



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

August 22, 2023

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

RE: **Notice of Exempt Modification for Verizon**
Crown #806953_Crown_VZW
69 Guinea Road, Stamford, CT 06903
Latitude: 41.101777 / Longitude: -73.594847

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 69 Guinea Road, Stamford, CT 06903. The property is owned by Girl Scouts of Connecticut and the tower is owned by Crown Castle. Verizon now intends to add two (2) interference mitigation filters to be installed at the 142-foot level of the tower of the 160-foot monopole. This modification may include B2, B5, B17, B14, B29, B30, B66 & antenna hardware that is 4G(LTE) and/or 5G NR capable through remote software configuration and either or both services may be turned on or off at various times.

Planned Modification:

Tower:

Installed New:

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

The facility was approved by the Connecticut Siting Council, Docket #180, on April 2, 1998. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Mayor Caroline Simmons and Chief Zoning Enforcement Officer James Lunney, III for the municipality. A copy is also being sent to Girl Scouts of Connecticut 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.

The Foundation for a Wireless World.
CrownCastle.com

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

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

Sincerely,



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

Attachments

cc

Mayor Caroline Simmons
Stamford Government Center
888 Washington Blvd.
10th Floor
Stamford, CT 06901
203-977-4150

James Lunney, III, Chief ZEO
Stamford Government Center
888 Washington Blvd.
7th Floor
Stamford, CT 06901
203-977-4164

Girl Scouts of Connecticut Inc., Property Owner
340 Washington Street
Hartford, CT 06106
800-922-2770

Crown Castle, Tower Owner

From: TrackingUpdates@fedex.com
To: [Tatasciore, Domenica](#)
Subject: FedEx Shipment 773054664388: Your package has been delivered
Date: Tuesday, August 22, 2023 10:39:42 AM

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FedEx



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Delivered to 888 WASHINGTON BLVD, STAMFORD, CT 06901
Received by E.GUTIERREZ

[OBTAIN PROOF OF DELIVERY](#)

TRACKING NUMBER [773054664388](#)

FROM Crown Castle
1800 West Park Drive

	Suite 200 WESTBOROUGH, MA, US, 01581
TO	Stamford Government Center Mayor Caroline Simmons 888 Washington Blvd. 10th Floor STAMFORD, CT, US, 06901
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 8/21/2023 05:53 PM
DELIVERED TO	Mailroom
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	STAMFORD, CT, US, 06901
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight



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Delivered to 888 WASHINGTON BLVD, STAMFORD, CT 06901
Received by E.GUTIERREZ

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TRACKING NUMBER [773054680454](#)

FROM Crown Castle
1800 West Park Drive

	Suite 200 WESTBOROUGH, MA, US, 01581
TO	Stamford Government Center James Lunney, III, Chief ZEO 888 Washington Blvd. 7th Floor STAMFORD, CT, US, 06901
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
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Delivered to 340 WASHINGTON ST, HARTFORD, CT 06106

[OBTAIN PROOF OF DELIVERY](#)

TRACKING NUMBER [773054698169](#)

FROM Crown Castle
1800 West Park Drive
Suite 200

WESTBOROUGH, MA, US, 01581

TO Girl Scouts of Connecticut Inc
340 Washington Street
HARTFORD, CT, US, 06106

REFERENCE 799001.7680

SHIPPER REFERENCE 799001.7680

SHIP DATE Mon 8/21/2023 05:53 PM

PACKAGING TYPE FedEx Envelope

ORIGIN WESTBOROUGH, MA, US, 01581

DESTINATION HARTFORD, CT, US, 06106

NUMBER OF PIECES 1

TOTAL SHIPMENT WEIGHT 0.50 LB

SERVICE TYPE FedEx Priority Overnight



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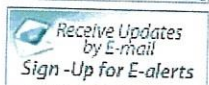
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Melanie Bachman,
Executive Director

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DOCKET NO. 180 - Cellco Partnership d/b/a Bell Atlantic Mobile application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications tower and associated equipment located immediately north of the Merritt Parkway off Guinea Road (prime and alternate one sites), or 141 Den Road (alternate two site) in Stamford, Connecticut.

Connecticut Siting Council

April 2, 1998

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications tower and equipment buildings at the proposed prime site in Stamford, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Bell Atlantic Mobile (BAM) for the construction, operation, and maintenance of a telecommunications tower, associated equipment, and buildings at the proposed prime site, located within a 28-acre parcel at Guinea Road, Stamford, Connecticut. We find the effects on scenic resources and adjacent land uses of the first alternate site and second alternate site to be significant, and therefore deny certification of these sites.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of BAM, Springwiche Cellular Limited Partnership (Springwiche), Sprint PCS (Sprint), and Nextel Communications of the Mid-Atlantic, Inc. (Nextel); and such tower shall not exceed a height of 160 feet above ground level (AGL).
2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include: adjustment of the tower location within the leased parcel to protect a nearby stream and minimize grade; a final site plan(s) for site development to include the location and specifications for the tower foundation, antennas, equipment buildings, emergency generator and fuel tank, security fence, access road, and utility line; construction plans for site clearing, tree trimming, water drainage, and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended; provisions for the tower finish that may include painting; and provisions for the prevention and containment of spills and/or other discharge into surface water and ground water bodies.
3. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
4. The Certificate Holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.
5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
6. If the facility does not initially provide, or permanently ceases to provide cellular services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapplication for any continued or new use shall be made to the Council before any such use is made.
7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.
8. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant and Stamford Advocate.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

APPLICANT

Bell Atlantic Mobile

ITS REPRESENTATIVE

Kenneth C. Baldwin, Esq.
Brian C. S. Freeman, Esq.
Robinson & Cole
One Commercial Plaza
Hartford, CT 06103-3597

Mr. David S. Malko, P.E.
Jennifer Young Gaudet
Bell Atlantic Mobile
20 Alexander Drive
Wallingford, CT 06492

INTERVENORS

Sprint Spectrum, L.P. d/b/a Sprint PCS

ITS REPRESENTATIVE

Elias A. Alexiades
John W. Knuff
Harris, Beach & Wilcox, LLP
147 North Broad Street
Milford, CT 06460

Nextel Communications of the
Mid-Atlantic, Inc. d/b/a Nextel
Communications

Christopher B. Fisher, Esq.
Cuddy, Feder & Worby, Esq.
90 Maple Avenue
White Plains, NY 10601

Springwich Cellular Limited Partnership

Peter J. Tyrrell, Esq.
General Counsel
500 Enterprise Drive
Rocky Hill, CT 06067-3900

PARTIES

Charles H. Nobs, Maurice Lucas, and
Ben and Myrna Raphan

ITS REPRESENTATIVE

Jeffrey J. Mirman, Esq.
Levy & Droney, P.C.
P.O. Box 887
Farmington, CT 06034

Content Last Modified on 8/9/2002 1:30:07 PM

Ten Franklin Square New Britain, CT 06051 / 860- 827-2935

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69 GUINEA ROAD

Location	69 GUINEA ROAD	Mblu	002/ 6848/ / /
Acct#	002-6848	Owner	GIRL SCOUTS OF CONNECTICUT INC
Assessment	\$1,468,320	Appraisal	\$2,097,590
PID	24323	Building Count	1

Legal Description

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2022	\$586,310	\$1,511,280	\$2,097,590
Assessment			
Valuation Year	Improvements	Land	Total
2022	\$410,420	\$1,057,900	\$1,468,320

Owner of Record

Owner	GIRL SCOUTS OF CONNECTICUT INC	Sale Price	\$0
Co-Owner		Book & Page	9322/0308
Address	340 WASHINGTON STREET HARTFORD, CT 06106-3317	Sale Date	04/16/2008
		Instrument	25

Ownership History

Ownership History				
Owner	Sale Price	Book & Page	Instrument	Sale Date
GIRL SCOUTS OF CONNECTICUT INC	\$0	9322/0308	25	04/16/2008
GIRL SCOUT COUNCIL SW CT INC	\$0	4405/0321		05/12/1995
SOUTHWESTERN CT GIRL SCT	\$0	1035/0131	25	12/29/1964

Building Information

Building 1 : Section 1	
Year Built:	1963
Living Area:	1,960
Building Attributes	
Field	Description

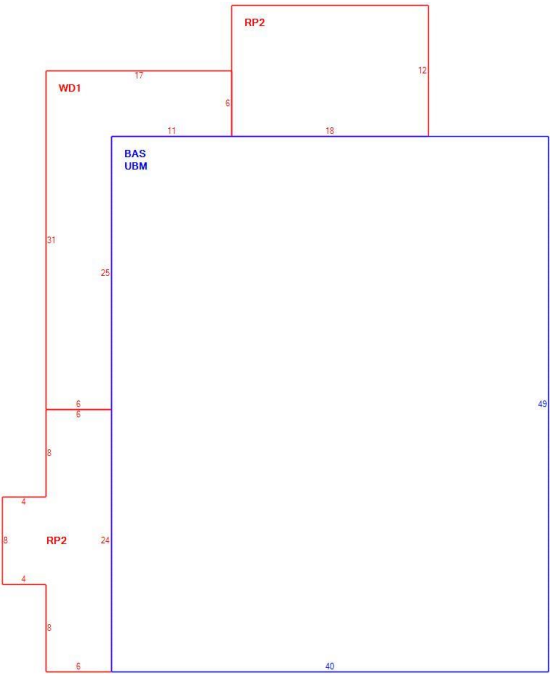
Style:	Ranch
Model	Residential
Grade:	C+
Stories:	1 Story
Occupancy	1
Exterior Wall 1	Cement fiberbd
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F GlS/Cmp
Interior Wall 1	Drywall
Interior Wall 2	
Interior Flr 1	Hardwood
Interior Flr 2	
Heat Fuel	Electric
Heat Type:	Electr Basebrd
AC Type:	Central
Total Bedrooms:	00
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	3
Total Rooms:	4
Bath Style:	Average
Kitchen Style:	Typical
Fireplace Msnry.	
Fpl. Gas/Prefab	1
Fpl. Outdoor	
Fpl. Addnl. Open	
Bsmt. Garage	
Num Park	
Fireplaces	
Fndtn Cndtn	
Basement	

Building Photo



(https://images.vgsi.com/photos/StamfordCTPhotos//0165\IMG_0703_165

Building Layout



(ParcelSketch.ashx?pid=24323&bid=24323)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	1,960	1,960
RP2	Porch Covered	392	0
UBM	Basement, Unfinished	1,960	0
WD1	Deck, Wood	252	0
		4,564	1,960

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
RP2	Porch Coverd	1056.00 S.F	\$30,680	1
RP2	Porch Coverd	756.00 S.F	\$21,960	1

RP2	Porch Coverd	672.00 S.F	\$19,520	1
RP2	Porch Coverd	216.00 S.F	\$6,270	1
RP2	Porch Coverd	176.00 S.F	\$5,110	1

Land

Land Use		Land Line Valuation	
Use Code	901	Size (Acres)	16.86
Description	Exmpt Res MDL-01	Depth	
Zone	RA3	Assessed Value	\$1,057,900
Neighborhood	1100	Appraised Value	\$1,511,280
Alt Land Appr Category	No		

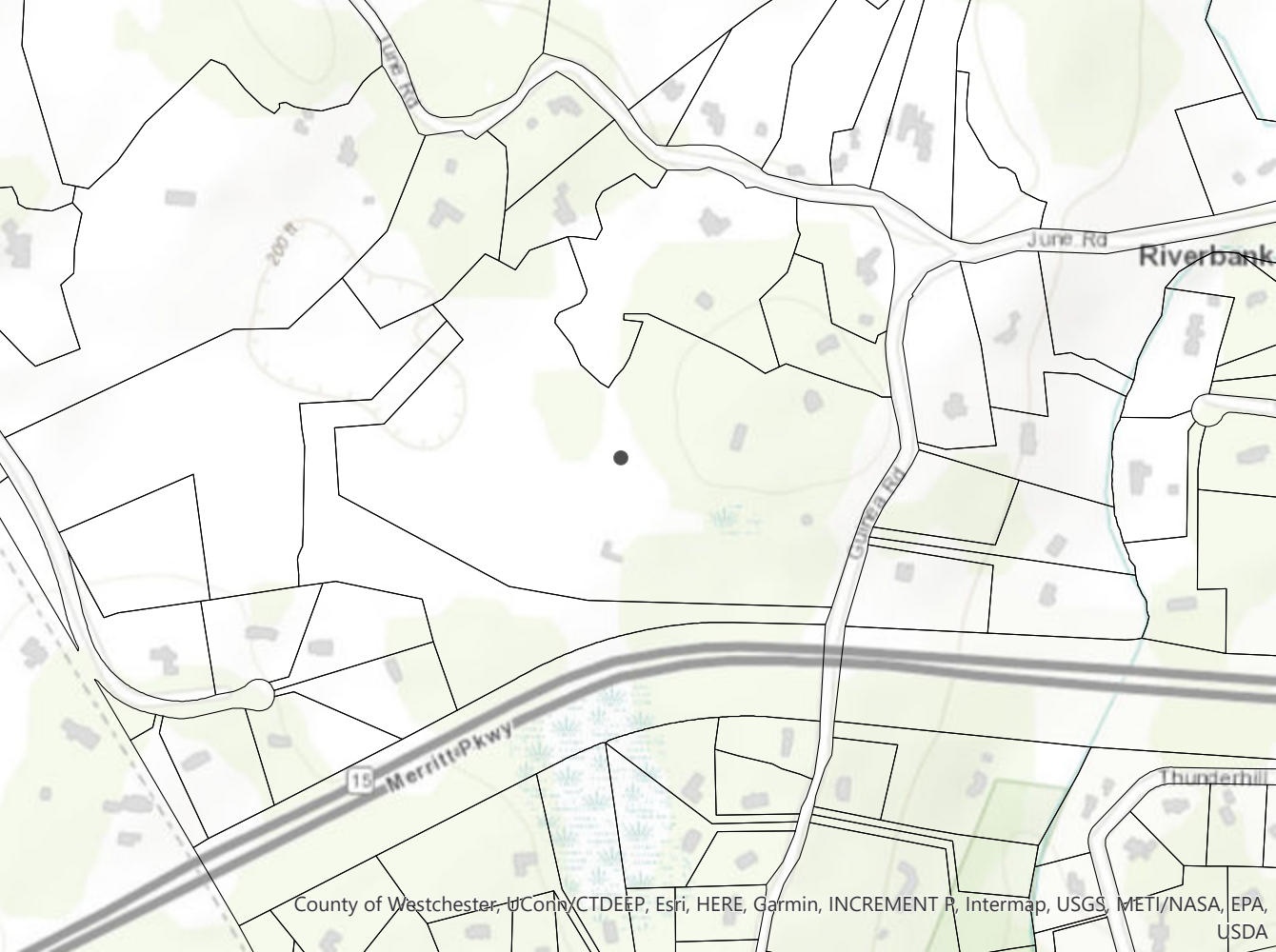
Outbuildings

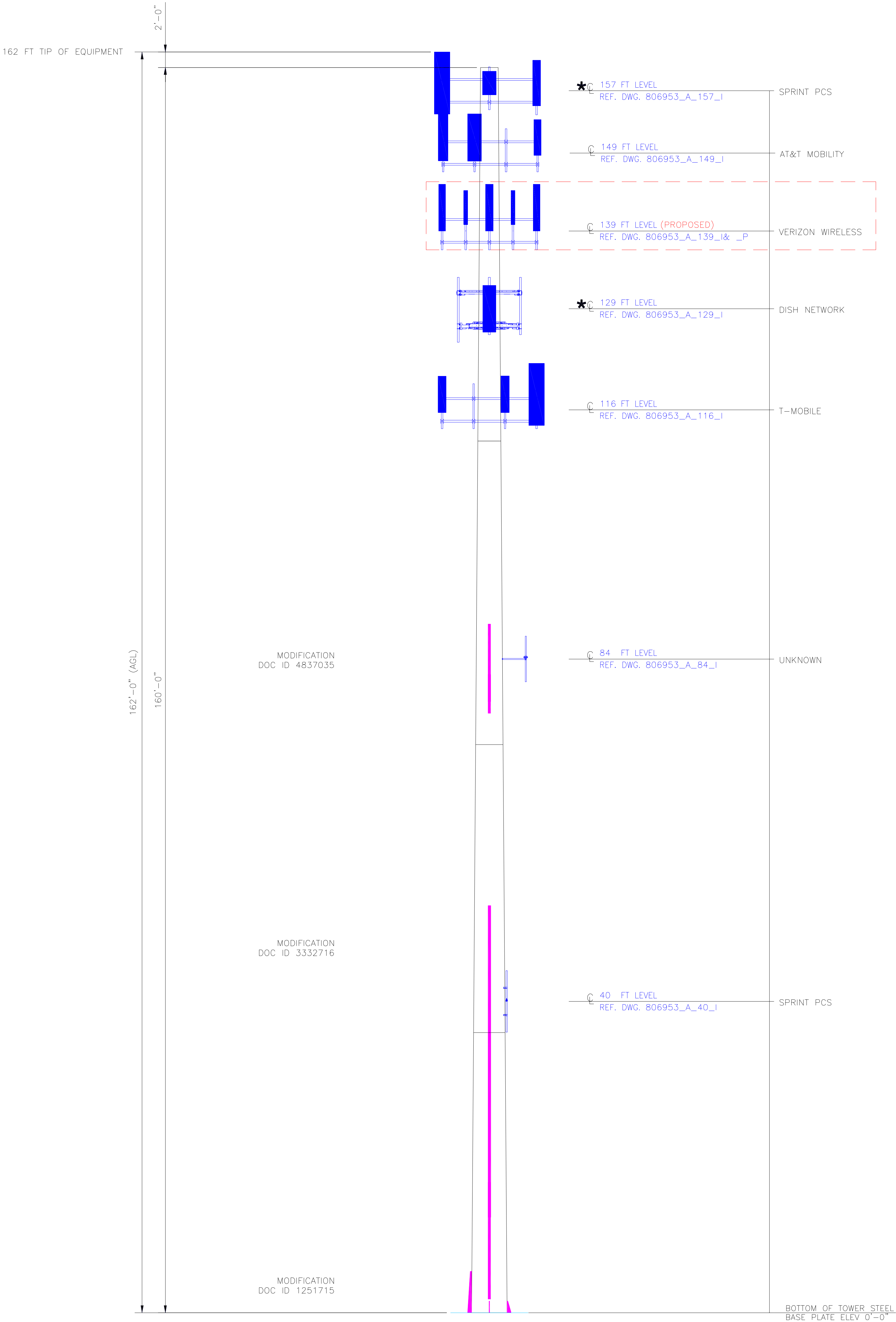
Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
FC1	Shed Wood			240.00 S.F.	\$3,060	1
MS1	Misc Structure			528.00 S.F.	\$3,480	1
WD1	Wood Deck			252.00 S.F.	\$5,670	1
CEL1	Cell Tower			1.00 SITES	\$225,000	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2022	\$586,310	\$1,511,280	\$2,097,590
2021	\$461,570	\$1,007,550	\$1,469,120
2020	\$461,570	\$1,007,550	\$1,469,120

Assessment			
Valuation Year	Improvements	Land	Total
2022	\$410,420	\$1,057,900	\$1,468,320
2021	\$323,130	\$705,290	\$1,028,420
2020	\$323,130	\$705,290	\$1,028,420





BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The BSF0020 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the BSF0020 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the BSF0020 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.

FEATURES

- Passes full 700 and 850 bands
- Low insertion loss
- Rejection of 900MHz uplink
- DC/AISG pass
- Twin unit
- Dual twin mounting available



TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	

ELECTRICAL

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

DC / AISG

Passband	0 - 13MHz
Insertion loss	0.3dB maximum
Return loss	15dB minimum
Input voltage range	± 33V
DC current rating	2A continuous, 4A peak
Compliance	3GPP TS 25.461

ENVIRONMENTAL

For further details of environmental compliance, please contact Kaelus.

Temperature range	-20°C to +60°C -4°F to +140°F
Ingress protection	IP67
Altitude	2600m 8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.
MTBF	>1,000,000 hours
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE

MECHANICAL

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

ORDERING INFORMATION

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

ELECTRICAL BLOCK DIAGRAM

ANT1



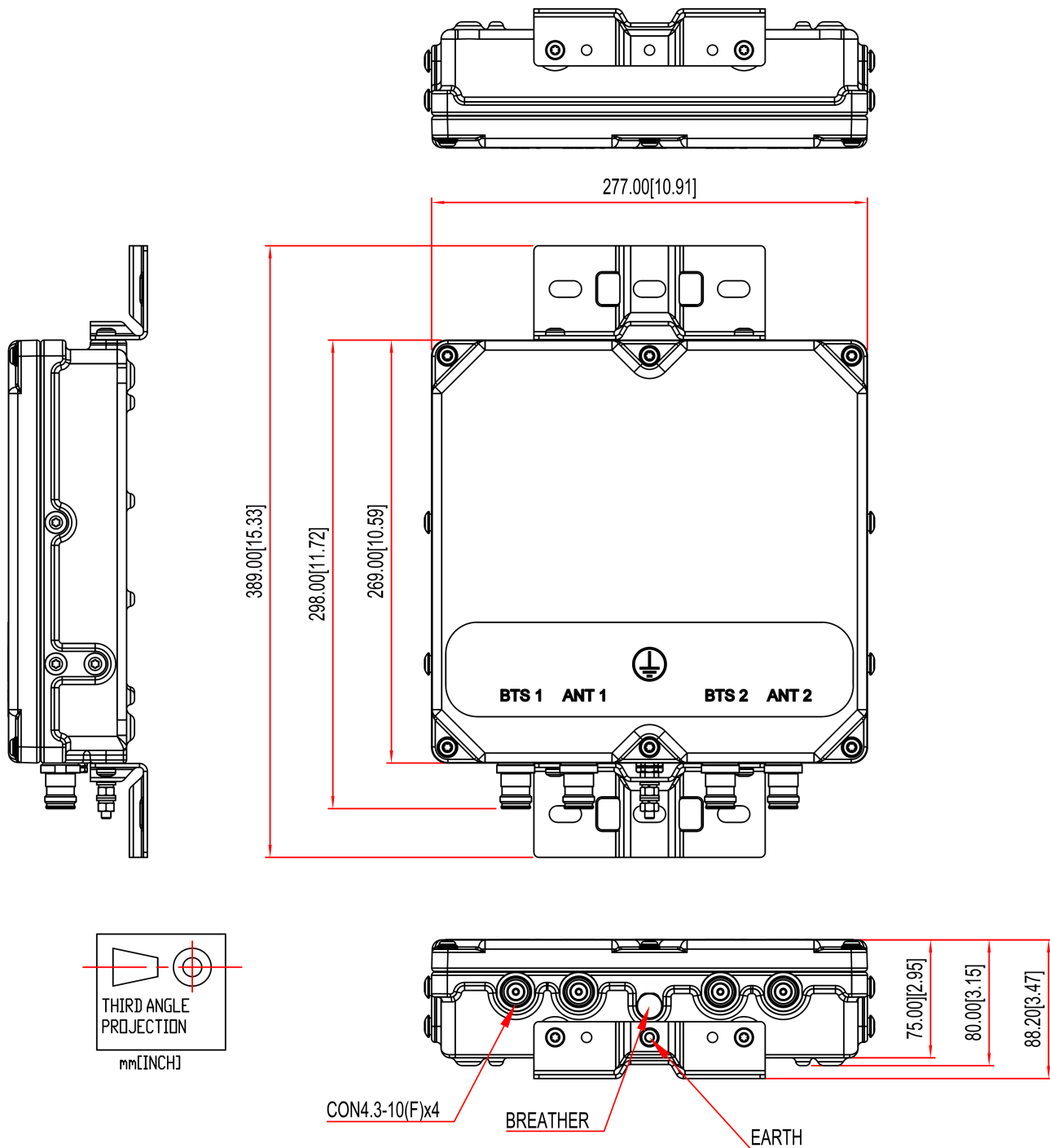
BTS1

ANT2



BTS2

MECHANICAL BLOCK DIAGRAM





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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10206425
Colliers Engineering & Design Project #: 23777072 (Rev. 1)

July 10, 2023

Site Information

Site ID: 5000386192-VZW / RIVERBANK CT
Site Name: RIVERBANK CT
Carrier Name: Verizon Wireless
Address: 70 Guinea Rd.
Stamford, Connecticut 06903
Fairfield County
Latitude: 41.101763°
Longitude: -73.594847°

Structure Information

Tower Type: Monopole
Mount Type: 13.00-Ft Platform

FUZE ID # 17123702

Analysis Results

Platform: 70.6% Pass*

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

***Contractor PMI Requirements:

Included at the end of this MA report

Available & Submitted via portal at <https://pmi.vzwsmart.com>

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

Report Prepared By: Frank Centone



Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 468411, dated April 15, 2022
Final Loading Configuration	Filter Add Scope Provided by Verizon Wireless
Mount Mapping Report	Tower Engineering Professionals, Site ID: 468411, dated June 29, 2022
Previous Mount Analysis	Maser Consulting Connecticut, Project #: 22777018A dated July 22, 2022
Mount Modification Drawings	Maser Consulting Connecticut, Project #: 22777018A dated July 28, 2022

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.992
Seismic Parameters:	S_S : 0.270 g S_1 : 0.059 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
138.92	141.00	4	KAelus	BSF0020F3V1-1	Added
		6	JMA Wireless	MX06FRO860-03	Retained
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		2	KAelus	BSF0020F3V1-1	
		6	Andrew	DB846F65ZAXY	
		1	-	GPS	

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

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

c **Standard Conditions:**

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
<i>Face Horizontal</i>	51.5 %	<i>Pass</i>
<i>Standoff</i>	24.4 %	<i>Pass</i>
<i>Standoff Brace</i>	41.1 %	<i>Pass</i>
<i>Standoff Tab</i>	51.5 %	<i>Pass</i>
<i>Corner Plate</i>	45.0 %	<i>Pass</i>
<i>Support Rail</i>	47.5 %	<i>Pass</i>
<i>Mount Pipe</i>	70.6 %	<i>Pass</i>
<i>Support Rail Plate</i>	20.8 %	<i>Pass</i>
<i>Kicker</i>	11.7 %	<i>Pass</i>
<i>Mount Connection</i>	19.1 %	<i>Pass</i>

Structure Rating – (Controlling Utilization of all Components)	70.6%
---	--------------

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	48.4	48.4	65.7	65.7
0.5	59.2	59.2	83.0	83.0
1	69.2	69.2	99.6	99.6

Notes:

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

Requirements:

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

Contractor to verify that all modifications and equipment are installed per previous mount modification analysis done by Maser Consulting Connecticut, Project #: 22777018A, dated July 28, 2022.

If required, ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other. Separate review fees will apply.

Attachments:

1. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Photos
4. Mount Mapping Report (for reference only)
5. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – **Passing Mount Analysis**

Passing Mount Analysis requires a PMI due to a modification in loading.

Electronic pdf version of this can be downloaded at <https://pmi.vzwsmart.com>.

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

MDG #: 5000386192

SMART Project #: 10206425

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:

Contractor to verify that all modifications and equipment are installed per previous mount modification analysis done by Maser Consulting Connecticut, Project #: 22777018A, dated July 28, 2022.

Response:

Special Instruction Confirmation:

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

OR

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

Comments:

--

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

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

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

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

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

Sector: A

7/10/2023

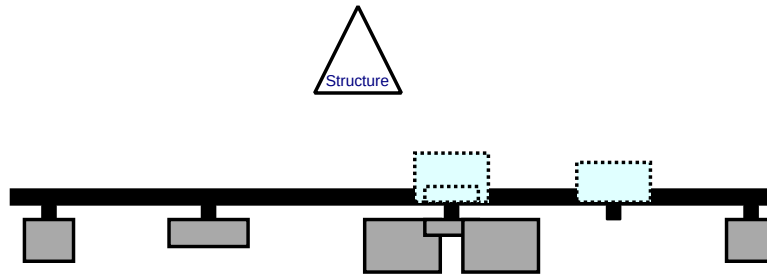
Structure Type: Monopole

10206425

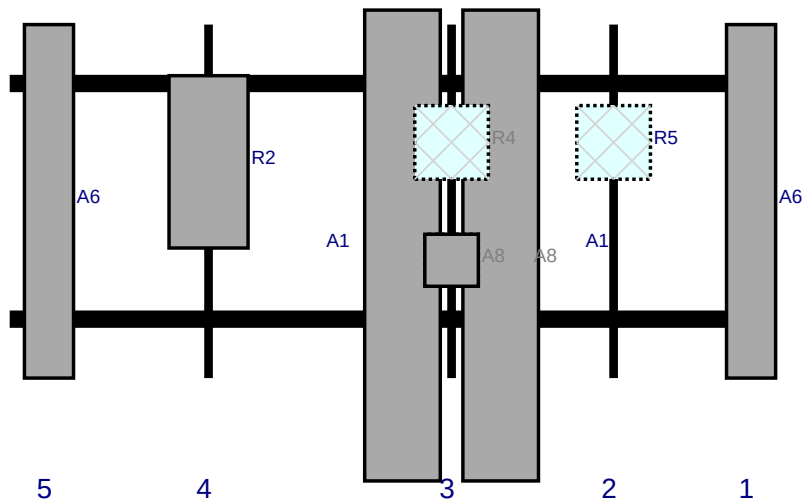
Mount Elev: 138.92

Page: 1

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	DB846F65ZAXY	72	10	151	1	a	Front	36	0	Retained	06/29/2022
R5	RF4440d-13A	15	15	123	2	a	Behind	24	0	Retained	
A1	MX06FRO860-03	95.9	15.4	90	3	a	Front	45	10	Retained	
A1	MX06FRO860-03	95.9	15.4	90	3	b	Front	45	-10	Retained	
R4	RF4439d-25A	15	15	90	3	a	Behind	24	0	Retained	
A8	BSF0020F3V1-1	10.6	10.9	90	3	a	Behind	48	0	Added	
A8	BSF0020F3V1-1	10.6	10.9	90	3	b	Front	48	0	Added	
R2	MT6407-77A	35.1	16.1	40.5	4	a	Front	27.96	0	Retained	
A6	DB846F65ZAXY	72	10	8	5	a	Front	36	0	Retained	06/29/2022
OVP	RVZDC-6627-PF-48	29.5	16.5		Member					Retained	
LIGHT	GPS	12	9		Member					Retained	06/29/2022

Sector: B

7/10/2023

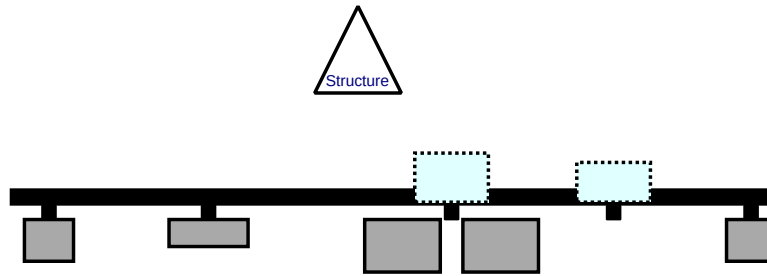
Structure Type: Monopole

10206425

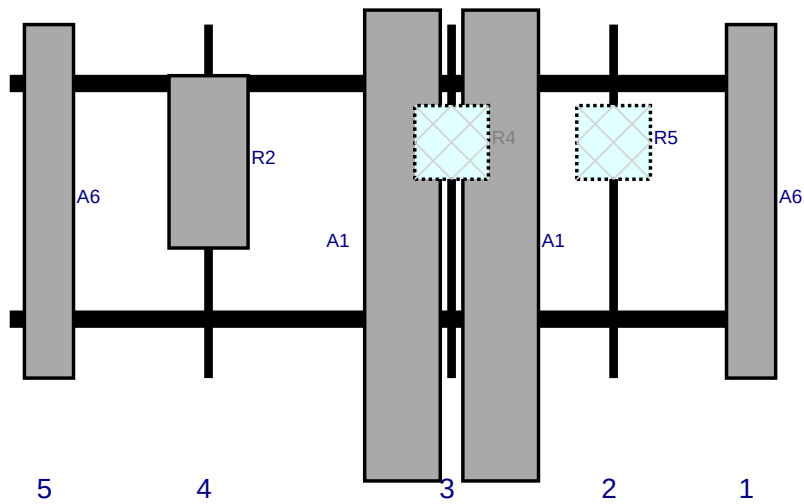
Mount Elev: 138.92

Page: 2

Plan View

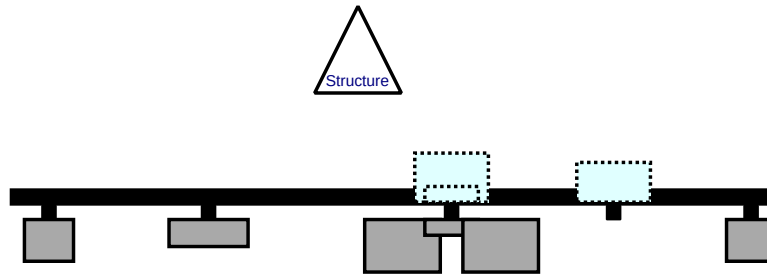


Front View - Looking at Structure

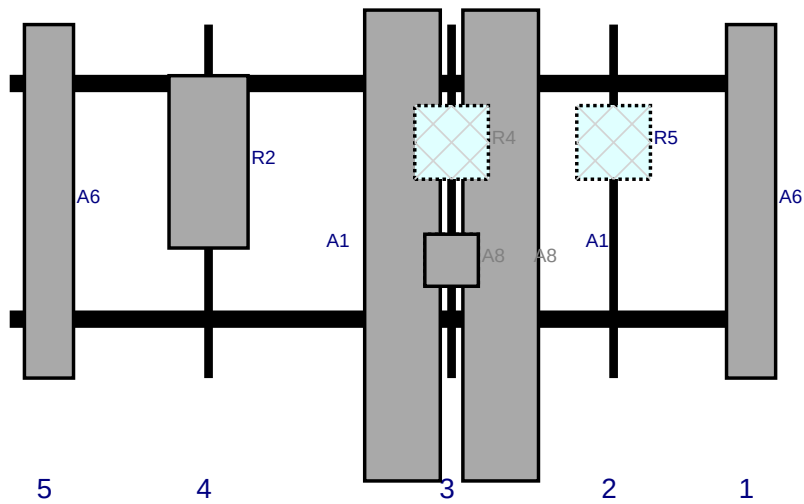


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	DB846F65ZAXY	72	10	151	1	a	Front	36	0	Retained	06/29/2022
R5	RF4440d-13A	15	15	123	2	a	Behind	24	0	Retained	
A1	MX06FRO860-03	95.9	15.4	90	3	a	Front	45	10	Retained	
A1	MX06FRO860-03	95.9	15.4	90	3	b	Front	45	-10	Retained	
R4	RF4439d-25A	15	15	90	3	a	Behind	24	0	Retained	
R2	MT6407-77A	35.1	16.1	40.5	4	a	Front	27.96	0	Retained	
A6	DB846F65ZAXY	72	10	8	5	a	Front	36	0	Retained	06/29/2022

Plan View

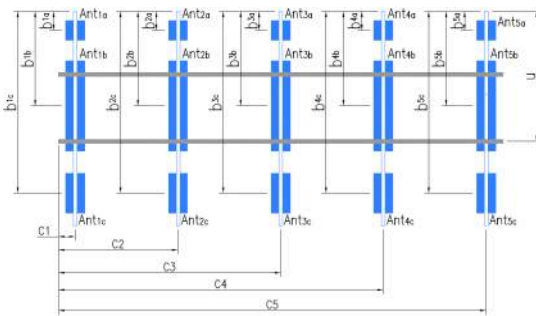
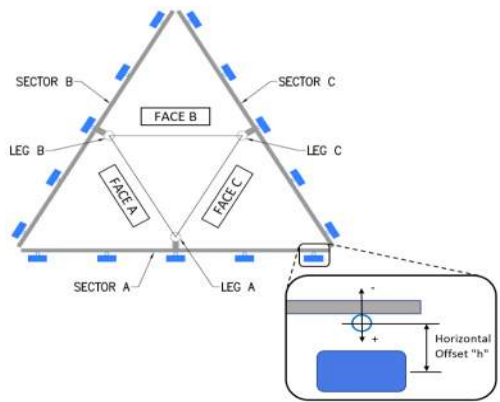
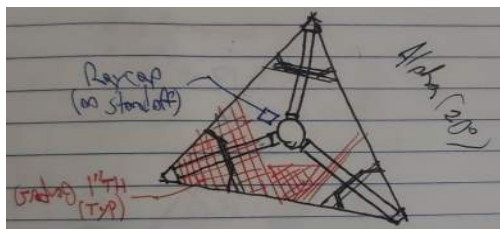


