7.26	-0.01	88.81	-7.26	0.000%
34	-3.65	-88.81	6.32	3.65	88.81	-6.32	0.000%
35	-6.33	-88.81	3.64	6.33	88.81	-3.64	0.000%
36	-7.29	-88.81	-0.01	7.29	88.81	0.01	0.000%
37	-6.66	-88.81	-3.84	6.66	88.81	3.84	0.000%
38	-3.67	-88.81	-6.33	3.67	88.81	6.33	0.000%
39	-0.01	-52.37	-7.58	0.01	52.37	7.58	0.000%
40	3.82	-52.37	-6.62	-3.82	52.37	6.62	0.000%
41	6.63	-52.37	-3.81	-6.63	52.37	3.81	0.000%
42	7.61	-52.37	0.01	-7.61	52.37	-0.01	0.000%
43	7.42	-52.37	4.28	-7.42	52.37	-4.28	0.000%
44	3.84	-52.37	6.63	-3.84	52.37	-6.63	0.000%
45	0.01	-52.37	7.58	-0.01	52.37	-7.58	0.000%
46	-3.82	-52.37	6.62	3.82	52.37	-6.62	0.000%
47	-6.63	-52.37	3.81	6.63	52.37	-3.81	0.000%
48	-7.61	-52.37	-0.01	7.61	52.37	0.01	0.000%
49	-7.42	-52.37	-4.28	7.42	52.37	4.28	0.000%
50	-3.84	-52.37	-6.63	3.84	52.37	6.63	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00021516
3	Yes	5	0.00000001	0.00007960
4	Yes	6	0.00000001	0.00051683
5	Yes	6	0.00000001	0.00017233
6	Yes	6	0.00000001	0.00052325
7	Yes	6	0.00000001	0.00017466
8	Yes	5	0.00000001	0.00022808
9	Yes	5	0.00000001	0.00008774
10	Yes	6	0.00000001	0.00053661
11	Yes	6	0.00000001	0.00017635
12	Yes	6	0.00000001	0.00052428
13	Yes	6	0.00000001	0.00017481
14	Yes	5	0.00000001	0.00021107
15	Yes	5	0.00000001	0.00007658
16	Yes	6	0.00000001	0.00052081
17	Yes	6	0.00000001	0.00017390
18	Yes	6	0.00000001	0.00051528
19	Yes	6	0.00000001	0.00017177
20	Yes	5	0.00000001	0.00026399
21	Yes	5	0.00000001	0.00010854
22	Yes	6	0.00000001	0.00055090
23	Yes	6	0.00000001	0.00018167
24	Yes	6	0.00000001	0.00052031
25	Yes	6	0.00000001	0.00017342
26	Yes	4	0.00000001	0.00000001
27	Yes	6	0.00000001	0.00031057
28	Yes	6	0.00000001	0.00033896

29	Yes	6	0.00000001	0.00033972
30	Yes	6	0.00000001	0.00031235
31	Yes	6	0.00000001	0.00034433
32	Yes	6	0.00000001	0.00033900
33	Yes	6	0.00000001	0.00030946
34	Yes	6	0.00000001	0.00033582
35	Yes	6	0.00000001	0.00033585
36	Yes	6	0.00000001	0.00030973
37	Yes	6	0.00000001	0.00034310
38	Yes	6	0.00000001	0.00033789
39	Yes	4	0.00000001	0.00078464
40	Yes	5	0.00000001	0.00012863
41	Yes	5	0.00000001	0.00013261
42	Yes	4	0.00000001	0.00079721
43	Yes	5	0.00000001	0.00013482
44	Yes	5	0.00000001	0.00013217
45	Yes	4	0.00000001	0.00078442
46	Yes	5	0.00000001	0.00013087
47	Yes	5	0.00000001	0.00012734
48	Yes	4	0.00000001	0.00079759
49	Yes	5	0.00000001	0.00014392
50	Yes	5	0.00000001	0.00012930

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	21.473	43	1.1893	0.0007
L2	155 - 150	20.228	43	1.1874	0.0007
L3	150 - 145	18.988	43	1.1802	0.0007
L4	145 - 140	17.758	43	1.1679	0.0007
L5	140 - 135	16.544	43	1.1502	0.0007
L6	135 - 130	15.353	43	1.1240	0.0007
L7	130 - 125	14.193	43	1.0908	0.0007
L8	125 - 117.333	13.071	43	1.0511	0.0006
L9	122 - 117	12.419	43	1.0239	0.0006
L10	117 - 112	11.358	43	1.0002	0.0006
L11	112 - 107	10.334	43	0.9549	0.0006
L12	107 - 102	9.360	43	0.9044	0.0006
L13	102 - 97	8.441	43	0.8498	0.0005
L14	97 - 95.83	7.582	43	0.7916	0.0005
L15	95.83 - 95.58	7.389	43	0.7777	0.0005
L16	95.58 - 90.58	7.349	43	0.7754	0.0005
L17	90.58 - 89.83	6.561	43	0.7288	0.0004
L18	89.83 - 89.58	6.447	43	0.7215	0.0004
L19	89.58 - 82.5	6.409	43	0.7182	0.0004
L20	88 - 81.5	6.175	43	0.6976	0.0004
L21	81.5 - 76.5	5.252	43	0.6538	0.0004
L22	76.5 - 74.25	4.597	43	0.5980	0.0003
L23	74.25 - 74	4.321	43	0.5723	0.0003
L24	74 - 69	4.291	43	0.5701	0.0003
L25	69 - 64	3.718	43	0.5246	0.0003
L26	64 - 59	3.193	43	0.4776	0.0003
L27	59 - 55.75	2.718	43	0.4300	0.0002
L28	55.75 - 55.5	2.436	43	0.3988	0.0002
L29	55.5 - 50.5	2.415	43	0.3970	0.0002
L30	50.5 - 47.75	2.018	43	0.3606	0.0002
L31	47.75 - 47.5	1.816	43	0.3404	0.0002
L32	47.5 - 40.5833	1.798	43	0.3383	0.0002

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L33	47 - 39.5833	1.763	43	0.3340	0.0002
L34	39.5833 - 34.5833	1.267	43	0.3019	0.0002
L35	34.5833 - 30.75	0.969	43	0.2664	0.0001
L36	30.75 - 30.5	0.767	43	0.2387	0.0001
L37	30.5 - 29	0.754	43	0.2366	0.0001
L38	29 - 28.75	0.682	43	0.2242	0.0001
L39	28.75 - 23.75	0.670	43	0.2223	0.0001
L40	23.75 - 18.75	0.458	43	0.1828	0.0001
L41	18.75 - 13.75	0.287	43	0.1436	0.0001
L42	13.75 - 13	0.157	43	0.1045	0.0000
L43	13 - 12.75	0.141	43	0.0987	0.0000
L44	12.75 - 8.25	0.136	43	0.0970	0.0000
L45	8.25 - 8	0.059	43	0.0662	0.0000
L46	8 - 5	0.056	43	0.0644	0.0000
L47	5 - 4.75	0.022	43	0.0425	0.0000
L48	4.75 - 0	0.020	43	0.0403	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
159.00	APXVSPP18-C-A20 w/ Mount Pipe	43	21.224	1.1892	0.0007	63248
155.00	800MHZ 2X50W RRH W/FILTER	43	20.228	1.1874	0.0007	63248
142.00	AIR 6419 B41_TMO w/ Mount Pipe	43	17.028	1.1582	0.0007	15249
128.00	MX08FRO665-21 w/ Mount Pipe	43	13.739	1.0762	0.0007	7192
116.00	MT6407-77A w/ Mount Pipe	43	11.150	0.9933	0.0006	7622
96.00	AM-X-CD-14-65-00T-RET w/ Mount Pipe	43	7.417	0.7794	0.0005	5402
92.00	KS24019-L112A	43	6.780	0.7417	0.0005	5860
87.00	2.4" Dia x 4-ft Mount Pipe	43	6.029	0.6875	0.0004	7108

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	99.529	10	5.5248	0.0029
L2	155 - 150	93.762	10	5.5156	0.0029
L3	150 - 145	88.017	10	5.4822	0.0029
L4	145 - 140	82.319	10	5.4251	0.0029
L5	140 - 135	76.692	10	5.3427	0.0029
L6	135 - 130	71.172	10	5.2211	0.0029
L7	130 - 125	65.795	10	5.0666	0.0029
L8	125 - 117.333	60.595	10	4.8817	0.0029
L9	122 - 117	57.573	10	4.7555	0.0028
L10	117 - 112	52.656	10	4.6450	0.0028
L11	112 - 107	47.909	10	4.4340	0.0026
L12	107 - 102	43.394	10	4.1995	0.0025
L13	102 - 97	39.134	10	3.9452	0.0024
L14	97 - 95.83	35.148	10	3.6745	0.0022
L15	95.83 - 95.58	34.257	10	3.6097	0.0022