Front View - Looking at Structure



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
A6	DB846F65ZAXY	72	10	151	1	a	Front	36	0	Retained	06/29/2022
R5	RF4440d-13A	15	15	123	2	a	Behind	24	0	Retained	
A1	MX06FRO860-03	95.9	15.4	90	3	a	Front	45	10	Retained	
A1	MX06FRO860-03	95.9	15.4	90	3	b	Front	45	-10	Retained	
R4	RF4439d-25A	15	15	90	3	a	Behind	24	0	Retained	
A8	BSF0020F3V1-1	10.6	10.9	90	3	a	Behind	48	0	Added	
A8	BSF0020F3V1-1	10.6	10.9	90	3	b	Front	48	0	Added	
R2	MT6407-77A	35.1	16.1	40.5	4	a	Front	27.96	0	Retained	
A6	DB846F65ZAXY	72	10	8	5	a	Front	36	0	Retained	06/29/2022





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	2.375"Øx0.154"x72"	60.00	5.00	C1	2.375"Øx0.154"x72"	60.00	5.00
A2	2.375"Øx0.154"x60"	41.00	16.00	C2	2.375"Øx0.154"x60"	41.00	16.00
A3	3.5"Øx0.22"x72"	64.00	33.00	C3	3.5"Øx0.22"x72"	64.00	33.00
A4	2.375"Øx0.154"x72"	58.00	66.00	C4	2.375"Øx0.154"x72"	58.00	66.00
A5	2.375"Øx0.154"x60"	41.00	115.50	C5	2.375"Øx0.154"x60"	50.00	115.50
A6	2.375"Øx0.154"x60"	41.00	135.50	C6	2.375"Øx0.154"x60"	41.00	135.50
B1	2.375"Øx0.154"x72"	60.00	5.00	D1			
B2	2.375"Øx0.154"x60"	41.00	16.00	D2			
B3	3.5"Øx0.22"x72"	64.00	33.00	D3			
B4	2.375"Øx0.154"x72"	58.00	66.00	D4			
B5	2.375"Øx0.154"x60"	41.00	115.50	D5			
B6	2.375"Øx0.154"x60"	41.00	135.50	D6			
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional information or comments below.							
Total Coax: (12) FH 1-5/8", (1) FH 1-1/2" Pipe 7 (All) : 2.375"Øx0.154"x72", 60" V-off, 147" H-off							
Ant. 6 (All):RFS FD9R6004/2C-3L, 134' CL, Photo #78 Ant. 7 (C): Andrew DB846F652AXY, 135.25' CL, Photo #92							
Ant. 7 (AB): Amphenol BXA70063-6CF-EDIN, 135' CL, Photo #82 *See notes for offsets							
Tower Face Width at Mount Elev. (ft.):				Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):			

[illegible]

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

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

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

SMART Tool®
Vendor

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CCI	Mapping Date:	6/29/2022
Site Name:	RIVERBANK CT	Tower Type:	Monopole
Site Number or ID:	468411	Tower Height (Ft.):	150
Mapping Contractor:	TEP	Mount Elevation (Ft.):	133

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

Please Insert Sketches of the Antenna Mount

Stamford site # 806953

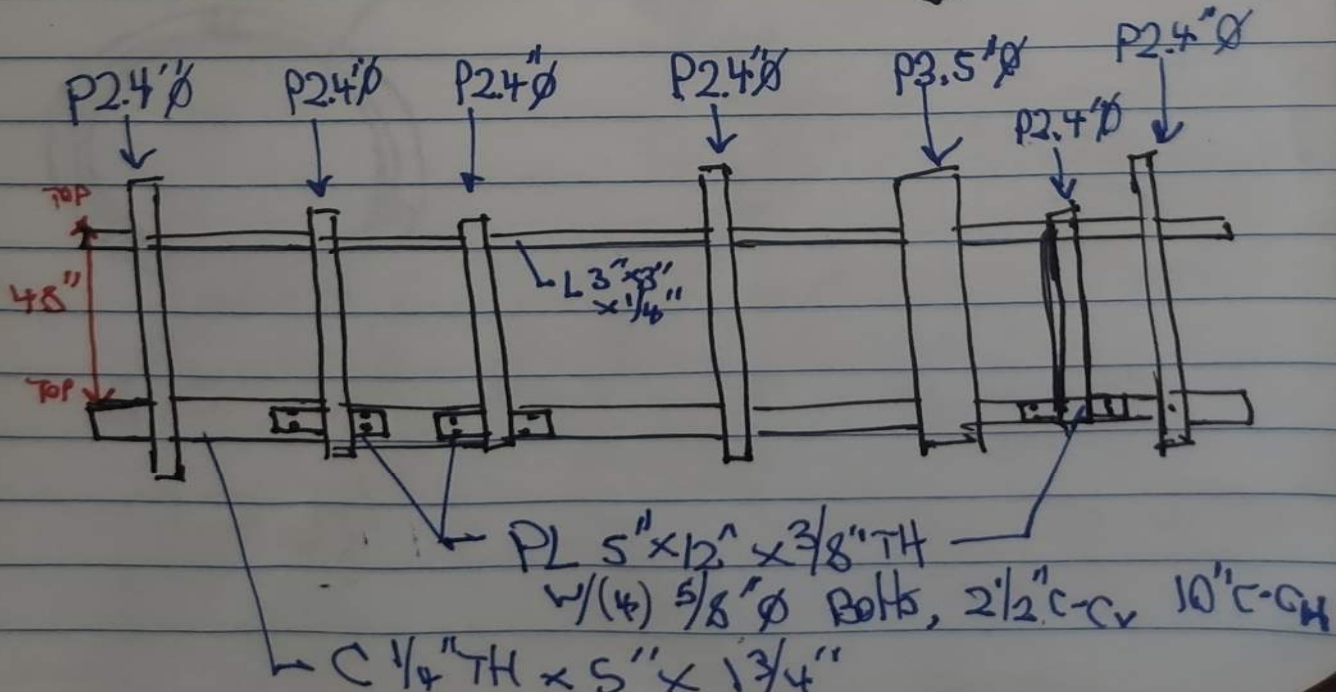
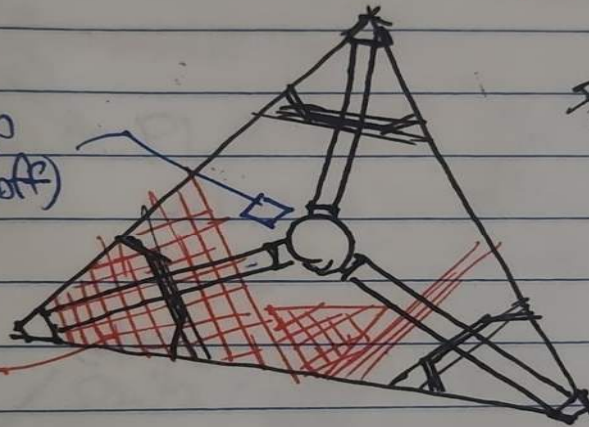
Most Az: ~~80° 200° 320°~~
20°, 140°, 260°

(SEE PL-10 for Details)

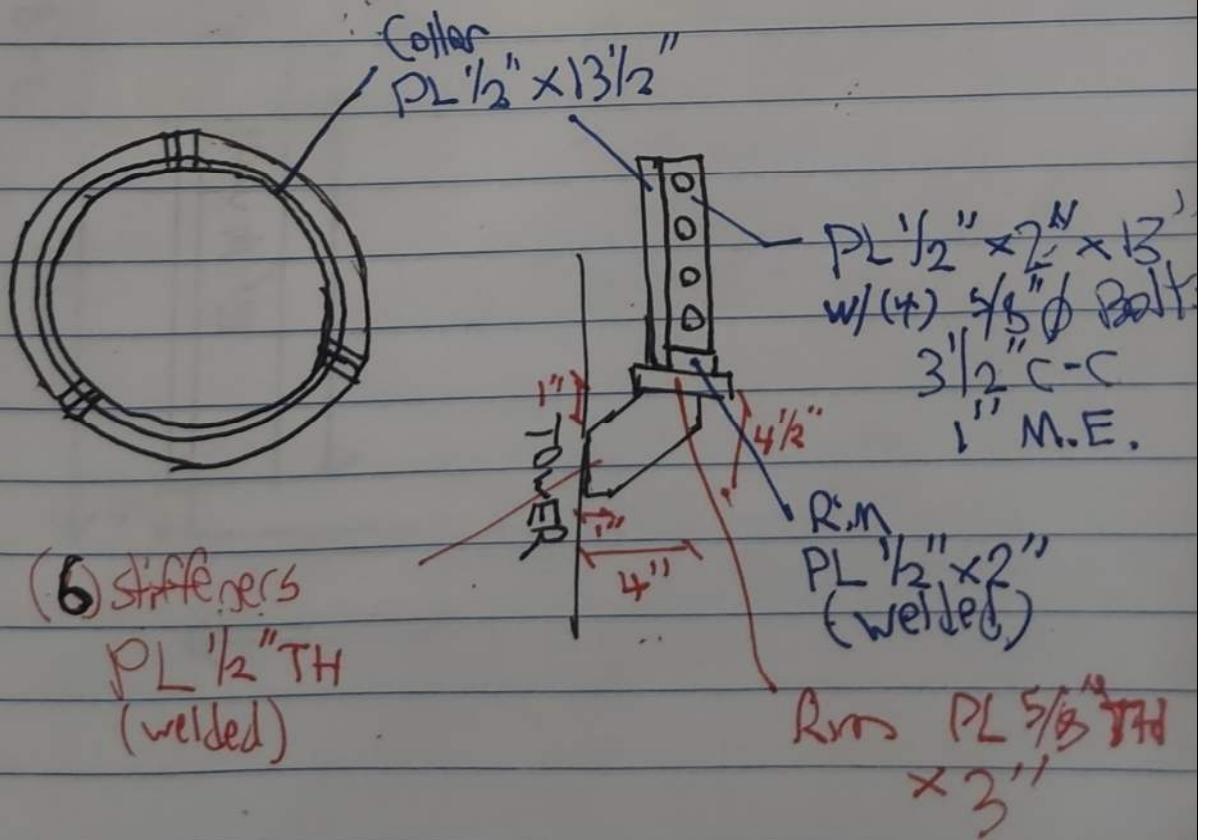
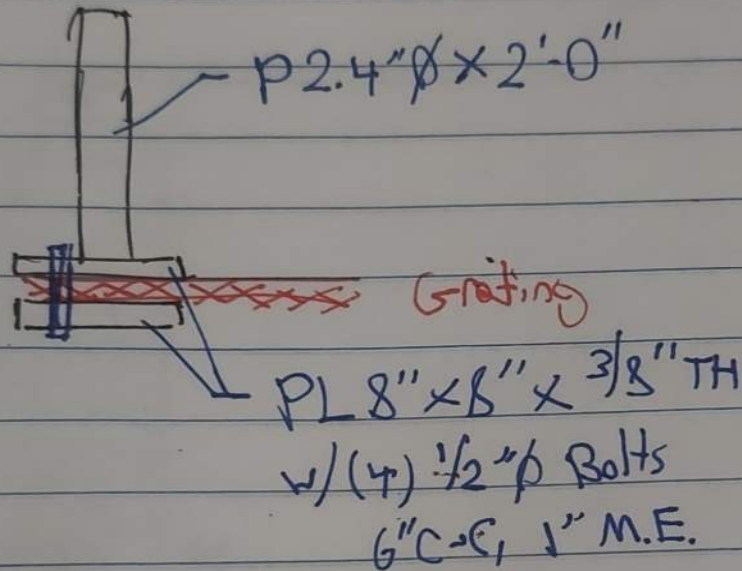
Rexcap
(on standoff)

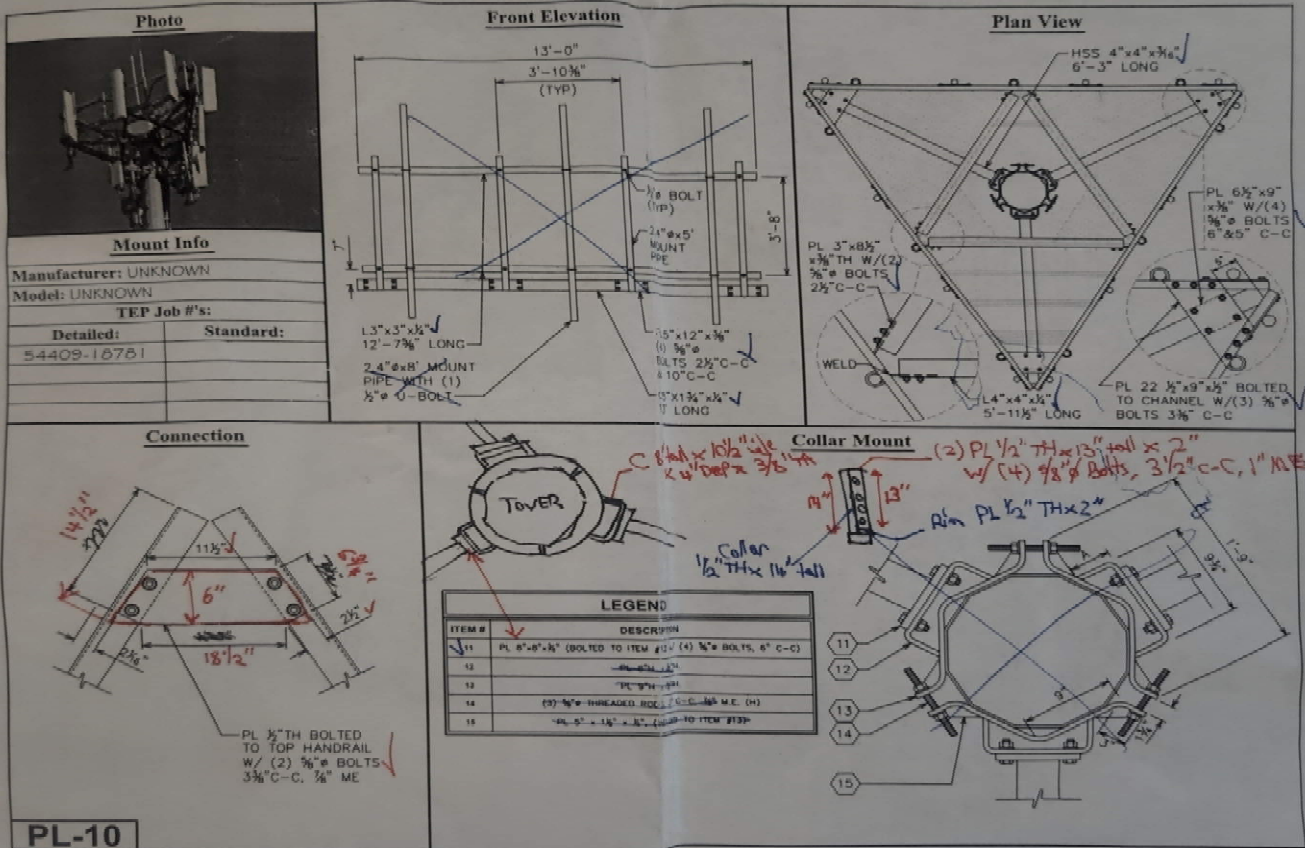
4/4" (20°)

(Grating) 1" TH
(TYP)



Raycap stand





SITE NAME/#: RIVER BANK CT CREW: WCI/N DATE: 06/29/22

A-LEG Az: — MOUNT Az: 26 140 260 TWR HEIGHT: 150' MNT @: 133

TWR FW @ MNT: 130 TWR LEG @ MNT: — WA³F @ MNT: 21" TOTAL FLATS: 12

SAFETY Az: 190° VZW TO NEAREST NON-VZW APP. ABOVE: — BELOW: — FOR MONOPOLE: INSIDE OR OUTSIDE? COAX: (12) FH 1 5/8" (1) FH 1 1/2"

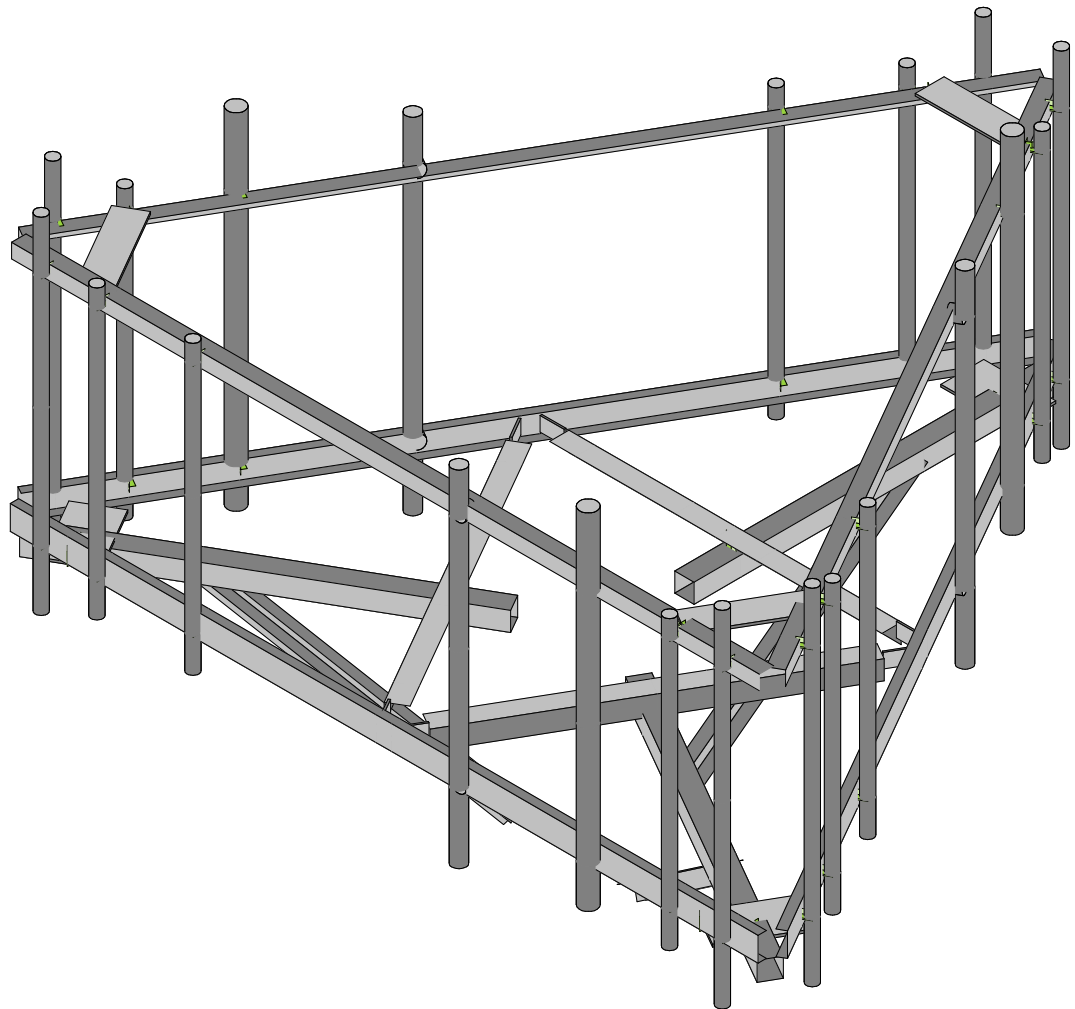
SAFETY CONDITION: SAFETY OBSTRUCTION? BOTT. LIGHTING OBSTRUCTION? — *T-ARMS & PLATFORMS*
(Y) N WHERE?: NT Y 1/N WHERE?: — WELD SIZE AT STANDOFF TO COLLAR:

FCC#: —

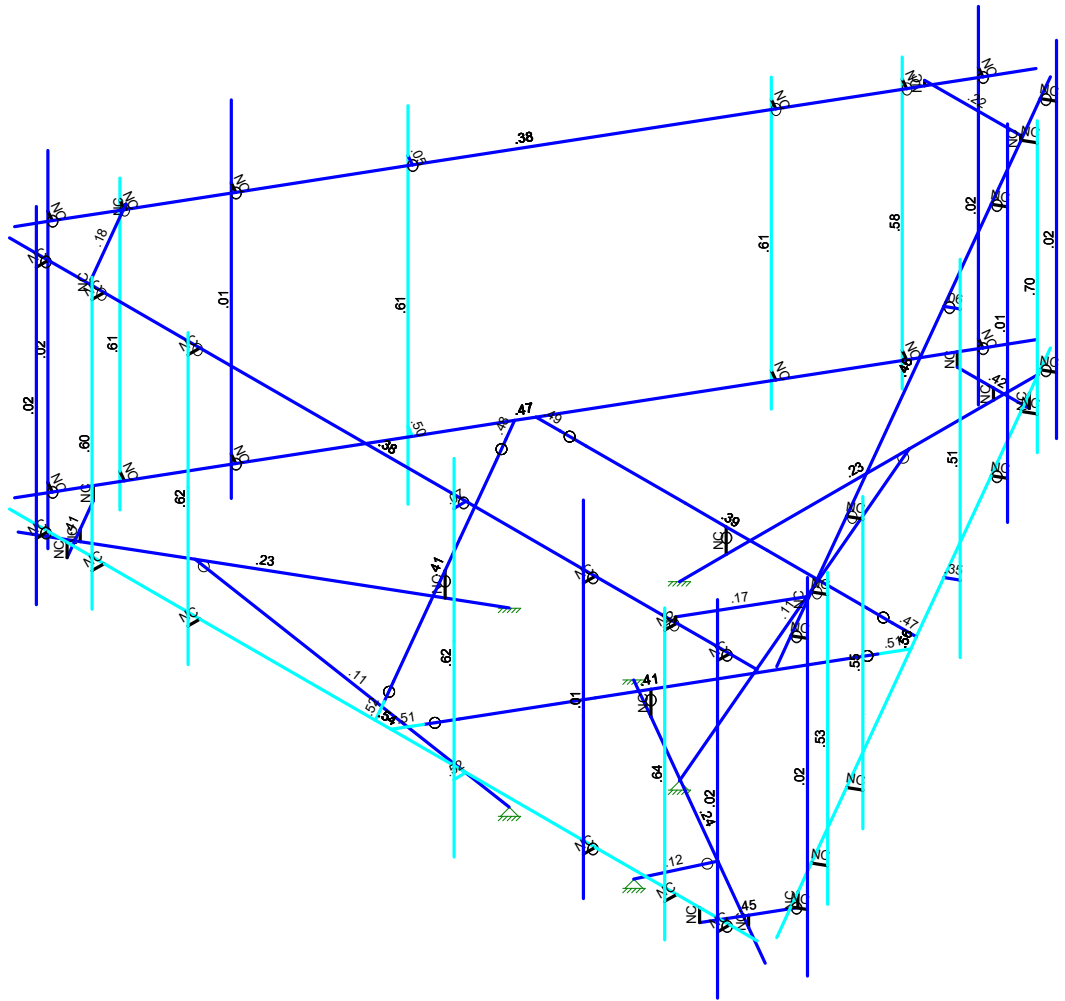
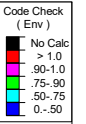
[illegible]

SITE NAME/ #: RIVER BANK CT CREW: WL/IN DATE: 06/29/22
 A-LEG Az: — MOUNT Az: 0, 120, 240 TWR HEIGHT: 150' MNT E: 133
 TWR FW @ MNT: 140 TWR LEG @ MNT: — WA₃F @ MNT: 21" TOTAL FLATS: 12
 SAFETY Az: 190° VZW TO NEAREST NON-VZW APP. ABOVE: — BELOW: — COAX: (12) FH1 1/4" (1) FH 1 1/2"
 SAFETY CONDITION: Y N WHERE?: BOTT. MT LIGHTING OBSTRUCTION? — *T-ARMS & PLATFORMS*
 WELD SIZE AT STANDOFF TO COLLAR: —
 FCC#: —

POS.	MOUNT PIPES				MANUFACTURER	ANTENNAS & EQUIPMENT		Type	Size	ASBUILT
	PTH	LENGTH	WTH	Hgt		MODEL #	WTH			
1	2.54	72"	60"	5"	ANDREW	DB846F65ZAXY	36"	6"	20,140,260	
2	1	60"	41"	16"	—	—	—	—	—	
3	3.58	72"	64"	33"	RYMSA	MGD3-800TD/5204	33"	7"	—	
4	1	1	1	1	ALCATEL-LUCENT	9942 RPH 2X40-AWS	36"	-7"	—	
5	2.48	72"	58"	66"	UMK.	12.5X6.4 72"	35"	10"	—	
6	1	60"	56"	115.5"	RYMSA	MGD3-800TD	28"	8"	—	
7	1	60"	41"	135.5"	RFS	FD1R600Y/2C-3L	29"	-3"	—	
8	1	72"	60"	147"	AMPHENOL	BXA76063-6CF-EDIN	31"	9"	—	
9	2.48	72"	60"	147"	ANDREW	DB846F65ZAXY	33"	7"	—	
10	2.48	60"	41"	135.5"	RYMSA	MGD3-800TD	28"	8"	—	
11	1	1	1	1	RFS	FD9R600Y/2C-3L	29"	-3"	—	
C STAND OFF					RAYCAP	RRFDC-3315-PF-46	0"	6"	—	



		SK - 1
		July 5, 2023 at 12:13 PM
		5000386192-VZW_MT_LO_H.r3d

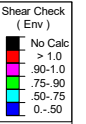


Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

SK - 2

July 5, 2023 at 12:13 PM

5000386192-VZW_MT_LO_H.r3d



5000386192-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					120			
2	Antenna Di	None					120			
3	Antenna Wo (0 Deg)	None					120			
4	Antenna Wo (30 Deg)	None					120			
5	Antenna Wo (60 Deg)	None					120			
6	Antenna Wo (90 Deg)	None					120			
7	Antenna Wo (120 Deg)	None					120			
8	Antenna Wo (150 Deg)	None					120			
9	Antenna Wo (180 Deg)	None					120			
10	Antenna Wo (210 Deg)	None					120			
11	Antenna Wo (240 Deg)	None					120			
12	Antenna Wo (270 Deg)	None					120			
13	Antenna Wo (300 Deg)	None					120			
14	Antenna Wo (330 Deg)	None					120			
15	Antenna Wi (0 Deg)	None					120			
16	Antenna Wi (30 Deg)	None					120			
17	Antenna Wi (60 Deg)	None					120			
18	Antenna Wi (90 Deg)	None					120			
19	Antenna Wi (120 Deg)	None					120			
20	Antenna Wi (150 Deg)	None					120			
21	Antenna Wi (180 Deg)	None					120			
22	Antenna Wi (210 Deg)	None					120			
23	Antenna Wi (240 Deg)	None					120			
24	Antenna Wi (270 Deg)	None					120			
25	Antenna Wi (300 Deg)	None					120			
26	Antenna Wi (330 Deg)	None					120			
27	Antenna Wm (0 Deg)	None					120			
28	Antenna Wm (30 Deg)	None					120			
29	Antenna Wm (60 Deg)	None					120			
30	Antenna Wm (90 Deg)	None					120			
31	Antenna Wm (120 De..	None					120			
32	Antenna Wm (150 De..	None					120			
33	Antenna Wm (180 De..	None					120			
34	Antenna Wm (210 De..	None					120			
35	Antenna Wm (240 De..	None					120			
36	Antenna Wm (270 De..	None					120			
37	Antenna Wm (300 De..	None					120			
38	Antenna Wm (330 De..	None					120			
39	Structure D	None		-1					6	
40	Structure Di	None						54	6	
41	Structure Wo (0 Deg)	None						108		
42	Structure Wo (30 Deg)	None						108		
43	Structure Wo (60 Deg)	None						108		
44	Structure Wo (90 Deg)	None						108		
45	Structure Wo (120 D...	None						108		
46	Structure Wo (150 D...	None						108		
47	Structure Wo (180 D...	None						108		
48	Structure Wo (210 D...	None						108		
49	Structure Wo (240 D...	None						108		
50	Structure Wo (270 D...	None						108		
51	Structure Wo (300 D...	None						108		
52	Structure Wo (330 D...	None						108		
53	Structure Wi (0 Deg)	None						108		
54	Structure Wi (30 Deg)	None						108		
55	Structure Wi (60 Deg)	None						108		
56	Structure Wi (90 Deg)	None						108		
57	Structure Wi (120 De...	None						108		
58	Structure Wi (150 De...	None						108		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
59	Structure Wi (180 De...	None						108	
60	Structure Wi (210 De...	None						108	
61	Structure Wi (240 De...	None						108	
62	Structure Wi (270 De...	None						108	
63	Structure Wi (300 De...	None						108	
64	Structure Wi (330 De...	None						108	
65	Structure Wm (0 Deg)	None						108	
66	Structure Wm (30 De...	None						108	
67	Structure Wm (60 De...	None						108	
68	Structure Wm (90 De...	None						108	
69	Structure Wm (120 D...	None						108	
70	Structure Wm (150 D...	None						108	
71	Structure Wm (180 D...	None						108	
72	Structure Wm (210 D...	None						108	
73	Structure Wm (240 D...	None						108	
74	Structure Wm (270 D...	None						108	
75	Structure Wm (300 D...	None						108	
76	Structure Wm (330 D...	None						108	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					120		
82	Antenna Eh (0 Deg)	None					80		
83	Antenna Eh (90 Deg)	None					80		
84	Structure Ev	ELY						6	
85	Structure Eh (0 Deg)	ELZ			-0.3			6	
86	Structure Eh (90 Deg)	ELX	.03					6	
87	BLC 39 Transient Are...	None						81	
88	BLC 40 Transient Are...	None						81	
89	BLC 84 Transient Are...	None							
90	BLC 85 Transient Are...	None						81	
91	BLC 86 Transient Are...	None						81	

Load Combinations

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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N141A	6.5	0	3.897114	0	
2	N142A	-6.5	0	3.897114	0	
3	N152B	0.	0	-0.	0	
4	N153A	0.	-0.416667	-1.25	0	
5	N154A	0.	-0.416667	-7.5	0	
6	N155	0.135417	0	3.897114	0	
7	N156	-0.135416	0	3.897114	0	
8	N158	3.307291	0	-2.065832	0	
9	N159	3.442708	0	-1.831283	0	
10	N161	-3.442708	0	-1.831282	0	
11	N162	-3.307292	0	-2.065831	0	
12	N161B	-2.890625	0	-2.065831	0	
13	N162A	2.890625	0	-2.065832	0	
14	N163	0.	0	-2.065831	0	
15	N164	0.	-0.416667	-2.065831	0	
16	N168	0.625463	0	-6.710895	0	
17	N169	-0.625462	0	-6.710895	0	
18	N168A	0.	-0.229167	-6.710895	0	
19	N169A	0.625463	-0.229167	-6.710895	0	
20	N170	-0.625462	-0.229167	-6.710895	0	
21	N170A	0.	-0.416667	-6.710895	0	
22	N171	-1.082532	-0.416667	0.625	0	
23	N172	-6.495191	-0.416667	3.75	0	
24	N175	-0.34375	0	3.53627	0	
25	N176	-3.234375	0	-1.470439	0	
26	N177	-1.789062	0	1.032916	0	
27	N178	-1.789062	-0.416667	1.032916	0	
28	N179	-6.124538	0	2.813781	0	
29	N180	-5.499075	0	3.897114	0	
30	N181	-5.811806	-0.229167	3.355448	0	
31	N182	-6.124538	-0.229167	2.813781	0	
32	N183	-5.499075	-0.229167	3.897114	0	
33	N184	-5.811806	-0.416667	3.355448	0	
34	N185	1.082532	-0.416667	0.625	0	
35	N186	6.495191	-0.416667	3.75	0	
36	N189	3.234375	0	-1.470439	0	
37	N190	0.34375	0	3.53627	0	
38	N191	1.789062	0	1.032916	0	
39	N192	1.789062	-0.416667	1.032916	0	
40	N193	5.499074	0	3.897114	0	
41	N194	6.124537	0	2.813781	0	
42	N195	5.811806	-0.229167	3.355448	0	
43	N196	5.499074	-0.229167	3.897115	0	
44	N197	6.124537	-0.229167	2.813781	0	
45	N198	5.811806	-0.416667	3.355448	0	
46	N198A	6.5	4.083333	3.897114	0	
47	N199	-6.5	4.083333	3.897114	0	
48	N210A	-5.083173	4.083333	3.897114	0	
49	N211A	5.083173	4.083333	3.897114	0	
50	N213	-5.824166	4.083333	3.897114	0	
51	N214	6.020834	4.083333	3.897114	0	
52	N215	5.104167	4.083333	3.897114	0	
53	N216	3.6875	4.083333	3.897114	0	
54	N214A	-5.824166	0	3.897114	0	
55	N215A	6.020834	0	3.897114	0	
56	N216A	5.104167	0	3.897114	0	
57	N217	3.6875	0	3.897114	0	
58	N218	-5.824166	4.083333	4.105448	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N219A	6.020834	4.083333	4.105448	0	
60	N220A	5.104167	4.083333	4.105448	0	
61	N221A	3.6875	4.083333	4.105448	0	
62	N222	-5.824166	0	4.105448	0	
63	N223A	6.020834	0	4.105448	0	
64	N224A	5.104167	0	4.105448	0	
65	N225A	3.6875	0	4.105448	0	
66	N226A	-5.824166	5	4.105448	0	
67	N227A	6.020834	5	4.105448	0	
68	N228A	5.104167	4.416667	4.105448	0	
69	N229	3.6875	5.333333	4.105448	0	
70	N230	-5.824166	-1	4.105448	0	
71	N231	6.020834	-1	4.105448	0	
72	N232	5.104167	-0.583333	4.105448	0	
73	N233	3.6875	-0.666667	4.105448	0	
74	N140	-1.434455	0	1.647114	0	
75	N141	-0.568429	0	3.147114	0	
76	N142	1.434455	0	1.647114	0	
77	N143	0.56843	0	3.147114	0	
78	N139	3.009695	0	-1.081283	0	
79	N141B	2.441266	0	-2.065832	0	
80	N142B	-0.709215	0	-2.065831	0	
81	N143A	-2.441266	0	-2.065831	0	
82	N144	-2.14367	0	0.418717	0	
83	N145	-3.009696	0	-1.081283	0	
84	N146A	5.916586	4.083333	2.4536	0	
85	N147A	0.833413	4.083333	-6.350714	0	
86	N148	-0.833413	4.083333	-6.350714	0	
87	N149	-5.916586	4.083333	2.4536	0	
88	N98	1.4375	4.083333	3.897114	0	
89	N99	1.4375	0	3.897114	0	
90	N100	1.4375	4.083333	4.105448	0	
91	N101	1.4375	0	4.105448	0	
92	N102	1.4375	4.833333	4.105448	0	
93	N103	1.4375	-1.166667	4.105448	0	
94	N104	-3.1875	4.083333	3.897114	0	
95	N105	-3.1875	0	3.897114	0	
96	N106	-3.1875	4.083333	4.105448	0	
97	N107	-3.1875	0	4.105448	0	
98	N108	-3.1875	4.416667	4.105448	0	
99	N109	-3.1875	-0.583333	4.105448	0	
100	N110	-4.854166	4.083333	3.897114	0	
101	N111	-4.854166	0	3.897114	0	
102	N112	-4.854166	4.083333	4.105448	0	
103	N113	-4.854166	0	4.105448	0	
104	N114	-4.854166	4.416667	4.105448	0	
105	N115	-4.854166	-0.583333	4.105448	0	
106	N116	6.287083	4.083333	3.095319	0	
107	N117	0.364583	4.083333	-7.162752	0	
108	N118	0.822916	4.083333	-6.368895	0	
109	N119	1.53125	4.083333	-5.142026	0	
110	N120	6.287083	0	3.095319	0	
111	N121	0.364583	0	-7.162752	0	
112	N122	0.822916	0	-6.368895	0	
113	N123	1.53125	0	-5.142026	0	
114	N124	6.467505	4.083333	2.991152	0	
115	N125	0.545005	4.083333	-7.266919	0	
116	N126	1.003338	4.083333	-6.473062	0	
117	N127	1.711672	4.083333	-5.246193	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
118	N128	6.467505	0	2.991152	0	
119	N129	0.545005	0	-7.266919	0	
120	N130	1.003338	0	-6.473062	0	
121	N131	1.711672	0	-5.246193	0	
122	N132	6.467505	5	2.991152	0	
123	N133	0.545005	5	-7.266919	0	
124	N134	1.003338	4.416667	-6.473062	0	
125	N135	1.711672	5.333333	-5.246193	0	
126	N136	6.467505	-1	2.991152	0	
127	N137	0.545005	-1	-7.266919	0	
128	N138A	1.003338	-0.583333	-6.473062	0	
129	N139A	1.711672	-0.666667	-5.246193	0	
130	N146B	4.96875	4.083333	0.811899	0	
131	N147B	4.96875	0	0.811899	0	
132	N148A	5.149172	4.083333	0.707732	0	
133	N149A	5.149172	0	0.707732	0	
134	N150	5.149172	4.416667	0.707732	0	
135	N151A	5.149172	-0.583333	0.707732	0	
136	N152	5.802083	4.083333	2.255274	0	
137	N153	5.802083	0	2.255274	0	
138	N154	5.982505	4.083333	2.151108	0	
139	N155A	5.982505	0	2.151108	0	
140	N156A	5.982505	4.416667	2.151108	0	
141	N157	5.982505	-0.583333	2.151108	0	
142	N158A	-0.462917	4.083333	-6.992433	0	
143	N159A	-6.385417	4.083333	3.265638	0	
144	N160	-5.927083	4.083333	2.471781	0	
145	N161A	-5.21875	4.083333	1.244912	0	
146	N162B	-0.462917	0	-6.992433	0	
147	N163A	-6.385417	0	3.265638	0	
148	N164A	-5.927083	0	2.471781	0	
149	N165	-5.21875	0	1.244912	0	
150	N166	-0.643339	4.083333	-7.0966	0	
151	N167	-6.565839	4.083333	3.161471	0	
152	N168B	-6.107505	4.083333	2.367615	0	
153	N169B	-5.399172	4.083333	1.140745	0	
154	N170B	-0.643339	0	-7.0966	0	
155	N171A	-6.565839	0	3.161471	0	
156	N172A	-6.107505	0	2.367615	0	
157	N173	-5.399172	0	1.140745	0	
158	N174	-0.643339	5	-7.0966	0	
159	N175A	-6.565839	5	3.161471	0	
160	N176A	-6.107505	4.416667	2.367615	0	
161	N177A	-5.399172	5.333333	1.140745	0	
162	N178A	-0.643339	-1	-7.0966	0	
163	N179A	-6.565839	-1	3.161471	0	
164	N180A	-6.107505	-0.583333	2.367615	0	
165	N181A	-5.399172	-0.666667	1.140745	0	
166	N188	-1.78125	4.083333	-4.709013	0	
167	N189A	-1.78125	0	-4.709013	0	
168	N190A	-1.961672	4.083333	-4.813179	0	
169	N191A	-1.961672	0	-4.813179	0	
170	N192A	-1.961672	4.416667	-4.813179	0	
171	N193A	-1.961672	-0.583333	-4.813179	0	
172	N194A	-0.947917	4.083333	-6.152388	0	
173	N195A	-0.947917	0	-6.152388	0	
174	N196A	-1.128339	4.083333	-6.256555	0	
175	N197A	-1.128339	0	-6.256555	0	
176	N198B	-1.128339	4.416667	-6.256555	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
177	N199A	-1.128339	-0.583333	-6.256555	0	
178	N198C	0.125	4.083333	-7.577723	0	
179	N199B	6.625	4.083333	3.680608	0	
180	N200	-6.625	4.083333	3.680608	0	
181	N201	-0.125	4.083333	-7.577722	0	
182	N202	0.125	0	-7.577723	0	
183	N203A	6.625	0	3.680608	0	
184	N204A	-6.625	0	3.680608	0	
185	N205	-0.125	0	-7.577722	0	
186	N198D	-5.824166	2.083333	4.105448	0	
187	N199C	6.020834	2.083333	4.105448	0	
188	N200A	3.6875	2.083333	4.105448	0	
189	N201A	1.4375	2.083333	4.105448	0	
190	N202A	-3.1875	2.083333	4.105448	0	
191	N205A	2.14367	0	0.418717	0	
192	N206	0.709215	0	-2.065831	0	
193	N205B	-5.083173	4.166667	3.897114	0	
194	N206A	5.083173	4.166667	3.897114	0	
195	N207	5.916586	4.166667	2.4536	0	
196	N208	0.833413	4.166667	-6.350714	0	
197	N209	-0.833413	4.166667	-6.350714	0	
198	N210	-5.916586	4.166667	2.4536	0	
199	N211	0.	-3.416667	-1.25	0	
200	N212	-1.082532	-3.416667	0.625	0	
201	N213A	1.082532	-3.416667	0.625	0	
202	N214B	0.	-0.416667	-5.25	0	
203	N216B	-4.546634	-0.416667	2.625	0	
204	N218A	4.546634	-0.416667	2.625	0	
205	N205C	2.65625	4.083333	-3.193469	0	
206	N206B	2.65625	0	-3.193469	0	
207	N207A	2.836672	4.083333	-3.297636	0	
208	N208A	2.836672	0	-3.297636	0	
209	N209A	2.836672	4.833333	-3.297636	0	
210	N210B	2.836672	-1.166667	-3.297636	0	
211	N211B	-4.09375	4.083333	-0.703645	0	
212	N212A	-4.09375	0	-0.703645	0	
213	N213B	-4.274172	4.083333	-0.807812	0	
214	N214C	-4.274172	0	-0.807812	0	
215	N215B	-4.274172	4.833333	-0.807812	0	
216	N216C	-4.274172	-1.166667	-0.807812	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	TES Plate	PL1/2X10	Beam	Pipe	A53 Gr.B	Typical	5	.104	41.667	.404
2	Mount Pipe	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Larger Moun...	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
4	Support Rail	L3X3X4	Beam	RECT	A36 Gr.36	Typical	1.44	1.23	1.23	.031
5	Support Rail...	PL1/2X6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
6	Standoff Tab	PL3/8X3	Beam	RECT	A36 Gr.36	Typical	1.125	.013	.844	.049
7	Corner Plate	PL1/2X9	Beam	RECT	A36 Gr.36	Typical	4.5	.094	30.375	.362
8	Standoff	HSS4X4X3	Beam	Tube	A500 Gr.B R...	Typical	2.58	6.21	6.21	10
9	Standoff Bra...	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical	1.93	3	3	.044
10	Face Horizo...	C5X6.7	Beam	Channel	A36 Gr.36	Typical	1.97	.47	7.48	.055
11	Mod Kicker	LL3x3x3x3	Beam	Double Angl...	A36 Gr.36	Typical	2.18	4.09	1.9	.027
12	Proposed M...	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	LV	N142A	N141A		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
2	M76	N153A	N154A			Standoff	Beam	Tube	A500 Gr.B...	Typical
3	M77	N161B	N162A		90	Standoff Brace	Beam	Single Angle	A36 Gr.36	Typical
4	M78	N162	N161B			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
5	M79	N162A	N158			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
6	M80	N164	N163			RIGID	None	None	RIGID	Typical
7	M81	N170	N169			RIGID	None	None	RIGID	Typical
8	M82	N169A	N168			RIGID	None	None	RIGID	Typical
9	M83	N170A	N168A			RIGID	None	None	RIGID	Typical
10	M84	N170	N169A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
11	M85	N171	N172			Standoff	Beam	Tube	A500 Gr.B...	Typical
12	M86	N175	N176		90	Standoff Brace	Beam	Single Angle	A36 Gr.36	Typical
13	M87	N156	N175			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
14	M88	N176	N161			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
15	M89	N178	N177			RIGID	None	None	RIGID	Typical
16	M90	N183	N180			RIGID	None	None	RIGID	Typical
17	M91	N182	N179			RIGID	None	None	RIGID	Typical
18	M92	N184	N181			RIGID	None	None	RIGID	Typical
19	M93	N183	N182		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
20	M94	N185	N186			Standoff	Beam	Tube	A500 Gr.B...	Typical
21	M95	N189	N190		90	Standoff Brace	Beam	Single Angle	A36 Gr.36	Typical
22	M96	N159	N189			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
23	M97	N190	N155			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
24	M98	N192	N191			RIGID	None	None	RIGID	Typical
25	M99	N197	N194			RIGID	None	None	RIGID	Typical
26	M100	N196	N193			RIGID	None	None	RIGID	Typical
27	M101	N198	N195			RIGID	None	None	RIGID	Typical
28	M102	N197	N196		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
29	M103	N199	N198A		180	Support Rail	Beam	RECT	A36 Gr.36	Typical
30	M109	N213	N218			RIGID	None	None	RIGID	Typical
31	M110	N216	N221A			RIGID	None	None	RIGID	Typical
32	M111	N215	N220A			RIGID	None	None	RIGID	Typical
33	M112	N214	N219A			RIGID	None	None	RIGID	Typical
34	M113	N215A	N223A			RIGID	None	None	RIGID	Typical
35	M114	N216A	N224A			RIGID	None	None	RIGID	Typical
36	M115	N217	N225A			RIGID	None	None	RIGID	Typical
37	M116	N214A	N222			RIGID	None	None	RIGID	Typical
38	MP5A	N226A	N230			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
39	MP2A	N229	N233			Larger Mount ...	Beam	Pipe	A53 Gr.B	Typical
40	OVP	N228A	N232			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
41	MP1A	N227A	N231			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
42	M49	N98	N100			Proposed Mou...	Beam	Pipe	A53 Gr.B	Typical
43	LM1	N99	N101			Proposed Mou...	Beam	Pipe	A53 Gr.B	Typical
44	MP3A	N102	N103			Proposed Mou...	Beam	Pipe	A53 Gr.B	Typical
45	M52	N104	N106			RIGID	None	None	RIGID	Typical
46	LM2	N105	N107			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
47	MP4A	N108	N109			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
48	M55	N110	N112			RIGID	None	None	RIGID	Typical
49	M56	N111	N113			RIGID	None	None	RIGID	Typical
50	M57	N114	N115			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
51	M58	N116	N124			RIGID	None	None	RIGID	Typical
52	M59	N119	N127			RIGID	None	None	RIGID	Typical
53	M60	N118	N126			RIGID	None	None	RIGID	Typical
54	M61	N117	N125			RIGID	None	None	RIGID	Typical
55	M62	N121	N129			RIGID	None	None	RIGID	Typical
56	M63	N122	N130			RIGID	None	None	RIGID	Typical
57	M64	N123	N131			RIGID	None	None	RIGID	Typical
58	M65	N120	N128			RIGID	None	None	RIGID	Typical
59	MP5C	N132	N136		240	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
60	MP2C	N135	N139A		240	Larger Mount ...	Beam	Pipe	A53 Gr.B	Typical
61	M68	N134	N138A		240	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
62	MP1C	N133	N137		240	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
63	M73A	N146B	N148A			RIGID	None	None	RIGID	Typical
64	M74A	N147B	N149A			RIGID	None	None	RIGID	Typical
65	MP4C	N150	N151A		240	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
66	M76A	N152	N154			RIGID	None	None	RIGID	Typical
67	M77A	N153	N155A			RIGID	None	None	RIGID	Typical
68	M78A	N156A	N157		240	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
69	M79A	N158A	N166			RIGID	None	None	RIGID	Typical
70	M80A	N161A	N169B			RIGID	None	None	RIGID	Typical
71	M81A	N160	N168B			RIGID	None	None	RIGID	Typical
72	M82A	N159A	N167			RIGID	None	None	RIGID	Typical
73	M83A	N163A	N171A			RIGID	None	None	RIGID	Typical
74	M84A	N164A	N172A			RIGID	None	None	RIGID	Typical
75	M85A	N165	N173			RIGID	None	None	RIGID	Typical
76	M86A	N162B	N170B			RIGID	None	None	RIGID	Typical
77	MP5B	N174	N178A		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
78	MP2B	N177A	N181A		120	Larger Mount ...	Beam	Pipe	A53 Gr.B	Typical
79	M89A	N176A	N180A		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
80	MP1B	N175A	N179A		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
81	M94A	N188	N190A			RIGID	None	None	RIGID	Typical
82	M95A	N189A	N191A			RIGID	None	None	RIGID	Typical
83	MP4B	N192A	N193A		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
84	M97A	N194A	N196A			RIGID	None	None	RIGID	Typical
85	M98A	N195A	N197A			RIGID	None	None	RIGID	Typical
86	LIGHT	N198B	N199A		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
87	M98B	N199B	N198C		180	Support Rail	Beam	RECT	A36 Gr.36	Typical
88	M99B	N201	N200		180	Support Rail	Beam	RECT	A36 Gr.36	Typical
89	M98C	N203A	N202		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
90	M99C	N205	N204A		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
91	M100A	N209	N208		90	Support Rail P...	Beam	RECT	A36 Gr.36	Typical
92	M101A	N205B	N210		90	Support Rail P...	Beam	RECT	A36 Gr.36	Typical
93	M102A	N207	N206A		90	Support Rail P...	Beam	RECT	A36 Gr.36	Typical
94	M100B	N210A	N205B			RIGID	None	None	RIGID	Typical
95	M102B	N146A	N207		120	RIGID	None	None	RIGID	Typical
96	M104	N148	N209		240	RIGID	None	None	RIGID	Typical
97	M103A	N211A	N206A			RIGID	None	None	RIGID	Typical
98	M104A	N147A	N208		120	RIGID	None	None	RIGID	Typical
99	M105	N149	N210		240	RIGID	None	None	RIGID	Typical
100	M106	N214B	N211			Mod Kicker	Beam	Double Angle (...)	A36 Gr.36	Typical
101	M107	N216B	N212			Mod Kicker	Beam	Double Angle (...)	A36 Gr.36	Typical
102	M108	N218A	N213A			Mod Kicker	Beam	Double Angle (...)	A36 Gr.36	Typical
103	M103B	N205C	N207A			Proposed Mou...	Beam	Pipe	A53 Gr.B	Typical
104	M104B	N206B	N208A			Proposed Mou...	Beam	Pipe	A53 Gr.B	Typical
105	MP3C	N209A	N210B		240	Proposed Mou...	Beam	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
106	M106A	N211B	N213B			Proposed Mou...	Beam	Pipe	A53 Gr.B	Typical
107	M107A	N212A	N214C			Proposed Mou...	Beam	Pipe	A53 Gr.B	Typical
108	MP3B	N215B	N216C		120	Proposed Mou...	Beam	Pipe	A53 Gr.B	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	LV						Yes				None
2	M76						Yes				None
3	M77	OOOOOX	OOOOOX				Yes				None
4	M78						Yes				None
5	M79						Yes				None
6	M80		AIIPIN			Compres...	Yes	** NA **			None
7	M81						Yes	** NA **			None
8	M82						Yes	** NA **			None
9	M83						Yes	** NA **			None
10	M84						Yes				None
11	M85						Yes				None
12	M86	OOOOOX	OOOOOX				Yes				None
13	M87						Yes				None
14	M88						Yes				None
15	M89		AIIPIN			Compres...	Yes	** NA **			None
16	M90						Yes	** NA **			None
17	M91						Yes	** NA **			None
18	M92						Yes	** NA **			None
19	M93						Yes				None
20	M94						Yes				None
21	M95	OOOOOX	OOOOOX				Yes				None
22	M96						Yes				None
23	M97						Yes				None
24	M98		AIIPIN			Compres...	Yes	** NA **			None
25	M99						Yes	** NA **			None
26	M100						Yes	** NA **			None
27	M101						Yes	** NA **			None
28	M102						Yes				None
29	M103						Yes				None
30	M109		OOOXOO				Yes	** NA **			None
31	M110		OOOXOO				Yes	** NA **			None
32	M111		OOOXOO				Yes	** NA **			None
33	M112		OOOXOO				Yes	** NA **			None
34	M113		OOOXOO				Yes	** NA **			None
35	M114						Yes	** NA **			None
36	M115		OOOXOO				Yes	** NA **			None
37	M116		OOOXOO				Yes	** NA **			None
38	MP5A						Yes				None
39	MP2A						Yes				None
40	OVP						Yes				None
41	MP1A						Yes	Default			None
42	M49		OOOXOO				Yes				None
43	LM1						Yes				None
44	MP3A						Yes				None
45	M52		OOOXOO				Yes	** NA **			None
46	LM2						Yes	** NA **			None
47	MP4A						Yes	Default			None
48	M55		OOOXOO				Yes	** NA **			None
49	M56						Yes	** NA **			None
50	M57						Yes				None
51	M58		OOOXOO				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...
52	M59		OOOXOO				Yes	** NA **			None
53	M60						Yes	** NA **			None
54	M61		OOOXOO				Yes	** NA **			None
55	M62		OOOXOO				Yes	** NA **			None
56	M63						Yes	** NA **			None
57	M64		OOOXOO				Yes	** NA **			None
58	M65		OOOXOO				Yes	** NA **			None
59	MP5C						Yes				None
60	MP2C						Yes				None
61	M68						Yes				None
62	MP1C						Yes	Default			None
63	M73A		OOOXOO				Yes	** NA **			None
64	M74A						Yes	** NA **			None
65	MP4C						Yes	Default			None
66	M76A		OOOXOO				Yes	** NA **			None
67	M77A						Yes	** NA **			None
68	M78A						Yes				None
69	M79A		OOOXOO				Yes	** NA **			None
70	M80A		OOOXOO				Yes	** NA **			None
71	M81A		OOOXOO				Yes	** NA **			None
72	M82A		OOOXOO				Yes	** NA **			None
73	M83A		OOOXOO				Yes	** NA **			None
74	M84A						Yes	** NA **			None
75	M85A		OOOXOO				Yes	** NA **			None
76	M86A		OOOXOO				Yes	** NA **			None
77	MP5B						Yes				None
78	MP2B						Yes				None
79	M89A						Yes				None
80	MP1B						Yes	Default			None
81	M94A		OOOXOO				Yes	** NA **			None
82	M95A						Yes	** NA **			None
83	MP4B						Yes	Default			None
84	M97A		OOOXOO				Yes	** NA **			None
85	M98A						Yes	** NA **			None
86	LIGHT						Yes				None
87	M98B						Yes				None
88	M99B						Yes				None
89	M98C						Yes				None
90	M99C						Yes				None
91	M100A						Yes				None
92	M101A						Yes				None
93	M102A						Yes				None
94	M100B						Yes	** NA **			None
95	M102B						Yes	** NA **			None
96	M104						Yes	** NA **			None
97	M103A						Yes	** NA **			None
98	M104A						Yes	** NA **			None
99	M105						Yes	** NA **			None
100	M106	BenPIN					Yes	Default			None
101	M107	BenPIN					Yes	Default			None
102	M108	BenPIN					Yes	Default			None
103	M103B		OOOXOO				Yes				None
104	M104B						Yes				None
105	MP3C						Yes				None
106	M106A		OOOXOO				Yes				None
107	M107A						Yes				None
108	MP3B						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	Y	-17.6	4
2	MP3A	My	.009	4
3	MP3A	Mz	0	4
4	MP3C	Y	-17.6	4
5	MP3C	My	-.004	4
6	MP3C	Mz	-.008	4
7	MP3A	Y	-25.5	1.75
8	MP3A	My	-.013	1.75
9	MP3A	Mz	.021	1.75
10	MP3A	Y	-25.5	5.75
11	MP3A	My	-.013	5.75
12	MP3A	Mz	.021	5.75
13	MP3B	Y	-25.5	1.75
14	MP3B	My	-.012	1.75
15	MP3B	Mz	-.022	1.75
16	MP3B	Y	-25.5	5.75
17	MP3B	My	-.012	5.75
18	MP3B	Mz	-.022	5.75
19	MP3C	Y	-25.5	1.75
20	MP3C	My	.025	1.75
21	MP3C	Mz	.000417	1.75
22	MP3C	Y	-25.5	5.75
23	MP3C	My	.025	5.75
24	MP3C	Mz	.000417	5.75
25	MP3A	Y	-25.5	1.75
26	MP3A	My	-.013	1.75
27	MP3A	Mz	-.021	1.75
28	MP3A	Y	-25.5	5.75
29	MP3A	My	-.013	5.75
30	MP3A	Mz	-.021	5.75
31	MP3B	Y	-25.5	1.75
32	MP3B	My	.025	1.75
33	MP3B	Mz	-.000417	1.75
34	MP3B	Y	-25.5	5.75
35	MP3B	My	.025	5.75
36	MP3B	Mz	-.000417	5.75
37	MP3C	Y	-25.5	1.75
38	MP3C	My	-.012	1.75
39	MP3C	Mz	.022	1.75
40	MP3C	Y	-25.5	5.75
41	MP3C	My	-.012	5.75
42	MP3C	Mz	.022	5.75
43	MP4A	Y	-43.55	1.33
44	MP4A	My	-.022	1.33
45	MP4A	Mz	0	1.33
46	MP4A	Y	-43.55	3.33
47	MP4A	My	-.022	3.33
48	MP4A	Mz	0	3.33
49	MP4B	Y	-43.55	1.33
50	MP4B	My	.011	1.33
51	MP4B	Mz	-.019	1.33
52	MP4B	Y	-43.55	3.33
53	MP4B	My	.011	3.33
54	MP4B	Mz	-.019	3.33
55	MP4C	Y	-43.55	1.33
56	MP4C	My	.011	1.33
57	MP4C	Mz	.019	1.33
58	MP4C	Y	-43.55	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
59	MP4C	My	.011	3.33
60	MP4C	Mz	.019	3.33
61	OVP	Y	-32	1.5
62	OVP	My	0	1.5
63	OVP	Mz	0	1.5
64	MP3A	Y	-84.4	2
65	MP3A	My	.042	2
66	MP3A	Mz	0	2
67	MP3B	Y	-84.4	2
68	MP3B	My	-.021	2
69	MP3B	Mz	.037	2
70	MP3C	Y	-84.4	2
71	MP3C	My	-.021	2
72	MP3C	Mz	-.037	2
73	MP2A	Y	-70.3	2
74	MP2A	My	.035	2
75	MP2A	Mz	0	2
76	MP2B	Y	-70.3	2
77	MP2B	My	-.018	2
78	MP2B	Mz	.03	2
79	MP2C	Y	-70.3	2
80	MP2C	My	-.018	2
81	MP2C	Mz	-.03	2
82	MP1A	Y	-10.5	1
83	MP1A	My	-.005	1
84	MP1A	Mz	0	1
85	MP1A	Y	-10.5	5
86	MP1A	My	-.005	5
87	MP1A	Mz	0	5
88	MP1B	Y	-10.5	1
89	MP1B	My	.003	1
90	MP1B	Mz	-.005	1
91	MP1B	Y	-10.5	5
92	MP1B	My	.003	5
93	MP1B	Mz	-.005	5
94	MP1C	Y	-10.5	1
95	MP1C	My	.003	1
96	MP1C	Mz	.005	1
97	MP1C	Y	-10.5	5
98	MP1C	My	.003	5
99	MP1C	Mz	.005	5
100	MP5A	Y	-10.5	1
101	MP5A	My	-.005	1
102	MP5A	Mz	0	1
103	MP5A	Y	-10.5	5
104	MP5A	My	-.005	5
105	MP5A	Mz	0	5
106	MP5B	Y	-10.5	1
107	MP5B	My	.003	1
108	MP5B	Mz	-.005	1
109	MP5B	Y	-10.5	5
110	MP5B	My	.003	5
111	MP5B	Mz	-.005	5
112	MP5C	Y	-10.5	1
113	MP5C	My	.003	1
114	MP5C	Mz	.005	1
115	MP5C	Y	-10.5	5
116	MP5C	My	.003	5
117	MP5C	Mz	.005	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
118	LIGHT	Y	-10	.13
119	LIGHT	My	0	.13
120	LIGHT	Mz	0	.13