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L16	95.58 - 90.58	34.068	10	3.5992	0.0022
L17	90.58 - 89.83	30.416	10	3.3824	0.0020
L18	89.83 - 89.58	29.888	10	3.3485	0.0020
L19	89.58 - 82.5	29.713	10	3.3335	0.0020
L20	88 - 81.5	28.627	10	3.2374	0.0019
L21	81.5 - 76.5	24.346	10	3.0339	0.0018
L22	76.5 - 74.25	21.307	10	2.7744	0.0016
L23	74.25 - 74	20.028	10	2.6553	0.0015
L24	74 - 69	19.890	10	2.6449	0.0015
L25	69 - 64	17.232	10	2.4333	0.0013
L26	64 - 59	14.799	10	2.2152	0.0012
L27	59 - 55.75	12.595	10	1.9942	0.0011
L28	55.75 - 55.5	11.287	10	1.8494	0.0010
L29	55.5 - 50.5	11.191	10	1.8410	0.0010
L30	50.5 - 47.75	9.352	10	1.6718	0.0009
L31	47.75 - 47.5	8.416	10	1.5784	0.0008
L32	47.5 - 40.5833	8.334	10	1.5684	0.0008
L33	47 - 39.5833	8.171	10	1.5483	0.0008
L34	39.5833 - 34.5833	5.871	10	1.3994	0.0007
L35	34.5833 - 30.75	4.492	10	1.2347	0.0006
L36	30.75 - 30.5	3.552	10	1.1064	0.0006
L37	30.5 - 29	3.494	10	1.0967	0.0006
L38	29 - 28.75	3.159	10	1.0390	0.0005
L39	28.75 - 23.75	3.105	10	1.0300	0.0005
L40	23.75 - 18.75	2.122	10	0.8473	0.0004
L41	18.75 - 13.75	1.330	10	0.6653	0.0003
L42	13.75 - 13	0.728	10	0.4842	0.0002
L43	13 - 12.75	0.654	10	0.4573	0.0002
L44	12.75 - 8.25	0.630	10	0.4493	0.0002
L45	8.25 - 8	0.274	10	0.3066	0.0001
L46	8 - 5	0.258	10	0.2981	0.0001
L47	5 - 4.75	0.103	10	0.1967	0.0001
L48	4.75 - 0	0.093	10	0.1868	0.0001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
159.00	APXVSPP18-C-A20 w/ Mount Pipe	10	98.375	5.5239	0.0030	13851
155.00	800MHZ 2X50W RRH W/FILTER	10	93.762	5.5156	0.0030	13851
142.00	AIR 6419 B41_TMO w/ Mount Pipe	10	78.933	5.3797	0.0030	3336
128.00	MX08FRO665-21 w/ Mount Pipe	10	63.691	4.9988	0.0029	1570
116.00	MT6407-77A w/ Mount Pipe	10	51.691	4.6127	0.0028	1660
96.00	AM-X-CD-14-65-00T-RET w/ Mount Pipe	10	34.385	3.6177	0.0022	1172
92.00	KS24019-L112A	10	31.430	3.4423	0.0021	1271
87.00	2.4" Dia x 4-ft Mount Pipe	10	27.949	3.1905	0.0019	1540

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 - 155 (1)	TP23.3004x22.35x0.2188	5.00	0.00	0.0	16.2581	-2.85	951.10	0.003
L2	155 - 150 (2)	TP24.2508x23.3004x0.2188	5.00	0.00	0.0	16.9276	-3.66	990.26	0.004
L3	150 - 145 (3)	TP25.2012x24.2508x0.2188	5.00	0.00	0.0	17.5970	-4.01	1029.42	0.004
L4	145 - 140 (4)	TP26.1516x25.2012x0.2188	5.00	0.00	0.0	18.2664	-8.27	1068.59	0.008
L5	140 - 135 (5)	TP27.1019x26.1516x0.2188	5.00	0.00	0.0	18.9359	-8.70	1107.75	0.008
L6	135 - 130 (6)	TP28.0523x27.1019x0.2188	5.00	0.00	0.0	19.6053	-9.16	1146.91	0.008
L7	130 - 125 (7)	TP29.0027x28.0523x0.2188	5.00	0.00	0.0	20.2747	-12.36	1186.07	0.010
L8	125 - 117.333 (8)	TP30.46x29.0027x0.2188	7.67	0.00	0.0	20.6764	-12.67	1209.57	0.010
L9	117.333 - 117 (9)	TP30.0854x29.1355x0.2813	5.00	0.00	0.0	26.9914	-13.69	1579.00	0.009
L10	117 - 112 (10)	TP31.0353x30.0854x0.2813	5.00	0.00	0.0	27.8517	-18.10	1629.32	0.011
L11	112 - 107 (11)	TP31.9853x31.0353x0.2813	5.00	0.00	0.0	28.7120	-18.86	1679.65	0.011
L12	107 - 102 (12)	TP32.9352x31.9853x0.2813	5.00	0.00	0.0	29.5723	-19.64	1729.98	0.011
L13	102 - 97 (13)	TP33.8852x32.9352x0.2813	5.00	0.00	0.0	30.4326	-21.32	1780.30	0.012
L14	97 - 95.83 (14)	TP34.1075x33.8852x0.2813	1.17	0.00	0.0	30.6339	-23.69	1792.08	0.013
L15	95.83 - 95.58 (15)	TP34.155x34.1075x0.3813	0.25	0.00	0.0	41.4614	-23.81	2425.49	0.010
L16	95.58 - 90.58 (16)	TP35.1049x34.155x0.3813	5.00	0.00	0.0	42.6276	-26.02	2493.72	0.010
L17	90.58 - 89.83 (17)	TP35.2474x35.1049x0.375	0.75	0.00	0.0	42.1084	-26.31	2463.34	0.011
L18	89.83 - 89.58 (18)	TP35.2949x35.2474x0.2813	0.25	0.00	0.0	31.7092	-26.37	1854.99	0.014
L19	89.58 - 82.5 (19)	TP36.64x35.2949x0.2813	7.08	0.00	0.0	31.9811	-26.65	1870.89	0.014
L20	82.5 - 81.5 (20)	TP36.266x35.0326x0.375	6.50	0.00	0.0	43.3383	-29.10	2535.29	0.011
L21	81.5 - 76.5 (21)	TP37.2147x36.266x0.375	5.00	0.00	0.0	44.4840	-30.30	2602.31	0.012
L22	76.5 - 74.25 (22)	TP37.6417x37.2147x0.375	2.25	0.00	0.0	44.9995	-30.85	2632.47	0.012
L23	74.25 - 74 (23)	TP37.6891x37.6417x0.4875	0.25	0.00	0.0	58.3972	-30.93	3416.24	0.009
L24	74 - 69 (24)	TP38.6379x37.6891x0.4813	5.00	0.00	0.0	59.1284	-32.38	3459.01	0.009
L25	69 - 64 (25)	TP39.5866x38.6379x0.475	5.00	0.00	0.0	59.8212	-33.87	3499.54	0.010
L26	64 - 59 (26)	TP40.5354x39.5866x0.475	5.00	0.00	0.0	61.2724	-35.39	3584.43	0.010
L27	59 - 55.75 (27)	TP41.1521x40.5354x0.475	3.25	0.00	0.0	62.2156	-36.39	3639.61	0.010
L28	55.75 - 55.5 (28)	TP41.1995x41.1521x0.6375	0.25	0.00	0.0	83.2637	-36.50	4870.93	0.007
L29	55.5 - 50.5 (29)	TP42.1483x41.1995x0.6375	5.00	0.00	0.0	85.2113	-38.42	4984.86	0.008
L30	50.5 - 47.75 (30)	TP42.6701x42.1483x0.6375	2.75	0.00	0.0	86.2824	-39.49	5047.52	0.008
L31	47.75 - 47.5 (31)	TP42.7175x42.6701x0.5375	0.25	0.00	0.0	73.0031	-39.59	4270.68	0.009
L32	47.5 - 40.5833 (32)	TP44.03x42.7175x0.5375	6.92	0.00	0.0	73.1673	-39.76	4280.29	0.009
L33	40.5833 - 39.5833 (33)	TP43.4728x42.0624x0.7	7.42	0.00	0.0	96.4099	-44.80	5639.98	0.008
L34	39.5833 - 34.5833 (34)	TP44.4236x43.4728x0.7	5.00	0.00	0.0	98.5530	-47.01	5765.35	0.008
L35	34.5833 - 30.75 (35)	TP45.1525x44.4236x0.6875	3.83	0.00	0.0	98.4345	-48.72	5758.42	0.008
L36	30.75 - 30.5 (36)	TP45.2001x45.1525x0.5875	0.25	0.00	0.0	84.3958	-48.83	4937.16	0.010
L37	30.5 - 29 (37)	TP45.4853x45.2001x0.5875	1.50	0.00	0.0	84.9354	-49.42	4968.72	0.010
L38	29 - 28.75 (38)	TP45.5329x45.4853x0.6375	0.25	0.00	0.0	92.1590	-49.54	5391.30	0.009
L39	28.75 - 23.75 (39)	TP46.4837x45.5329x0.625	5.00	0.00	0.0	92.2906	-51.67	5399.00	0.010
L40	23.75 - 18.75	TP47.4345x46.4837x0.625	5.00	0.00	0.0	94.2041	-53.85	5510.94	0.010