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-17.356	4
2	MP3A	My	.009	4
3	MP3A	Mz	0	4
4	MP3C	Y	-17.356	4
5	MP3C	My	-.004	4
6	MP3C	Mz	-.008	4
7	MP3A	Y	-108.203	1.75
8	MP3A	My	-.054	1.75
9	MP3A	Mz	.09	1.75
10	MP3A	Y	-108.203	5.75
11	MP3A	My	-.054	5.75
12	MP3A	Mz	.09	5.75
13	MP3B	Y	-108.203	1.75
14	MP3B	My	-.051	1.75
15	MP3B	Mz	-.092	1.75
16	MP3B	Y	-108.203	5.75
17	MP3B	My	-.051	5.75
18	MP3B	Mz	-.092	5.75
19	MP3C	Y	-108.203	1.75
20	MP3C	My	.105	1.75
21	MP3C	Mz	.002	1.75
22	MP3C	Y	-108.203	5.75
23	MP3C	My	.105	5.75
24	MP3C	Mz	.002	5.75
25	MP3A	Y	-108.203	1.75
26	MP3A	My	-.054	1.75
27	MP3A	Mz	-.09	1.75
28	MP3A	Y	-108.203	5.75
29	MP3A	My	-.054	5.75
30	MP3A	Mz	-.09	5.75
31	MP3B	Y	-108.203	1.75
32	MP3B	My	.105	1.75
33	MP3B	Mz	-.002	1.75
34	MP3B	Y	-108.203	5.75
35	MP3B	My	.105	5.75
36	MP3B	Mz	-.002	5.75
37	MP3C	Y	-108.203	1.75
38	MP3C	My	-.051	1.75
39	MP3C	Mz	.092	1.75
40	MP3C	Y	-108.203	5.75
41	MP3C	My	-.051	5.75
42	MP3C	Mz	.092	5.75
43	MP4A	Y	-35.634	1.33
44	MP4A	My	-.018	1.33
45	MP4A	Mz	0	1.33
46	MP4A	Y	-35.634	3.33
47	MP4A	My	-.018	3.33
48	MP4A	Mz	0	3.33
49	MP4B	Y	-35.634	1.33
50	MP4B	My	.009	1.33
51	MP4B	Mz	-.015	1.33
52	MP4B	Y	-35.634	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
53	MP4B	My	.009	3.33
54	MP4B	Mz	-.015	3.33
55	MP4C	Y	-35.634	1.33
56	MP4C	My	.009	1.33
57	MP4C	Mz	.015	1.33
58	MP4C	Y	-35.634	3.33
59	MP4C	My	.009	3.33
60	MP4C	Mz	.015	3.33
61	OVP	Y	-87.961	1.5
62	OVP	My	0	1.5
63	OVP	Mz	0	1.5
64	MP3A	Y	-44.926	2
65	MP3A	My	.022	2
66	MP3A	Mz	0	2
67	MP3B	Y	-44.926	2
68	MP3B	My	-.011	2
69	MP3B	Mz	.019	2
70	MP3C	Y	-44.926	2
71	MP3C	My	-.011	2
72	MP3C	Mz	-.019	2
73	MP2A	Y	-40.402	2
74	MP2A	My	.02	2
75	MP2A	Mz	0	2
76	MP2B	Y	-40.402	2
77	MP2B	My	-.01	2
78	MP2B	Mz	.017	2
79	MP2C	Y	-40.402	2
80	MP2C	My	-.01	2
81	MP2C	Mz	-.017	2
82	MP1A	Y	-59.266	1
83	MP1A	My	-.03	1
84	MP1A	Mz	0	1
85	MP1A	Y	-59.266	5
86	MP1A	My	-.03	5
87	MP1A	Mz	0	5
88	MP1B	Y	-59.266	1
89	MP1B	My	.015	1
90	MP1B	Mz	-.026	1
91	MP1B	Y	-59.266	5
92	MP1B	My	.015	5
93	MP1B	Mz	-.026	5
94	MP1C	Y	-59.266	1
95	MP1C	My	.015	1
96	MP1C	Mz	.026	1
97	MP1C	Y	-59.266	5
98	MP1C	My	.015	5
99	MP1C	Mz	.026	5
100	MP5A	Y	-59.266	1
101	MP5A	My	-.03	1
102	MP5A	Mz	0	1
103	MP5A	Y	-59.266	5
104	MP5A	My	-.03	5
105	MP5A	Mz	0	5
106	MP5B	Y	-59.266	1
107	MP5B	My	.015	1
108	MP5B	Mz	-.026	1
109	MP5B	Y	-59.266	5
110	MP5B	My	.015	5
111	MP5B	Mz	-.026	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
112	MP5C	Y	-59.266	1
113	MP5C	My	.015	1
114	MP5C	Mz	.026	1
115	MP5C	Y	-59.266	5
116	MP5C	My	.015	5
117	MP5C	Mz	.026	5
118	LIGHT	Y	-11.397	.13
119	LIGHT	My	0	.13
120	LIGHT	Mz	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	0	4
2	MP3A	Z	-32.586	4
3	MP3A	Mx	0	4
4	MP3C	X	0	4
5	MP3C	Z	-15.559	4
6	MP3C	Mx	.007	4
7	MP3A	X	0	1.75
8	MP3A	Z	-107.941	1.75
9	MP3A	Mx	-.09	1.75
10	MP3A	X	0	5.75
11	MP3A	Z	-107.941	5.75
12	MP3A	Mx	-.09	5.75
13	MP3B	X	0	1.75
14	MP3B	Z	-87.575	1.75
15	MP3B	Mx	.074	1.75
16	MP3B	X	0	5.75
17	MP3B	Z	-87.575	5.75
18	MP3B	Mx	.074	5.75
19	MP3C	X	0	1.75
20	MP3C	Z	-87.575	1.75
21	MP3C	Mx	-.001	1.75
22	MP3C	X	0	5.75
23	MP3C	Z	-87.575	5.75
24	MP3C	Mx	-.001	5.75
25	MP3A	X	0	1.75
26	MP3A	Z	-107.941	1.75
27	MP3A	Mx	.09	1.75
28	MP3A	X	0	5.75
29	MP3A	Z	-107.941	5.75
30	MP3A	Mx	.09	5.75
31	MP3B	X	0	1.75
32	MP3B	Z	-87.575	1.75
33	MP3B	Mx	.001	1.75
34	MP3B	X	0	5.75
35	MP3B	Z	-87.575	5.75
36	MP3B	Mx	.001	5.75
37	MP3C	X	0	1.75
38	MP3C	Z	-87.575	1.75
39	MP3C	Mx	-.074	1.75
40	MP3C	X	0	5.75
41	MP3C	Z	-87.575	5.75
42	MP3C	Mx	-.074	5.75
43	MP4A	X	0	1.33
44	MP4A	Z	-66.53	1.33
45	MP4A	Mx	0	1.33
46	MP4A	X	0	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
47	MP4A	Z	-66.53	3.33
48	MP4A	Mx	0	3.33
49	MP4B	X	0	1.33
50	MP4B	Z	-33.816	1.33
51	MP4B	Mx	.015	1.33
52	MP4B	X	0	3.33
53	MP4B	Z	-33.816	3.33
54	MP4B	Mx	.015	3.33
55	MP4C	X	0	1.33
56	MP4C	Z	-33.816	1.33
57	MP4C	Mx	-.015	1.33
58	MP4C	X	0	3.33
59	MP4C	Z	-33.816	3.33
60	MP4C	Mx	-.015	3.33
61	OVP	X	0	1.5
62	OVP	Z	-101.152	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	0	2
65	MP3A	Z	-52.613	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	-39.629	2
69	MP3B	Mx	-.017	2
70	MP3C	X	0	2
71	MP3C	Z	-39.629	2
72	MP3C	Mx	.017	2
73	MP2A	X	0	2
74	MP2A	Z	-52.613	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	-34.792	2
78	MP2B	Mx	-.015	2
79	MP2C	X	0	2
80	MP2C	Z	-34.792	2
81	MP2C	Mx	.015	2
82	MP1A	X	0	1
83	MP1A	Z	-119.651	1
84	MP1A	Mx	0	1
85	MP1A	X	0	5
86	MP1A	Z	-119.651	5
87	MP1A	Mx	0	5
88	MP1B	X	0	1
89	MP1B	Z	-108.301	1
90	MP1B	Mx	.047	1
91	MP1B	X	0	5
92	MP1B	Z	-108.301	5
93	MP1B	Mx	.047	5
94	MP1C	X	0	1
95	MP1C	Z	-108.301	1
96	MP1C	Mx	-.047	1
97	MP1C	X	0	5
98	MP1C	Z	-108.301	5
99	MP1C	Mx	-.047	5
100	MP5A	X	0	1
101	MP5A	Z	-119.651	1
102	MP5A	Mx	0	1
103	MP5A	X	0	5
104	MP5A	Z	-119.651	5
105	MP5A	Mx	0	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
106	MP5B	X	0	1
107	MP5B	Z	-108.301	1
108	MP5B	Mx	.047	1
109	MP5B	X	0	5
110	MP5B	Z	-108.301	5
111	MP5B	Mx	.047	5
112	MP5C	X	0	1
113	MP5C	Z	-108.301	1
114	MP5C	Mx	-.047	1
115	MP5C	X	0	5
116	MP5C	Z	-108.301	5
117	MP5C	Mx	-.047	5
118	LIGHT	X	0	.13
119	LIGHT	Z	-30.549	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	13.455	4
2	MP3A	Z	-23.305	4
3	MP3A	Mx	.007	4
4	MP3C	X	13.455	4
5	MP3C	Z	-23.305	4
6	MP3C	Mx	.007	4
7	MP3A	X	50.576	1.75
8	MP3A	Z	-87.6	1.75
9	MP3A	Mx	-.098	1.75
10	MP3A	X	50.576	5.75
11	MP3A	Z	-87.6	5.75
12	MP3A	Mx	-.098	5.75
13	MP3B	X	40.393	1.75
14	MP3B	Z	-69.963	1.75
15	MP3B	Mx	.04	1.75
16	MP3B	X	40.393	5.75
17	MP3B	Z	-69.963	5.75
18	MP3B	Mx	.04	5.75
19	MP3C	X	50.576	1.75
20	MP3C	Z	-87.6	1.75
21	MP3C	Mx	.048	1.75
22	MP3C	X	50.576	5.75
23	MP3C	Z	-87.6	5.75
24	MP3C	Mx	.048	5.75
25	MP3A	X	50.576	1.75
26	MP3A	Z	-87.6	1.75
27	MP3A	Mx	.048	1.75
28	MP3A	X	50.576	5.75
29	MP3A	Z	-87.6	5.75
30	MP3A	Mx	.048	5.75
31	MP3B	X	40.393	1.75
32	MP3B	Z	-69.963	1.75
33	MP3B	Mx	.04	1.75
34	MP3B	X	40.393	5.75
35	MP3B	Z	-69.963	5.75
36	MP3B	Mx	.04	5.75
37	MP3C	X	50.576	1.75
38	MP3C	Z	-87.6	1.75
39	MP3C	Mx	-.098	1.75
40	MP3C	X	50.576	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
41	MP3C	Z	-87.6	5.75
42	MP3C	Mx	-.098	5.75
43	MP4A	X	27.813	1.33
44	MP4A	Z	-48.173	1.33
45	MP4A	Mx	-.014	1.33
46	MP4A	X	27.813	3.33
47	MP4A	Z	-48.173	3.33
48	MP4A	Mx	-.014	3.33
49	MP4B	X	11.456	1.33
50	MP4B	Z	-19.842	1.33
51	MP4B	Mx	.011	1.33
52	MP4B	X	11.456	3.33
53	MP4B	Z	-19.842	3.33
54	MP4B	Mx	.011	3.33
55	MP4C	X	27.813	1.33
56	MP4C	Z	-48.173	1.33
57	MP4C	Mx	-.014	1.33
58	MP4C	X	27.813	3.33
59	MP4C	Z	-48.173	3.33
60	MP4C	Mx	-.014	3.33
61	OVP	X	44.127	1.5
62	OVP	Z	-76.43	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	24.142	2
65	MP3A	Z	-41.816	2
66	MP3A	Mx	.012	2
67	MP3B	X	17.651	2
68	MP3B	Z	-30.572	2
69	MP3B	Mx	-.018	2
70	MP3C	X	24.142	2
71	MP3C	Z	-41.816	2
72	MP3C	Mx	.012	2
73	MP2A	X	23.336	2
74	MP2A	Z	-40.42	2
75	MP2A	Mx	.012	2
76	MP2B	X	14.426	2
77	MP2B	Z	-24.987	2
78	MP2B	Mx	-.014	2
79	MP2C	X	23.336	2
80	MP2C	Z	-40.42	2
81	MP2C	Mx	.012	2
82	MP1A	X	57.934	1
83	MP1A	Z	-100.345	1
84	MP1A	Mx	-.029	1
85	MP1A	X	57.934	5
86	MP1A	Z	-100.345	5
87	MP1A	Mx	-.029	5
88	MP1B	X	52.259	1
89	MP1B	Z	-90.515	1
90	MP1B	Mx	.052	1
91	MP1B	X	52.259	5
92	MP1B	Z	-90.515	5
93	MP1B	Mx	.052	5
94	MP1C	X	57.934	1
95	MP1C	Z	-100.345	1
96	MP1C	Mx	-.029	1
97	MP1C	X	57.934	5
98	MP1C	Z	-100.345	5
99	MP1C	Mx	-.029	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
100	MP5A	X	57.934	1
101	MP5A	Z	-100.345	1
102	MP5A	Mx	-.029	1
103	MP5A	X	57.934	5
104	MP5A	Z	-100.345	5
105	MP5A	Mx	-.029	5
106	MP5B	X	52.259	1
107	MP5B	Z	-90.515	1
108	MP5B	Mx	.052	1
109	MP5B	X	52.259	5
110	MP5B	Z	-90.515	5
111	MP5B	Mx	.052	5
112	MP5C	X	57.934	1
113	MP5C	Z	-100.345	1
114	MP5C	Mx	-.029	1
115	MP5C	X	57.934	5
116	MP5C	Z	-100.345	5
117	MP5C	Mx	-.029	5
118	LIGHT	X	11.88	.13
119	LIGHT	Z	-20.577	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	13.475	4
2	MP3A	Z	-7.78	4
3	MP3A	Mx	.007	4
4	MP3C	X	28.22	4
5	MP3C	Z	-16.293	4
6	MP3C	Mx	0	4
7	MP3A	X	75.842	1.75
8	MP3A	Z	-43.787	1.75
9	MP3A	Mx	-.074	1.75
10	MP3A	X	75.842	5.75
11	MP3A	Z	-43.787	5.75
12	MP3A	Mx	-.074	5.75
13	MP3B	X	75.842	1.75
14	MP3B	Z	-43.787	1.75
15	MP3B	Mx	.001	1.75
16	MP3B	X	75.842	5.75
17	MP3B	Z	-43.787	5.75
18	MP3B	Mx	.001	5.75
19	MP3C	X	93.479	1.75
20	MP3C	Z	-53.97	1.75
21	MP3C	Mx	.09	1.75
22	MP3C	X	93.479	5.75
23	MP3C	Z	-53.97	5.75
24	MP3C	Mx	.09	5.75
25	MP3A	X	75.842	1.75
26	MP3A	Z	-43.787	1.75
27	MP3A	Mx	-.001	1.75
28	MP3A	X	75.842	5.75
29	MP3A	Z	-43.787	5.75
30	MP3A	Mx	-.001	5.75
31	MP3B	X	75.842	1.75
32	MP3B	Z	-43.787	1.75
33	MP3B	Mx	.074	1.75
34	MP3B	X	75.842	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
35	MP3B	Z	-43.787	5.75
36	MP3B	Mx	.074	5.75
37	MP3C	X	93.479	1.75
38	MP3C	Z	-53.97	1.75
39	MP3C	Mx	-.09	1.75
40	MP3C	X	93.479	5.75
41	MP3C	Z	-53.97	5.75
42	MP3C	Mx	-.09	5.75
43	MP4A	X	29.286	1.33
44	MP4A	Z	-16.908	1.33
45	MP4A	Mx	-.015	1.33
46	MP4A	X	29.286	3.33
47	MP4A	Z	-16.908	3.33
48	MP4A	Mx	-.015	3.33
49	MP4B	X	29.286	1.33
50	MP4B	Z	-16.908	1.33
51	MP4B	Mx	.015	1.33
52	MP4B	X	29.286	3.33
53	MP4B	Z	-16.908	3.33
54	MP4B	Mx	.015	3.33
55	MP4C	X	57.616	1.33
56	MP4C	Z	-33.265	1.33
57	MP4C	Mx	0	1.33
58	MP4C	X	57.616	3.33
59	MP4C	Z	-33.265	3.33
60	MP4C	Mx	0	3.33
61	OVP	X	70.844	1.5
62	OVP	Z	-40.902	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	34.32	2
65	MP3A	Z	-19.815	2
66	MP3A	Mx	.017	2
67	MP3B	X	34.32	2
68	MP3B	Z	-19.815	2
69	MP3B	Mx	-.017	2
70	MP3C	X	45.564	2
71	MP3C	Z	-26.306	2
72	MP3C	Mx	0	2
73	MP2A	X	30.131	2
74	MP2A	Z	-17.396	2
75	MP2A	Mx	.015	2
76	MP2B	X	30.131	2
77	MP2B	Z	-17.396	2
78	MP2B	Mx	-.015	2
79	MP2C	X	45.564	2
80	MP2C	Z	-26.306	2
81	MP2C	Mx	0	2
82	MP1A	X	93.792	1
83	MP1A	Z	-54.151	1
84	MP1A	Mx	-.047	1
85	MP1A	X	93.792	5
86	MP1A	Z	-54.151	5
87	MP1A	Mx	-.047	5
88	MP1B	X	93.792	1
89	MP1B	Z	-54.151	1
90	MP1B	Mx	.047	1
91	MP1B	X	93.792	5
92	MP1B	Z	-54.151	5
93	MP1B	Mx	.047	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
94	MP1C	X	103.621	1
95	MP1C	Z	-59.826	1
96	MP1C	Mx	0	1
97	MP1C	X	103.621	5
98	MP1C	Z	-59.826	5
99	MP1C	Mx	0	5
100	MP5A	X	93.792	1
101	MP5A	Z	-54.151	1
102	MP5A	Mx	-.047	1
103	MP5A	X	93.792	5
104	MP5A	Z	-54.151	5
105	MP5A	Mx	-.047	5
106	MP5B	X	93.792	1
107	MP5B	Z	-54.151	1
108	MP5B	Mx	.047	1
109	MP5B	X	93.792	5
110	MP5B	Z	-54.151	5
111	MP5B	Mx	.047	5
112	MP5C	X	103.621	1
113	MP5C	Z	-59.826	1
114	MP5C	Mx	0	1
115	MP5C	X	103.621	5
116	MP5C	Z	-59.826	5
117	MP5C	Mx	0	5
118	LIGHT	X	17.638	.13
119	LIGHT	Z	-10.183	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	9.883	4
2	MP3A	Z	0	4
3	MP3A	Mx	.005	4
4	MP3C	X	26.91	4
5	MP3C	Z	0	4
6	MP3C	Mx	-.007	4
7	MP3A	X	80.786	1.75
8	MP3A	Z	0	1.75
9	MP3A	Mx	-.04	1.75
10	MP3A	X	80.786	5.75
11	MP3A	Z	0	5.75
12	MP3A	Mx	-.04	5.75
13	MP3B	X	101.152	1.75
14	MP3B	Z	0	1.75
15	MP3B	Mx	-.048	1.75
16	MP3B	X	101.152	5.75
17	MP3B	Z	0	5.75
18	MP3B	Mx	-.048	5.75
19	MP3C	X	101.152	1.75
20	MP3C	Z	0	1.75
21	MP3C	Mx	.098	1.75
22	MP3C	X	101.152	5.75
23	MP3C	Z	0	5.75
24	MP3C	Mx	.098	5.75
25	MP3A	X	80.786	1.75
26	MP3A	Z	0	1.75
27	MP3A	Mx	-.04	1.75
28	MP3A	X	80.786	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
29	MP3A	Z	0	5.75
30	MP3A	Mx	-.04	5.75
31	MP3B	X	101.152	1.75
32	MP3B	Z	0	1.75
33	MP3B	Mx	.098	1.75
34	MP3B	X	101.152	5.75
35	MP3B	Z	0	5.75
36	MP3B	Mx	.098	5.75
37	MP3C	X	101.152	1.75
38	MP3C	Z	0	1.75
39	MP3C	Mx	-.048	1.75
40	MP3C	X	101.152	5.75
41	MP3C	Z	0	5.75
42	MP3C	Mx	-.048	5.75
43	MP4A	X	22.912	1.33
44	MP4A	Z	0	1.33
45	MP4A	Mx	-.011	1.33
46	MP4A	X	22.912	3.33
47	MP4A	Z	0	3.33
48	MP4A	Mx	-.011	3.33
49	MP4B	X	55.625	1.33
50	MP4B	Z	0	1.33
51	MP4B	Mx	.014	1.33
52	MP4B	X	55.625	3.33
53	MP4B	Z	0	3.33
54	MP4B	Mx	.014	3.33
55	MP4C	X	55.625	1.33
56	MP4C	Z	0	1.33
57	MP4C	Mx	.014	1.33
58	MP4C	X	55.625	3.33
59	MP4C	Z	0	3.33
60	MP4C	Mx	.014	3.33
61	OVP	X	88.253	1.5
62	OVP	Z	0	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	35.301	2
65	MP3A	Z	0	2
66	MP3A	Mx	.018	2
67	MP3B	X	48.285	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.012	2
70	MP3C	X	48.285	2
71	MP3C	Z	0	2
72	MP3C	Mx	-.012	2
73	MP2A	X	28.852	2
74	MP2A	Z	0	2
75	MP2A	Mx	.014	2
76	MP2B	X	46.672	2
77	MP2B	Z	0	2
78	MP2B	Mx	-.012	2
79	MP2C	X	46.672	2
80	MP2C	Z	0	2
81	MP2C	Mx	-.012	2
82	MP1A	X	104.518	1
83	MP1A	Z	0	1
84	MP1A	Mx	-.052	1
85	MP1A	X	104.518	5
86	MP1A	Z	0	5
87	MP1A	Mx	-.052	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
88	MP1B	X	115.868	1
89	MP1B	Z	0	1
90	MP1B	Mx	.029	1
91	MP1B	X	115.868	5
92	MP1B	Z	0	5
93	MP1B	Mx	.029	5
94	MP1C	X	115.868	1
95	MP1C	Z	0	1
96	MP1C	Mx	.029	1
97	MP1C	X	115.868	5
98	MP1C	Z	0	5
99	MP1C	Mx	.029	5
100	MP5A	X	104.518	1
101	MP5A	Z	0	1
102	MP5A	Mx	-.052	1
103	MP5A	X	104.518	5
104	MP5A	Z	0	5
105	MP5A	Mx	-.052	5
106	MP5B	X	115.868	1
107	MP5B	Z	0	1
108	MP5B	Mx	.029	1
109	MP5B	X	115.868	5
110	MP5B	Z	0	5
111	MP5B	Mx	.029	5
112	MP5C	X	115.868	1
113	MP5C	Z	0	1
114	MP5C	Mx	.029	1
115	MP5C	X	115.868	5
116	MP5C	Z	0	5
117	MP5C	Mx	.029	5
118	LIGHT	X	23.761	.13
119	LIGHT	Z	0	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	13.475	4
2	MP3A	Z	7.78	4
3	MP3A	Mx	.007	4
4	MP3C	X	13.475	4
5	MP3C	Z	7.78	4
6	MP3C	Mx	-.007	4
7	MP3A	X	75.842	1.75
8	MP3A	Z	43.787	1.75
9	MP3A	Mx	-.001	1.75
10	MP3A	X	75.842	5.75
11	MP3A	Z	43.787	5.75
12	MP3A	Mx	-.001	5.75
13	MP3B	X	93.479	1.75
14	MP3B	Z	53.97	1.75
15	MP3B	Mx	-.09	1.75
16	MP3B	X	93.479	5.75
17	MP3B	Z	53.97	5.75
18	MP3B	Mx	-.09	5.75
19	MP3C	X	75.842	1.75
20	MP3C	Z	43.787	1.75
21	MP3C	Mx	.074	1.75
22	MP3C	X	75.842	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
23	MP3C	Z	43.787	5.75
24	MP3C	Mx	.074	5.75
25	MP3A	X	75.842	1.75
26	MP3A	Z	43.787	1.75
27	MP3A	Mx	-.074	1.75
28	MP3A	X	75.842	5.75
29	MP3A	Z	43.787	5.75
30	MP3A	Mx	-.074	5.75
31	MP3B	X	93.479	1.75
32	MP3B	Z	53.97	1.75
33	MP3B	Mx	.09	1.75
34	MP3B	X	93.479	5.75
35	MP3B	Z	53.97	5.75
36	MP3B	Mx	.09	5.75
37	MP3C	X	75.842	1.75
38	MP3C	Z	43.787	1.75
39	MP3C	Mx	.001	1.75
40	MP3C	X	75.842	5.75
41	MP3C	Z	43.787	5.75
42	MP3C	Mx	.001	5.75
43	MP4A	X	29.286	1.33
44	MP4A	Z	16.908	1.33
45	MP4A	Mx	-.015	1.33
46	MP4A	X	29.286	3.33
47	MP4A	Z	16.908	3.33
48	MP4A	Mx	-.015	3.33
49	MP4B	X	57.616	1.33
50	MP4B	Z	33.265	1.33
51	MP4B	Mx	0	1.33
52	MP4B	X	57.616	3.33
53	MP4B	Z	33.265	3.33
54	MP4B	Mx	0	3.33
55	MP4C	X	29.286	1.33
56	MP4C	Z	16.908	1.33
57	MP4C	Mx	.015	1.33
58	MP4C	X	29.286	3.33
59	MP4C	Z	16.908	3.33
60	MP4C	Mx	.015	3.33
61	OVP	X	87.6	1.5
62	OVP	Z	50.576	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	34.32	2
65	MP3A	Z	19.815	2
66	MP3A	Mx	.017	2
67	MP3B	X	45.564	2
68	MP3B	Z	26.306	2
69	MP3B	Mx	0	2
70	MP3C	X	34.32	2
71	MP3C	Z	19.815	2
72	MP3C	Mx	-.017	2
73	MP2A	X	30.131	2
74	MP2A	Z	17.396	2
75	MP2A	Mx	.015	2
76	MP2B	X	45.564	2
77	MP2B	Z	26.306	2
78	MP2B	Mx	0	2
79	MP2C	X	30.131	2
80	MP2C	Z	17.396	2
81	MP2C	Mx	-.015	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
82	MP1A	X	93.792	1
83	MP1A	Z	54.151	1
84	MP1A	Mx	-.047	1
85	MP1A	X	93.792	5
86	MP1A	Z	54.151	5
87	MP1A	Mx	-.047	5
88	MP1B	X	103.621	1
89	MP1B	Z	59.826	1
90	MP1B	Mx	0	1
91	MP1B	X	103.621	5
92	MP1B	Z	59.826	5
93	MP1B	Mx	0	5
94	MP1C	X	93.792	1
95	MP1C	Z	54.151	1
96	MP1C	Mx	.047	1
97	MP1C	X	93.792	5
98	MP1C	Z	54.151	5
99	MP1C	Mx	.047	5
100	MP5A	X	93.792	1
101	MP5A	Z	54.151	1
102	MP5A	Mx	-.047	1
103	MP5A	X	93.792	5
104	MP5A	Z	54.151	5
105	MP5A	Mx	-.047	5
106	MP5B	X	103.621	1
107	MP5B	Z	59.826	1
108	MP5B	Mx	0	1
109	MP5B	X	103.621	5
110	MP5B	Z	59.826	5
111	MP5B	Mx	0	5
112	MP5C	X	93.792	1
113	MP5C	Z	54.151	1
114	MP5C	Mx	.047	1
115	MP5C	X	93.792	5
116	MP5C	Z	54.151	5
117	MP5C	Mx	.047	5
118	LIGHT	X	26.456	.13
119	LIGHT	Z	15.275	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	13.455	4
2	MP3A	Z	23.305	4
3	MP3A	Mx	.007	4
4	MP3C	X	4.942	4
5	MP3C	Z	8.559	4
6	MP3C	Mx	-.005	4
7	MP3A	X	50.576	1.75
8	MP3A	Z	87.6	1.75
9	MP3A	Mx	.048	1.75
10	MP3A	X	50.576	5.75
11	MP3A	Z	87.6	5.75
12	MP3A	Mx	.048	5.75
13	MP3B	X	50.576	1.75
14	MP3B	Z	87.6	1.75
15	MP3B	Mx	-.098	1.75
16	MP3B	X	50.576	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
17	MP3B	Z	87.6	5.75
18	MP3B	Mx	-.098	5.75
19	MP3C	X	40.393	1.75
20	MP3C	Z	69.963	1.75
21	MP3C	Mx	.04	1.75
22	MP3C	X	40.393	5.75
23	MP3C	Z	69.963	5.75
24	MP3C	Mx	.04	5.75
25	MP3A	X	50.576	1.75
26	MP3A	Z	87.6	1.75
27	MP3A	Mx	-.098	1.75
28	MP3A	X	50.576	5.75
29	MP3A	Z	87.6	5.75
30	MP3A	Mx	-.098	5.75
31	MP3B	X	50.576	1.75
32	MP3B	Z	87.6	1.75
33	MP3B	Mx	.048	1.75
34	MP3B	X	50.576	5.75
35	MP3B	Z	87.6	5.75
36	MP3B	Mx	.048	5.75
37	MP3C	X	40.393	1.75
38	MP3C	Z	69.963	1.75
39	MP3C	Mx	.04	1.75
40	MP3C	X	40.393	5.75
41	MP3C	Z	69.963	5.75
42	MP3C	Mx	.04	5.75
43	MP4A	X	27.813	1.33
44	MP4A	Z	48.173	1.33
45	MP4A	Mx	-.014	1.33
46	MP4A	X	27.813	3.33
47	MP4A	Z	48.173	3.33
48	MP4A	Mx	-.014	3.33
49	MP4B	X	27.813	1.33
50	MP4B	Z	48.173	1.33
51	MP4B	Mx	-.014	1.33
52	MP4B	X	27.813	3.33
53	MP4B	Z	48.173	3.33
54	MP4B	Mx	-.014	3.33
55	MP4C	X	11.456	1.33
56	MP4C	Z	19.842	1.33
57	MP4C	Mx	.011	1.33
58	MP4C	X	11.456	3.33
59	MP4C	Z	19.842	3.33
60	MP4C	Mx	.011	3.33
61	OVP	X	53.801	1.5
62	OVP	Z	93.185	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	24.142	2
65	MP3A	Z	41.816	2
66	MP3A	Mx	.012	2
67	MP3B	X	24.142	2
68	MP3B	Z	41.816	2
69	MP3B	Mx	.012	2
70	MP3C	X	17.651	2
71	MP3C	Z	30.572	2
72	MP3C	Mx	-.018	2
73	MP2A	X	23.336	2
74	MP2A	Z	40.42	2
75	MP2A	Mx	.012	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
76	MP2B	X	23.336	2
77	MP2B	Z	40.42	2
78	MP2B	Mx	.012	2
79	MP2C	X	14.426	2
80	MP2C	Z	24.987	2
81	MP2C	Mx	-.014	2
82	MP1A	X	57.934	1
83	MP1A	Z	100.345	1
84	MP1A	Mx	-.029	1
85	MP1A	X	57.934	5
86	MP1A	Z	100.345	5
87	MP1A	Mx	-.029	5
88	MP1B	X	57.934	1
89	MP1B	Z	100.345	1
90	MP1B	Mx	-.029	1
91	MP1B	X	57.934	5
92	MP1B	Z	100.345	5
93	MP1B	Mx	-.029	5
94	MP1C	X	52.259	1
95	MP1C	Z	90.515	1
96	MP1C	Mx	.052	1
97	MP1C	X	52.259	5
98	MP1C	Z	90.515	5
99	MP1C	Mx	.052	5
100	MP5A	X	57.934	1
101	MP5A	Z	100.345	1
102	MP5A	Mx	-.029	1
103	MP5A	X	57.934	5
104	MP5A	Z	100.345	5
105	MP5A	Mx	-.029	5
106	MP5B	X	57.934	1
107	MP5B	Z	100.345	1
108	MP5B	Mx	-.029	1
109	MP5B	X	57.934	5
110	MP5B	Z	100.345	5
111	MP5B	Mx	-.029	5
112	MP5C	X	52.259	1
113	MP5C	Z	90.515	1
114	MP5C	Mx	.052	1
115	MP5C	X	52.259	5
116	MP5C	Z	90.515	5
117	MP5C	Mx	.052	5
118	LIGHT	X	16.972	.13
119	LIGHT	Z	29.396	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	0	4
2	MP3A	Z	32.586	4
3	MP3A	Mx	0	4
4	MP3C	X	0	4
5	MP3C	Z	15.559	4
6	MP3C	Mx	-.007	4
7	MP3A	X	0	1.75
8	MP3A	Z	107.941	1.75
9	MP3A	Mx	.09	1.75
10	MP3A	X	0	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
11	MP3A	Z	107.941	5.75
12	MP3A	Mx	.09	5.75
13	MP3B	X	0	1.75
14	MP3B	Z	87.575	1.75
15	MP3B	Mx	-.074	1.75
16	MP3B	X	0	5.75
17	MP3B	Z	87.575	5.75
18	MP3B	Mx	-.074	5.75
19	MP3C	X	0	1.75
20	MP3C	Z	87.575	1.75
21	MP3C	Mx	.001	1.75
22	MP3C	X	0	5.75
23	MP3C	Z	87.575	5.75
24	MP3C	Mx	.001	5.75
25	MP3A	X	0	1.75
26	MP3A	Z	107.941	1.75
27	MP3A	Mx	-.09	1.75
28	MP3A	X	0	5.75
29	MP3A	Z	107.941	5.75
30	MP3A	Mx	-.09	5.75
31	MP3B	X	0	1.75
32	MP3B	Z	87.575	1.75
33	MP3B	Mx	-.001	1.75
34	MP3B	X	0	5.75
35	MP3B	Z	87.575	5.75
36	MP3B	Mx	-.001	5.75
37	MP3C	X	0	1.75
38	MP3C	Z	87.575	1.75
39	MP3C	Mx	.074	1.75
40	MP3C	X	0	5.75
41	MP3C	Z	87.575	5.75
42	MP3C	Mx	.074	5.75
43	MP4A	X	0	1.33
44	MP4A	Z	66.53	1.33
45	MP4A	Mx	0	1.33
46	MP4A	X	0	3.33
47	MP4A	Z	66.53	3.33
48	MP4A	Mx	0	3.33
49	MP4B	X	0	1.33
50	MP4B	Z	33.816	1.33
51	MP4B	Mx	-.015	1.33
52	MP4B	X	0	3.33
53	MP4B	Z	33.816	3.33
54	MP4B	Mx	-.015	3.33
55	MP4C	X	0	1.33
56	MP4C	Z	33.816	1.33
57	MP4C	Mx	.015	1.33
58	MP4C	X	0	3.33
59	MP4C	Z	33.816	3.33
60	MP4C	Mx	.015	3.33
61	OVP	X	0	1.5
62	OVP	Z	101.152	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	0	2
65	MP3A	Z	52.613	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	39.629	2
69	MP3B	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
70	MP3C	X	0	2
71	MP3C	Z	39.629	2
72	MP3C	Mx	-.017	2
73	MP2A	X	0	2
74	MP2A	Z	52.613	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	34.792	2
78	MP2B	Mx	.015	2
79	MP2C	X	0	2
80	MP2C	Z	34.792	2
81	MP2C	Mx	-.015	2
82	MP1A	X	0	1
83	MP1A	Z	119.651	1
84	MP1A	Mx	0	1
85	MP1A	X	0	5
86	MP1A	Z	119.651	5
87	MP1A	Mx	0	5
88	MP1B	X	0	1
89	MP1B	Z	108.301	1
90	MP1B	Mx	-.047	1
91	MP1B	X	0	5
92	MP1B	Z	108.301	5
93	MP1B	Mx	-.047	5
94	MP1C	X	0	1
95	MP1C	Z	108.301	1
96	MP1C	Mx	.047	1
97	MP1C	X	0	5
98	MP1C	Z	108.301	5
99	MP1C	Mx	.047	5
100	MP5A	X	0	1
101	MP5A	Z	119.651	1
102	MP5A	Mx	0	1
103	MP5A	X	0	5
104	MP5A	Z	119.651	5
105	MP5A	Mx	0	5
106	MP5B	X	0	1
107	MP5B	Z	108.301	1
108	MP5B	Mx	-.047	1
109	MP5B	X	0	5
110	MP5B	Z	108.301	5
111	MP5B	Mx	-.047	5
112	MP5C	X	0	1
113	MP5C	Z	108.301	1
114	MP5C	Mx	.047	1
115	MP5C	X	0	5
116	MP5C	Z	108.301	5
117	MP5C	Mx	.047	5
118	LIGHT	X	0	.13
119	LIGHT	Z	30.549	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-13.455	4
2	MP3A	Z	23.305	4
3	MP3A	Mx	-.007	4
4	MP3C	X	-13.455	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
5	MP3C	Z	23.305	4
6	MP3C	Mx	-.007	4
7	MP3A	X	-50.576	1.75
8	MP3A	Z	87.6	1.75
9	MP3A	Mx	.098	1.75
10	MP3A	X	-50.576	5.75
11	MP3A	Z	87.6	5.75
12	MP3A	Mx	.098	5.75
13	MP3B	X	-40.393	1.75
14	MP3B	Z	69.963	1.75
15	MP3B	Mx	-.04	1.75
16	MP3B	X	-40.393	5.75
17	MP3B	Z	69.963	5.75
18	MP3B	Mx	-.04	5.75
19	MP3C	X	-50.576	1.75
20	MP3C	Z	87.6	1.75
21	MP3C	Mx	-.048	1.75
22	MP3C	X	-50.576	5.75
23	MP3C	Z	87.6	5.75
24	MP3C	Mx	-.048	5.75
25	MP3A	X	-50.576	1.75
26	MP3A	Z	87.6	1.75
27	MP3A	Mx	-.048	1.75
28	MP3A	X	-50.576	5.75
29	MP3A	Z	87.6	5.75
30	MP3A	Mx	-.048	5.75
31	MP3B	X	-40.393	1.75
32	MP3B	Z	69.963	1.75
33	MP3B	Mx	-.04	1.75
34	MP3B	X	-40.393	5.75
35	MP3B	Z	69.963	5.75
36	MP3B	Mx	-.04	5.75
37	MP3C	X	-50.576	1.75
38	MP3C	Z	87.6	1.75
39	MP3C	Mx	.098	1.75
40	MP3C	X	-50.576	5.75
41	MP3C	Z	87.6	5.75
42	MP3C	Mx	.098	5.75
43	MP4A	X	-27.813	1.33
44	MP4A	Z	48.173	1.33
45	MP4A	Mx	.014	1.33
46	MP4A	X	-27.813	3.33
47	MP4A	Z	48.173	3.33
48	MP4A	Mx	.014	3.33
49	MP4B	X	-11.456	1.33
50	MP4B	Z	19.842	1.33
51	MP4B	Mx	-.011	1.33
52	MP4B	X	-11.456	3.33
53	MP4B	Z	19.842	3.33
54	MP4B	Mx	-.011	3.33
55	MP4C	X	-27.813	1.33
56	MP4C	Z	48.173	1.33
57	MP4C	Mx	.014	1.33
58	MP4C	X	-27.813	3.33
59	MP4C	Z	48.173	3.33
60	MP4C	Mx	.014	3.33
61	OVP	X	-44.127	1.5
62	OVP	Z	76.43	1.5
63	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
64	MP3A	X	-24.142	2
65	MP3A	Z	41.816	2
66	MP3A	Mx	-.012	2
67	MP3B	X	-17.651	2
68	MP3B	Z	30.572	2
69	MP3B	Mx	.018	2
70	MP3C	X	-24.142	2
71	MP3C	Z	41.816	2
72	MP3C	Mx	-.012	2
73	MP2A	X	-23.336	2
74	MP2A	Z	40.42	2
75	MP2A	Mx	-.012	2
76	MP2B	X	-14.426	2
77	MP2B	Z	24.987	2
78	MP2B	Mx	.014	2
79	MP2C	X	-23.336	2
80	MP2C	Z	40.42	2
81	MP2C	Mx	-.012	2
82	MP1A	X	-57.934	1
83	MP1A	Z	100.345	1
84	MP1A	Mx	.029	1
85	MP1A	X	-57.934	5
86	MP1A	Z	100.345	5
87	MP1A	Mx	.029	5
88	MP1B	X	-52.259	1
89	MP1B	Z	90.515	1
90	MP1B	Mx	-.052	1
91	MP1B	X	-52.259	5
92	MP1B	Z	90.515	5
93	MP1B	Mx	-.052	5
94	MP1C	X	-57.934	1
95	MP1C	Z	100.345	1
96	MP1C	Mx	.029	1
97	MP1C	X	-57.934	5
98	MP1C	Z	100.345	5
99	MP1C	Mx	.029	5
100	MP5A	X	-57.934	1
101	MP5A	Z	100.345	1
102	MP5A	Mx	.029	1
103	MP5A	X	-57.934	5
104	MP5A	Z	100.345	5
105	MP5A	Mx	.029	5
106	MP5B	X	-52.259	1
107	MP5B	Z	90.515	1
108	MP5B	Mx	-.052	1
109	MP5B	X	-52.259	5
110	MP5B	Z	90.515	5
111	MP5B	Mx	-.052	5
112	MP5C	X	-57.934	1
113	MP5C	Z	100.345	1
114	MP5C	Mx	.029	1
115	MP5C	X	-57.934	5
116	MP5C	Z	100.345	5
117	MP5C	Mx	.029	5
118	LIGHT	X	-11.88	.13
119	LIGHT	Z	20.577	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	-13.475	4
2	MP3A	Z	7.78	4
3	MP3A	Mx	-.007	4
4	MP3C	X	-28.22	4
5	MP3C	Z	16.293	4
6	MP3C	Mx	0	4
7	MP3A	X	-75.842	1.75
8	MP3A	Z	43.787	1.75
9	MP3A	Mx	.074	1.75
10	MP3A	X	-75.842	5.75
11	MP3A	Z	43.787	5.75
12	MP3A	Mx	.074	5.75
13	MP3B	X	-75.842	1.75
14	MP3B	Z	43.787	1.75
15	MP3B	Mx	-.001	1.75
16	MP3B	X	-75.842	5.75
17	MP3B	Z	43.787	5.75
18	MP3B	Mx	-.001	5.75
19	MP3C	X	-93.479	1.75
20	MP3C	Z	53.97	1.75
21	MP3C	Mx	-.09	1.75
22	MP3C	X	-93.479	5.75
23	MP3C	Z	53.97	5.75
24	MP3C	Mx	-.09	5.75
25	MP3A	X	-75.842	1.75
26	MP3A	Z	43.787	1.75
27	MP3A	Mx	.001	1.75
28	MP3A	X	-75.842	5.75
29	MP3A	Z	43.787	5.75
30	MP3A	Mx	.001	5.75
31	MP3B	X	-75.842	1.75
32	MP3B	Z	43.787	1.75
33	MP3B	Mx	-.074	1.75
34	MP3B	X	-75.842	5.75
35	MP3B	Z	43.787	5.75
36	MP3B	Mx	-.074	5.75
37	MP3C	X	-93.479	1.75
38	MP3C	Z	53.97	1.75
39	MP3C	Mx	.09	1.75
40	MP3C	X	-93.479	5.75
41	MP3C	Z	53.97	5.75
42	MP3C	Mx	.09	5.75
43	MP4A	X	-29.286	1.33
44	MP4A	Z	16.908	1.33
45	MP4A	Mx	.015	1.33
46	MP4A	X	-29.286	3.33
47	MP4A	Z	16.908	3.33
48	MP4A	Mx	.015	3.33
49	MP4B	X	-29.286	1.33
50	MP4B	Z	16.908	1.33
51	MP4B	Mx	-.015	1.33
52	MP4B	X	-29.286	3.33
53	MP4B	Z	16.908	3.33
54	MP4B	Mx	-.015	3.33
55	MP4C	X	-57.616	1.33
56	MP4C	Z	33.265	1.33
57	MP4C	Mx	0	1.33
58	MP4C	X	-57.616	3.33
59	MP4C	Z	33.265	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
60	MP4C	Mx	0	3.33
61	OVP	X	-70.844	1.5
62	OVP	Z	40.902	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-34.32	2
65	MP3A	Z	19.815	2
66	MP3A	Mx	-.017	2
67	MP3B	X	-34.32	2
68	MP3B	Z	19.815	2
69	MP3B	Mx	.017	2
70	MP3C	X	-45.564	2
71	MP3C	Z	26.306	2
72	MP3C	Mx	0	2
73	MP2A	X	-30.131	2
74	MP2A	Z	17.396	2
75	MP2A	Mx	-.015	2
76	MP2B	X	-30.131	2
77	MP2B	Z	17.396	2
78	MP2B	Mx	.015	2
79	MP2C	X	-45.564	2
80	MP2C	Z	26.306	2
81	MP2C	Mx	0	2
82	MP1A	X	-93.792	1
83	MP1A	Z	54.151	1
84	MP1A	Mx	.047	1
85	MP1A	X	-93.792	5
86	MP1A	Z	54.151	5
87	MP1A	Mx	.047	5
88	MP1B	X	-93.792	1
89	MP1B	Z	54.151	1
90	MP1B	Mx	-.047	1
91	MP1B	X	-93.792	5
92	MP1B	Z	54.151	5
93	MP1B	Mx	-.047	5
94	MP1C	X	-103.621	1
95	MP1C	Z	59.826	1
96	MP1C	Mx	0	1
97	MP1C	X	-103.621	5
98	MP1C	Z	59.826	5
99	MP1C	Mx	0	5
100	MP5A	X	-93.792	1
101	MP5A	Z	54.151	1
102	MP5A	Mx	.047	1
103	MP5A	X	-93.792	5
104	MP5A	Z	54.151	5
105	MP5A	Mx	.047	5
106	MP5B	X	-93.792	1
107	MP5B	Z	54.151	1
108	MP5B	Mx	-.047	1
109	MP5B	X	-93.792	5
110	MP5B	Z	54.151	5
111	MP5B	Mx	-.047	5
112	MP5C	X	-103.621	1
113	MP5C	Z	59.826	1
114	MP5C	Mx	0	1
115	MP5C	X	-103.621	5
116	MP5C	Z	59.826	5
117	MP5C	Mx	0	5
118	LIGHT	X	-17.638	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
119	LIGHT	Z	10.183	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-9.883	4
2	MP3A	Z	0	4
3	MP3A	Mx	-.005	4
4	MP3C	X	-26.91	4
5	MP3C	Z	0	4
6	MP3C	Mx	.007	4
7	MP3A	X	-80.786	1.75
8	MP3A	Z	0	1.75
9	MP3A	Mx	.04	1.75
10	MP3A	X	-80.786	5.75
11	MP3A	Z	0	5.75
12	MP3A	Mx	.04	5.75
13	MP3B	X	-101.152	1.75
14	MP3B	Z	0	1.75
15	MP3B	Mx	.048	1.75
16	MP3B	X	-101.152	5.75
17	MP3B	Z	0	5.75
18	MP3B	Mx	.048	5.75
19	MP3C	X	-101.152	1.75
20	MP3C	Z	0	1.75
21	MP3C	Mx	-.098	1.75
22	MP3C	X	-101.152	5.75
23	MP3C	Z	0	5.75
24	MP3C	Mx	-.098	5.75
25	MP3A	X	-80.786	1.75
26	MP3A	Z	0	1.75
27	MP3A	Mx	.04	1.75
28	MP3A	X	-80.786	5.75
29	MP3A	Z	0	5.75
30	MP3A	Mx	.04	5.75
31	MP3B	X	-101.152	1.75
32	MP3B	Z	0	1.75
33	MP3B	Mx	-.098	1.75
34	MP3B	X	-101.152	5.75
35	MP3B	Z	0	5.75
36	MP3B	Mx	-.098	5.75
37	MP3C	X	-101.152	1.75
38	MP3C	Z	0	1.75
39	MP3C	Mx	.048	1.75
40	MP3C	X	-101.152	5.75
41	MP3C	Z	0	5.75
42	MP3C	Mx	.048	5.75
43	MP4A	X	-22.912	1.33
44	MP4A	Z	0	1.33
45	MP4A	Mx	.011	1.33
46	MP4A	X	-22.912	3.33
47	MP4A	Z	0	3.33
48	MP4A	Mx	.011	3.33
49	MP4B	X	-55.625	1.33
50	MP4B	Z	0	1.33
51	MP4B	Mx	-.014	1.33
52	MP4B	X	-55.625	3.33
53	MP4B	Z	0	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
54	MP4B	Mx	-.014	3.33
55	MP4C	X	-55.625	1.33
56	MP4C	Z	0	1.33
57	MP4C	Mx	-.014	1.33
58	MP4C	X	-55.625	3.33
59	MP4C	Z	0	3.33
60	MP4C	Mx	-.014	3.33
61	OVP	X	-88.253	1.5
62	OVP	Z	0	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-35.301	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.018	2
67	MP3B	X	-48.285	2
68	MP3B	Z	0	2
69	MP3B	Mx	.012	2
70	MP3C	X	-48.285	2
71	MP3C	Z	0	2
72	MP3C	Mx	.012	2
73	MP2A	X	-28.852	2
74	MP2A	Z	0	2
75	MP2A	Mx	-.014	2
76	MP2B	X	-46.672	2
77	MP2B	Z	0	2
78	MP2B	Mx	.012	2
79	MP2C	X	-46.672	2
80	MP2C	Z	0	2
81	MP2C	Mx	.012	2
82	MP1A	X	-104.518	1
83	MP1A	Z	0	1
84	MP1A	Mx	.052	1
85	MP1A	X	-104.518	5
86	MP1A	Z	0	5
87	MP1A	Mx	.052	5
88	MP1B	X	-115.868	1
89	MP1B	Z	0	1
90	MP1B	Mx	-.029	1
91	MP1B	X	-115.868	5
92	MP1B	Z	0	5
93	MP1B	Mx	-.029	5
94	MP1C	X	-115.868	1
95	MP1C	Z	0	1
96	MP1C	Mx	-.029	1
97	MP1C	X	-115.868	5
98	MP1C	Z	0	5
99	MP1C	Mx	-.029	5
100	MP5A	X	-104.518	1
101	MP5A	Z	0	1
102	MP5A	Mx	.052	1
103	MP5A	X	-104.518	5
104	MP5A	Z	0	5
105	MP5A	Mx	.052	5
106	MP5B	X	-115.868	1
107	MP5B	Z	0	1
108	MP5B	Mx	-.029	1
109	MP5B	X	-115.868	5
110	MP5B	Z	0	5
111	MP5B	Mx	-.029	5
112	MP5C	X	-115.868	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
113	MP5C	Z	0	1
114	MP5C	Mx	-.029	1
115	MP5C	X	-115.868	5
116	MP5C	Z	0	5
117	MP5C	Mx	-.029	5
118	LIGHT	X	-23.761	.13
119	LIGHT	Z	0	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-13.475	4
2	MP3A	Z	-7.78	4
3	MP3A	Mx	-.007	4
4	MP3C	X	-13.475	4
5	MP3C	Z	-7.78	4
6	MP3C	Mx	.007	4
7	MP3A	X	-75.842	1.75
8	MP3A	Z	-43.787	1.75
9	MP3A	Mx	.001	1.75
10	MP3A	X	-75.842	5.75
11	MP3A	Z	-43.787	5.75
12	MP3A	Mx	.001	5.75
13	MP3B	X	-93.479	1.75
14	MP3B	Z	-53.97	1.75
15	MP3B	Mx	.09	1.75
16	MP3B	X	-93.479	5.75
17	MP3B	Z	-53.97	5.75
18	MP3B	Mx	.09	5.75
19	MP3C	X	-75.842	1.75
20	MP3C	Z	-43.787	1.75
21	MP3C	Mx	-.074	1.75
22	MP3C	X	-75.842	5.75
23	MP3C	Z	-43.787	5.75
24	MP3C	Mx	-.074	5.75
25	MP3A	X	-75.842	1.75
26	MP3A	Z	-43.787	1.75
27	MP3A	Mx	.074	1.75
28	MP3A	X	-75.842	5.75
29	MP3A	Z	-43.787	5.75
30	MP3A	Mx	.074	5.75
31	MP3B	X	-93.479	1.75
32	MP3B	Z	-53.97	1.75
33	MP3B	Mx	-.09	1.75
34	MP3B	X	-93.479	5.75
35	MP3B	Z	-53.97	5.75
36	MP3B	Mx	-.09	5.75
37	MP3C	X	-75.842	1.75
38	MP3C	Z	-43.787	1.75
39	MP3C	Mx	-.001	1.75
40	MP3C	X	-75.842	5.75
41	MP3C	Z	-43.787	5.75
42	MP3C	Mx	-.001	5.75
43	MP4A	X	-29.286	1.33
44	MP4A	Z	-16.908	1.33
45	MP4A	Mx	.015	1.33
46	MP4A	X	-29.286	3.33
47	MP4A	Z	-16.908	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP4A	Mx	.015	3.33
49	MP4B	X	-57.616	1.33
50	MP4B	Z	-33.265	1.33
51	MP4B	Mx	0	1.33
52	MP4B	X	-57.616	3.33
53	MP4B	Z	-33.265	3.33
54	MP4B	Mx	0	3.33
55	MP4C	X	-29.286	1.33
56	MP4C	Z	-16.908	1.33
57	MP4C	Mx	-.015	1.33
58	MP4C	X	-29.286	3.33
59	MP4C	Z	-16.908	3.33
60	MP4C	Mx	-.015	3.33
61	OVP	X	-87.6	1.5
62	OVP	Z	-50.576	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-34.32	2
65	MP3A	Z	-19.815	2
66	MP3A	Mx	-.017	2
67	MP3B	X	-45.564	2
68	MP3B	Z	-26.306	2
69	MP3B	Mx	0	2
70	MP3C	X	-34.32	2
71	MP3C	Z	-19.815	2
72	MP3C	Mx	.017	2
73	MP2A	X	-30.131	2
74	MP2A	Z	-17.396	2
75	MP2A	Mx	-.015	2
76	MP2B	X	-45.564	2
77	MP2B	Z	-26.306	2
78	MP2B	Mx	0	2
79	MP2C	X	-30.131	2
80	MP2C	Z	-17.396	2
81	MP2C	Mx	.015	2
82	MP1A	X	-93.792	1
83	MP1A	Z	-54.151	1
84	MP1A	Mx	.047	1
85	MP1A	X	-93.792	5
86	MP1A	Z	-54.151	5
87	MP1A	Mx	.047	5
88	MP1B	X	-103.621	1
89	MP1B	Z	-59.826	1
90	MP1B	Mx	0	1
91	MP1B	X	-103.621	5
92	MP1B	Z	-59.826	5
93	MP1B	Mx	0	5
94	MP1C	X	-93.792	1
95	MP1C	Z	-54.151	1
96	MP1C	Mx	-.047	1
97	MP1C	X	-93.792	5
98	MP1C	Z	-54.151	5
99	MP1C	Mx	-.047	5
100	MP5A	X	-93.792	1
101	MP5A	Z	-54.151	1
102	MP5A	Mx	.047	1
103	MP5A	X	-93.792	5
104	MP5A	Z	-54.151	5
105	MP5A	Mx	.047	5
106	MP5B	X	-103.621	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
107	MP5B	Z	-59.826	1
108	MP5B	Mx	0	1
109	MP5B	X	-103.621	5
110	MP5B	Z	-59.826	5
111	MP5B	Mx	0	5
112	MP5C	X	-93.792	1
113	MP5C	Z	-54.151	1
114	MP5C	Mx	-.047	1
115	MP5C	X	-93.792	5
116	MP5C	Z	-54.151	5
117	MP5C	Mx	-.047	5
118	LIGHT	X	-26.456	.13
119	LIGHT	Z	-15.275	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-13.455	4
2	MP3A	Z	-23.305	4
3	MP3A	Mx	-.007	4
4	MP3C	X	-4.942	4
5	MP3C	Z	-8.559	4
6	MP3C	Mx	.005	4
7	MP3A	X	-50.576	1.75
8	MP3A	Z	-87.6	1.75
9	MP3A	Mx	-.048	1.75
10	MP3A	X	-50.576	5.75
11	MP3A	Z	-87.6	5.75
12	MP3A	Mx	-.048	5.75
13	MP3B	X	-50.576	1.75
14	MP3B	Z	-87.6	1.75
15	MP3B	Mx	.098	1.75
16	MP3B	X	-50.576	5.75
17	MP3B	Z	-87.6	5.75
18	MP3B	Mx	.098	5.75
19	MP3C	X	-40.393	1.75
20	MP3C	Z	-69.963	1.75
21	MP3C	Mx	-.04	1.75
22	MP3C	X	-40.393	5.75
23	MP3C	Z	-69.963	5.75
24	MP3C	Mx	-.04	5.75
25	MP3A	X	-50.576	1.75
26	MP3A	Z	-87.6	1.75
27	MP3A	Mx	.098	1.75
28	MP3A	X	-50.576	5.75
29	MP3A	Z	-87.6	5.75
30	MP3A	Mx	.098	5.75
31	MP3B	X	-50.576	1.75
32	MP3B	Z	-87.6	1.75
33	MP3B	Mx	-.048	1.75
34	MP3B	X	-50.576	5.75
35	MP3B	Z	-87.6	5.75
36	MP3B	Mx	-.048	5.75
37	MP3C	X	-40.393	1.75
38	MP3C	Z	-69.963	1.75
39	MP3C	Mx	-.04	1.75
40	MP3C	X	-40.393	5.75
41	MP3C	Z	-69.963	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
42	MP3C	Mx	-.04	5.75
43	MP4A	X	-27.813	1.33
44	MP4A	Z	-48.173	1.33
45	MP4A	Mx	.014	1.33
46	MP4A	X	-27.813	3.33
47	MP4A	Z	-48.173	3.33
48	MP4A	Mx	.014	3.33
49	MP4B	X	-27.813	1.33
50	MP4B	Z	-48.173	1.33
51	MP4B	Mx	.014	1.33
52	MP4B	X	-27.813	3.33
53	MP4B	Z	-48.173	3.33
54	MP4B	Mx	.014	3.33
55	MP4C	X	-11.456	1.33
56	MP4C	Z	-19.842	1.33
57	MP4C	Mx	-.011	1.33
58	MP4C	X	-11.456	3.33
59	MP4C	Z	-19.842	3.33
60	MP4C	Mx	-.011	3.33
61	OVP	X	-53.801	1.5
62	OVP	Z	-93.185	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-24.142	2
65	MP3A	Z	-41.816	2
66	MP3A	Mx	-.012	2
67	MP3B	X	-24.142	2
68	MP3B	Z	-41.816	2
69	MP3B	Mx	-.012	2
70	MP3C	X	-17.651	2
71	MP3C	Z	-30.572	2
72	MP3C	Mx	.018	2
73	MP2A	X	-23.336	2
74	MP2A	Z	-40.42	2
75	MP2A	Mx	-.012	2
76	MP2B	X	-23.336	2
77	MP2B	Z	-40.42	2
78	MP2B	Mx	-.012	2
79	MP2C	X	-14.426	2
80	MP2C	Z	-24.987	2
81	MP2C	Mx	.014	2
82	MP1A	X	-57.934	1
83	MP1A	Z	-100.345	1
84	MP1A	Mx	.029	1
85	MP1A	X	-57.934	5
86	MP1A	Z	-100.345	5
87	MP1A	Mx	.029	5
88	MP1B	X	-57.934	1
89	MP1B	Z	-100.345	1
90	MP1B	Mx	.029	1
91	MP1B	X	-57.934	5
92	MP1B	Z	-100.345	5
93	MP1B	Mx	.029	5
94	MP1C	X	-52.259	1
95	MP1C	Z	-90.515	1
96	MP1C	Mx	-.052	1
97	MP1C	X	-52.259	5
98	MP1C	Z	-90.515	5
99	MP1C	Mx	-.052	5
100	MP5A	X	-57.934	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
101	MP5A	Z	-100.345	1
102	MP5A	Mx	.029	1
103	MP5A	X	-57.934	5
104	MP5A	Z	-100.345	5
105	MP5A	Mx	.029	5
106	MP5B	X	-57.934	1
107	MP5B	Z	-100.345	1
108	MP5B	Mx	.029	1
109	MP5B	X	-57.934	5
110	MP5B	Z	-100.345	5
111	MP5B	Mx	.029	5
112	MP5C	X	-52.259	1
113	MP5C	Z	-90.515	1
114	MP5C	Mx	-.052	1
115	MP5C	X	-52.259	5
116	MP5C	Z	-90.515	5
117	MP5C	Mx	-.052	5
118	LIGHT	X	-16.972	.13
119	LIGHT	Z	-29.396	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	0	4
2	MP3A	Z	-7.249	4
3	MP3A	Mx	0	4
4	MP3C	X	0	4
5	MP3C	Z	-3.861	4
6	MP3C	Mx	.002	4
7	MP3A	X	0	1.75
8	MP3A	Z	-44.474	1.75
9	MP3A	Mx	-.037	1.75
10	MP3A	X	0	5.75
11	MP3A	Z	-44.474	5.75
12	MP3A	Mx	-.037	5.75
13	MP3B	X	0	1.75
14	MP3B	Z	-36.588	1.75
15	MP3B	Mx	.031	1.75
16	MP3B	X	0	5.75
17	MP3B	Z	-36.588	5.75
18	MP3B	Mx	.031	5.75
19	MP3C	X	0	1.75
20	MP3C	Z	-36.588	1.75
21	MP3C	Mx	-.000598	1.75
22	MP3C	X	0	5.75
23	MP3C	Z	-36.588	5.75
24	MP3C	Mx	-.000598	5.75
25	MP3A	X	0	1.75
26	MP3A	Z	-44.474	1.75
27	MP3A	Mx	.037	1.75
28	MP3A	X	0	5.75
29	MP3A	Z	-44.474	5.75
30	MP3A	Mx	.037	5.75
31	MP3B	X	0	1.75
32	MP3B	Z	-36.588	1.75
33	MP3B	Mx	.000598	1.75
34	MP3B	X	0	5.75
35	MP3B	Z	-36.588	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP3B	Mx	.000598	5.75
37	MP3C	X	0	1.75
38	MP3C	Z	-36.588	1.75
39	MP3C	Mx	-.031	1.75
40	MP3C	X	0	5.75
41	MP3C	Z	-36.588	5.75
42	MP3C	Mx	-.031	5.75
43	MP4A	X	0	1.33
44	MP4A	Z	-15.646	1.33
45	MP4A	Mx	0	1.33
46	MP4A	X	0	3.33
47	MP4A	Z	-15.646	3.33
48	MP4A	Mx	0	3.33
49	MP4B	X	0	1.33
50	MP4B	Z	-8.91	1.33
51	MP4B	Mx	.004	1.33
52	MP4B	X	0	3.33
53	MP4B	Z	-8.91	3.33
54	MP4B	Mx	.004	3.33
55	MP4C	X	0	1.33
56	MP4C	Z	-8.91	1.33
57	MP4C	Mx	-.004	1.33
58	MP4C	X	0	3.33
59	MP4C	Z	-8.91	3.33
60	MP4C	Mx	-.004	3.33
61	OVP	X	0	1.5
62	OVP	Z	-25.622	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	0	2
65	MP3A	Z	-13.187	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	-10.176	2
69	MP3B	Mx	-.004	2
70	MP3C	X	0	2
71	MP3C	Z	-10.176	2
72	MP3C	Mx	.004	2
73	MP2A	X	0	2
74	MP2A	Z	-13.187	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	-9.032	2
78	MP2B	Mx	-.004	2
79	MP2C	X	0	2
80	MP2C	Z	-9.032	2
81	MP2C	Mx	.004	2
82	MP1A	X	0	1
83	MP1A	Z	-23.096	1
84	MP1A	Mx	0	1
85	MP1A	X	0	5
86	MP1A	Z	-23.096	5
87	MP1A	Mx	0	5
88	MP1B	X	0	1
89	MP1B	Z	-21.21	1
90	MP1B	Mx	.009	1
91	MP1B	X	0	5
92	MP1B	Z	-21.21	5
93	MP1B	Mx	.009	5
94	MP1C	X	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
95	MP1C	Z	-21.21	1
96	MP1C	Mx	-.009	1
97	MP1C	X	0	5
98	MP1C	Z	-21.21	5
99	MP1C	Mx	-.009	5
100	MP5A	X	0	1
101	MP5A	Z	-23.096	1
102	MP5A	Mx	0	1
103	MP5A	X	0	5
104	MP5A	Z	-23.096	5
105	MP5A	Mx	0	5
106	MP5B	X	0	1
107	MP5B	Z	-21.21	1
108	MP5B	Mx	.009	1
109	MP5B	X	0	5
110	MP5B	Z	-21.21	5
111	MP5B	Mx	.009	5
112	MP5C	X	0	1
113	MP5C	Z	-21.21	1
114	MP5C	Mx	-.009	1
115	MP5C	X	0	5
116	MP5C	Z	-21.21	5
117	MP5C	Mx	-.009	5
118	LIGHT	X	0	.13
119	LIGHT	Z	-6.354	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	3.06	4
2	MP3A	Z	-5.3	4
3	MP3A	Mx	.002	4
4	MP3C	X	3.06	4
5	MP3C	Z	-5.3	4
6	MP3C	Mx	.002	4
7	MP3A	X	20.923	1.75
8	MP3A	Z	-36.239	1.75
9	MP3A	Mx	-.041	1.75
10	MP3A	X	20.923	5.75
11	MP3A	Z	-36.239	5.75
12	MP3A	Mx	-.041	5.75
13	MP3B	X	16.979	1.75
14	MP3B	Z	-29.409	1.75
15	MP3B	Mx	.017	1.75
16	MP3B	X	16.979	5.75
17	MP3B	Z	-29.409	5.75
18	MP3B	Mx	.017	5.75
19	MP3C	X	20.923	1.75
20	MP3C	Z	-36.239	1.75
21	MP3C	Mx	.02	1.75
22	MP3C	X	20.923	5.75
23	MP3C	Z	-36.239	5.75
24	MP3C	Mx	.02	5.75
25	MP3A	X	20.923	1.75
26	MP3A	Z	-36.239	1.75
27	MP3A	Mx	.02	1.75
28	MP3A	X	20.923	5.75
29	MP3A	Z	-36.239	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP3A	Mx	.02	5.75
31	MP3B	X	16.979	1.75
32	MP3B	Z	-29.409	1.75
33	MP3B	Mx	.017	1.75
34	MP3B	X	16.979	5.75
35	MP3B	Z	-29.409	5.75
36	MP3B	Mx	.017	5.75
37	MP3C	X	20.923	1.75
38	MP3C	Z	-36.239	1.75
39	MP3C	Mx	-.041	1.75
40	MP3C	X	20.923	5.75
41	MP3C	Z	-36.239	5.75
42	MP3C	Mx	-.041	5.75
43	MP4A	X	6.7	1.33
44	MP4A	Z	-11.605	1.33
45	MP4A	Mx	-.003	1.33
46	MP4A	X	6.7	3.33
47	MP4A	Z	-11.605	3.33
48	MP4A	Mx	-.003	3.33
49	MP4B	X	3.332	1.33
50	MP4B	Z	-5.772	1.33
51	MP4B	Mx	.003	1.33
52	MP4B	X	3.332	3.33
53	MP4B	Z	-5.772	3.33
54	MP4B	Mx	.003	3.33
55	MP4C	X	6.7	1.33
56	MP4C	Z	-11.605	1.33
57	MP4C	Mx	-.003	1.33
58	MP4C	X	6.7	3.33
59	MP4C	Z	-11.605	3.33
60	MP4C	Mx	-.003	3.33
61	OVP	X	11.334	1.5
62	OVP	Z	-19.631	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	6.092	2
65	MP3A	Z	-10.551	2
66	MP3A	Mx	.003	2
67	MP3B	X	4.586	2
68	MP3B	Z	-7.944	2
69	MP3B	Mx	-.005	2
70	MP3C	X	6.092	2
71	MP3C	Z	-10.551	2
72	MP3C	Mx	.003	2
73	MP2A	X	5.901	2
74	MP2A	Z	-10.221	2
75	MP2A	Mx	.003	2
76	MP2B	X	3.824	2
77	MP2B	Z	-6.623	2
78	MP2B	Mx	-.004	2
79	MP2C	X	5.901	2
80	MP2C	Z	-10.221	2
81	MP2C	Mx	.003	2
82	MP1A	X	11.234	1
83	MP1A	Z	-19.458	1
84	MP1A	Mx	-.006	1
85	MP1A	X	11.234	5
86	MP1A	Z	-19.458	5
87	MP1A	Mx	-.006	5
88	MP1B	X	10.291	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
89	MP1B	Z	-17.824	1
90	MP1B	Mx	.01	1
91	MP1B	X	10.291	5
92	MP1B	Z	-17.824	5
93	MP1B	Mx	.01	5
94	MP1C	X	11.234	1
95	MP1C	Z	-19.458	1
96	MP1C	Mx	-.006	1
97	MP1C	X	11.234	5
98	MP1C	Z	-19.458	5
99	MP1C	Mx	-.006	5
100	MP5A	X	11.234	1
101	MP5A	Z	-19.458	1
102	MP5A	Mx	-.006	1
103	MP5A	X	11.234	5
104	MP5A	Z	-19.458	5
105	MP5A	Mx	-.006	5
106	MP5B	X	10.291	1
107	MP5B	Z	-17.824	1
108	MP5B	Mx	.01	1
109	MP5B	X	10.291	5
110	MP5B	Z	-17.824	5
111	MP5B	Mx	.01	5
112	MP5C	X	11.234	1
113	MP5C	Z	-19.458	1
114	MP5C	Mx	-.006	1
115	MP5C	X	11.234	5
116	MP5C	Z	-19.458	5
117	MP5C	Mx	-.006	5
118	LIGHT	X	2.685	.13
119	LIGHT	Z	-4.651	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	3.344	4
2	MP3A	Z	-1.93	4
3	MP3A	Mx	.002	4
4	MP3C	X	6.278	4
5	MP3C	Z	-3.624	4
6	MP3C	Mx	0	4
7	MP3A	X	31.686	1.75
8	MP3A	Z	-18.294	1.75
9	MP3A	Mx	-.031	1.75
10	MP3A	X	31.686	5.75
11	MP3A	Z	-18.294	5.75
12	MP3A	Mx	-.031	5.75
13	MP3B	X	31.686	1.75
14	MP3B	Z	-18.294	1.75
15	MP3B	Mx	.000598	1.75
16	MP3B	X	31.686	5.75
17	MP3B	Z	-18.294	5.75
18	MP3B	Mx	.000598	5.75
19	MP3C	X	38.516	1.75
20	MP3C	Z	-22.237	1.75
21	MP3C	Mx	.037	1.75
22	MP3C	X	38.516	5.75
23	MP3C	Z	-22.237	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
24	MP3C	Mx	.037	5.75
25	MP3A	X	31.686	1.75
26	MP3A	Z	-18.294	1.75
27	MP3A	Mx	-.000598	1.75
28	MP3A	X	31.686	5.75
29	MP3A	Z	-18.294	5.75
30	MP3A	Mx	-.000598	5.75
31	MP3B	X	31.686	1.75
32	MP3B	Z	-18.294	1.75
33	MP3B	Mx	.031	1.75
34	MP3B	X	31.686	5.75
35	MP3B	Z	-18.294	5.75
36	MP3B	Mx	.031	5.75
37	MP3C	X	38.516	1.75
38	MP3C	Z	-22.237	1.75
39	MP3C	Mx	-.037	1.75
40	MP3C	X	38.516	5.75
41	MP3C	Z	-22.237	5.75
42	MP3C	Mx	-.037	5.75
43	MP4A	X	7.716	1.33
44	MP4A	Z	-4.455	1.33
45	MP4A	Mx	-.004	1.33
46	MP4A	X	7.716	3.33
47	MP4A	Z	-4.455	3.33
48	MP4A	Mx	-.004	3.33
49	MP4B	X	7.716	1.33
50	MP4B	Z	-4.455	1.33
51	MP4B	Mx	.004	1.33
52	MP4B	X	7.716	3.33
53	MP4B	Z	-4.455	3.33
54	MP4B	Mx	.004	3.33
55	MP4C	X	13.549	1.33
56	MP4C	Z	-7.823	1.33
57	MP4C	Mx	0	1.33
58	MP4C	X	13.549	3.33
59	MP4C	Z	-7.823	3.33
60	MP4C	Mx	0	3.33
61	OVP	X	18.352	1.5
62	OVP	Z	-10.596	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	8.813	2
65	MP3A	Z	-5.088	2
66	MP3A	Mx	.004	2
67	MP3B	X	8.813	2
68	MP3B	Z	-5.088	2
69	MP3B	Mx	-.004	2
70	MP3C	X	11.42	2
71	MP3C	Z	-6.593	2
72	MP3C	Mx	0	2
73	MP2A	X	7.822	2
74	MP2A	Z	-4.516	2
75	MP2A	Mx	.004	2
76	MP2B	X	7.822	2
77	MP2B	Z	-4.516	2
78	MP2B	Mx	-.004	2
79	MP2C	X	11.42	2
80	MP2C	Z	-6.593	2
81	MP2C	Mx	0	2
82	MP1A	X	18.368	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
83	MP1A	Z	-10.605	1
84	MP1A	Mx	-.009	1
85	MP1A	X	18.368	5
86	MP1A	Z	-10.605	5
87	MP1A	Mx	-.009	5
88	MP1B	X	18.368	1
89	MP1B	Z	-10.605	1
90	MP1B	Mx	.009	1
91	MP1B	X	18.368	5
92	MP1B	Z	-10.605	5
93	MP1B	Mx	.009	5
94	MP1C	X	20.002	1
95	MP1C	Z	-11.548	1
96	MP1C	Mx	0	1
97	MP1C	X	20.002	5
98	MP1C	Z	-11.548	5
99	MP1C	Mx	0	5
100	MP5A	X	18.368	1
101	MP5A	Z	-10.605	1
102	MP5A	Mx	-.009	1
103	MP5A	X	18.368	5
104	MP5A	Z	-10.605	5
105	MP5A	Mx	-.009	5
106	MP5B	X	18.368	1
107	MP5B	Z	-10.605	1
108	MP5B	Mx	.009	1
109	MP5B	X	18.368	5
110	MP5B	Z	-10.605	5
111	MP5B	Mx	.009	5
112	MP5C	X	20.002	1
113	MP5C	Z	-11.548	1
114	MP5C	Mx	0	1
115	MP5C	X	20.002	5
116	MP5C	Z	-11.548	5
117	MP5C	Mx	0	5
118	LIGHT	X	4.226	.13
119	LIGHT	Z	-2.44	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	2.731	4
2	MP3A	Z	0	4
3	MP3A	Mx	.001	4
4	MP3C	X	6.12	4
5	MP3C	Z	0	4
6	MP3C	Mx	-.002	4
7	MP3A	X	33.959	1.75
8	MP3A	Z	0	1.75
9	MP3A	Mx	-.017	1.75
10	MP3A	X	33.959	5.75
11	MP3A	Z	0	5.75
12	MP3A	Mx	-.017	5.75
13	MP3B	X	41.846	1.75
14	MP3B	Z	0	1.75
15	MP3B	Mx	-.02	1.75
16	MP3B	X	41.846	5.75
17	MP3B	Z	0	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP3B	Mx	-.02	5.75
19	MP3C	X	41.846	1.75
20	MP3C	Z	0	1.75
21	MP3C	Mx	.041	1.75
22	MP3C	X	41.846	5.75
23	MP3C	Z	0	5.75
24	MP3C	Mx	.041	5.75
25	MP3A	X	33.959	1.75
26	MP3A	Z	0	1.75
27	MP3A	Mx	-.017	1.75
28	MP3A	X	33.959	5.75
29	MP3A	Z	0	5.75
30	MP3A	Mx	-.017	5.75
31	MP3B	X	41.846	1.75
32	MP3B	Z	0	1.75
33	MP3B	Mx	.041	1.75
34	MP3B	X	41.846	5.75
35	MP3B	Z	0	5.75
36	MP3B	Mx	.041	5.75
37	MP3C	X	41.846	1.75
38	MP3C	Z	0	1.75
39	MP3C	Mx	-.02	1.75
40	MP3C	X	41.846	5.75
41	MP3C	Z	0	5.75
42	MP3C	Mx	-.02	5.75
43	MP4A	X	6.665	1.33
44	MP4A	Z	0	1.33
45	MP4A	Mx	-.003	1.33
46	MP4A	X	6.665	3.33
47	MP4A	Z	0	3.33
48	MP4A	Mx	-.003	3.33
49	MP4B	X	13.4	1.33
50	MP4B	Z	0	1.33
51	MP4B	Mx	.003	1.33
52	MP4B	X	13.4	3.33
53	MP4B	Z	0	3.33
54	MP4B	Mx	.003	3.33
55	MP4C	X	13.4	1.33
56	MP4C	Z	0	1.33
57	MP4C	Mx	.003	1.33
58	MP4C	X	13.4	3.33
59	MP4C	Z	0	3.33
60	MP4C	Mx	.003	3.33
61	OVP	X	22.668	1.5
62	OVP	Z	0	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	9.173	2
65	MP3A	Z	0	2
66	MP3A	Mx	.005	2
67	MP3B	X	12.183	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.003	2
70	MP3C	X	12.183	2
71	MP3C	Z	0	2
72	MP3C	Mx	-.003	2
73	MP2A	X	7.647	2
74	MP2A	Z	0	2
75	MP2A	Mx	.004	2
76	MP2B	X	11.802	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
77	MP2B	Z	0	2
78	MP2B	Mx	-.003	2
79	MP2C	X	11.802	2
80	MP2C	Z	0	2
81	MP2C	Mx	-.003	2
82	MP1A	X	20.581	1
83	MP1A	Z	0	1
84	MP1A	Mx	-.01	1
85	MP1A	X	20.581	5
86	MP1A	Z	0	5
87	MP1A	Mx	-.01	5
88	MP1B	X	22.468	1
89	MP1B	Z	0	1
90	MP1B	Mx	.006	1
91	MP1B	X	22.468	5
92	MP1B	Z	0	5
93	MP1B	Mx	.006	5
94	MP1C	X	22.468	1
95	MP1C	Z	0	1
96	MP1C	Mx	.006	1
97	MP1C	X	22.468	5
98	MP1C	Z	0	5
99	MP1C	Mx	.006	5
100	MP5A	X	20.581	1
101	MP5A	Z	0	1
102	MP5A	Mx	-.01	1
103	MP5A	X	20.581	5
104	MP5A	Z	0	5
105	MP5A	Mx	-.01	5
106	MP5B	X	22.468	1
107	MP5B	Z	0	1
108	MP5B	Mx	.006	1
109	MP5B	X	22.468	5
110	MP5B	Z	0	5
111	MP5B	Mx	.006	5
112	MP5C	X	22.468	1
113	MP5C	Z	0	1
114	MP5C	Mx	.006	1
115	MP5C	X	22.468	5
116	MP5C	Z	0	5
117	MP5C	Mx	.006	5
118	LIGHT	X	5.371	.13
119	LIGHT	Z	0	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	3.344	4
2	MP3A	Z	1.93	4
3	MP3A	Mx	.002	4
4	MP3C	X	3.344	4
5	MP3C	Z	1.93	4
6	MP3C	Mx	-.002	4
7	MP3A	X	31.686	1.75
8	MP3A	Z	18.294	1.75
9	MP3A	Mx	-.000598	1.75
10	MP3A	X	31.686	5.75
11	MP3A	Z	18.294	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3A	Mx	-.000598	5.75
13	MP3B	X	38.516	1.75
14	MP3B	Z	22.237	1.75
15	MP3B	Mx	-.037	1.75
16	MP3B	X	38.516	5.75
17	MP3B	Z	22.237	5.75
18	MP3B	Mx	-.037	5.75
19	MP3C	X	31.686	1.75
20	MP3C	Z	18.294	1.75
21	MP3C	Mx	.031	1.75
22	MP3C	X	31.686	5.75
23	MP3C	Z	18.294	5.75
24	MP3C	Mx	.031	5.75
25	MP3A	X	31.686	1.75
26	MP3A	Z	18.294	1.75
27	MP3A	Mx	-.031	1.75
28	MP3A	X	31.686	5.75
29	MP3A	Z	18.294	5.75
30	MP3A	Mx	-.031	5.75
31	MP3B	X	38.516	1.75
32	MP3B	Z	22.237	1.75
33	MP3B	Mx	.037	1.75
34	MP3B	X	38.516	5.75
35	MP3B	Z	22.237	5.75
36	MP3B	Mx	.037	5.75
37	MP3C	X	31.686	1.75
38	MP3C	Z	18.294	1.75
39	MP3C	Mx	.000598	1.75
40	MP3C	X	31.686	5.75
41	MP3C	Z	18.294	5.75
42	MP3C	Mx	.000598	5.75
43	MP4A	X	7.716	1.33
44	MP4A	Z	4.455	1.33
45	MP4A	Mx	-.004	1.33
46	MP4A	X	7.716	3.33
47	MP4A	Z	4.455	3.33
48	MP4A	Mx	-.004	3.33
49	MP4B	X	13.549	1.33
50	MP4B	Z	7.823	1.33
51	MP4B	Mx	0	1.33
52	MP4B	X	13.549	3.33
53	MP4B	Z	7.823	3.33
54	MP4B	Mx	0	3.33
55	MP4C	X	7.716	1.33
56	MP4C	Z	4.455	1.33
57	MP4C	Mx	.004	1.33
58	MP4C	X	7.716	3.33
59	MP4C	Z	4.455	3.33
60	MP4C	Mx	.004	3.33
61	OVP	X	22.189	1.5
62	OVP	Z	12.811	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	8.813	2
65	MP3A	Z	5.088	2
66	MP3A	Mx	.004	2
67	MP3B	X	11.42	2
68	MP3B	Z	6.593	2
69	MP3B	Mx	0	2
70	MP3C	X	8.813	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
71	MP3C	Z	5.088	2
72	MP3C	Mx	-.004	2
73	MP2A	X	7.822	2
74	MP2A	Z	4.516	2
75	MP2A	Mx	.004	2
76	MP2B	X	11.42	2
77	MP2B	Z	6.593	2
78	MP2B	Mx	0	2
79	MP2C	X	7.822	2
80	MP2C	Z	4.516	2
81	MP2C	Mx	-.004	2
82	MP1A	X	18.368	1
83	MP1A	Z	10.605	1
84	MP1A	Mx	-.009	1
85	MP1A	X	18.368	5
86	MP1A	Z	10.605	5
87	MP1A	Mx	-.009	5
88	MP1B	X	20.002	1
89	MP1B	Z	11.548	1
90	MP1B	Mx	0	1
91	MP1B	X	20.002	5
92	MP1B	Z	11.548	5
93	MP1B	Mx	0	5
94	MP1C	X	18.368	1
95	MP1C	Z	10.605	1
96	MP1C	Mx	.009	1
97	MP1C	X	18.368	5
98	MP1C	Z	10.605	5
99	MP1C	Mx	.009	5
100	MP5A	X	18.368	1
101	MP5A	Z	10.605	1
102	MP5A	Mx	-.009	1
103	MP5A	X	18.368	5
104	MP5A	Z	10.605	5
105	MP5A	Mx	-.009	5
106	MP5B	X	20.002	1
107	MP5B	Z	11.548	1
108	MP5B	Mx	0	1
109	MP5B	X	20.002	5
110	MP5B	Z	11.548	5
111	MP5B	Mx	0	5
112	MP5C	X	18.368	1
113	MP5C	Z	10.605	1
114	MP5C	Mx	.009	1
115	MP5C	X	18.368	5
116	MP5C	Z	10.605	5
117	MP5C	Mx	.009	5
118	LIGHT	X	5.503	.13
119	LIGHT	Z	3.177	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	3.06	4
2	MP3A	Z	5.3	4
3	MP3A	Mx	.002	4
4	MP3C	X	1.366	4
5	MP3C	Z	2.365	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP3C	Mx	-.001	4
7	MP3A	X	20.923	1.75
8	MP3A	Z	36.239	1.75
9	MP3A	Mx	.02	1.75
10	MP3A	X	20.923	5.75
11	MP3A	Z	36.239	5.75
12	MP3A	Mx	.02	5.75
13	MP3B	X	20.923	1.75
14	MP3B	Z	36.239	1.75
15	MP3B	Mx	-.041	1.75
16	MP3B	X	20.923	5.75
17	MP3B	Z	36.239	5.75
18	MP3B	Mx	-.041	5.75
19	MP3C	X	16.979	1.75
20	MP3C	Z	29.409	1.75
21	MP3C	Mx	.017	1.75
22	MP3C	X	16.979	5.75
23	MP3C	Z	29.409	5.75
24	MP3C	Mx	.017	5.75
25	MP3A	X	20.923	1.75
26	MP3A	Z	36.239	1.75
27	MP3A	Mx	-.041	1.75
28	MP3A	X	20.923	5.75
29	MP3A	Z	36.239	5.75
30	MP3A	Mx	-.041	5.75
31	MP3B	X	20.923	1.75
32	MP3B	Z	36.239	1.75
33	MP3B	Mx	.02	1.75
34	MP3B	X	20.923	5.75
35	MP3B	Z	36.239	5.75
36	MP3B	Mx	.02	5.75
37	MP3C	X	16.979	1.75
38	MP3C	Z	29.409	1.75
39	MP3C	Mx	.017	1.75
40	MP3C	X	16.979	5.75
41	MP3C	Z	29.409	5.75
42	MP3C	Mx	.017	5.75
43	MP4A	X	6.7	1.33
44	MP4A	Z	11.605	1.33
45	MP4A	Mx	-.003	1.33
46	MP4A	X	6.7	3.33
47	MP4A	Z	11.605	3.33
48	MP4A	Mx	-.003	3.33
49	MP4B	X	6.7	1.33
50	MP4B	Z	11.605	1.33
51	MP4B	Mx	-.003	1.33
52	MP4B	X	6.7	3.33
53	MP4B	Z	11.605	3.33
54	MP4B	Mx	-.003	3.33
55	MP4C	X	3.332	1.33
56	MP4C	Z	5.772	1.33
57	MP4C	Mx	.003	1.33
58	MP4C	X	3.332	3.33
59	MP4C	Z	5.772	3.33
60	MP4C	Mx	.003	3.33
61	OVP	X	13.55	1.5
62	OVP	Z	23.468	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	6.092	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
65	MP3A	Z	10.551	2
66	MP3A	Mx	.003	2
67	MP3B	X	6.092	2
68	MP3B	Z	10.551	2
69	MP3B	Mx	.003	2
70	MP3C	X	4.586	2
71	MP3C	Z	7.944	2
72	MP3C	Mx	-.005	2
73	MP2A	X	5.901	2
74	MP2A	Z	10.221	2
75	MP2A	Mx	.003	2
76	MP2B	X	5.901	2
77	MP2B	Z	10.221	2
78	MP2B	Mx	.003	2
79	MP2C	X	3.824	2
80	MP2C	Z	6.623	2
81	MP2C	Mx	-.004	2
82	MP1A	X	11.234	1
83	MP1A	Z	19.458	1
84	MP1A	Mx	-.006	1
85	MP1A	X	11.234	5
86	MP1A	Z	19.458	5
87	MP1A	Mx	-.006	5
88	MP1B	X	11.234	1
89	MP1B	Z	19.458	1
90	MP1B	Mx	-.006	1
91	MP1B	X	11.234	5
92	MP1B	Z	19.458	5
93	MP1B	Mx	-.006	5
94	MP1C	X	10.291	1
95	MP1C	Z	17.824	1
96	MP1C	Mx	.01	1
97	MP1C	X	10.291	5
98	MP1C	Z	17.824	5
99	MP1C	Mx	.01	5
100	MP5A	X	11.234	1
101	MP5A	Z	19.458	1
102	MP5A	Mx	-.006	1
103	MP5A	X	11.234	5
104	MP5A	Z	19.458	5
105	MP5A	Mx	-.006	5
106	MP5B	X	11.234	1
107	MP5B	Z	19.458	1
108	MP5B	Mx	-.006	1
109	MP5B	X	11.234	5
110	MP5B	Z	19.458	5
111	MP5B	Mx	-.006	5
112	MP5C	X	10.291	1
113	MP5C	Z	17.824	1
114	MP5C	Mx	.01	1
115	MP5C	X	10.291	5
116	MP5C	Z	17.824	5
117	MP5C	Mx	.01	5
118	LIGHT	X	3.423	.13
119	LIGHT	Z	5.928	.13
120	LIGHT	Mx	0	.13

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	4
2	MP3A	Z	7.249	4
3	MP3A	Mx	0	4
4	MP3C	X	0	4
5	MP3C	Z	3.861	4
6	MP3C	Mx	-.002	4
7	MP3A	X	0	1.75
8	MP3A	Z	44.474	1.75
9	MP3A	Mx	.037	1.75
10	MP3A	X	0	5.75
11	MP3A	Z	44.474	5.75
12	MP3A	Mx	.037	5.75
13	MP3B	X	0	1.75
14	MP3B	Z	36.588	1.75
15	MP3B	Mx	-.031	1.75
16	MP3B	X	0	5.75
17	MP3B	Z	36.588	5.75
18	MP3B	Mx	-.031	5.75
19	MP3C	X	0	1.75
20	MP3C	Z	36.588	1.75
21	MP3C	Mx	.000598	1.75
22	MP3C	X	0	5.75
23	MP3C	Z	36.588	5.75
24	MP3C	Mx	.000598	5.75
25	MP3A	X	0	1.75
26	MP3A	Z	44.474	1.75
27	MP3A	Mx	-.037	1.75
28	MP3A	X	0	5.75
29	MP3A	Z	44.474	5.75
30	MP3A	Mx	-.037	5.75
31	MP3B	X	0	1.75
32	MP3B	Z	36.588	1.75
33	MP3B	Mx	-.000598	1.75
34	MP3B	X	0	5.75
35	MP3B	Z	36.588	5.75
36	MP3B	Mx	-.000598	5.75
37	MP3C	X	0	1.75
38	MP3C	Z	36.588	1.75
39	MP3C	Mx	.031	1.75
40	MP3C	X	0	5.75
41	MP3C	Z	36.588	5.75
42	MP3C	Mx	.031	5.75
43	MP4A	X	0	1.33
44	MP4A	Z	15.646	1.33
45	MP4A	Mx	0	1.33
46	MP4A	X	0	3.33
47	MP4A	Z	15.646	3.33
48	MP4A	Mx	0	3.33
49	MP4B	X	0	1.33
50	MP4B	Z	8.91	1.33
51	MP4B	Mx	-.004	1.33
52	MP4B	X	0	3.33
53	MP4B	Z	8.91	3.33
54	MP4B	Mx	-.004	3.33
55	MP4C	X	0	1.33
56	MP4C	Z	8.91	1.33
57	MP4C	Mx	.004	1.33
58	MP4C	X	0	3.33
59	MP4C	Z	8.91	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
60	MP4C	Mx	.004	3.33
61	OVP	X	0	1.5
62	OVP	Z	25.622	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	0	2
65	MP3A	Z	13.187	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	10.176	2
69	MP3B	Mx	.004	2
70	MP3C	X	0	2
71	MP3C	Z	10.176	2
72	MP3C	Mx	-.004	2
73	MP2A	X	0	2
74	MP2A	Z	13.187	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	9.032	2
78	MP2B	Mx	.004	2
79	MP2C	X	0	2
80	MP2C	Z	9.032	2
81	MP2C	Mx	-.004	2
82	MP1A	X	0	1
83	MP1A	Z	23.096	1
84	MP1A	Mx	0	1
85	MP1A	X	0	5
86	MP1A	Z	23.096	5
87	MP1A	Mx	0	5
88	MP1B	X	0	1
89	MP1B	Z	21.21	1
90	MP1B	Mx	-.009	1
91	MP1B	X	0	5
92	MP1B	Z	21.21	5
93	MP1B	Mx	-.009	5
94	MP1C	X	0	1
95	MP1C	Z	21.21	1
96	MP1C	Mx	.009	1
97	MP1C	X	0	5
98	MP1C	Z	21.21	5
99	MP1C	Mx	.009	5
100	MP5A	X	0	1
101	MP5A	Z	23.096	1
102	MP5A	Mx	0	1
103	MP5A	X	0	5
104	MP5A	Z	23.096	5
105	MP5A	Mx	0	5
106	MP5B	X	0	1
107	MP5B	Z	21.21	1
108	MP5B	Mx	-.009	1
109	MP5B	X	0	5
110	MP5B	Z	21.21	5
111	MP5B	Mx	-.009	5
112	MP5C	X	0	1
113	MP5C	Z	21.21	1
114	MP5C	Mx	.009	1
115	MP5C	X	0	5
116	MP5C	Z	21.21	5
117	MP5C	Mx	.009	5
118	LIGHT	X	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
119	LIGHT	Z	6.354	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-3.06	4
2	MP3A	Z	5.3	4
3	MP3A	Mx	-.002	4
4	MP3C	X	-3.06	4
5	MP3C	Z	5.3	4
6	MP3C	Mx	-.002	4
7	MP3A	X	-20.923	1.75
8	MP3A	Z	36.239	1.75
9	MP3A	Mx	.041	1.75
10	MP3A	X	-20.923	5.75
11	MP3A	Z	36.239	5.75
12	MP3A	Mx	.041	5.75
13	MP3B	X	-16.979	1.75
14	MP3B	Z	29.409	1.75
15	MP3B	Mx	-.017	1.75
16	MP3B	X	-16.979	5.75
17	MP3B	Z	29.409	5.75
18	MP3B	Mx	-.017	5.75
19	MP3C	X	-20.923	1.75
20	MP3C	Z	36.239	1.75
21	MP3C	Mx	-.02	1.75
22	MP3C	X	-20.923	5.75
23	MP3C	Z	36.239	5.75
24	MP3C	Mx	-.02	5.75
25	MP3A	X	-20.923	1.75
26	MP3A	Z	36.239	1.75
27	MP3A	Mx	-.02	1.75
28	MP3A	X	-20.923	5.75
29	MP3A	Z	36.239	5.75
30	MP3A	Mx	-.02	5.75
31	MP3B	X	-16.979	1.75
32	MP3B	Z	29.409	1.75
33	MP3B	Mx	-.017	1.75
34	MP3B	X	-16.979	5.75
35	MP3B	Z	29.409	5.75
36	MP3B	Mx	-.017	5.75
37	MP3C	X	-20.923	1.75
38	MP3C	Z	36.239	1.75
39	MP3C	Mx	.041	1.75
40	MP3C	X	-20.923	5.75
41	MP3C	Z	36.239	5.75
42	MP3C	Mx	.041	5.75
43	MP4A	X	-6.7	1.33
44	MP4A	Z	11.605	1.33
45	MP4A	Mx	.003	1.33
46	MP4A	X	-6.7	3.33
47	MP4A	Z	11.605	3.33
48	MP4A	Mx	.003	3.33
49	MP4B	X	-3.332	1.33
50	MP4B	Z	5.772	1.33
51	MP4B	Mx	-.003	1.33
52	MP4B	X	-3.332	3.33
53	MP4B	Z	5.772	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
54	MP4B	Mx	-.003	3.33
55	MP4C	X	-6.7	1.33
56	MP4C	Z	11.605	1.33
57	MP4C	Mx	.003	1.33
58	MP4C	X	-6.7	3.33
59	MP4C	Z	11.605	3.33
60	MP4C	Mx	.003	3.33
61	OVP	X	-11.334	1.5
62	OVP	Z	19.631	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-6.092	2
65	MP3A	Z	10.551	2
66	MP3A	Mx	-.003	2
67	MP3B	X	-4.586	2
68	MP3B	Z	7.944	2
69	MP3B	Mx	.005	2
70	MP3C	X	-6.092	2
71	MP3C	Z	10.551	2
72	MP3C	Mx	-.003	2
73	MP2A	X	-5.901	2
74	MP2A	Z	10.221	2
75	MP2A	Mx	-.003	2
76	MP2B	X	-3.824	2
77	MP2B	Z	6.623	2
78	MP2B	Mx	.004	2
79	MP2C	X	-5.901	2
80	MP2C	Z	10.221	2
81	MP2C	Mx	-.003	2
82	MP1A	X	-11.234	1
83	MP1A	Z	19.458	1
84	MP1A	Mx	.006	1
85	MP1A	X	-11.234	5
86	MP1A	Z	19.458	5
87	MP1A	Mx	.006	5
88	MP1B	X	-10.291	1
89	MP1B	Z	17.824	1
90	MP1B	Mx	-.01	1
91	MP1B	X	-10.291	5
92	MP1B	Z	17.824	5
93	MP1B	Mx	-.01	5
94	MP1C	X	-11.234	1
95	MP1C	Z	19.458	1
96	MP1C	Mx	.006	1
97	MP1C	X	-11.234	5
98	MP1C	Z	19.458	5
99	MP1C	Mx	.006	5
100	MP5A	X	-11.234	1
101	MP5A	Z	19.458	1
102	MP5A	Mx	.006	1
103	MP5A	X	-11.234	5
104	MP5A	Z	19.458	5
105	MP5A	Mx	.006	5
106	MP5B	X	-10.291	1
107	MP5B	Z	17.824	1
108	MP5B	Mx	-.01	1
109	MP5B	X	-10.291	5
110	MP5B	Z	17.824	5
111	MP5B	Mx	-.01	5
112	MP5C	X	-11.234	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
113	MP5C	Z	19.458	1
114	MP5C	Mx	.006	1
115	MP5C	X	-11.234	5
116	MP5C	Z	19.458	5
117	MP5C	Mx	.006	5
118	LIGHT	X	-2.685	.13
119	LIGHT	Z	4.651	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-3.344	4
2	MP3A	Z	1.93	4
3	MP3A	Mx	-.002	4
4	MP3C	X	-6.278	4
5	MP3C	Z	3.624	4
6	MP3C	Mx	0	4
7	MP3A	X	-31.686	1.75
8	MP3A	Z	18.294	1.75
9	MP3A	Mx	.031	1.75
10	MP3A	X	-31.686	5.75
11	MP3A	Z	18.294	5.75
12	MP3A	Mx	.031	5.75
13	MP3B	X	-31.686	1.75
14	MP3B	Z	18.294	1.75
15	MP3B	Mx	-.000598	1.75
16	MP3B	X	-31.686	5.75
17	MP3B	Z	18.294	5.75
18	MP3B	Mx	-.000598	5.75
19	MP3C	X	-38.516	1.75
20	MP3C	Z	22.237	1.75
21	MP3C	Mx	-.037	1.75
22	MP3C	X	-38.516	5.75
23	MP3C	Z	22.237	5.75
24	MP3C	Mx	-.037	5.75
25	MP3A	X	-31.686	1.75
26	MP3A	Z	18.294	1.75
27	MP3A	Mx	.000598	1.75
28	MP3A	X	-31.686	5.75
29	MP3A	Z	18.294	5.75
30	MP3A	Mx	.000598	5.75
31	MP3B	X	-31.686	1.75
32	MP3B	Z	18.294	1.75
33	MP3B	Mx	-.031	1.75
34	MP3B	X	-31.686	5.75
35	MP3B	Z	18.294	5.75
36	MP3B	Mx	-.031	5.75
37	MP3C	X	-38.516	1.75
38	MP3C	Z	22.237	1.75
39	MP3C	Mx	.037	1.75
40	MP3C	X	-38.516	5.75
41	MP3C	Z	22.237	5.75
42	MP3C	Mx	.037	5.75
43	MP4A	X	-7.716	1.33
44	MP4A	Z	4.455	1.33
45	MP4A	Mx	.004	1.33
46	MP4A	X	-7.716	3.33
47	MP4A	Z	4.455	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP4A	Mx	.004	3.33
49	MP4B	X	-7.716	1.33
50	MP4B	Z	4.455	1.33
51	MP4B	Mx	-.004	1.33
52	MP4B	X	-7.716	3.33
53	MP4B	Z	4.455	3.33
54	MP4B	Mx	-.004	3.33
55	MP4C	X	-13.549	1.33
56	MP4C	Z	7.823	1.33
57	MP4C	Mx	0	1.33
58	MP4C	X	-13.549	3.33
59	MP4C	Z	7.823	3.33
60	MP4C	Mx	0	3.33
61	OVP	X	-18.352	1.5
62	OVP	Z	10.596	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-8.813	2
65	MP3A	Z	5.088	2
66	MP3A	Mx	-.004	2
67	MP3B	X	-8.813	2
68	MP3B	Z	5.088	2
69	MP3B	Mx	.004	2
70	MP3C	X	-11.42	2
71	MP3C	Z	6.593	2
72	MP3C	Mx	0	2
73	MP2A	X	-7.822	2
74	MP2A	Z	4.516	2
75	MP2A	Mx	-.004	2
76	MP2B	X	-7.822	2
77	MP2B	Z	4.516	2
78	MP2B	Mx	.004	2
79	MP2C	X	-11.42	2
80	MP2C	Z	6.593	2
81	MP2C	Mx	0	2
82	MP1A	X	-18.368	1
83	MP1A	Z	10.605	1
84	MP1A	Mx	.009	1
85	MP1A	X	-18.368	5
86	MP1A	Z	10.605	5
87	MP1A	Mx	.009	5
88	MP1B	X	-18.368	1
89	MP1B	Z	10.605	1
90	MP1B	Mx	-.009	1
91	MP1B	X	-18.368	5
92	MP1B	Z	10.605	5
93	MP1B	Mx	-.009	5
94	MP1C	X	-20.002	1
95	MP1C	Z	11.548	1
96	MP1C	Mx	0	1
97	MP1C	X	-20.002	5
98	MP1C	Z	11.548	5
99	MP1C	Mx	0	5
100	MP5A	X	-18.368	1
101	MP5A	Z	10.605	1
102	MP5A	Mx	.009	1
103	MP5A	X	-18.368	5
104	MP5A	Z	10.605	5
105	MP5A	Mx	.009	5
106	MP5B	X	-18.368	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
107	MP5B	Z	10.605	1
108	MP5B	Mx	-.009	1
109	MP5B	X	-18.368	5
110	MP5B	Z	10.605	5
111	MP5B	Mx	-.009	5
112	MP5C	X	-20.002	1
113	MP5C	Z	11.548	1
114	MP5C	Mx	0	1
115	MP5C	X	-20.002	5
116	MP5C	Z	11.548	5
117	MP5C	Mx	0	5
118	LIGHT	X	-4.226	.13
119	LIGHT	Z	2.44	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-2.731	4
2	MP3A	Z	0	4
3	MP3A	Mx	-.001	4
4	MP3C	X	-6.12	4
5	MP3C	Z	0	4
6	MP3C	Mx	.002	4
7	MP3A	X	-33.959	1.75
8	MP3A	Z	0	1.75
9	MP3A	Mx	.017	1.75
10	MP3A	X	-33.959	5.75
11	MP3A	Z	0	5.75
12	MP3A	Mx	.017	5.75
13	MP3B	X	-41.846	1.75
14	MP3B	Z	0	1.75
15	MP3B	Mx	.02	1.75
16	MP3B	X	-41.846	5.75
17	MP3B	Z	0	5.75
18	MP3B	Mx	.02	5.75
19	MP3C	X	-41.846	1.75
20	MP3C	Z	0	1.75
21	MP3C	Mx	-.041	1.75
22	MP3C	X	-41.846	5.75
23	MP3C	Z	0	5.75
24	MP3C	Mx	-.041	5.75
25	MP3A	X	-33.959	1.75
26	MP3A	Z	0	1.75
27	MP3A	Mx	.017	1.75
28	MP3A	X	-33.959	5.75
29	MP3A	Z	0	5.75
30	MP3A	Mx	.017	5.75
31	MP3B	X	-41.846	1.75
32	MP3B	Z	0	1.75
33	MP3B	Mx	-.041	1.75
34	MP3B	X	-41.846	5.75
35	MP3B	Z	0	5.75
36	MP3B	Mx	-.041	5.75
37	MP3C	X	-41.846	1.75
38	MP3C	Z	0	1.75
39	MP3C	Mx	.02	1.75
40	MP3C	X	-41.846	5.75
41	MP3C	Z	0	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
42	MP3C	Mx	.02	5.75
43	MP4A	X	-6.665	1.33
44	MP4A	Z	0	1.33
45	MP4A	Mx	.003	1.33
46	MP4A	X	-6.665	3.33
47	MP4A	Z	0	3.33
48	MP4A	Mx	.003	3.33
49	MP4B	X	-13.4	1.33
50	MP4B	Z	0	1.33
51	MP4B	Mx	-.003	1.33
52	MP4B	X	-13.4	3.33
53	MP4B	Z	0	3.33
54	MP4B	Mx	-.003	3.33
55	MP4C	X	-13.4	1.33
56	MP4C	Z	0	1.33
57	MP4C	Mx	-.003	1.33
58	MP4C	X	-13.4	3.33
59	MP4C	Z	0	3.33
60	MP4C	Mx	-.003	3.33
61	OVP	X	-22.668	1.5
62	OVP	Z	0	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-9.173	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.005	2
67	MP3B	X	-12.183	2
68	MP3B	Z	0	2
69	MP3B	Mx	.003	2
70	MP3C	X	-12.183	2
71	MP3C	Z	0	2
72	MP3C	Mx	.003	2
73	MP2A	X	-7.647	2
74	MP2A	Z	0	2
75	MP2A	Mx	-.004	2
76	MP2B	X	-11.802	2
77	MP2B	Z	0	2
78	MP2B	Mx	.003	2
79	MP2C	X	-11.802	2
80	MP2C	Z	0	2
81	MP2C	Mx	.003	2
82	MP1A	X	-20.581	1
83	MP1A	Z	0	1
84	MP1A	Mx	.01	1
85	MP1A	X	-20.581	5
86	MP1A	Z	0	5
87	MP1A	Mx	.01	5
88	MP1B	X	-22.468	1
89	MP1B	Z	0	1
90	MP1B	Mx	-.006	1
91	MP1B	X	-22.468	5
92	MP1B	Z	0	5
93	MP1B	Mx	-.006	5
94	MP1C	X	-22.468	1
95	MP1C	Z	0	1
96	MP1C	Mx	-.006	1
97	MP1C	X	-22.468	5
98	MP1C	Z	0	5
99	MP1C	Mx	-.006	5
100	MP5A	X	-20.581	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
101	MP5A	Z	0	1
102	MP5A	Mx	.01	1
103	MP5A	X	-20.581	5
104	MP5A	Z	0	5
105	MP5A	Mx	.01	5
106	MP5B	X	-22.468	1
107	MP5B	Z	0	1
108	MP5B	Mx	-.006	1
109	MP5B	X	-22.468	5
110	MP5B	Z	0	5
111	MP5B	Mx	-.006	5
112	MP5C	X	-22.468	1
113	MP5C	Z	0	1
114	MP5C	Mx	-.006	1
115	MP5C	X	-22.468	5
116	MP5C	Z	0	5
117	MP5C	Mx	-.006	5
118	LIGHT	X	-5.371	.13
119	LIGHT	Z	0	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-3.344	4
2	MP3A	Z	-1.93	4
3	MP3A	Mx	-.002	4
4	MP3C	X	-3.344	4
5	MP3C	Z	-1.93	4
6	MP3C	Mx	.002	4
7	MP3A	X	-31.686	1.75
8	MP3A	Z	-18.294	1.75
9	MP3A	Mx	.000598	1.75
10	MP3A	X	-31.686	5.75
11	MP3A	Z	-18.294	5.75
12	MP3A	Mx	.000598	5.75
13	MP3B	X	-38.516	1.75
14	MP3B	Z	-22.237	1.75
15	MP3B	Mx	.037	1.75
16	MP3B	X	-38.516	5.75
17	MP3B	Z	-22.237	5.75
18	MP3B	Mx	.037	5.75
19	MP3C	X	-31.686	1.75
20	MP3C	Z	-18.294	1.75
21	MP3C	Mx	-.031	1.75
22	MP3C	X	-31.686	5.75
23	MP3C	Z	-18.294	5.75
24	MP3C	Mx	-.031	5.75
25	MP3A	X	-31.686	1.75
26	MP3A	Z	-18.294	1.75
27	MP3A	Mx	.031	1.75
28	MP3A	X	-31.686	5.75
29	MP3A	Z	-18.294	5.75
30	MP3A	Mx	.031	5.75
31	MP3B	X	-38.516	1.75
32	MP3B	Z	-22.237	1.75
33	MP3B	Mx	-.037	1.75
34	MP3B	X	-38.516	5.75
35	MP3B	Z	-22.237	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP3B	Mx	-.037	5.75
37	MP3C	X	-31.686	1.75
38	MP3C	Z	-18.294	1.75
39	MP3C	Mx	-.000598	1.75
40	MP3C	X	-31.686	5.75
41	MP3C	Z	-18.294	5.75
42	MP3C	Mx	-.000598	5.75
43	MP4A	X	-7.716	1.33
44	MP4A	Z	-4.455	1.33
45	MP4A	Mx	.004	1.33
46	MP4A	X	-7.716	3.33
47	MP4A	Z	-4.455	3.33
48	MP4A	Mx	.004	3.33
49	MP4B	X	-13.549	1.33
50	MP4B	Z	-7.823	1.33
51	MP4B	Mx	0	1.33
52	MP4B	X	-13.549	3.33
53	MP4B	Z	-7.823	3.33
54	MP4B	Mx	0	3.33
55	MP4C	X	-7.716	1.33
56	MP4C	Z	-4.455	1.33
57	MP4C	Mx	-.004	1.33
58	MP4C	X	-7.716	3.33
59	MP4C	Z	-4.455	3.33
60	MP4C	Mx	-.004	3.33
61	OVP	X	-22.189	1.5
62	OVP	Z	-12.811	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-8.813	2
65	MP3A	Z	-5.088	2
66	MP3A	Mx	-.004	2
67	MP3B	X	-11.42	2
68	MP3B	Z	-6.593	2
69	MP3B	Mx	0	2
70	MP3C	X	-8.813	2
71	MP3C	Z	-5.088	2
72	MP3C	Mx	.004	2
73	MP2A	X	-7.822	2
74	MP2A	Z	-4.516	2
75	MP2A	Mx	-.004	2
76	MP2B	X	-11.42	2
77	MP2B	Z	-6.593	2
78	MP2B	Mx	0	2
79	MP2C	X	-7.822	2
80	MP2C	Z	-4.516	2
81	MP2C	Mx	.004	2
82	MP1A	X	-18.368	1
83	MP1A	Z	-10.605	1
84	MP1A	Mx	.009	1
85	MP1A	X	-18.368	5
86	MP1A	Z	-10.605	5
87	MP1A	Mx	.009	5
88	MP1B	X	-20.002	1
89	MP1B	Z	-11.548	1
90	MP1B	Mx	0	1
91	MP1B	X	-20.002	5
92	MP1B	Z	-11.548	5
93	MP1B	Mx	0	5
94	MP1C	X	-18.368	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
95	MP1C	Z	-10.605	1
96	MP1C	Mx	-.009	1
97	MP1C	X	-18.368	5
98	MP1C	Z	-10.605	5
99	MP1C	Mx	-.009	5
100	MP5A	X	-18.368	1
101	MP5A	Z	-10.605	1
102	MP5A	Mx	.009	1
103	MP5A	X	-18.368	5
104	MP5A	Z	-10.605	5
105	MP5A	Mx	.009	5
106	MP5B	X	-20.002	1
107	MP5B	Z	-11.548	1
108	MP5B	Mx	0	1
109	MP5B	X	-20.002	5
110	MP5B	Z	-11.548	5
111	MP5B	Mx	0	5
112	MP5C	X	-18.368	1
113	MP5C	Z	-10.605	1
114	MP5C	Mx	-.009	1
115	MP5C	X	-18.368	5
116	MP5C	Z	-10.605	5
117	MP5C	Mx	-.009	5
118	LIGHT	X	-5.503	.13
119	LIGHT	Z	-3.177	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-3.06	4
2	MP3A	Z	-5.3	4
3	MP3A	Mx	-.002	4
4	MP3C	X	-1.366	4
5	MP3C	Z	-2.365	4
6	MP3C	Mx	.001	4
7	MP3A	X	-20.923	1.75
8	MP3A	Z	-36.239	1.75
9	MP3A	Mx	-.02	1.75
10	MP3A	X	-20.923	5.75
11	MP3A	Z	-36.239	5.75
12	MP3A	Mx	-.02	5.75
13	MP3B	X	-20.923	1.75
14	MP3B	Z	-36.239	1.75
15	MP3B	Mx	.041	1.75
16	MP3B	X	-20.923	5.75
17	MP3B	Z	-36.239	5.75
18	MP3B	Mx	.041	5.75
19	MP3C	X	-16.979	1.75
20	MP3C	Z	-29.409	1.75
21	MP3C	Mx	-.017	1.75
22	MP3C	X	-16.979	5.75
23	MP3C	Z	-29.409	5.75
24	MP3C	Mx	-.017	5.75
25	MP3A	X	-20.923	1.75
26	MP3A	Z	-36.239	1.75
27	MP3A	Mx	.041	1.75
28	MP3A	X	-20.923	5.75
29	MP3A	Z	-36.239	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP3A	Mx	.041	5.75
31	MP3B	X	-20.923	1.75
32	MP3B	Z	-36.239	1.75
33	MP3B	Mx	-.02	1.75
34	MP3B	X	-20.923	5.75
35	MP3B	Z	-36.239	5.75
36	MP3B	Mx	-.02	5.75
37	MP3C	X	-16.979	1.75
38	MP3C	Z	-29.409	1.75
39	MP3C	Mx	-.017	1.75
40	MP3C	X	-16.979	5.75
41	MP3C	Z	-29.409	5.75
42	MP3C	Mx	-.017	5.75
43	MP4A	X	-6.7	1.33
44	MP4A	Z	-11.605	1.33
45	MP4A	Mx	.003	1.33
46	MP4A	X	-6.7	3.33
47	MP4A	Z	-11.605	3.33
48	MP4A	Mx	.003	3.33
49	MP4B	X	-6.7	1.33
50	MP4B	Z	-11.605	1.33
51	MP4B	Mx	.003	1.33
52	MP4B	X	-6.7	3.33
53	MP4B	Z	-11.605	3.33
54	MP4B	Mx	.003	3.33
55	MP4C	X	-3.332	1.33
56	MP4C	Z	-5.772	1.33
57	MP4C	Mx	-.003	1.33
58	MP4C	X	-3.332	3.33
59	MP4C	Z	-5.772	3.33
60	MP4C	Mx	-.003	3.33
61	OVP	X	-13.55	1.5
62	OVP	Z	-23.468	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-6.092	2
65	MP3A	Z	-10.551	2
66	MP3A	Mx	-.003	2
67	MP3B	X	-6.092	2
68	MP3B	Z	-10.551	2
69	MP3B	Mx	-.003	2
70	MP3C	X	-4.586	2
71	MP3C	Z	-7.944	2
72	MP3C	Mx	.005	2
73	MP2A	X	-5.901	2
74	MP2A	Z	-10.221	2
75	MP2A	Mx	-.003	2
76	MP2B	X	-5.901	2
77	MP2B	Z	-10.221	2
78	MP2B	Mx	-.003	2
79	MP2C	X	-3.824	2
80	MP2C	Z	-6.623	2
81	MP2C	Mx	.004	2
82	MP1A	X	-11.234	1
83	MP1A	Z	-19.458	1
84	MP1A	Mx	.006	1
85	MP1A	X	-11.234	5
86	MP1A	Z	-19.458	5
87	MP1A	Mx	.006	5
88	MP1B	X	-11.234	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
89	MP1B	Z	-19.458	1
90	MP1B	Mx	.006	1
91	MP1B	X	-11.234	5
92	MP1B	Z	-19.458	5
93	MP1B	Mx	.006	5
94	MP1C	X	-10.291	1
95	MP1C	Z	-17.824	1
96	MP1C	Mx	-.01	1
97	MP1C	X	-10.291	5
98	MP1C	Z	-17.824	5
99	MP1C	Mx	-.01	5
100	MP5A	X	-11.234	1
101	MP5A	Z	-19.458	1
102	MP5A	Mx	.006	1
103	MP5A	X	-11.234	5
104	MP5A	Z	-19.458	5
105	MP5A	Mx	.006	5
106	MP5B	X	-11.234	1
107	MP5B	Z	-19.458	1
108	MP5B	Mx	.006	1
109	MP5B	X	-11.234	5
110	MP5B	Z	-19.458	5
111	MP5B	Mx	.006	5
112	MP5C	X	-10.291	1
113	MP5C	Z	-17.824	1
114	MP5C	Mx	-.01	1
115	MP5C	X	-10.291	5
116	MP5C	Z	-17.824	5
117	MP5C	Mx	-.01	5
118	LIGHT	X	-3.423	.13
119	LIGHT	Z	-5.928	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	0	4
2	MP3A	Z	-2.037	4
3	MP3A	Mx	0	4
4	MP3C	X	0	4
5	MP3C	Z	-.972	4
6	MP3C	Mx	.000421	4
7	MP3A	X	0	1.75
8	MP3A	Z	-6.746	1.75
9	MP3A	Mx	-.006	1.75
10	MP3A	X	0	5.75
11	MP3A	Z	-6.746	5.75
12	MP3A	Mx	-.006	5.75
13	MP3B	X	0	1.75
14	MP3B	Z	-5.473	1.75
15	MP3B	Mx	.005	1.75
16	MP3B	X	0	5.75
17	MP3B	Z	-5.473	5.75
18	MP3B	Mx	.005	5.75
19	MP3C	X	0	1.75
20	MP3C	Z	-5.473	1.75
21	MP3C	Mx	-8.9e-5	1.75
22	MP3C	X	0	5.75
23	MP3C	Z	-5.473	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
24	MP3C	Mx	-8.9e-5	5.75
25	MP3A	X	0	1.75
26	MP3A	Z	-6.746	1.75
27	MP3A	Mx	.006	1.75
28	MP3A	X	0	5.75
29	MP3A	Z	-6.746	5.75
30	MP3A	Mx	.006	5.75
31	MP3B	X	0	1.75
32	MP3B	Z	-5.473	1.75
33	MP3B	Mx	8.9e-5	1.75
34	MP3B	X	0	5.75
35	MP3B	Z	-5.473	5.75
36	MP3B	Mx	8.9e-5	5.75
37	MP3C	X	0	1.75
38	MP3C	Z	-5.473	1.75
39	MP3C	Mx	-.005	1.75
40	MP3C	X	0	5.75
41	MP3C	Z	-5.473	5.75
42	MP3C	Mx	-.005	5.75
43	MP4A	X	0	1.33
44	MP4A	Z	-4.158	1.33
45	MP4A	Mx	0	1.33
46	MP4A	X	0	3.33
47	MP4A	Z	-4.158	3.33
48	MP4A	Mx	0	3.33
49	MP4B	X	0	1.33
50	MP4B	Z	-2.114	1.33
51	MP4B	Mx	.000915	1.33
52	MP4B	X	0	3.33
53	MP4B	Z	-2.114	3.33
54	MP4B	Mx	.000915	3.33
55	MP4C	X	0	1.33
56	MP4C	Z	-2.114	1.33
57	MP4C	Mx	-.000915	1.33
58	MP4C	X	0	3.33
59	MP4C	Z	-2.114	3.33
60	MP4C	Mx	-.000915	3.33
61	OVP	X	0	1.5
62	OVP	Z	-6.322	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	0	2
65	MP3A	Z	-3.288	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	-2.477	2
69	MP3B	Mx	-.001	2
70	MP3C	X	0	2
71	MP3C	Z	-2.477	2
72	MP3C	Mx	.001	2
73	MP2A	X	0	2
74	MP2A	Z	-3.288	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	-2.175	2
78	MP2B	Mx	-.000942	2
79	MP2C	X	0	2
80	MP2C	Z	-2.175	2
81	MP2C	Mx	.000942	2
82	MP1A	X	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
83	MP1A	Z	-7.478	1
84	MP1A	Mx	0	1
85	MP1A	X	0	5
86	MP1A	Z	-7.478	5
87	MP1A	Mx	0	5
88	MP1B	X	0	1
89	MP1B	Z	-6.769	1
90	MP1B	Mx	.003	1
91	MP1B	X	0	5
92	MP1B	Z	-6.769	5
93	MP1B	Mx	.003	5
94	MP1C	X	0	1
95	MP1C	Z	-6.769	1
96	MP1C	Mx	-.003	1
97	MP1C	X	0	5
98	MP1C	Z	-6.769	5
99	MP1C	Mx	-.003	5
100	MP5A	X	0	1
101	MP5A	Z	-7.478	1
102	MP5A	Mx	0	1
103	MP5A	X	0	5
104	MP5A	Z	-7.478	5
105	MP5A	Mx	0	5
106	MP5B	X	0	1
107	MP5B	Z	-6.769	1
108	MP5B	Mx	.003	1
109	MP5B	X	0	5
110	MP5B	Z	-6.769	5
111	MP5B	Mx	.003	5
112	MP5C	X	0	1
113	MP5C	Z	-6.769	1
114	MP5C	Mx	-.003	1
115	MP5C	X	0	5
116	MP5C	Z	-6.769	5
117	MP5C	Mx	-.003	5
118	LIGHT	X	0	.13
119	LIGHT	Z	-1.909	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	.841	4
2	MP3A	Z	-1.457	4
3	MP3A	Mx	.00042	4
4	MP3C	X	.841	4
5	MP3C	Z	-1.457	4
6	MP3C	Mx	.000421	4
7	MP3A	X	3.161	1.75
8	MP3A	Z	-5.475	1.75
9	MP3A	Mx	-.006	1.75
10	MP3A	X	3.161	5.75
11	MP3A	Z	-5.475	5.75
12	MP3A	Mx	-.006	5.75
13	MP3B	X	2.525	1.75
14	MP3B	Z	-4.373	1.75
15	MP3B	Mx	.003	1.75
16	MP3B	X	2.525	5.75
17	MP3B	Z	-4.373	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP3B	Mx	.003	5.75
19	MP3C	X	3.161	1.75
20	MP3C	Z	-5.475	1.75
21	MP3C	Mx	.003	1.75
22	MP3C	X	3.161	5.75
23	MP3C	Z	-5.475	5.75
24	MP3C	Mx	.003	5.75
25	MP3A	X	3.161	1.75
26	MP3A	Z	-5.475	1.75
27	MP3A	Mx	.003	1.75
28	MP3A	X	3.161	5.75
29	MP3A	Z	-5.475	5.75
30	MP3A	Mx	.003	5.75
31	MP3B	X	2.525	1.75
32	MP3B	Z	-4.373	1.75
33	MP3B	Mx	.003	1.75
34	MP3B	X	2.525	5.75
35	MP3B	Z	-4.373	5.75
36	MP3B	Mx	.003	5.75
37	MP3C	X	3.161	1.75
38	MP3C	Z	-5.475	1.75
39	MP3C	Mx	-.006	1.75
40	MP3C	X	3.161	5.75
41	MP3C	Z	-5.475	5.75
42	MP3C	Mx	-.006	5.75
43	MP4A	X	1.738	1.33
44	MP4A	Z	-3.011	1.33
45	MP4A	Mx	-.000869	1.33
46	MP4A	X	1.738	3.33
47	MP4A	Z	-3.011	3.33
48	MP4A	Mx	-.000869	3.33
49	MP4B	X	.716	1.33
50	MP4B	Z	-1.24	1.33
51	MP4B	Mx	.000716	1.33
52	MP4B	X	.716	3.33
53	MP4B	Z	-1.24	3.33
54	MP4B	Mx	.000716	3.33
55	MP4C	X	1.738	1.33
56	MP4C	Z	-3.011	1.33
57	MP4C	Mx	-.000869	1.33
58	MP4C	X	1.738	3.33
59	MP4C	Z	-3.011	3.33
60	MP4C	Mx	-.000869	3.33
61	OVP	X	2.758	1.5
62	OVP	Z	-4.777	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	1.509	2
65	MP3A	Z	-2.613	2
66	MP3A	Mx	.000754	2
67	MP3B	X	1.103	2
68	MP3B	Z	-1.911	2
69	MP3B	Mx	-.001	2
70	MP3C	X	1.509	2
71	MP3C	Z	-2.613	2
72	MP3C	Mx	.000754	2
73	MP2A	X	1.459	2
74	MP2A	Z	-2.526	2
75	MP2A	Mx	.00073	2
76	MP2B	X	.902	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
77	MP2B	Z	-1.562	2
78	MP2B	Mx	-.000902	2
79	MP2C	X	1.459	2
80	MP2C	Z	-2.526	2
81	MP2C	Mx	.000729	2
82	MP1A	X	3.621	1
83	MP1A	Z	-6.272	1
84	MP1A	Mx	-.002	1
85	MP1A	X	3.621	5
86	MP1A	Z	-6.272	5
87	MP1A	Mx	-.002	5
88	MP1B	X	3.266	1
89	MP1B	Z	-5.657	1
90	MP1B	Mx	.003	1
91	MP1B	X	3.266	5
92	MP1B	Z	-5.657	5
93	MP1B	Mx	.003	5
94	MP1C	X	3.621	1
95	MP1C	Z	-6.272	1
96	MP1C	Mx	-.002	1
97	MP1C	X	3.621	5
98	MP1C	Z	-6.272	5
99	MP1C	Mx	-.002	5
100	MP5A	X	3.621	1
101	MP5A	Z	-6.272	1
102	MP5A	Mx	-.002	1
103	MP5A	X	3.621	5
104	MP5A	Z	-6.272	5
105	MP5A	Mx	-.002	5
106	MP5B	X	3.266	1
107	MP5B	Z	-5.657	1
108	MP5B	Mx	.003	1
109	MP5B	X	3.266	5
110	MP5B	Z	-5.657	5
111	MP5B	Mx	.003	5
112	MP5C	X	3.621	1
113	MP5C	Z	-6.272	1
114	MP5C	Mx	-.002	1
115	MP5C	X	3.621	5
116	MP5C	Z	-6.272	5
117	MP5C	Mx	-.002	5
118	LIGHT	X	.743	.13
119	LIGHT	Z	-1.286	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	.842	4
2	MP3A	Z	-.486	4
3	MP3A	Mx	.000421	4
4	MP3C	X	1.764	4
5	MP3C	Z	-1.018	4
6	MP3C	Mx	0	4
7	MP3A	X	4.74	1.75
8	MP3A	Z	-2.737	1.75
9	MP3A	Mx	-.005	1.75
10	MP3A	X	4.74	5.75
11	MP3A	Z	-2.737	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3A	Mx	-.005	5.75
13	MP3B	X	4.74	1.75
14	MP3B	Z	-2.737	1.75
15	MP3B	Mx	9e-5	1.75
16	MP3B	X	4.74	5.75
17	MP3B	Z	-2.737	5.75
18	MP3B	Mx	9e-5	5.75
19	MP3C	X	5.842	1.75
20	MP3C	Z	-3.373	1.75
21	MP3C	Mx	.006	1.75
22	MP3C	X	5.842	5.75
23	MP3C	Z	-3.373	5.75
24	MP3C	Mx	.006	5.75
25	MP3A	X	4.74	1.75
26	MP3A	Z	-2.737	1.75
27	MP3A	Mx	-8.9e-5	1.75
28	MP3A	X	4.74	5.75
29	MP3A	Z	-2.737	5.75
30	MP3A	Mx	-8.9e-5	5.75
31	MP3B	X	4.74	1.75
32	MP3B	Z	-2.737	1.75
33	MP3B	Mx	.005	1.75
34	MP3B	X	4.74	5.75
35	MP3B	Z	-2.737	5.75
36	MP3B	Mx	.005	5.75
37	MP3C	X	5.842	1.75
38	MP3C	Z	-3.373	1.75
39	MP3C	Mx	-.006	1.75
40	MP3C	X	5.842	5.75
41	MP3C	Z	-3.373	5.75
42	MP3C	Mx	-.006	5.75
43	MP4A	X	1.83	1.33
44	MP4A	Z	-1.057	1.33
45	MP4A	Mx	-.000915	1.33
46	MP4A	X	1.83	3.33
47	MP4A	Z	-1.057	3.33
48	MP4A	Mx	-.000915	3.33
49	MP4B	X	1.83	1.33
50	MP4B	Z	-1.057	1.33
51	MP4B	Mx	.000915	1.33
52	MP4B	X	1.83	3.33
53	MP4B	Z	-1.057	3.33
54	MP4B	Mx	.000915	3.33
55	MP4C	X	3.601	1.33
56	MP4C	Z	-2.079	1.33
57	MP4C	Mx	0	1.33
58	MP4C	X	3.601	3.33
59	MP4C	Z	-2.079	3.33
60	MP4C	Mx	0	3.33
61	OVP	X	4.428	1.5
62	OVP	Z	-2.556	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	2.145	2
65	MP3A	Z	-1.238	2
66	MP3A	Mx	.001	2
67	MP3B	X	2.145	2
68	MP3B	Z	-1.238	2
69	MP3B	Mx	-.001	2
70	MP3C	X	2.848	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
71	MP3C	Z	-1.644	2
72	MP3C	Mx	0	2
73	MP2A	X	1.883	2
74	MP2A	Z	-1.087	2
75	MP2A	Mx	.000942	2
76	MP2B	X	1.883	2
77	MP2B	Z	-1.087	2
78	MP2B	Mx	-.000941	2
79	MP2C	X	2.848	2
80	MP2C	Z	-1.644	2
81	MP2C	Mx	0	2
82	MP1A	X	5.862	1
83	MP1A	Z	-3.384	1
84	MP1A	Mx	-.003	1
85	MP1A	X	5.862	5
86	MP1A	Z	-3.384	5
87	MP1A	Mx	-.003	5
88	MP1B	X	5.862	1
89	MP1B	Z	-3.384	1
90	MP1B	Mx	.003	1
91	MP1B	X	5.862	5
92	MP1B	Z	-3.384	5
93	MP1B	Mx	.003	5
94	MP1C	X	6.476	1
95	MP1C	Z	-3.739	1
96	MP1C	Mx	0	1
97	MP1C	X	6.476	5
98	MP1C	Z	-3.739	5
99	MP1C	Mx	0	5
100	MP5A	X	5.862	1
101	MP5A	Z	-3.384	1
102	MP5A	Mx	-.003	1
103	MP5A	X	5.862	5
104	MP5A	Z	-3.384	5
105	MP5A	Mx	-.003	5
106	MP5B	X	5.862	1
107	MP5B	Z	-3.384	1
108	MP5B	Mx	.003	1
109	MP5B	X	5.862	5
110	MP5B	Z	-3.384	5
111	MP5B	Mx	.003	5
112	MP5C	X	6.476	1
113	MP5C	Z	-3.739	1
114	MP5C	Mx	0	1
115	MP5C	X	6.476	5
116	MP5C	Z	-3.739	5
117	MP5C	Mx	0	5
118	LIGHT	X	1.102	.13
119	LIGHT	Z	-.636	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	.618	4
2	MP3A	Z	0	4
3	MP3A	Mx	.000309	4
4	MP3C	X	1.682	4
5	MP3C	Z	0	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP3C	Mx	-.00042	4
7	MP3A	X	5.049	1.75
8	MP3A	Z	0	1.75
9	MP3A	Mx	-.003	1.75
10	MP3A	X	5.049	5.75
11	MP3A	Z	0	5.75
12	MP3A	Mx	-.003	5.75
13	MP3B	X	6.322	1.75
14	MP3B	Z	0	1.75
15	MP3B	Mx	-.003	1.75
16	MP3B	X	6.322	5.75
17	MP3B	Z	0	5.75
18	MP3B	Mx	-.003	5.75
19	MP3C	X	6.322	1.75
20	MP3C	Z	0	1.75
21	MP3C	Mx	.006	1.75
22	MP3C	X	6.322	5.75
23	MP3C	Z	0	5.75
24	MP3C	Mx	.006	5.75
25	MP3A	X	5.049	1.75
26	MP3A	Z	0	1.75
27	MP3A	Mx	-.003	1.75
28	MP3A	X	5.049	5.75
29	MP3A	Z	0	5.75
30	MP3A	Mx	-.003	5.75
31	MP3B	X	6.322	1.75
32	MP3B	Z	0	1.75
33	MP3B	Mx	.006	1.75
34	MP3B	X	6.322	5.75
35	MP3B	Z	0	5.75
36	MP3B	Mx	.006	5.75
37	MP3C	X	6.322	1.75
38	MP3C	Z	0	1.75
39	MP3C	Mx	-.003	1.75
40	MP3C	X	6.322	5.75
41	MP3C	Z	0	5.75
42	MP3C	Mx	-.003	5.75
43	MP4A	X	1.432	1.33
44	MP4A	Z	0	1.33
45	MP4A	Mx	-.000716	1.33
46	MP4A	X	1.432	3.33
47	MP4A	Z	0	3.33
48	MP4A	Mx	-.000716	3.33
49	MP4B	X	3.477	1.33
50	MP4B	Z	0	1.33
51	MP4B	Mx	.000869	1.33
52	MP4B	X	3.477	3.33
53	MP4B	Z	0	3.33
54	MP4B	Mx	.000869	3.33
55	MP4C	X	3.477	1.33
56	MP4C	Z	0	1.33
57	MP4C	Mx	.000869	1.33
58	MP4C	X	3.477	3.33
59	MP4C	Z	0	3.33
60	MP4C	Mx	.000869	3.33
61	OVP	X	5.516	1.5
62	OVP	Z	0	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	2.206	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
65	MP3A	Z	0	2
66	MP3A	Mx	.001	2
67	MP3B	X	3.018	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.000754	2
70	MP3C	X	3.018	2
71	MP3C	Z	0	2
72	MP3C	Mx	-.000754	2
73	MP2A	X	1.803	2
74	MP2A	Z	0	2
75	MP2A	Mx	.000902	2
76	MP2B	X	2.917	2
77	MP2B	Z	0	2
78	MP2B	Mx	-.000729	2
79	MP2C	X	2.917	2
80	MP2C	Z	0	2
81	MP2C	Mx	-.000729	2
82	MP1A	X	6.532	1
83	MP1A	Z	0	1
84	MP1A	Mx	-.003	1
85	MP1A	X	6.532	5
86	MP1A	Z	0	5
87	MP1A	Mx	-.003	5
88	MP1B	X	7.242	1
89	MP1B	Z	0	1
90	MP1B	Mx	.002	1
91	MP1B	X	7.242	5
92	MP1B	Z	0	5
93	MP1B	Mx	.002	5
94	MP1C	X	7.242	1
95	MP1C	Z	0	1
96	MP1C	Mx	.002	1
97	MP1C	X	7.242	5
98	MP1C	Z	0	5
99	MP1C	Mx	.002	5
100	MP5A	X	6.532	1
101	MP5A	Z	0	1
102	MP5A	Mx	-.003	1
103	MP5A	X	6.532	5
104	MP5A	Z	0	5
105	MP5A	Mx	-.003	5
106	MP5B	X	7.242	1
107	MP5B	Z	0	1
108	MP5B	Mx	.002	1
109	MP5B	X	7.242	5
110	MP5B	Z	0	5
111	MP5B	Mx	.002	5
112	MP5C	X	7.242	1
113	MP5C	Z	0	1
114	MP5C	Mx	.002	1
115	MP5C	X	7.242	5
116	MP5C	Z	0	5
117	MP5C	Mx	.002	5
118	LIGHT	X	1.485	.13
119	LIGHT	Z	0	.13
120	LIGHT	Mx	0	.13