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L41	18.75 - 13.75 (41)	TP48.3853x47.4345x0.625	5.00	0.00	0.0	96.1176	-56.05	5622.88	0.010
L42	13.75 - 13 (42)	TP48.5279x48.3853x0.625	0.75	0.00	0.0	96.4046	-56.39	5639.67	0.010
L43	13 - 12.75 (43)	TP48.5754x48.5279x0.7125	0.25	0.00	0.0	109.8100	-56.52	6423.86	0.009
L44	12.75 - 8.25 (44)	TP49.4312x48.5754x0.7125	4.50	0.00	0.0	111.7730	-58.85	6538.71	0.009
L45	8.25 - 8 (45)	TP49.4787x49.4312x0.6625	0.25	0.00	0.0	104.1370	-58.98	6092.03	0.010
L46	8 - 5 (46)	TP50.0492x49.4787x0.6625	3.00	0.00	0.0	105.3540	-60.54	6163.22	0.010
L47	5 - 4.75 (47)	TP50.0967x50.0492x0.5625	0.25	0.00	0.0	89.7189	-60.66	5248.55	0.012
L48	4.75 - 0 (48)	TP51x50.0967x0.5625	4.75	0.00	0.0	91.3549	-62.82	5344.26	0.012

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	160 - 155 (1)	TP23.3004x22.35x0.2188	16.18	515.54	0.031	0.00	515.54	0.000
L2	155 - 150 (2)	TP24.2508x23.3004x0.2188	40.18	549.62	0.073	0.00	549.62	0.000
L3	150 - 145 (3)	TP25.2012x24.2508x0.2188	66.96	583.92	0.115	0.00	583.92	0.000
L4	145 - 140 (4)	TP26.1516x25.2012x0.2188	113.60	618.37	0.184	0.00	618.37	0.000
L5	140 - 135 (5)	TP27.1019x26.1516x0.2188	170.79	652.87	0.262	0.00	652.87	0.000
L6	135 - 130 (6)	TP28.0523x27.1019x0.2188	230.44	687.34	0.335	0.00	687.34	0.000
L7	130 - 125 (7)	TP29.0027x28.0523x0.2188	303.70	721.67	0.421	0.00	721.67	0.000
L8	125 - 117.333 (8)	TP30.46x29.0027x0.2188	350.33	742.18	0.472	0.00	742.18	0.000
L9	117.333 - 117 (9)	TP30.0854x29.1355x0.2813	430.20	1103.26	0.390	0.00	1103.26	0.000
L10	117 - 112 (10)	TP31.0353x30.0854x0.2813	527.92	1159.56	0.455	0.00	1159.56	0.000
L11	112 - 107 (11)	TP31.9853x31.0353x0.2813	634.65	1216.18	0.522	0.00	1216.18	0.000
L12	107 - 102 (12)	TP32.9352x31.9853x0.2813	743.85	1273.01	0.584	0.00	1273.01	0.000
L13	102 - 97 (13)	TP33.8852x32.9352x0.2813	857.30	1329.97	0.645	0.00	1329.97	0.000
L14	97 - 95.83 (14)	TP34.1075x33.8852x0.2813	888.48	1343.31	0.661	0.00	1343.31	0.000
L15	95.83 - 95.58 (15)	TP34.155x34.1075x0.3813	894.88	2046.93	0.437	0.00	2046.93	0.000
L16	95.58 - 90.58 (16)	TP35.1049x34.155x0.3813	1026.22	2144.66	0.479	0.00	2144.66	0.000
L17	90.58 - 89.83 (17)	TP35.2474x35.1049x0.375	1046.56	2113.06	0.495	0.00	2113.06	0.000
L18	89.83 - 89.58 (18)	TP35.2949x35.2474x0.2813	1053.36	1414.56	0.745	0.00	1414.56	0.000
L19	89.58 - 82.5 (19)	TP36.64x35.2949x0.2813	1096.55	1432.56	0.765	0.00	1432.56	0.000
L20	82.5 - 81.5 (20)	TP36.266x35.0326x0.375	1280.10	2216.39	0.578	0.00	2216.39	0.000
L21	81.5 - 76.5 (21)	TP37.2147x36.266x0.375	1425.84	2313.57	0.616	0.00	2313.57	0.000
L22	76.5 - 74.25 (22)	TP37.6417x37.2147x0.375	1492.42	2357.57	0.633	0.00	2357.57	0.000
L23	74.25 - 74 (23)	TP37.6891x37.6417x0.4875	1499.86	3245.64	0.462	0.00	3245.64	0.000
L24	74 - 69 (24)	TP38.6379x37.6891x0.4813	1650.26	3372.28	0.489	0.00	3372.28	0.000
L25	69 - 64 (25)	TP39.5866x38.6379x0.475	1803.86	3495.23	0.516	0.00	3495.23	0.000
L26	64 - 59 (26)	TP40.5354x39.5866x0.475	1960.56	3641.73	0.538	0.00	3641.73	0.000
L27	59 - 55.75 (27)	TP41.1521x40.5354x0.475	2064.25	3737.84	0.552	0.00	3737.84	0.000
L28	55.75 - 55.5	TP41.1995x41.1521x0.6375	2072.29	5032.73	0.412	0.00	5032.73	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 $\frac{M_{uy}}{\phi M_{ny}}$
	(28)							
L29	55.5 - 50.5 (29)	TP42.1483x41.1995x0.6375	2235.37	5272.79	0.424	0.00	5272.79	0.000
L30	50.5 - 47.75 (30)	TP42.6701x42.1483x0.6375	2326.81	5407.20	0.430	0.00	5407.20	0.000
L31	47.75 - 47.5 (31)	TP42.7175x42.6701x0.5375	2335.18	4602.04	0.507	0.00	4602.04	0.000
L32	47.5 - 40.5833 (32)	TP44.03x42.7175x0.5375	2351.95	4622.90	0.509	0.00	4622.90	0.000
L33	40.5833 - 39.5833 (33)	TP43.4728x42.0624x0.7	2606.01	6141.02	0.424	0.00	6141.02	0.000
L34	39.5833 - 34.5833 (34)	TP44.4236x43.4728x0.7	2782.42	6419.32	0.433	0.00	6419.32	0.000
L35	34.5833 - 30.75 (35)	TP45.1525x44.4236x0.6875	2920.20	6523.85	0.448	0.00	6523.85	0.000
L36	30.75 - 30.5 (36)	TP45.2001x45.1525x0.5875	2929.26	5624.68	0.521	0.00	5624.68	0.000
L37	30.5 - 29 (37)	TP45.4853x45.2001x0.5875	2983.81	5697.31	0.524	0.00	5697.31	0.000
L38	29 - 28.75 (38)	TP45.5329x45.4853x0.6375	2992.93	6174.72	0.485	0.00	6174.72	0.000
L39	28.75 - 23.75 (39)	TP46.4837x45.5329x0.625	3176.70	6319.77	0.503	0.00	6319.77	0.000
L40	23.75 - 18.75 (40)	TP47.4345x46.4837x0.625	3363.10	6586.34	0.511	0.00	6586.34	0.000
L41	18.75 - 13.75 (41)	TP48.3853x47.4345x0.625	3552.11	6858.42	0.518	0.00	6858.42	0.000
L42	13.75 - 13 (42)	TP48.5279x48.3853x0.625	3580.68	6899.72	0.519	0.00	6899.72	0.000
L43	13 - 12.75 (43)	TP48.5754x48.5279x0.7125	3590.22	7838.33	0.458	0.00	7838.33	0.000
L44	12.75 - 8.25 (44)	TP49.4312x48.5754x0.7125	3763.13	8123.21	0.463	0.00	8123.21	0.000
L45	8.25 - 8 (45)	TP49.4787x49.4312x0.6625	3772.79	7591.32	0.497	0.00	7591.32	0.000
L46	8 - 5 (46)	TP50.0492x49.4787x0.6625	3889.38	7770.98	0.501	0.00	7770.98	0.000
L47	5 - 4.75 (47)	TP50.0967x50.0492x0.5625	3899.14	6508.42	0.599	0.00	6508.42	0.000
L48	4.75 - 0 (48)	TP51x50.0967x0.5625	4085.63	6709.77	0.609	0.00	6709.77	0.000