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	.842	4
2	MP3A	Z	.486	4
3	MP3A	Mx	.000421	4
4	MP3C	X	.842	4
5	MP3C	Z	.486	4
6	MP3C	Mx	-.000421	4
7	MP3A	X	4.74	1.75
8	MP3A	Z	2.737	1.75
9	MP3A	Mx	-8.9e-5	1.75
10	MP3A	X	4.74	5.75
11	MP3A	Z	2.737	5.75
12	MP3A	Mx	-8.9e-5	5.75
13	MP3B	X	5.842	1.75
14	MP3B	Z	3.373	1.75
15	MP3B	Mx	-.006	1.75
16	MP3B	X	5.842	5.75
17	MP3B	Z	3.373	5.75
18	MP3B	Mx	-.006	5.75
19	MP3C	X	4.74	1.75
20	MP3C	Z	2.737	1.75
21	MP3C	Mx	.005	1.75
22	MP3C	X	4.74	5.75
23	MP3C	Z	2.737	5.75
24	MP3C	Mx	.005	5.75
25	MP3A	X	4.74	1.75
26	MP3A	Z	2.737	1.75
27	MP3A	Mx	-.005	1.75
28	MP3A	X	4.74	5.75
29	MP3A	Z	2.737	5.75
30	MP3A	Mx	-.005	5.75
31	MP3B	X	5.842	1.75
32	MP3B	Z	3.373	1.75
33	MP3B	Mx	.006	1.75
34	MP3B	X	5.842	5.75
35	MP3B	Z	3.373	5.75
36	MP3B	Mx	.006	5.75
37	MP3C	X	4.74	1.75
38	MP3C	Z	2.737	1.75
39	MP3C	Mx	9e-5	1.75
40	MP3C	X	4.74	5.75
41	MP3C	Z	2.737	5.75
42	MP3C	Mx	9e-5	5.75
43	MP4A	X	1.83	1.33
44	MP4A	Z	1.057	1.33
45	MP4A	Mx	-.000915	1.33
46	MP4A	X	1.83	3.33
47	MP4A	Z	1.057	3.33
48	MP4A	Mx	-.000915	3.33
49	MP4B	X	3.601	1.33
50	MP4B	Z	2.079	1.33
51	MP4B	Mx	0	1.33
52	MP4B	X	3.601	3.33
53	MP4B	Z	2.079	3.33
54	MP4B	Mx	0	3.33
55	MP4C	X	1.83	1.33
56	MP4C	Z	1.057	1.33
57	MP4C	Mx	.000915	1.33
58	MP4C	X	1.83	3.33
59	MP4C	Z	1.057	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
60	MP4C	Mx	.000915	3.33
61	OVP	X	5.475	1.5
62	OVP	Z	3.161	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	2.145	2
65	MP3A	Z	1.238	2
66	MP3A	Mx	.001	2
67	MP3B	X	2.848	2
68	MP3B	Z	1.644	2
69	MP3B	Mx	0	2
70	MP3C	X	2.145	2
71	MP3C	Z	1.238	2
72	MP3C	Mx	-.001	2
73	MP2A	X	1.883	2
74	MP2A	Z	1.087	2
75	MP2A	Mx	.000942	2
76	MP2B	X	2.848	2
77	MP2B	Z	1.644	2
78	MP2B	Mx	0	2
79	MP2C	X	1.883	2
80	MP2C	Z	1.087	2
81	MP2C	Mx	-.000941	2
82	MP1A	X	5.862	1
83	MP1A	Z	3.384	1
84	MP1A	Mx	-.003	1
85	MP1A	X	5.862	5
86	MP1A	Z	3.384	5
87	MP1A	Mx	-.003	5
88	MP1B	X	6.476	1
89	MP1B	Z	3.739	1
90	MP1B	Mx	0	1
91	MP1B	X	6.476	5
92	MP1B	Z	3.739	5
93	MP1B	Mx	0	5
94	MP1C	X	5.862	1
95	MP1C	Z	3.384	1
96	MP1C	Mx	.003	1
97	MP1C	X	5.862	5
98	MP1C	Z	3.384	5
99	MP1C	Mx	.003	5
100	MP5A	X	5.862	1
101	MP5A	Z	3.384	1
102	MP5A	Mx	-.003	1
103	MP5A	X	5.862	5
104	MP5A	Z	3.384	5
105	MP5A	Mx	-.003	5
106	MP5B	X	6.476	1
107	MP5B	Z	3.739	1
108	MP5B	Mx	0	1
109	MP5B	X	6.476	5
110	MP5B	Z	3.739	5
111	MP5B	Mx	0	5
112	MP5C	X	5.862	1
113	MP5C	Z	3.384	1
114	MP5C	Mx	.003	1
115	MP5C	X	5.862	5
116	MP5C	Z	3.384	5
117	MP5C	Mx	.003	5
118	LIGHT	X	1.654	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
119	LIGHT	Z	.955	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	.841	4
2	MP3A	Z	1.457	4
3	MP3A	Mx	.00042	4
4	MP3C	X	.309	4
5	MP3C	Z	.535	4
6	MP3C	Mx	-.000309	4
7	MP3A	X	3.161	1.75
8	MP3A	Z	5.475	1.75
9	MP3A	Mx	.003	1.75
10	MP3A	X	3.161	5.75
11	MP3A	Z	5.475	5.75
12	MP3A	Mx	.003	5.75
13	MP3B	X	3.161	1.75
14	MP3B	Z	5.475	1.75
15	MP3B	Mx	-.006	1.75
16	MP3B	X	3.161	5.75
17	MP3B	Z	5.475	5.75
18	MP3B	Mx	-.006	5.75
19	MP3C	X	2.525	1.75
20	MP3C	Z	4.373	1.75
21	MP3C	Mx	.003	1.75
22	MP3C	X	2.525	5.75
23	MP3C	Z	4.373	5.75
24	MP3C	Mx	.003	5.75
25	MP3A	X	3.161	1.75
26	MP3A	Z	5.475	1.75
27	MP3A	Mx	-.006	1.75
28	MP3A	X	3.161	5.75
29	MP3A	Z	5.475	5.75
30	MP3A	Mx	-.006	5.75
31	MP3B	X	3.161	1.75
32	MP3B	Z	5.475	1.75
33	MP3B	Mx	.003	1.75
34	MP3B	X	3.161	5.75
35	MP3B	Z	5.475	5.75
36	MP3B	Mx	.003	5.75
37	MP3C	X	2.525	1.75
38	MP3C	Z	4.373	1.75
39	MP3C	Mx	.003	1.75
40	MP3C	X	2.525	5.75
41	MP3C	Z	4.373	5.75
42	MP3C	Mx	.003	5.75
43	MP4A	X	1.738	1.33
44	MP4A	Z	3.011	1.33
45	MP4A	Mx	-.000869	1.33
46	MP4A	X	1.738	3.33
47	MP4A	Z	3.011	3.33
48	MP4A	Mx	-.000869	3.33
49	MP4B	X	1.738	1.33
50	MP4B	Z	3.011	1.33
51	MP4B	Mx	-.000869	1.33
52	MP4B	X	1.738	3.33
53	MP4B	Z	3.011	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
54	MP4B	Mx	-.000869	3.33
55	MP4C	X	.716	1.33
56	MP4C	Z	1.24	1.33
57	MP4C	Mx	.000716	1.33
58	MP4C	X	.716	3.33
59	MP4C	Z	1.24	3.33
60	MP4C	Mx	.000716	3.33
61	OVP	X	3.363	1.5
62	OVP	Z	5.824	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	1.509	2
65	MP3A	Z	2.613	2
66	MP3A	Mx	.000754	2
67	MP3B	X	1.509	2
68	MP3B	Z	2.613	2
69	MP3B	Mx	.000754	2
70	MP3C	X	1.103	2
71	MP3C	Z	1.911	2
72	MP3C	Mx	-.001	2
73	MP2A	X	1.459	2
74	MP2A	Z	2.526	2
75	MP2A	Mx	.00073	2
76	MP2B	X	1.459	2
77	MP2B	Z	2.526	2
78	MP2B	Mx	.000729	2
79	MP2C	X	.902	2
80	MP2C	Z	1.562	2
81	MP2C	Mx	-.000902	2
82	MP1A	X	3.621	1
83	MP1A	Z	6.272	1
84	MP1A	Mx	-.002	1
85	MP1A	X	3.621	5
86	MP1A	Z	6.272	5
87	MP1A	Mx	-.002	5
88	MP1B	X	3.621	1
89	MP1B	Z	6.272	1
90	MP1B	Mx	-.002	1
91	MP1B	X	3.621	5
92	MP1B	Z	6.272	5
93	MP1B	Mx	-.002	5
94	MP1C	X	3.266	1
95	MP1C	Z	5.657	1
96	MP1C	Mx	.003	1
97	MP1C	X	3.266	5
98	MP1C	Z	5.657	5
99	MP1C	Mx	.003	5
100	MP5A	X	3.621	1
101	MP5A	Z	6.272	1
102	MP5A	Mx	-.002	1
103	MP5A	X	3.621	5
104	MP5A	Z	6.272	5
105	MP5A	Mx	-.002	5
106	MP5B	X	3.621	1
107	MP5B	Z	6.272	1
108	MP5B	Mx	-.002	1
109	MP5B	X	3.621	5
110	MP5B	Z	6.272	5
111	MP5B	Mx	-.002	5
112	MP5C	X	3.266	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
113	MP5C	Z	5.657	1
114	MP5C	Mx	.003	1
115	MP5C	X	3.266	5
116	MP5C	Z	5.657	5
117	MP5C	Mx	.003	5
118	LIGHT	X	1.061	.13
119	LIGHT	Z	1.837	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	0	4
2	MP3A	Z	2.037	4
3	MP3A	Mx	0	4
4	MP3C	X	0	4
5	MP3C	Z	.972	4
6	MP3C	Mx	-.000421	4
7	MP3A	X	0	1.75
8	MP3A	Z	6.746	1.75
9	MP3A	Mx	.006	1.75
10	MP3A	X	0	5.75
11	MP3A	Z	6.746	5.75
12	MP3A	Mx	.006	5.75
13	MP3B	X	0	1.75
14	MP3B	Z	5.473	1.75
15	MP3B	Mx	-.005	1.75
16	MP3B	X	0	5.75
17	MP3B	Z	5.473	5.75
18	MP3B	Mx	-.005	5.75
19	MP3C	X	0	1.75
20	MP3C	Z	5.473	1.75
21	MP3C	Mx	8.9e-5	1.75
22	MP3C	X	0	5.75
23	MP3C	Z	5.473	5.75
24	MP3C	Mx	8.9e-5	5.75
25	MP3A	X	0	1.75
26	MP3A	Z	6.746	1.75
27	MP3A	Mx	-.006	1.75
28	MP3A	X	0	5.75
29	MP3A	Z	6.746	5.75
30	MP3A	Mx	-.006	5.75
31	MP3B	X	0	1.75
32	MP3B	Z	5.473	1.75
33	MP3B	Mx	-8.9e-5	1.75
34	MP3B	X	0	5.75
35	MP3B	Z	5.473	5.75
36	MP3B	Mx	-8.9e-5	5.75
37	MP3C	X	0	1.75
38	MP3C	Z	5.473	1.75
39	MP3C	Mx	.005	1.75
40	MP3C	X	0	5.75
41	MP3C	Z	5.473	5.75
42	MP3C	Mx	.005	5.75
43	MP4A	X	0	1.33
44	MP4A	Z	4.158	1.33
45	MP4A	Mx	0	1.33
46	MP4A	X	0	3.33
47	MP4A	Z	4.158	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP4A	Mx	0	3.33
49	MP4B	X	0	1.33
50	MP4B	Z	2.114	1.33
51	MP4B	Mx	-.000915	1.33
52	MP4B	X	0	3.33
53	MP4B	Z	2.114	3.33
54	MP4B	Mx	-.000915	3.33
55	MP4C	X	0	1.33
56	MP4C	Z	2.114	1.33
57	MP4C	Mx	.000915	1.33
58	MP4C	X	0	3.33
59	MP4C	Z	2.114	3.33
60	MP4C	Mx	.000915	3.33
61	OVP	X	0	1.5
62	OVP	Z	6.322	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	0	2
65	MP3A	Z	3.288	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	2.477	2
69	MP3B	Mx	.001	2
70	MP3C	X	0	2
71	MP3C	Z	2.477	2
72	MP3C	Mx	-.001	2
73	MP2A	X	0	2
74	MP2A	Z	3.288	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	2.175	2
78	MP2B	Mx	.000942	2
79	MP2C	X	0	2
80	MP2C	Z	2.175	2
81	MP2C	Mx	-.000942	2
82	MP1A	X	0	1
83	MP1A	Z	7.478	1
84	MP1A	Mx	0	1
85	MP1A	X	0	5
86	MP1A	Z	7.478	5
87	MP1A	Mx	0	5
88	MP1B	X	0	1
89	MP1B	Z	6.769	1
90	MP1B	Mx	-.003	1
91	MP1B	X	0	5
92	MP1B	Z	6.769	5
93	MP1B	Mx	-.003	5
94	MP1C	X	0	1
95	MP1C	Z	6.769	1
96	MP1C	Mx	.003	1
97	MP1C	X	0	5
98	MP1C	Z	6.769	5
99	MP1C	Mx	.003	5
100	MP5A	X	0	1
101	MP5A	Z	7.478	1
102	MP5A	Mx	0	1
103	MP5A	X	0	5
104	MP5A	Z	7.478	5
105	MP5A	Mx	0	5
106	MP5B	X	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
107	MP5B	Z	6.769	1
108	MP5B	Mx	-.003	1
109	MP5B	X	0	5
110	MP5B	Z	6.769	5
111	MP5B	Mx	-.003	5
112	MP5C	X	0	1
113	MP5C	Z	6.769	1
114	MP5C	Mx	.003	1
115	MP5C	X	0	5
116	MP5C	Z	6.769	5
117	MP5C	Mx	.003	5
118	LIGHT	X	0	.13
119	LIGHT	Z	1.909	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-.841	4
2	MP3A	Z	1.457	4
3	MP3A	Mx	-.00042	4
4	MP3C	X	-.841	4
5	MP3C	Z	1.457	4
6	MP3C	Mx	-.000421	4
7	MP3A	X	-3.161	1.75
8	MP3A	Z	5.475	1.75
9	MP3A	Mx	.006	1.75
10	MP3A	X	-3.161	5.75
11	MP3A	Z	5.475	5.75
12	MP3A	Mx	.006	5.75
13	MP3B	X	-2.525	1.75
14	MP3B	Z	4.373	1.75
15	MP3B	Mx	-.003	1.75
16	MP3B	X	-2.525	5.75
17	MP3B	Z	4.373	5.75
18	MP3B	Mx	-.003	5.75
19	MP3C	X	-3.161	1.75
20	MP3C	Z	5.475	1.75
21	MP3C	Mx	-.003	1.75
22	MP3C	X	-3.161	5.75
23	MP3C	Z	5.475	5.75
24	MP3C	Mx	-.003	5.75
25	MP3A	X	-3.161	1.75
26	MP3A	Z	5.475	1.75
27	MP3A	Mx	-.003	1.75
28	MP3A	X	-3.161	5.75
29	MP3A	Z	5.475	5.75
30	MP3A	Mx	-.003	5.75
31	MP3B	X	-2.525	1.75
32	MP3B	Z	4.373	1.75
33	MP3B	Mx	-.003	1.75
34	MP3B	X	-2.525	5.75
35	MP3B	Z	4.373	5.75
36	MP3B	Mx	-.003	5.75
37	MP3C	X	-3.161	1.75
38	MP3C	Z	5.475	1.75
39	MP3C	Mx	.006	1.75
40	MP3C	X	-3.161	5.75
41	MP3C	Z	5.475	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
42	MP3C	Mx	.006	5.75
43	MP4A	X	-1.738	1.33
44	MP4A	Z	3.011	1.33
45	MP4A	Mx	.000869	1.33
46	MP4A	X	-1.738	3.33
47	MP4A	Z	3.011	3.33
48	MP4A	Mx	.000869	3.33
49	MP4B	X	-.716	1.33
50	MP4B	Z	1.24	1.33
51	MP4B	Mx	-.000716	1.33
52	MP4B	X	-.716	3.33
53	MP4B	Z	1.24	3.33
54	MP4B	Mx	-.000716	3.33
55	MP4C	X	-1.738	1.33
56	MP4C	Z	3.011	1.33
57	MP4C	Mx	.000869	1.33
58	MP4C	X	-1.738	3.33
59	MP4C	Z	3.011	3.33
60	MP4C	Mx	.000869	3.33
61	OVP	X	-2.758	1.5
62	OVP	Z	4.777	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-1.509	2
65	MP3A	Z	2.613	2
66	MP3A	Mx	-.000754	2
67	MP3B	X	-1.103	2
68	MP3B	Z	1.911	2
69	MP3B	Mx	.001	2
70	MP3C	X	-1.509	2
71	MP3C	Z	2.613	2
72	MP3C	Mx	-.000754	2
73	MP2A	X	-1.459	2
74	MP2A	Z	2.526	2
75	MP2A	Mx	-.00073	2
76	MP2B	X	-.902	2
77	MP2B	Z	1.562	2
78	MP2B	Mx	.000902	2
79	MP2C	X	-1.459	2
80	MP2C	Z	2.526	2
81	MP2C	Mx	-.000729	2
82	MP1A	X	-3.621	1
83	MP1A	Z	6.272	1
84	MP1A	Mx	.002	1
85	MP1A	X	-3.621	5
86	MP1A	Z	6.272	5
87	MP1A	Mx	.002	5
88	MP1B	X	-3.266	1
89	MP1B	Z	5.657	1
90	MP1B	Mx	-.003	1
91	MP1B	X	-3.266	5
92	MP1B	Z	5.657	5
93	MP1B	Mx	-.003	5
94	MP1C	X	-3.621	1
95	MP1C	Z	6.272	1
96	MP1C	Mx	.002	1
97	MP1C	X	-3.621	5
98	MP1C	Z	6.272	5
99	MP1C	Mx	.002	5
100	MP5A	X	-3.621	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
101	MP5A	Z	6.272	1
102	MP5A	Mx	.002	1
103	MP5A	X	-3.621	5
104	MP5A	Z	6.272	5
105	MP5A	Mx	.002	5
106	MP5B	X	-3.266	1
107	MP5B	Z	5.657	1
108	MP5B	Mx	-.003	1
109	MP5B	X	-3.266	5
110	MP5B	Z	5.657	5
111	MP5B	Mx	-.003	5
112	MP5C	X	-3.621	1
113	MP5C	Z	6.272	1
114	MP5C	Mx	.002	1
115	MP5C	X	-3.621	5
116	MP5C	Z	6.272	5
117	MP5C	Mx	.002	5
118	LIGHT	X	-.743	.13
119	LIGHT	Z	1.286	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-.842	4
2	MP3A	Z	.486	4
3	MP3A	Mx	-.000421	4
4	MP3C	X	-1.764	4
5	MP3C	Z	1.018	4
6	MP3C	Mx	0	4
7	MP3A	X	-4.74	1.75
8	MP3A	Z	2.737	1.75
9	MP3A	Mx	.005	1.75
10	MP3A	X	-4.74	5.75
11	MP3A	Z	2.737	5.75
12	MP3A	Mx	.005	5.75
13	MP3B	X	-4.74	1.75
14	MP3B	Z	2.737	1.75
15	MP3B	Mx	-9e-5	1.75
16	MP3B	X	-4.74	5.75
17	MP3B	Z	2.737	5.75
18	MP3B	Mx	-9e-5	5.75
19	MP3C	X	-5.842	1.75
20	MP3C	Z	3.373	1.75
21	MP3C	Mx	-.006	1.75
22	MP3C	X	-5.842	5.75
23	MP3C	Z	3.373	5.75
24	MP3C	Mx	-.006	5.75
25	MP3A	X	-4.74	1.75
26	MP3A	Z	2.737	1.75
27	MP3A	Mx	8.9e-5	1.75
28	MP3A	X	-4.74	5.75
29	MP3A	Z	2.737	5.75
30	MP3A	Mx	8.9e-5	5.75
31	MP3B	X	-4.74	1.75
32	MP3B	Z	2.737	1.75
33	MP3B	Mx	-.005	1.75
34	MP3B	X	-4.74	5.75
35	MP3B	Z	2.737	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP3B	Mx	-.005	5.75
37	MP3C	X	-5.842	1.75
38	MP3C	Z	3.373	1.75
39	MP3C	Mx	.006	1.75
40	MP3C	X	-5.842	5.75
41	MP3C	Z	3.373	5.75
42	MP3C	Mx	.006	5.75
43	MP4A	X	-1.83	1.33
44	MP4A	Z	1.057	1.33
45	MP4A	Mx	.000915	1.33
46	MP4A	X	-1.83	3.33
47	MP4A	Z	1.057	3.33
48	MP4A	Mx	.000915	3.33
49	MP4B	X	-1.83	1.33
50	MP4B	Z	1.057	1.33
51	MP4B	Mx	-.000915	1.33
52	MP4B	X	-1.83	3.33
53	MP4B	Z	1.057	3.33
54	MP4B	Mx	-.000915	3.33
55	MP4C	X	-3.601	1.33
56	MP4C	Z	2.079	1.33
57	MP4C	Mx	0	1.33
58	MP4C	X	-3.601	3.33
59	MP4C	Z	2.079	3.33
60	MP4C	Mx	0	3.33
61	OVP	X	-4.428	1.5
62	OVP	Z	2.556	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-2.145	2
65	MP3A	Z	1.238	2
66	MP3A	Mx	-.001	2
67	MP3B	X	-2.145	2
68	MP3B	Z	1.238	2
69	MP3B	Mx	.001	2
70	MP3C	X	-2.848	2
71	MP3C	Z	1.644	2
72	MP3C	Mx	0	2
73	MP2A	X	-1.883	2
74	MP2A	Z	1.087	2
75	MP2A	Mx	-.000942	2
76	MP2B	X	-1.883	2
77	MP2B	Z	1.087	2
78	MP2B	Mx	.000941	2
79	MP2C	X	-2.848	2
80	MP2C	Z	1.644	2
81	MP2C	Mx	0	2
82	MP1A	X	-5.862	1
83	MP1A	Z	3.384	1
84	MP1A	Mx	.003	1
85	MP1A	X	-5.862	5
86	MP1A	Z	3.384	5
87	MP1A	Mx	.003	5
88	MP1B	X	-5.862	1
89	MP1B	Z	3.384	1
90	MP1B	Mx	-.003	1
91	MP1B	X	-5.862	5
92	MP1B	Z	3.384	5
93	MP1B	Mx	-.003	5
94	MP1C	X	-6.476	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
95	MP1C	Z	3.739	1
96	MP1C	Mx	0	1
97	MP1C	X	-6.476	5
98	MP1C	Z	3.739	5
99	MP1C	Mx	0	5
100	MP5A	X	-5.862	1
101	MP5A	Z	3.384	1
102	MP5A	Mx	.003	1
103	MP5A	X	-5.862	5
104	MP5A	Z	3.384	5
105	MP5A	Mx	.003	5
106	MP5B	X	-5.862	1
107	MP5B	Z	3.384	1
108	MP5B	Mx	-.003	1
109	MP5B	X	-5.862	5
110	MP5B	Z	3.384	5
111	MP5B	Mx	-.003	5
112	MP5C	X	-6.476	1
113	MP5C	Z	3.739	1
114	MP5C	Mx	0	1
115	MP5C	X	-6.476	5
116	MP5C	Z	3.739	5
117	MP5C	Mx	0	5
118	LIGHT	X	-1.102	.13
119	LIGHT	Z	.636	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-.618	4
2	MP3A	Z	0	4
3	MP3A	Mx	-.000309	4
4	MP3C	X	-1.682	4
5	MP3C	Z	0	4
6	MP3C	Mx	.00042	4
7	MP3A	X	-5.049	1.75
8	MP3A	Z	0	1.75
9	MP3A	Mx	.003	1.75
10	MP3A	X	-5.049	5.75
11	MP3A	Z	0	5.75
12	MP3A	Mx	.003	5.75
13	MP3B	X	-6.322	1.75
14	MP3B	Z	0	1.75
15	MP3B	Mx	.003	1.75
16	MP3B	X	-6.322	5.75
17	MP3B	Z	0	5.75
18	MP3B	Mx	.003	5.75
19	MP3C	X	-6.322	1.75
20	MP3C	Z	0	1.75
21	MP3C	Mx	-.006	1.75
22	MP3C	X	-6.322	5.75
23	MP3C	Z	0	5.75
24	MP3C	Mx	-.006	5.75
25	MP3A	X	-5.049	1.75
26	MP3A	Z	0	1.75
27	MP3A	Mx	.003	1.75
28	MP3A	X	-5.049	5.75
29	MP3A	Z	0	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP3A	Mx	.003	5.75
31	MP3B	X	-6.322	1.75
32	MP3B	Z	0	1.75
33	MP3B	Mx	-.006	1.75
34	MP3B	X	-6.322	5.75
35	MP3B	Z	0	5.75
36	MP3B	Mx	-.006	5.75
37	MP3C	X	-6.322	1.75
38	MP3C	Z	0	1.75
39	MP3C	Mx	.003	1.75
40	MP3C	X	-6.322	5.75
41	MP3C	Z	0	5.75
42	MP3C	Mx	.003	5.75
43	MP4A	X	-1.432	1.33
44	MP4A	Z	0	1.33
45	MP4A	Mx	.000716	1.33
46	MP4A	X	-1.432	3.33
47	MP4A	Z	0	3.33
48	MP4A	Mx	.000716	3.33
49	MP4B	X	-3.477	1.33
50	MP4B	Z	0	1.33
51	MP4B	Mx	-.000869	1.33
52	MP4B	X	-3.477	3.33
53	MP4B	Z	0	3.33
54	MP4B	Mx	-.000869	3.33
55	MP4C	X	-3.477	1.33
56	MP4C	Z	0	1.33
57	MP4C	Mx	-.000869	1.33
58	MP4C	X	-3.477	3.33
59	MP4C	Z	0	3.33
60	MP4C	Mx	-.000869	3.33
61	OVP	X	-5.516	1.5
62	OVP	Z	0	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-2.206	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.001	2
67	MP3B	X	-3.018	2
68	MP3B	Z	0	2
69	MP3B	Mx	.000754	2
70	MP3C	X	-3.018	2
71	MP3C	Z	0	2
72	MP3C	Mx	.000754	2
73	MP2A	X	-1.803	2
74	MP2A	Z	0	2
75	MP2A	Mx	-.000902	2
76	MP2B	X	-2.917	2
77	MP2B	Z	0	2
78	MP2B	Mx	.000729	2
79	MP2C	X	-2.917	2
80	MP2C	Z	0	2
81	MP2C	Mx	.000729	2
82	MP1A	X	-6.532	1
83	MP1A	Z	0	1
84	MP1A	Mx	.003	1
85	MP1A	X	-6.532	5
86	MP1A	Z	0	5
87	MP1A	Mx	.003	5
88	MP1B	X	-7.242	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
89	MP1B	Z	0	1
90	MP1B	Mx	-.002	1
91	MP1B	X	-7.242	5
92	MP1B	Z	0	5
93	MP1B	Mx	-.002	5
94	MP1C	X	-7.242	1
95	MP1C	Z	0	1
96	MP1C	Mx	-.002	1
97	MP1C	X	-7.242	5
98	MP1C	Z	0	5
99	MP1C	Mx	-.002	5
100	MP5A	X	-6.532	1
101	MP5A	Z	0	1
102	MP5A	Mx	.003	1
103	MP5A	X	-6.532	5
104	MP5A	Z	0	5
105	MP5A	Mx	.003	5
106	MP5B	X	-7.242	1
107	MP5B	Z	0	1
108	MP5B	Mx	-.002	1
109	MP5B	X	-7.242	5
110	MP5B	Z	0	5
111	MP5B	Mx	-.002	5
112	MP5C	X	-7.242	1
113	MP5C	Z	0	1
114	MP5C	Mx	-.002	1
115	MP5C	X	-7.242	5
116	MP5C	Z	0	5
117	MP5C	Mx	-.002	5
118	LIGHT	X	-1.485	.13
119	LIGHT	Z	0	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-.842	4
2	MP3A	Z	-.486	4
3	MP3A	Mx	-.000421	4
4	MP3C	X	-.842	4
5	MP3C	Z	-.486	4
6	MP3C	Mx	.000421	4
7	MP3A	X	-4.74	1.75
8	MP3A	Z	-2.737	1.75
9	MP3A	Mx	8.9e-5	1.75
10	MP3A	X	-4.74	5.75
11	MP3A	Z	-2.737	5.75
12	MP3A	Mx	8.9e-5	5.75
13	MP3B	X	-5.842	1.75
14	MP3B	Z	-3.373	1.75
15	MP3B	Mx	.006	1.75
16	MP3B	X	-5.842	5.75
17	MP3B	Z	-3.373	5.75
18	MP3B	Mx	.006	5.75
19	MP3C	X	-4.74	1.75
20	MP3C	Z	-2.737	1.75
21	MP3C	Mx	-.005	1.75
22	MP3C	X	-4.74	5.75
23	MP3C	Z	-2.737	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
24	MP3C	Mx	-.005	5.75
25	MP3A	X	-4.74	1.75
26	MP3A	Z	-2.737	1.75
27	MP3A	Mx	.005	1.75
28	MP3A	X	-4.74	5.75
29	MP3A	Z	-2.737	5.75
30	MP3A	Mx	.005	5.75
31	MP3B	X	-5.842	1.75
32	MP3B	Z	-3.373	1.75
33	MP3B	Mx	-.006	1.75
34	MP3B	X	-5.842	5.75
35	MP3B	Z	-3.373	5.75
36	MP3B	Mx	-.006	5.75
37	MP3C	X	-4.74	1.75
38	MP3C	Z	-2.737	1.75
39	MP3C	Mx	-9e-5	1.75
40	MP3C	X	-4.74	5.75
41	MP3C	Z	-2.737	5.75
42	MP3C	Mx	-9e-5	5.75
43	MP4A	X	-1.83	1.33
44	MP4A	Z	-1.057	1.33
45	MP4A	Mx	.000915	1.33
46	MP4A	X	-1.83	3.33
47	MP4A	Z	-1.057	3.33
48	MP4A	Mx	.000915	3.33
49	MP4B	X	-3.601	1.33
50	MP4B	Z	-2.079	1.33
51	MP4B	Mx	0	1.33
52	MP4B	X	-3.601	3.33
53	MP4B	Z	-2.079	3.33
54	MP4B	Mx	0	3.33
55	MP4C	X	-1.83	1.33
56	MP4C	Z	-1.057	1.33
57	MP4C	Mx	-.000915	1.33
58	MP4C	X	-1.83	3.33
59	MP4C	Z	-1.057	3.33
60	MP4C	Mx	-.000915	3.33
61	OVP	X	-5.475	1.5
62	OVP	Z	-3.161	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-2.145	2
65	MP3A	Z	-1.238	2
66	MP3A	Mx	-.001	2
67	MP3B	X	-2.848	2
68	MP3B	Z	-1.644	2
69	MP3B	Mx	0	2
70	MP3C	X	-2.145	2
71	MP3C	Z	-1.238	2
72	MP3C	Mx	.001	2
73	MP2A	X	-1.883	2
74	MP2A	Z	-1.087	2
75	MP2A	Mx	-.000942	2
76	MP2B	X	-2.848	2
77	MP2B	Z	-1.644	2
78	MP2B	Mx	0	2
79	MP2C	X	-1.883	2
80	MP2C	Z	-1.087	2
81	MP2C	Mx	.000941	2
82	MP1A	X	-5.862	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
83	MP1A	Z	-3.384	1
84	MP1A	Mx	.003	1
85	MP1A	X	-5.862	5
86	MP1A	Z	-3.384	5
87	MP1A	Mx	.003	5
88	MP1B	X	-6.476	1
89	MP1B	Z	-3.739	1
90	MP1B	Mx	0	1
91	MP1B	X	-6.476	5
92	MP1B	Z	-3.739	5
93	MP1B	Mx	0	5
94	MP1C	X	-5.862	1
95	MP1C	Z	-3.384	1
96	MP1C	Mx	-.003	1
97	MP1C	X	-5.862	5
98	MP1C	Z	-3.384	5
99	MP1C	Mx	-.003	5
100	MP5A	X	-5.862	1
101	MP5A	Z	-3.384	1
102	MP5A	Mx	.003	1
103	MP5A	X	-5.862	5
104	MP5A	Z	-3.384	5
105	MP5A	Mx	.003	5
106	MP5B	X	-6.476	1
107	MP5B	Z	-3.739	1
108	MP5B	Mx	0	1
109	MP5B	X	-6.476	5
110	MP5B	Z	-3.739	5
111	MP5B	Mx	0	5
112	MP5C	X	-5.862	1
113	MP5C	Z	-3.384	1
114	MP5C	Mx	-.003	1
115	MP5C	X	-5.862	5
116	MP5C	Z	-3.384	5
117	MP5C	Mx	-.003	5
118	LIGHT	X	-1.654	.13
119	LIGHT	Z	-.955	.13
120	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-.841	4
2	MP3A	Z	-1.457	4
3	MP3A	Mx	-.00042	4
4	MP3C	X	-.309	4
5	MP3C	Z	-.535	4
6	MP3C	Mx	.000309	4
7	MP3A	X	-3.161	1.75
8	MP3A	Z	-5.475	1.75
9	MP3A	Mx	-.003	1.75
10	MP3A	X	-3.161	5.75
11	MP3A	Z	-5.475	5.75
12	MP3A	Mx	-.003	5.75
13	MP3B	X	-3.161	1.75
14	MP3B	Z	-5.475	1.75
15	MP3B	Mx	.006	1.75
16	MP3B	X	-3.161	5.75
17	MP3B	Z	-5.475	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP3B	Mx	.006	5.75
19	MP3C	X	-2.525	1.75
20	MP3C	Z	-4.373	1.75
21	MP3C	Mx	-.003	1.75
22	MP3C	X	-2.525	5.75
23	MP3C	Z	-4.373	5.75
24	MP3C	Mx	-.003	5.75
25	MP3A	X	-3.161	1.75
26	MP3A	Z	-5.475	1.75
27	MP3A	Mx	.006	1.75
28	MP3A	X	-3.161	5.75
29	MP3A	Z	-5.475	5.75
30	MP3A	Mx	.006	5.75
31	MP3B	X	-3.161	1.75
32	MP3B	Z	-5.475	1.75
33	MP3B	Mx	-.003	1.75
34	MP3B	X	-3.161	5.75
35	MP3B	Z	-5.475	5.75
36	MP3B	Mx	-.003	5.75
37	MP3C	X	-2.525	1.75
38	MP3C	Z	-4.373	1.75
39	MP3C	Mx	-.003	1.75
40	MP3C	X	-2.525	5.75
41	MP3C	Z	-4.373	5.75
42	MP3C	Mx	-.003	5.75
43	MP4A	X	-1.738	1.33
44	MP4A	Z	-3.011	1.33
45	MP4A	Mx	.000869	1.33
46	MP4A	X	-1.738	3.33
47	MP4A	Z	-3.011	3.33
48	MP4A	Mx	.000869	3.33
49	MP4B	X	-1.738	1.33
50	MP4B	Z	-3.011	1.33
51	MP4B	Mx	.000869	1.33
52	MP4B	X	-1.738	3.33
53	MP4B	Z	-3.011	3.33
54	MP4B	Mx	.000869	3.33
55	MP4C	X	-.716	1.33
56	MP4C	Z	-1.24	1.33
57	MP4C	Mx	-.000716	1.33
58	MP4C	X	-.716	3.33
59	MP4C	Z	-1.24	3.33
60	MP4C	Mx	-.000716	3.33
61	OVP	X	-3.363	1.5
62	OVP	Z	-5.824	1.5
63	OVP	Mx	0	1.5
64	MP3A	X	-1.509	2
65	MP3A	Z	-2.613	2
66	MP3A	Mx	-.000754	2
67	MP3B	X	-1.509	2
68	MP3B	Z	-2.613	2
69	MP3B	Mx	-.000754	2
70	MP3C	X	-1.103	2
71	MP3C	Z	-1.911	2
72	MP3C	Mx	.001	2
73	MP2A	X	-1.459	2
74	MP2A	Z	-2.526	2
75	MP2A	Mx	-.00073	2
76	MP2B	X	-1.459	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
77	MP2B	Z	-2.526	2
78	MP2B	Mx	-.000729	2
79	MP2C	X	-.902	2
80	MP2C	Z	-1.562	2
81	MP2C	Mx	.000902	2
82	MP1A	X	-3.621	1
83	MP1A	Z	-6.272	1
84	MP1A	Mx	.002	1
85	MP1A	X	-3.621	5
86	MP1A	Z	-6.272	5
87	MP1A	Mx	.002	5
88	MP1B	X	-3.621	1
89	MP1B	Z	-6.272	1
90	MP1B	Mx	.002	1
91	MP1B	X	-3.621	5
92	MP1B	Z	-6.272	5
93	MP1B	Mx	.002	5
94	MP1C	X	-3.266	1
95	MP1C	Z	-5.657	1
96	MP1C	Mx	-.003	1
97	MP1C	X	-3.266	5
98	MP1C	Z	-5.657	5
99	MP1C	Mx	-.003	5
100	MP5A	X	-3.621	1
101	MP5A	Z	-6.272	1
102	MP5A	Mx	.002	1
103	MP5A	X	-3.621	5
104	MP5A	Z	-6.272	5
105	MP5A	Mx	.002	5
106	MP5B	X	-3.621	1
107	MP5B	Z	-6.272	1
108	MP5B	Mx	.002	1
109	MP5B	X	-3.621	5
110	MP5B	Z	-6.272	5
111	MP5B	Mx	.002	5
112	MP5C	X	-3.266	1
113	MP5C	Z	-5.657	1
114	MP5C	Mx	-.003	1
115	MP5C	X	-3.266	5
116	MP5C	Z	-5.657	5
117	MP5C	Mx	-.003	5
118	LIGHT	X	-1.061	.13
119	LIGHT	Z	-1.837	.13
120	LIGHT	Mx	0	.13