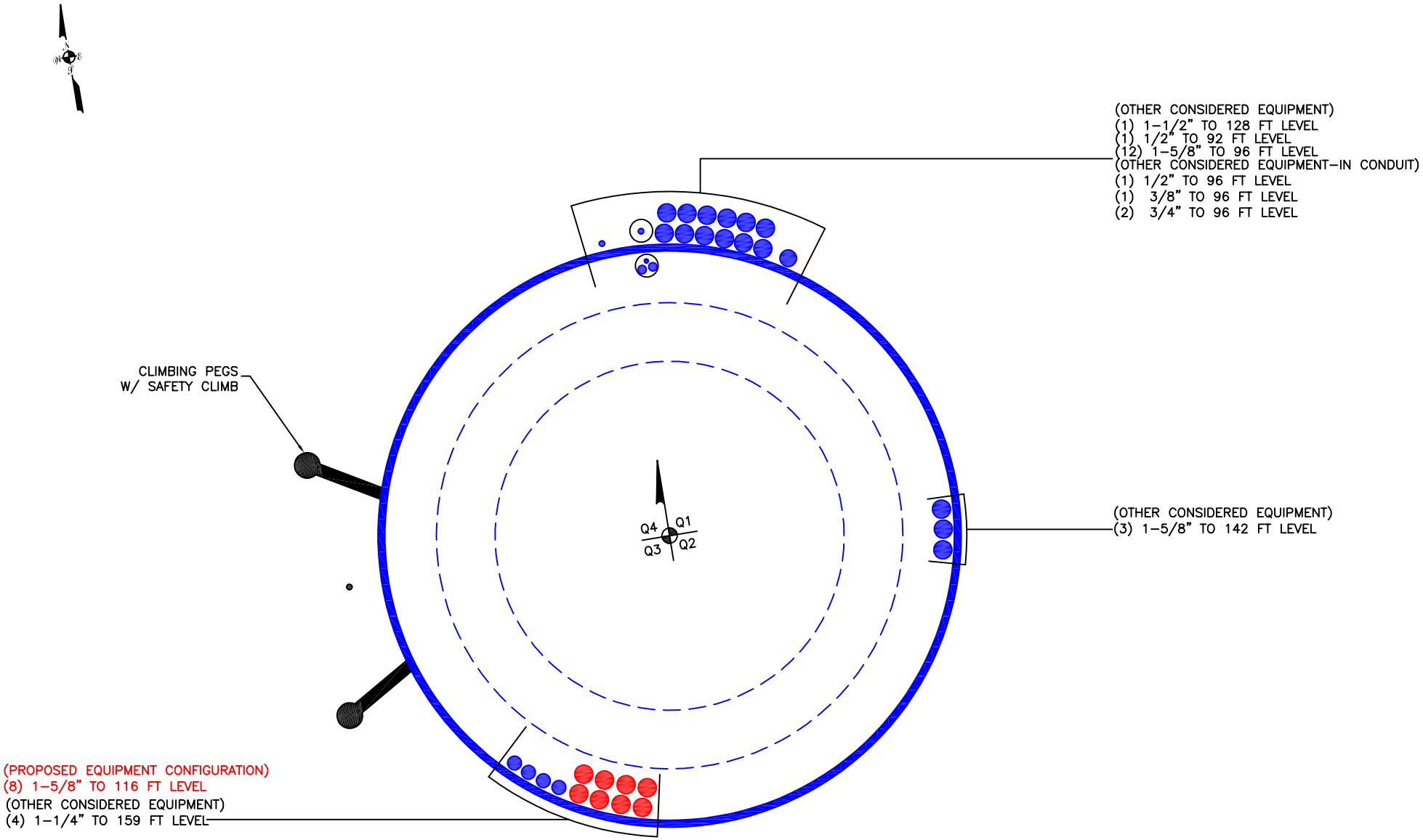
Pole Shear Design Data

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 - 155 (1)	TP23.3004x22.35x0.2188	3.90	285.33	0.014	0.00	579.31	0.000
L2	155 - 150 (2)	TP24.2508x23.3004x0.2188	5.12	297.08	0.017	0.00	628.00	0.000
L3	150 - 145 (3)	TP25.2012x24.2508x0.2188	5.59	308.83	0.018	0.00	678.66	0.000
L4	145 - 140 (4)	TP26.1516x25.2012x0.2188	11.20	320.58	0.035	0.00	731.27	0.000
L5	140 - 135 (5)	TP27.1019x26.1516x0.2188	11.69	332.32	0.035	0.00	785.86	0.000
L6	135 - 130 (6)	TP28.0523x27.1019x0.2188	12.18	344.07	0.035	0.00	842.40	0.000
L7	130 - 125 (7)	TP29.0027x28.0523x0.2188	15.40	355.82	0.043	0.15	900.91	0.000
L8	125 - 117.333 (8)	TP30.46x29.0027x0.2188	15.70	362.87	0.043	0.15	936.96	0.000
L9	117.333 - 117 (9)	TP30.0854x29.1355x0.2813	16.26	473.70	0.034	0.15	1241.88	0.000
L10	117 - 112 (10)	TP31.0353x30.0854x0.2813	21.11	488.80	0.043	0.28	1322.30	0.000
L11	112 - 107 (11)	TP31.9853x31.0353x0.2813	21.60	503.89	0.043	0.28	1405.25	0.000
L12	107 - 102 (12)	TP32.9352x31.9853x0.2813	22.09	518.99	0.043	0.26	1490.72	0.000
L13	102 - 97 (13)	TP33.8852x32.9352x0.2813	23.25	534.09	0.044	0.31	1578.72	0.000
L14	97 - 95.83 (14)	TP34.1075x33.8852x0.2813	25.53	537.62	0.047	0.45	1599.68	0.000
L15	95.83 - 95.58 (15)	TP34.155x34.1075x0.3813	25.59	727.65	0.035	0.46	2161.72	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 $\frac{T_u}{\phi T_n}$
L16	95.58 - 90.58 (16)	TP35.1049x34.155x0.3813	27.00	748.12	0.036	0.43	2285.03	0.000
L17	90.58 - 89.83 (17)	TP35.2474x35.1049x0.375	27.18	739.00	0.037	0.45	2266.88	0.000
L18	89.83 - 89.58 (18)	TP35.2949x35.2474x0.2813	27.21	556.50	0.049	0.46	1713.96	0.000
L19	89.58 - 82.5 (19)	TP36.64x35.2949x0.2813	27.47	561.27	0.049	0.53	1743.47	0.000
L20	82.5 - 81.5 (20)	TP36.266x35.0326x0.375	28.84	760.59	0.038	0.82	2401.23	0.000
L21	81.5 - 76.5 (21)	TP37.2147x36.266x0.375	29.46	780.69	0.038	0.82	2529.86	0.000
L22	76.5 - 74.25 (22)	TP37.6417x37.2147x0.375	29.73	789.74	0.038	0.82	2588.84	0.000
L23	74.25 - 74 (23)	TP37.6891x37.6417x0.4875	29.76	1024.87	0.029	0.82	3353.75	0.000
L24	74 - 69 (24)	TP38.6379x37.6891x0.4813	30.40	1037.70	0.029	0.82	3482.92	0.000
L25	69 - 64 (25)	TP39.5866x38.6379x0.475	31.04	1049.86	0.030	0.82	3611.92	0.000
L26	64 - 59 (26)	TP40.5354x39.5866x0.475	31.65	1075.33	0.029	0.82	3789.28	0.000
L27	59 - 55.75 (27)	TP41.1521x40.5354x0.475	32.16	1091.88	0.029	0.88	3906.84	0.000
L28	55.75 - 55.5 (28)	TP41.1995x41.1521x0.6375	32.19	1461.28	0.022	0.88	5213.77	0.000
L29	55.5 - 50.5 (29)	TP42.1483x41.1995x0.6375	33.03	1495.46	0.022	0.97	5460.53	0.000
L30	50.5 - 47.75 (30)	TP42.6701x42.1483x0.6375	33.48	1514.26	0.022	1.01	5598.67	0.000
L31	47.75 - 47.5 (31)	TP42.7175x42.6701x0.5375	33.50	1281.20	0.026	1.02	4753.63	0.000
L32	47.5 - 40.5833 (32)	TP44.03x42.7175x0.5375	33.58	1284.09	0.026	1.03	4775.04	0.000
L33	40.5833 - 39.5833 (33)	TP43.4728x42.0624x0.7	34.90	1691.99	0.021	1.16	6365.99	0.000
L34	39.5833 - 34.5833 (34)	TP44.4236x43.4728x0.7	35.66	1729.60	0.021	1.25	6652.16	0.000
L35	34.5833 - 30.75 (35)	TP45.1525x44.4236x0.6875	36.23	1727.53	0.021	1.31	6756.82	0.000
L36	30.75 - 30.5 (36)	TP45.2001x45.1525x0.5875	36.25	1481.15	0.024	1.32	5812.40	0.000
L37	30.5 - 29 (37)	TP45.4853x45.2001x0.5875	36.48	1490.62	0.024	1.34	5886.96	0.000
L38	29 - 28.75 (38)	TP45.5329x45.4853x0.6375	36.48	1617.39	0.023	1.34	6387.28	0.000
L39	28.75 - 23.75 (39)	TP46.4837x45.5329x0.625	37.02	1619.70	0.023	1.34	6533.65	0.000
L40	23.75 - 18.75 (40)	TP47.4345x46.4837x0.625	37.54	1653.28	0.023	1.34	6807.38	0.000
L41	18.75 - 13.75 (41)	TP48.3853x47.4345x0.625	38.07	1686.86	0.023	1.34	7086.74	0.000
L42	13.75 - 13 (42)	TP48.5279x48.3853x0.625	38.14	1691.90	0.023	1.34	7129.13	0.000
L43	13 - 12.75 (43)	TP48.5754x48.5279x0.7125	38.16	1927.16	0.020	1.34	8113.65	0.000
L44	12.75 - 8.25 (44)	TP49.4312x48.5754x0.7125	38.68	1961.61	0.020	1.34	8406.33	0.000
L45	8.25 - 8 (45)	TP49.4787x49.4312x0.6625	38.69	1827.61	0.021	1.34	7847.78	0.000
L46	8 - 5 (46)	TP50.0492x49.4787x0.6625	39.03	1848.97	0.021	1.34	8032.27	0.000
L47	5 - 4.75 (47)	TP50.0967x50.0492x0.5625	39.04	1574.57	0.025	1.34	6860.67	0.000
L48	4.75 - 0 (48)	TP51x50.0967x0.5625	39.48	1603.28	0.025	1.34	7113.16	0.000

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/2" TO 128 FT LEVEL
(1) 1/2" TO 92 FT LEVEL
(12) 1-5/8" TO 96 FT LEVEL
(OTHER CONSIDERED EQUIPMENT-IN CONDUIT)
(1) 1/2" TO 96 FT LEVEL
(1) 3/8" TO 96 FT LEVEL
(2) 3/4" TO 96 FT LEVEL
CLIMBING PEGS
W/ SAFETY CLIMB
Q4
Q1
Q3
Q2
(OTHER CONSIDERED EQUIPMENT)
(3) 1-5/8" TO 142 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(8) 1-5/8" TO 116 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(4) 1-1/4" TO 159 FT LEVEL

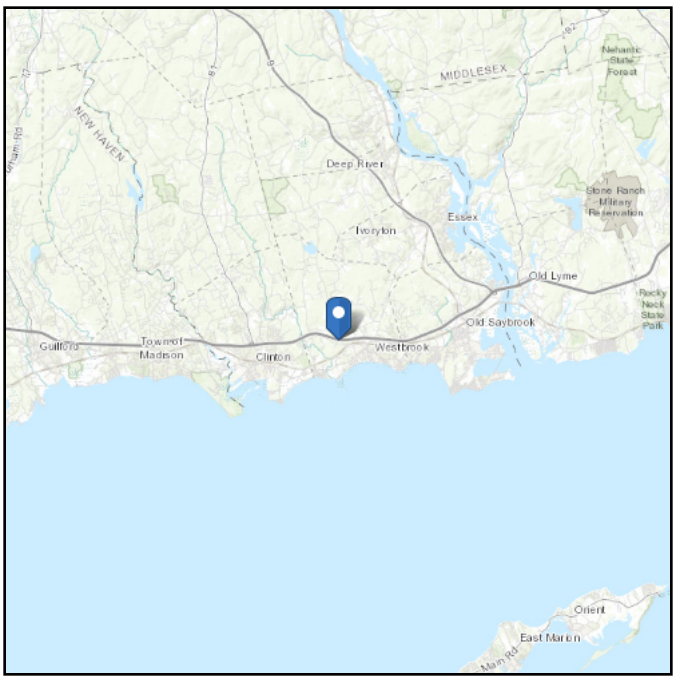
APPENDIX C

ADDITIONAL CALCULATIONS

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Latitude:**	41.290494
Risk Category:	II	**Longitude:**	-72.468903
Soil Class:	D - Default (see Section 11.4.3)	**Elevation:**	93.70489996049896 ft (NAVD 88)



Wind

Results:

Wind Speed	125 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	96 Vmph
100-year MRI	102 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2

Date Accessed: Mon Jul 31 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

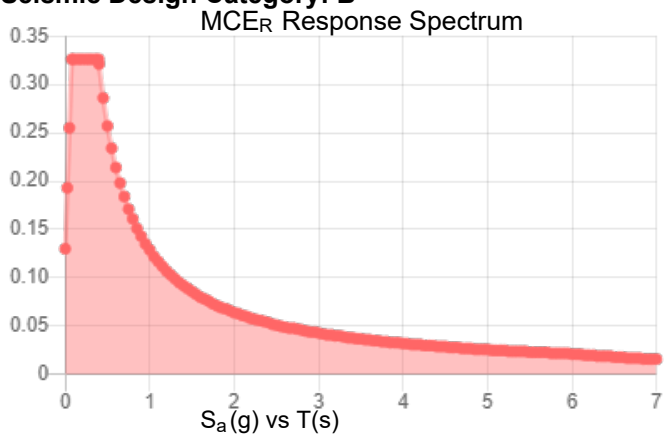
D - Default (see Section 11.4.3)

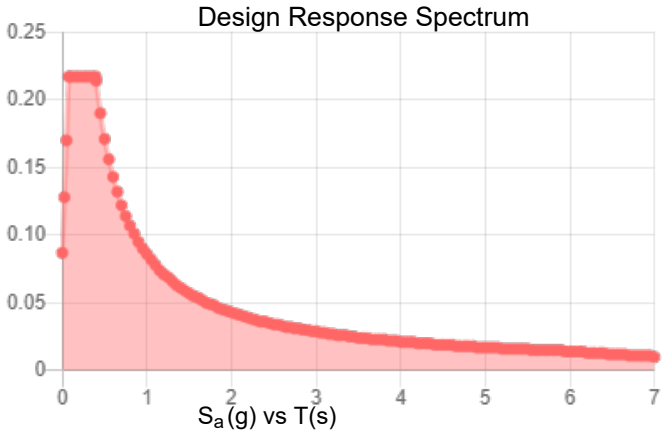
Site Soil Class:

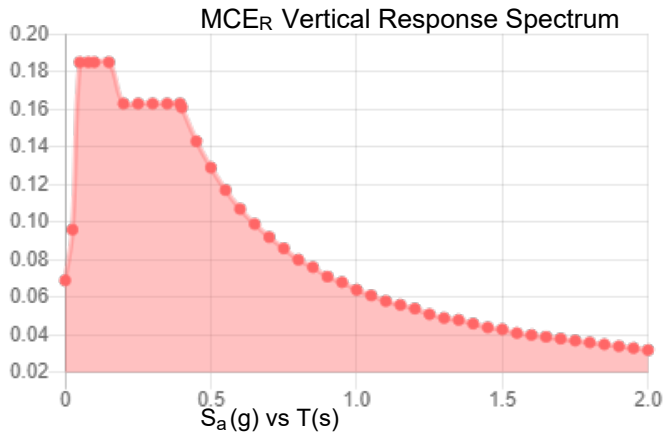
Results:

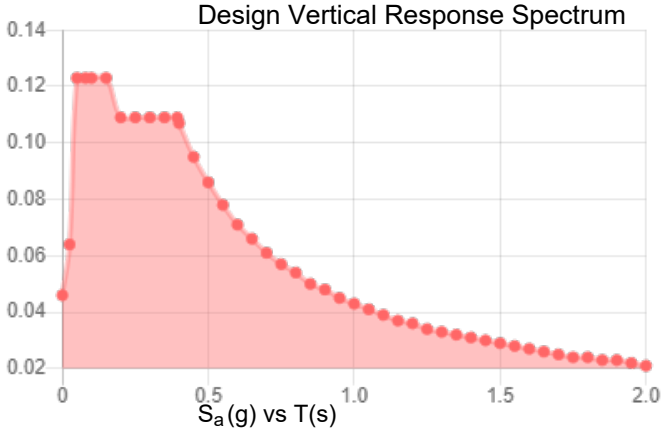
S_S :	0.204	S_{D1} :	0.086
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.114
F_v :	2.4	PGA_M :	0.179
S_{MS} :	0.326	F_{PGA} :	1.572
S_{M1} :	0.129	I_e :	1
S_{DS} :	0.217	C_v :	0.708

Seismic Design Category: B









Data Accessed: **Mon Jul 31 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:	Mon Jul 31 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.

CCIpole

per TIA-222- H

Site BU: 876339

Work Order: 2246201

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	42.6667	4.6667	12	22.35	30.46	0.21875	Auto	A572-65
2	122	39.5	5.5	12	29.14	36.64	0.28125	Auto	A572-65
3	88	47.4167	6.4167	12	35.03	44.03	0.375	Auto	A572-65
4	47	47	0	12	42.06	51	0.4375	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12
1	0	8.25	plate	WPL 1.25x6.25 (65ksi)	1								x				
2	0	29	plate	WPL 1.25x6.875 (65ksi	2			x								x	
3	8.25	29	plate	PL 1.25x6.875 (65ksi)	1							x					
4	29	55.75	plate	PL 1.25x5.25 (65ksi)	3			x				x				x	
5	47.75	74.25	plate	ISP-UR-0754	3		x				x				x		
6	5	13	plate	MS-600 (1.1875")	3		x			x				x			
7	30.75	42.75	plate	MS-450 (1.1875")	3	x				x				x			
8	89.83	95.83	plate	MS-600 (1.1875")	3				x			x			x		
9																	
10																	

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	6.25	1.25	7.8125	0.625	Welded	n/a	PC 8.8 - M20 (100)	33.000	19.000	6.209	1.2205	A572-65
2	6.875	1.25	8.59375	0.625	Welded	n/a	PC 8.8 - M20 (100)	54.000	18.000	6.990	1.2205	A572-65
3	6.875	1.25	8.59375	0.625	PC 8.8 - M20 (100)	39	PC 8.8 - M20 (100)	54.000	18.000	6.990	1.2205	A572-65
4	5.25	1.25	6.5625	0.625	Welded	n/a	PC 8.8 - M20 (100)	27.000	22.000	4.959	1.2205	A572-65
5	4	1	4	0.5	PC 8.8 - M20 (100)	21	PC 8.8 - M20 (100)	21.000	20.000	2.750	1.1875	A514-GR100
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	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.625	3.250	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