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	LM2	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	LM1	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	Y	0	4
2	MP3A	My	0	4
3	MP3A	Mz	0	4
4	MP3C	Y	0	4
5	MP3C	My	0	4
6	MP3C	Mz	0	4
7	MP3A	Y	0	1.75
8	MP3A	My	0	1.75
9	MP3A	Mz	0	1.75
10	MP3A	Y	0	5.75
11	MP3A	My	0	5.75
12	MP3A	Mz	0	5.75
13	MP3B	Y	0	1.75
14	MP3B	My	0	1.75
15	MP3B	Mz	0	1.75
16	MP3B	Y	0	5.75
17	MP3B	My	0	5.75
18	MP3B	Mz	0	5.75
19	MP3C	Y	0	1.75
20	MP3C	My	0	1.75
21	MP3C	Mz	0	1.75
22	MP3C	Y	0	5.75
23	MP3C	My	0	5.75
24	MP3C	Mz	0	5.75
25	MP3A	Y	0	1.75
26	MP3A	My	0	1.75
27	MP3A	Mz	0	1.75
28	MP3A	Y	0	5.75
29	MP3A	My	0	5.75
30	MP3A	Mz	0	5.75
31	MP3B	Y	0	1.75
32	MP3B	My	0	1.75
33	MP3B	Mz	0	1.75
34	MP3B	Y	0	5.75
35	MP3B	My	0	5.75
36	MP3B	Mz	0	5.75
37	MP3C	Y	0	1.75
38	MP3C	My	0	1.75
39	MP3C	Mz	0	1.75
40	MP3C	Y	0	5.75
41	MP3C	My	0	5.75
42	MP3C	Mz	0	5.75
43	MP4A	Y	0	1.33
44	MP4A	My	0	1.33
45	MP4A	Mz	0	1.33
46	MP4A	Y	0	3.33
47	MP4A	My	0	3.33
48	MP4A	Mz	0	3.33
49	MP4B	Y	0	1.33
50	MP4B	My	0	1.33
51	MP4B	Mz	0	1.33
52	MP4B	Y	0	3.33
53	MP4B	My	0	3.33
54	MP4B	Mz	0	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
55	MP4C	Y	0	1.33
56	MP4C	My	0	1.33
57	MP4C	Mz	0	1.33
58	MP4C	Y	0	3.33
59	MP4C	My	0	3.33
60	MP4C	Mz	0	3.33
61	OVP	Y	0	1.5
62	OVP	My	0	1.5
63	OVP	Mz	0	1.5
64	MP3A	Y	0	2
65	MP3A	My	0	2
66	MP3A	Mz	0	2
67	MP3B	Y	0	2
68	MP3B	My	0	2
69	MP3B	Mz	0	2
70	MP3C	Y	0	2
71	MP3C	My	0	2
72	MP3C	Mz	0	2
73	MP2A	Y	0	2
74	MP2A	My	0	2
75	MP2A	Mz	0	2
76	MP2B	Y	0	2
77	MP2B	My	0	2
78	MP2B	Mz	0	2
79	MP2C	Y	0	2
80	MP2C	My	0	2
81	MP2C	Mz	0	2
82	MP1A	Y	0	1
83	MP1A	My	0	1
84	MP1A	Mz	0	1
85	MP1A	Y	0	5
86	MP1A	My	0	5
87	MP1A	Mz	0	5
88	MP1B	Y	0	1
89	MP1B	My	0	1
90	MP1B	Mz	0	1
91	MP1B	Y	0	5
92	MP1B	My	0	5
93	MP1B	Mz	0	5
94	MP1C	Y	0	1
95	MP1C	My	0	1
96	MP1C	Mz	0	1
97	MP1C	Y	0	5
98	MP1C	My	0	5
99	MP1C	Mz	0	5
100	MP5A	Y	0	1
101	MP5A	My	0	1
102	MP5A	Mz	0	1
103	MP5A	Y	0	5
104	MP5A	My	0	5
105	MP5A	Mz	0	5
106	MP5B	Y	0	1
107	MP5B	My	0	1
108	MP5B	Mz	0	1
109	MP5B	Y	0	5
110	MP5B	My	0	5
111	MP5B	Mz	0	5
112	MP5C	Y	0	1
113	MP5C	My	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
114	MP5C	Mz	0	1
115	MP5C	Y	0	5
116	MP5C	My	0	5
117	MP5C	Mz	0	5
118	LIGHT	Y	0	.13
119	LIGHT	My	0	.13
120	LIGHT	Mz	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	Z	-.528	4
2	MP3A	Mx	0	4
3	MP3C	Z	-.528	4
4	MP3C	Mx	.000229	4
5	MP3A	Z	-.765	1.75
6	MP3A	Mx	-.000638	1.75
7	MP3A	Z	-.765	5.75
8	MP3A	Mx	-.000638	5.75
9	MP3B	Z	-.765	1.75
10	MP3B	Mx	.00065	1.75
11	MP3B	Z	-.765	5.75
12	MP3B	Mx	.00065	5.75
13	MP3C	Z	-.765	1.75
14	MP3C	Mx	-1.3e-5	1.75
15	MP3C	Z	-.765	5.75
16	MP3C	Mx	-1.3e-5	5.75
17	MP3A	Z	-.765	1.75
18	MP3A	Mx	.000638	1.75
19	MP3A	Z	-.765	5.75
20	MP3A	Mx	.000638	5.75
21	MP3B	Z	-.765	1.75
22	MP3B	Mx	1.3e-5	1.75
23	MP3B	Z	-.765	5.75
24	MP3B	Mx	1.3e-5	5.75
25	MP3C	Z	-.765	1.75
26	MP3C	Mx	-.00065	1.75
27	MP3C	Z	-.765	5.75
28	MP3C	Mx	-.00065	5.75
29	MP4A	Z	-1.306	1.33
30	MP4A	Mx	0	1.33
31	MP4A	Z	-1.306	3.33
32	MP4A	Mx	0	3.33
33	MP4B	Z	-1.306	1.33
34	MP4B	Mx	.000566	1.33
35	MP4B	Z	-1.306	3.33
36	MP4B	Mx	.000566	3.33
37	MP4C	Z	-1.306	1.33
38	MP4C	Mx	-.000566	1.33
39	MP4C	Z	-1.306	3.33
40	MP4C	Mx	-.000566	3.33
41	OVP	Z	-.96	1.5
42	OVP	Mx	0	1.5
43	MP3A	Z	-2.532	2
44	MP3A	Mx	0	2
45	MP3B	Z	-2.532	2
46	MP3B	Mx	-.001	2
47	MP3C	Z	-2.532	2
48	MP3C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
49	MP2A	Z	-2.109	2
50	MP2A	Mx	0	2
51	MP2B	Z	-2.109	2
52	MP2B	Mx	-.000913	2
53	MP2C	Z	-2.109	2
54	MP2C	Mx	.000913	2
55	MP1A	Z	-.315	1
56	MP1A	Mx	0	1
57	MP1A	Z	-.315	5
58	MP1A	Mx	0	5
59	MP1B	Z	-.315	1
60	MP1B	Mx	.000136	1
61	MP1B	Z	-.315	5
62	MP1B	Mx	.000136	5
63	MP1C	Z	-.315	1
64	MP1C	Mx	-.000136	1
65	MP1C	Z	-.315	5
66	MP1C	Mx	-.000136	5
67	MP5A	Z	-.315	1
68	MP5A	Mx	0	1
69	MP5A	Z	-.315	5
70	MP5A	Mx	0	5
71	MP5B	Z	-.315	1
72	MP5B	Mx	.000136	1
73	MP5B	Z	-.315	5
74	MP5B	Mx	.000136	5
75	MP5C	Z	-.315	1
76	MP5C	Mx	-.000136	1
77	MP5C	Z	-.315	5
78	MP5C	Mx	-.000136	5
79	LIGHT	Z	-.3	.13
80	LIGHT	Mx	0	.13