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)
WPL 1.25x6.25 (65ksi)	Top	11	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	CJP Groove	6.25	1.25	45	0.5	-	-	-
WPL 1.25x6.875 (65ksi)	Top	18	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	CJP Groove	6.875	1.25	45	0.5	-	-	-
PL 1.25x6.875 (65ksi)	Top	18	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	13	N	3	3	-	-	-	-	-	-	-	-	-
PL 1.25x5.25 (65ksi)	Top	9	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	Fillet	5.25	-	-	0.5	9	0.500	-
ISP-UR-0754	Top	7	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	7	N	3	3	-	-	-	-	-	-	-	-	-

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 - 155	5		12	22.350	23.300	0.21875	A572-65	1.000
2	155 - 150	5		12	23.300	24.251	0.21875	A572-65	1.000
3	150 - 145	5		12	24.251	25.201	0.21875	A572-65	1.000
4	145 - 140	5		12	25.201	26.152	0.21875	A572-65	1.000
5	140 - 135	5		12	26.152	27.102	0.21875	A572-65	1.000
6	135 - 130	5		12	27.102	28.052	0.21875	A572-65	1.000
7	130 - 125	5		12	28.052	29.003	0.21875	A572-65	1.000
8	125 - 122	7.6667	4.6667	12	29.003	30.460	0.21875	A572-65	1.000
9	122 - 117	5		12	29.135	30.085	0.28125	A572-65	1.000
10	117 - 112	5		12	30.085	31.035	0.28125	A572-65	1.000
11	112 - 107	5		12	31.035	31.985	0.28125	A572-65	1.000
12	107 - 102	5		12	31.985	32.935	0.28125	A572-65	1.000
13	102 - 97	5		12	32.935	33.885	0.28125	A572-65	1.000
14	97 - 95.83	1.17		12	33.885	34.107	0.28125	A572-65	1.000
15	95.83 - 95.58	0.25		12	34.107	34.155	0.38125	A572-65	1.175
16	95.58 - 90.58	5		12	34.155	35.105	0.38125	A572-65	1.163
17	90.58 - 89.83	0.75		12	35.105	35.247	0.375	A572-65	1.180
18	89.83 - 89.58	0.25		12	35.247	35.295	0.28125	A572-65	1.000
19	89.58 - 88	7.08	5.5	12	35.295	36.640	0.28125	A572-65	1.000
20	88 - 81.5	6.5		12	35.033	36.266	0.375	A572-65	1.000
21	81.5 - 76.5	5		12	36.266	37.215	0.375	A572-65	1.000
22	76.5 - 74.25	2.25		12	37.215	37.642	0.375	A572-65	1.000
23	74.25 - 74	0.25		12	37.642	37.689	0.4875	A572-65	0.977
24	74 - 69	5		12	37.689	38.638	0.48125	A572-65	0.985
25	69 - 64	5		12	38.638	39.587	0.475	A572-65	0.992
26	64 - 59	5		12	39.587	40.535	0.475	A572-65	0.988
27	59 - 55.75	3.25		12	40.535	41.152	0.475	A572-65	0.985
28	55.75 - 55.5	0.25		12	41.152	41.200	0.6375	A572-65	0.973
29	55.5 - 50.5	5		12	41.200	42.148	0.6375	A572-65	0.964
30	50.5 - 47.75	2.75		12	42.148	42.670	0.6375	A572-65	0.960
31	47.75 - 47.5	0.25		12	42.670	42.718	0.5375	A572-65	0.970
32	47.5 - 47	6.9167	6.4167	12	42.718	44.030	0.5375	A572-65	0.970
33	47 - 39.5833	7.4167		12	42.062	43.473	0.7	A572-65	0.974
34	39.5833 - 34.5833	5		12	43.473	44.424	0.7	A572-65	0.966
35	34.5833 - 30.75	3.8333		12	44.424	45.153	0.6875	A572-65	0.978
36	30.75 - 30.5	0.25		12	45.153	45.200	0.5875	A572-65	0.981
37	30.5 - 29	1.5		12	45.200	45.485	0.5875	A572-65	0.979
38	29 - 28.75	0.25		12	45.485	45.533	0.6375	A572-65	0.969
39	28.75 - 23.75	5		12	45.533	46.484	0.625	A572-65	0.983
40	23.75 - 18.75	5		12	46.484	47.434	0.625	A572-65	0.977
41	18.75 - 13.75	5		12	47.434	48.385	0.625	A572-65	0.971
42	13.75 - 13	0.75		12	48.385	48.528	0.625	A572-65	0.971
43	13 - 12.75	0.25		12	48.528	48.575	0.7125	A572-65	1.017
44	12.75 - 8.25	4.5		12	48.575	49.431	0.7125	A572-65	1.010
45	8.25 - 8	0.25		12	49.431	49.479	0.6625	A572-65	1.077
46	8 - 5	3		12	49.479	50.049	0.6625	A572-65	1.072
47	5 - 4.75	0.25		12	50.049	50.097	0.5625	A572-65	1.059
48	4.75 - 0	4.75		12	50.097	51.000	0.5625	A572-65	1.054

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	160 - 155	2.85	16.18	3.90
2	155 - 150	3.66	40.18	5.12
3	150 - 145	4.01	66.96	5.59
4	145 - 140	8.27	113.60	11.20
5	140 - 135	8.70	170.79	11.69
6	135 - 130	9.16	230.44	12.18
7	130 - 125	12.36	303.70	15.40
8	125 - 122	12.67	350.33	15.70
9	122 - 117	13.69	430.20	16.26
10	117 - 112	18.10	527.92	21.11
11	112 - 107	18.86	634.65	21.60
12	107 - 102	19.64	743.85	22.09
13	102 - 97	21.32	857.30	23.25
14	97 - 95.83	23.69	888.49	25.53
15	95.83 - 95.58	23.81	894.88	25.59
16	95.58 - 90.58	26.02	1026.22	27.00
17	90.58 - 89.83	26.31	1046.55	27.18
18	89.83 - 89.58	26.37	1053.35	27.21
19	89.58 - 88	26.65	1096.55	27.47
20	88 - 81.5	29.10	1280.10	28.84
21	81.5 - 76.5	30.30	1425.84	29.46
22	76.5 - 74.25	30.85	1492.42	29.73
23	74.25 - 74	30.93	1499.86	29.76
24	74 - 69	32.38	1650.26	30.40
25	69 - 64	33.87	1803.85	31.04
26	64 - 59	35.39	1960.56	31.65
27	59 - 55.75	36.39	2064.25	32.16
28	55.75 - 55.5	36.50	2072.29	32.19
29	55.5 - 50.5	38.42	2235.37	33.03
30	50.5 - 47.75	39.49	2326.80	33.48
31	47.75 - 47.5	39.59	2335.18	33.50
32	47.5 - 47	39.76	2351.95	33.58
33	47 - 39.5833	44.80	2606.01	34.90
34	39.5833 - 34.5833	47.01	2782.41	35.66
35	34.5833 - 30.75	48.72	2920.20	36.23
36	30.75 - 30.5	48.83	2929.26	36.25
37	30.5 - 29	49.42	2983.81	36.48
38	29 - 28.75	49.54	2992.93	36.48
39	28.75 - 23.75	51.67	3176.70	37.02
40	23.75 - 18.75	53.85	3363.10	37.54
41	18.75 - 13.75	56.05	3552.11	38.07
42	13.75 - 13	56.39	3580.68	38.14
43	13 - 12.75	56.52	3590.22	38.16
44	12.75 - 8.25	58.85	3763.12	38.68
45	8.25 - 8	58.98	3772.79	38.69
46	8 - 5	60.54	3889.38	39.03
47	5 - 4.75	60.66	3899.14	39.04
48	4.75 - 0	62.82	4085.62	39.48

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP23.3x22.35x0.2188	Pole	3.3%	Pass
155 - 150	Pole	TP24.251x23.3x0.2188	Pole	7.3%	Pass
150 - 145	Pole	TP25.201x24.251x0.2188	Pole	11.3%	Pass
145 - 140	Pole	TP26.152x25.201x0.2188	Pole	18.3%	Pass
140 - 135	Pole	TP27.102x26.152x0.2188	Pole	25.7%	Pass
135 - 130	Pole	TP28.052x27.102x0.2188	Pole	32.7%	Pass
130 - 125	Pole	TP29.003x28.052x0.2188	Pole	41.1%	Pass
125 - 122	Pole	TP30.46x29.003x0.2188	Pole	46.0%	Pass
122 - 117	Pole	TP30.085x29.135x0.2813	Pole	38.0%	Pass
117 - 112	Pole	TP31.035x30.085x0.2813	Pole	44.5%	Pass
112 - 107	Pole	TP31.985x31.035x0.2813	Pole	50.8%	Pass
107 - 102	Pole	TP32.935x31.985x0.2813	Pole	56.8%	Pass
102 - 97	Pole	TP33.885x32.935x0.2813	Pole	62.5%	Pass
97 - 95.83	Pole	TP34.107x33.885x0.2813	Pole	64.3%	Pass
95.83 - 95.58	Pole + Reinf.	TP34.155x34.107x0.3813	Reinf. 8 Tension Rupture	54.8%	Pass
95.58 - 90.58	Pole + Reinf.	TP35.105x34.155x0.3813	Reinf. 8 Tension Rupture	59.9%	Pass
90.58 - 89.83	Pole + Reinf.	TP35.247x35.105x0.375	Reinf. 8 Tension Rupture	60.7%	Pass
89.83 - 89.58	Pole	TP35.295x35.247x0.2813	Pole	72.3%	Pass
89.58 - 88	Pole	TP36.64x35.295x0.2813	Pole	74.3%	Pass
88 - 81.5	Pole	TP36.266x35.033x0.375	Pole	56.1%	Pass
81.5 - 76.5	Pole	TP37.215x36.266x0.375	Pole	59.8%	Pass
76.5 - 74.25	Pole	TP37.642x37.215x0.375	Pole	61.4%	Pass
74.25 - 74	Pole + Reinf.	TP37.689x37.642x0.4875	Reinf. 5 Tension Rupture	57.8%	Pass
74 - 69	Pole + Reinf.	TP38.638x37.689x0.4813	Reinf. 5 Tension Rupture	60.8%	Pass
69 - 64	Pole + Reinf.	TP39.587x38.638x0.475	Reinf. 5 Tension Rupture	63.6%	Pass
64 - 59	Pole + Reinf.	TP40.535x39.587x0.475	Reinf. 5 Tension Rupture	66.2%	Pass
59 - 55.75	Pole + Reinf.	TP41.152x40.535x0.475	Reinf. 5 Tension Rupture	67.7%	Pass
55.75 - 55.5	Pole + Reinf.	TP41.2x41.152x0.6375	Reinf. 4 Tension Rupture	63.7%	Pass
55.5 - 50.5	Pole + Reinf.	TP42.148x41.2x0.6375	Reinf. 4 Tension Rupture	66.2%	Pass
50.5 - 47.75	Pole + Reinf.	TP42.67x42.148x0.6375	Reinf. 4 Tension Rupture	67.5%	Pass
47.75 - 47.5	Pole + Reinf.	TP42.718x42.67x0.5375	Reinf. 4 Tension Rupture	79.5%	Pass
47.5 - 47	Pole + Reinf.	TP44.03x42.718x0.5375	Reinf. 4 Tension Rupture	79.7%	Pass
47 - 39.58	Pole + Reinf.	TP43.473x42.062x0.7	Reinf. 7 Compression	69.1%	Pass
39.58 - 34.58	Pole + Reinf.	TP44.424x43.473x0.7	Reinf. 7 Compression	71.1%	Pass
34.58 - 30.75	Pole + Reinf.	TP45.153x44.424x0.6875	Reinf. 7 Compression	72.7%	Pass
30.75 - 30.5	Pole + Reinf.	TP45.2x45.153x0.5875	Reinf. 4 Tension Rupture	80.9%	Pass
30.5 - 29	Pole + Reinf.	TP45.485x45.2x0.5875	Reinf. 4 Weldment	81.9%	Pass
29 - 28.75	Pole + Reinf.	TP45.533x45.485x0.6375	Reinf. 2 Tension Rupture	70.4%	Pass
28.75 - 23.75	Pole + Reinf.	TP46.484x45.533x0.625	Reinf. 2 Tension Rupture	72.1%	Pass
23.75 - 18.75	Pole + Reinf.	TP47.434x46.484x0.625	Reinf. 2 Tension Rupture	73.7%	Pass
18.75 - 13.75	Pole + Reinf.	TP48.385x47.434x0.625	Reinf. 2 Tension Rupture	75.2%	Pass
13.75 - 13	Pole + Reinf.	TP48.528x48.385x0.625	Reinf. 2 Tension Rupture	75.4%	Pass
13 - 12.75	Pole + Reinf.	TP48.575x48.528x0.7125	Reinf. 2 Tension Rupture	66.8%	Pass
12.75 - 8.25	Pole + Reinf.	TP49.431x48.575x0.7125	Reinf. 2 Tension Rupture	68.1%	Pass
8.25 - 8	Pole + Reinf.	TP49.479x49.431x0.6625	Reinf. 6 Tension Rupture	72.9%	Pass
8 - 5	Pole + Reinf.	TP50.049x49.479x0.6625	Reinf. 6 Tension Rupture	73.7%	Pass
5 - 4.75	Pole + Reinf.	TP50.097x50.049x0.5625	Reinf. 2 Tension Rupture	79.1%	Pass
4.75 - 0	Pole + Reinf.	TP51x50.097x0.5625	Reinf. 2 Tension Rupture	80.3%	Pass
				Summary	
			Pole	74.3%	Pass
			Reinforcement	81.9%	Pass
			Overall	81.9%	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
160 - 155	1107	n/a	1107	16.23	n/a	16.23	3.3%								
155 - 150	1250	n/a	1250	16.90	n/a	16.90	7.3%								
150 - 145	1404	n/a	1404	17.57	n/a	17.57	11.3%								
145 - 140	1570	n/a	1570	18.24	n/a	18.24	18.3%								
140 - 135	1749	n/a	1749	18.91	n/a	18.91	25.7%								
135 - 130	1941	n/a	1941	19.58	n/a	19.58	32.7%								
130 - 125	2147	n/a	2147	20.25	n/a	20.25	41.1%								
125 - 122	2277	n/a	2277	20.65	n/a	20.65	46.0%								
122 - 117	3064	n/a	3064	26.95	n/a	26.95	38.0%								
117 - 112	3367	n/a	3367	27.81	n/a	27.81	44.5%								
112 - 107	3689	n/a	3689	28.67	n/a	28.67	50.8%								
107 - 102	4030	n/a	4030	29.53	n/a	29.53	56.8%								
102 - 97	4392	n/a	4392	30.39	n/a	30.39	62.5%								
97 - 95.83	4480	n/a	4480	30.59	n/a	30.59	64.3%								
95.83 - 95.58	4643	1518	6160	30.63	18.00	48.63	51.1%								54.8%
95.58 - 90.58	5039	1604	6643	31.49	18.00	49.49	56.5%								59.9%
90.58 - 89.83	5100	1617	6717	31.62	18.00	49.62	57.3%								60.7%
89.83 - 89.58	4969	n/a	4969	31.66	n/a	31.66	72.3%								
89.58 - 88	5097	n/a	5097	31.94	n/a	31.94	74.3%								
88 - 81.5	7135	n/a	7135	43.28	n/a	43.28	56.1%								
81.5 - 76.5	7716	n/a	7716	44.42	n/a	44.42	59.8%								
76.5 - 74.25	7988	n/a	7988	44.94	n/a	44.94	61.4%								
74.25 - 74	8018	2254	10272	44.99	12.00	56.99	46.4%					57.8%			
74 - 69	8646	2365	11011	46.14	12.00	58.14	49.3%					60.8%			
69 - 64	9305	2479	11784	47.28	12.00	59.28	52.1%					63.6%			
64 - 59	9997	2596	12593	48.42	12.00	60.42	54.7%					66.2%			
59 - 55.75	10464	2674	13138	49.17	12.00	61.17	56.4%					67.7%			
55.75 - 55.5	10501	7138	17639	49.23	31.69	80.91	42.3%				63.7%	50.7%			
55.5 - 50.5	11250	7460	18710	50.37	31.69	82.06	44.4%				66.2%	52.8%			
50.5 - 47.75	11677	7640	19317	51.00	31.69	82.69	45.6%				67.5%	53.8%			
47.75 - 47.5	11716	4781	16497	51.06	19.69	70.74	53.7%				79.5%				
47.5 - 47	11795	4802	16597	51.17	19.69	70.86	53.9%				79.7%				
47 - 39.58	14351	8296	22647	60.54	33.19	93.73	42.1%				65.7%			69.1%	
39.58 - 34.58	15323	8651	23975	61.88	33.19	95.06	43.7%				67.7%			71.1%	
34.58 - 30.75	16098	8929	25027	62.90	33.19	96.09	44.9%				69.2%			72.7%	
30.75 - 30.5	16149	5334	21483	62.97	19.69	82.66	52.6%				80.9%				
30.5 - 29	16460	5399	21859	63.37	19.69	83.06	53.1%				81.9%				
29 - 28.75	16512	7106	23618	63.44	25.78	89.22	49.3%		70.4%	70.4%					
28.75 - 23.75	17579	7395	24974	64.77	25.78	90.56	51.0%		72.1%	72.1%					
23.75 - 18.75	18690	7691	26381	66.11	25.78	91.89	52.6%		73.7%	73.7%					
18.75 - 13.75	19848	7992	27840	67.45	25.78	93.23	54.1%		75.2%	75.2%					
13.75 - 13	20025	8038	28063	67.65	25.78	93.43	54.4%		75.4%	75.4%					
13 - 12.75	20113	12356	32469	67.72	43.78	111.50	49.3%		66.8%	64.5%			64.9%		
12.75 - 8.25	21204	12782	33987	68.92	43.78	112.70	50.6%		68.1%	65.7%			66.1%		
8.25 - 8	21243	10504	31747	68.99	43.00	111.99	54.2%	64.9%	69.6%				72.9%		
8 - 5	21993	10740	32733	69.79	43.00	112.79	55.1%	65.7%	70.4%				73.7%		
5 - 4.75	22139	6159	28297	69.86	25.00	94.86	66.0%	78.7%	79.1%						
4.75 - 0	23366	6378	29744	71.13	25.00	96.13	67.5%	79.9%	80.3%						

Note: Section capacity checked assuming all reinforcements are effective and using 5 degree increments.

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

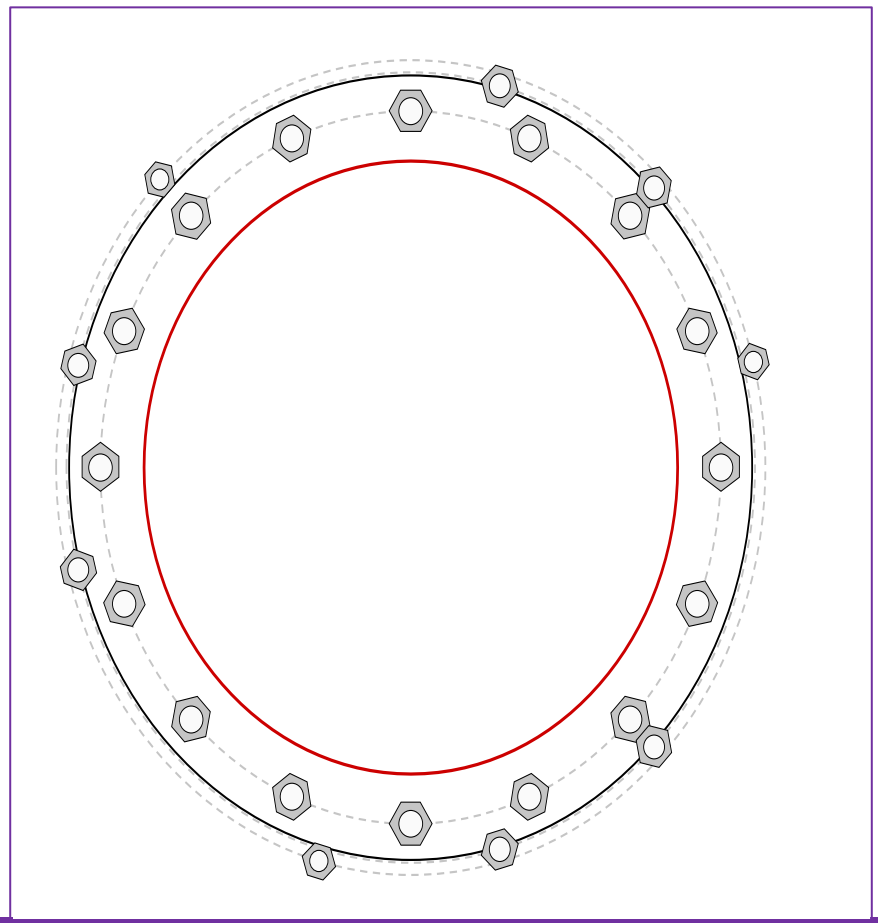
Monopole Base Plate Connection

Site Info	
BU #	876339
Site Name	ond Meadow Rd. Stab
Order #	654618 Rev. 0

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

Applied Loads	
Moment (kip-ft)	4086.00
Axial Force (kips)	63.00
Shear Force (kips)	39.00

**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 59.3" BC
GROUP 2: (6) 2" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 65.8" BC
GROUP 3: (3) 1-3/4" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 67.8" BC

Base Plate Data

65.3" OD x 2.75" Plate (S-128; Fy=60 ksi, Fu=80 ksi)

Stiffener Data

N/A

Pole Data

51" x 0.4375" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

GROUP 1:

Pu_t = 133.94	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.44	ϕVn = 149.1	**52.3%**
Mu = n/a	ϕMn = n/a	**Pass**

GROUP 2:

Pu_t = 117.69	ϕPn_t = 234.38	**Stress Rating**
Vu = 0	ϕVn = 147.26	**47.8%**
Mu = n/a	ϕMn = n/a	**Pass**

GROUP 3:

Pu_t = 92.16	ϕPn_t = 178.13	**Stress Rating**
Vu = 0	ϕVn = 112.75	**49.3%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	18.98	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**33.5%**	**Pass**

CCIplate

Elevation (ft)	0	*(Base)*

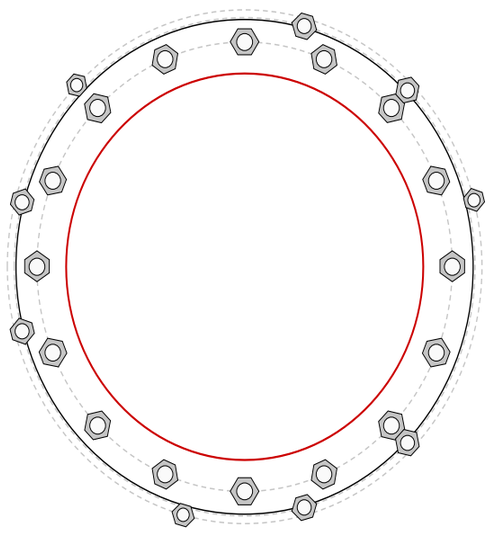
note: Bending interaction not considered when Grout Considered = "Yes"

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

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	I_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	2.25	A615-75	59.3	0.5	0	N-Included		No
2	1	22.5	2.25	A615-75	59.3	0.5	0	N-Included		No
3	1	45	2.25	A615-75	59.3	0.5	0	N-Included		No
4	1	67.5	2.25	A615-75	59.3	0.5	0	N-Included		No
5	1	90	2.25	A615-75	59.3	0.5	0	N-Included		No
6	1	112.5	2.25	A615-75	59.3	0.5	0	N-Included		No
7	1	135	2.25	A615-75	59.3	0.5	0	N-Included		No
8	1	157.5	2.25	A615-75	59.3	0.5	0	N-Included		No
9	1	180	2.25	A615-75	59.3	0.5	0	N-Included		No
10	1	202.5	2.25	A615-75	59.3	0.5	0	N-Included		No
11	1	225	2.25	A615-75	59.3	0.5	0	N-Included		No
12	1	247.5	2.25	A615-75	59.3	0.5	0	N-Included		No
13	1	270	2.25	A615-75	59.3	0.5	0	N-Included		No
14	1	292.5	2.25	A615-75	59.3	0.5	0	N-Included		No
15	1	315	2.25	A615-75	59.3	0.5	0	N-Included		No
16	1	337.5	2.25	A615-75	59.3	0.5	0	N-Included		No
17	2	45	2	A193 Gr. B7	65.8	0.5	0	N-Included		No
18	2	75	2	A193 Gr. B7	65.8	0.5	0	N-Included		No
19	2	165	2	A193 Gr. B7	65.8	0.5	0	N-Included		No
20	2	195	2	A193 Gr. B7	65.8	0.5	0	N-Included		No
21	2	285	2	A193 Gr. B7	65.8	0.5	0	N-Included		No
22	2	315	2	A193 Gr. B7	65.8	0.5	0	N-Included		No
23	3	15	1.75	A193 Gr. B7	67.8	0.5	0	N-Included		No
24	3	135	1.75	A193 Gr. B7	67.8	0.5	0	N-Included		No
25	3	255	1.75	A193 Gr. B7	67.8	0.5	0	N-Included		No

Plot Graphic



Pier and Pad Foundation

BU # :	876339
Site Name:	Pond Meadow Rd.
App. Number:	654618 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp}:	63	kips
Base Shear, Vu_comp:	39	kips
Moment, M_u:	4086	ft-kips
Tower Height, **H**:	160	ft
BP Dist. Above Fdn, bp_{dist}:	0	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	11	
Pier Rebar Quantity, **mc**:	36	
Pier Tie/Spiral Size, **St**:	5	
Pier Tie/Spiral Quantity, **mt**:	5	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	7.5	ft
Pad Width, W_1:	23	ft
Pad Thickness, **T**:	3.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	11	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	24	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties		
Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	120	pcf
Ultimate Gross Bearing, Qult:	30.000	ksf
Cohesion, **Cu**:		ksf
Friction Angle, φ:	33	degrees
SPT Blow Count, N_{blows}:	20	
Base Friction, μ:	0.45	
Neglected Depth, **N**:	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	326.25	39.00	**11.4%**	**Pass**
Bearing Pressure (ksf)	22.50	3.59	**16.0%**	**Pass**
*Overturning (kip*ft)*	6377.85	4398.00	**69.0%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	8682.06	4261.50	**46.7%**	**Pass**
Pier Compression (kip)	24494.62	94.17	**0.4%**	**Pass**
*Pad Flexure (kip*ft)*	6012.73	1878.18	**29.7%**	**Pass**
Pad Shear - 1-way (kips)	965.78	300.44	**29.6%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.000	**0.0%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	9015.07	2556.90	**27.0%**	**Pass**

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

Structural Rating*:	**46.7%**
Soil Rating*:	**69.0%**

<--Toggle between Gross and Net

Version 4.1.1