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	.528	4
2	MP3A	Mx	.000264	4
3	MP3C	X	.528	4
4	MP3C	Mx	-.000132	4
5	MP3A	X	.765	1.75
6	MP3A	Mx	-.000383	1.75
7	MP3A	X	.765	5.75
8	MP3A	Mx	-.000383	5.75
9	MP3B	X	.765	1.75
10	MP3B	Mx	-.000361	1.75
11	MP3B	X	.765	5.75
12	MP3B	Mx	-.000361	5.75
13	MP3C	X	.765	1.75
14	MP3C	Mx	.000743	1.75
15	MP3C	X	.765	5.75
16	MP3C	Mx	.000743	5.75
17	MP3A	X	.765	1.75
18	MP3A	Mx	-.000383	1.75
19	MP3A	X	.765	5.75
20	MP3A	Mx	-.000383	5.75
21	MP3B	X	.765	1.75
22	MP3B	Mx	.000743	1.75
23	MP3B	X	.765	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
24	MP3B	Mx	.000743	5.75
25	MP3C	X	.765	1.75
26	MP3C	Mx	-.000361	1.75
27	MP3C	X	.765	5.75
28	MP3C	Mx	-.000361	5.75
29	MP4A	X	1.306	1.33
30	MP4A	Mx	-.000653	1.33
31	MP4A	X	1.306	3.33
32	MP4A	Mx	-.000653	3.33
33	MP4B	X	1.306	1.33
34	MP4B	Mx	.000327	1.33
35	MP4B	X	1.306	3.33
36	MP4B	Mx	.000327	3.33
37	MP4C	X	1.306	1.33
38	MP4C	Mx	.000327	1.33
39	MP4C	X	1.306	3.33
40	MP4C	Mx	.000327	3.33
41	OVP	X	.96	1.5
42	OVP	Mx	0	1.5
43	MP3A	X	2.532	2
44	MP3A	Mx	.001	2
45	MP3B	X	2.532	2
46	MP3B	Mx	-.000633	2
47	MP3C	X	2.532	2
48	MP3C	Mx	-.000633	2
49	MP2A	X	2.109	2
50	MP2A	Mx	.001	2
51	MP2B	X	2.109	2
52	MP2B	Mx	-.000527	2
53	MP2C	X	2.109	2
54	MP2C	Mx	-.000527	2
55	MP1A	X	.315	1
56	MP1A	Mx	-.000158	1
57	MP1A	X	.315	5
58	MP1A	Mx	-.000158	5
59	MP1B	X	.315	1
60	MP1B	Mx	7.9e-5	1
61	MP1B	X	.315	5
62	MP1B	Mx	7.9e-5	5
63	MP1C	X	.315	1
64	MP1C	Mx	7.9e-5	1
65	MP1C	X	.315	5
66	MP1C	Mx	7.9e-5	5
67	MP5A	X	.315	1
68	MP5A	Mx	-.000158	1
69	MP5A	X	.315	5
70	MP5A	Mx	-.000158	5
71	MP5B	X	.315	1
72	MP5B	Mx	7.9e-5	1
73	MP5B	X	.315	5
74	MP5B	Mx	7.9e-5	5
75	MP5C	X	.315	1
76	MP5C	Mx	7.9e-5	1
77	MP5C	X	.315	5
78	MP5C	Mx	7.9e-5	5
79	LIGHT	X	.3	.13
80	LIGHT	Mx	0	.13

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	LV	Y	-9.101	-9.101	0	%100
2	M76	Y	-9.608	-9.608	0	%100
3	M77	Y	-9.608	-9.608	0	%100
4	M78	Y	-5.893	-5.893	0	%100
5	M79	Y	-5.893	-5.893	0	%100
6	M84	Y	-14.344	-14.344	0	%100
7	M85	Y	-9.608	-9.608	0	%100
8	M86	Y	-9.608	-9.608	0	%100
9	M87	Y	-5.893	-5.893	0	%100
10	M88	Y	-5.893	-5.893	0	%100
11	M93	Y	-14.344	-14.344	0	%100
12	M94	Y	-9.608	-9.608	0	%100
13	M95	Y	-9.608	-9.608	0	%100
14	M96	Y	-5.893	-5.893	0	%100
15	M97	Y	-5.893	-5.893	0	%100
16	M102	Y	-14.344	-14.344	0	%100
17	M103	Y	-7.613	-7.613	0	%100
18	MP5A	Y	-4.979	-4.979	0	%100
19	MP2A	Y	-6.566	-6.566	0	%100
20	OVP	Y	-4.979	-4.979	0	%100
21	MP1A	Y	-4.979	-4.979	0	%100
22	M49	Y	-5.684	-5.684	0	%100
23	LM1	Y	-5.684	-5.684	0	%100
24	MP3A	Y	-5.684	-5.684	0	%100
25	MP4A	Y	-4.979	-4.979	0	%100
26	M57	Y	-4.979	-4.979	0	%100
27	MP5C	Y	-4.979	-4.979	0	%100
28	MP2C	Y	-6.566	-6.566	0	%100
29	M68	Y	-4.979	-4.979	0	%100
30	MP1C	Y	-4.979	-4.979	0	%100
31	MP4C	Y	-4.979	-4.979	0	%100
32	M78A	Y	-4.979	-4.979	0	%100
33	MP5B	Y	-4.979	-4.979	0	%100
34	MP2B	Y	-6.566	-6.566	0	%100
35	M89A	Y	-4.979	-4.979	0	%100
36	MP1B	Y	-4.979	-4.979	0	%100
37	MP4B	Y	-4.979	-4.979	0	%100
38	LIGHT	Y	-4.979	-4.979	0	%100
39	M98B	Y	-7.613	-7.613	0	%100
40	M99B	Y	-7.613	-7.613	0	%100
41	M98C	Y	-9.101	-9.101	0	%100
42	M99C	Y	-9.101	-9.101	0	%100
43	M100A	Y	-10.122	-10.122	0	%100
44	M101A	Y	-10.122	-10.122	0	%100
45	M102A	Y	-10.122	-10.122	0	%100
46	M106	Y	-10.621	-10.621	0	%100
47	M107	Y	-10.621	-10.621	0	%100
48	M108	Y	-10.621	-10.621	0	%100
49	M103B	Y	-5.684	-5.684	0	%100
50	M104B	Y	-5.684	-5.684	0	%100
51	MP3C	Y	-5.684	-5.684	0	%100
52	M106A	Y	-5.684	-5.684	0	%100
53	M107A	Y	-5.684	-5.684	0	%100
54	MP3B	Y	-5.684	-5.684	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, %]
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Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	-28.286	-28.286	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	-19.742	-19.742	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	-10.183	-10.183	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	-10.183	-10.183	0	%100
11	M84	X	0	0	0	%100
12	M84	Z	-1.697	-1.697	0	%100
13	M85	X	0	0	0	%100
14	M85	Z	-10.455	-10.455	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	-4.935	-4.935	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	-2.546	-2.546	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	-2.546	-2.546	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	-.424	-.424	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	-10.455	-10.455	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	-4.935	-4.935	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	-2.546	-2.546	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	-2.546	-2.546	0	%100
31	M102	X	0	0	0	%100
32	M102	Z	-.424	-.424	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	-16.972	-16.972	0	%100
35	MP5A	X	0	0	0	%100
36	MP5A	Z	-8.062	-8.062	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-10.906	-10.906	0	%100
39	OVP	X	0	0	0	%100
40	OVP	Z	-8.062	-8.062	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	-8.062	-8.062	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	0	0	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	0	0	0	%100
48	MP3A	Z	-9.759	-9.759	0	%100
49	MP4A	X	0	0	0	%100
50	MP4A	Z	-8.062	-8.062	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	-8.062	-8.062	0	%100
53	MP5C	X	0	0	0	%100
54	MP5C	Z	-8.062	-8.062	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	-10.906	-10.906	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-8.062	-8.062	0	%100
59	MP1C	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.%]
60	MP1C	Z	-8.062	-8.062	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	-8.062	-8.062	0	%100
63	M78A	X	0	0	0	%100
64	M78A	Z	-8.062	-8.062	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-8.062	-8.062	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-10.906	-10.906	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	-8.062	-8.062	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-8.062	-8.062	0	%100
73	MP4B	X	0	0	0	%100
74	MP4B	Z	-8.062	-8.062	0	%100
75	LIGHT	X	0	0	0	%100
76	LIGHT	Z	-8.062	-8.062	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	-4.243	-4.243	0	%100
79	M99B	X	0	0	0	%100
80	M99B	Z	-4.243	-4.243	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	-7.072	-7.072	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	-7.072	-7.072	0	%100
85	M100A	X	0	0	0	%100
86	M100A	Z	-1.75	-1.75	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	-4.37	-4.37	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	-4.37	-4.37	0	%100
91	M106	X	0	0	0	%100
92	M106	Z	-9.61	-9.61	0	%100
93	M107	X	0	0	0	%100
94	M107	Z	-14.071	-14.071	0	%100
95	M108	X	0	0	0	%100
96	M108	Z	-14.071	-14.071	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	-4.269	-4.269	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	-4.269	-4.269	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	-9.759	-9.759	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	-4.269	-4.269	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	-4.269	-4.269	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-9.759	-9.759	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	LV	X	10.607	10.607	0	%100
2	LV	Z	-18.373	-18.373	0	%100
3	M76	X	1.743	1.743	0	%100
4	M76	Z	-3.018	-3.018	0	%100
5	M77	X	7.403	7.403	0	%100
6	M77	Z	-12.822	-12.822	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, %]
7	M78	X	3.819	3.819	0	%100
8	M78	Z	-6.614	-6.614	0	%100
9	M79	X	3.819	3.819	0	%100
10	M79	Z	-6.614	-6.614	0	%100
11	M84	X	.636	.636	0	%100
12	M84	Z	-1.102	-1.102	0	%100
13	M85	X	1.743	1.743	0	%100
14	M85	Z	-3.018	-3.018	0	%100
15	M86	X	7.403	7.403	0	%100
16	M86	Z	-12.822	-12.822	0	%100
17	M87	X	3.819	3.819	0	%100
18	M87	Z	-6.614	-6.614	0	%100
19	M88	X	3.819	3.819	0	%100
20	M88	Z	-6.614	-6.614	0	%100
21	M93	X	.636	.636	0	%100
22	M93	Z	-1.102	-1.102	0	%100
23	M94	X	6.97	6.97	0	%100
24	M94	Z	-12.073	-12.073	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	0	0	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	0	0	0	%100
32	M102	Z	0	0	0	%100
33	M103	X	6.364	6.364	0	%100
34	M103	Z	-11.024	-11.024	0	%100
35	MP5A	X	4.031	4.031	0	%100
36	MP5A	Z	-6.982	-6.982	0	%100
37	MP2A	X	5.453	5.453	0	%100
38	MP2A	Z	-9.445	-9.445	0	%100
39	OVP	X	4.031	4.031	0	%100
40	OVP	Z	-6.982	-6.982	0	%100
41	MP1A	X	4.031	4.031	0	%100
42	MP1A	Z	-6.982	-6.982	0	%100
43	M49	X	.712	.712	0	%100
44	M49	Z	-1.232	-1.232	0	%100
45	LM1	X	.712	.712	0	%100
46	LM1	Z	-1.232	-1.232	0	%100
47	MP3A	X	4.879	4.879	0	%100
48	MP3A	Z	-8.451	-8.451	0	%100
49	MP4A	X	4.031	4.031	0	%100
50	MP4A	Z	-6.982	-6.982	0	%100
51	M57	X	4.031	4.031	0	%100
52	M57	Z	-6.982	-6.982	0	%100
53	MP5C	X	4.031	4.031	0	%100
54	MP5C	Z	-6.982	-6.982	0	%100
55	MP2C	X	5.453	5.453	0	%100
56	MP2C	Z	-9.445	-9.445	0	%100
57	M68	X	4.031	4.031	0	%100
58	M68	Z	-6.982	-6.982	0	%100
59	MP1C	X	4.031	4.031	0	%100
60	MP1C	Z	-6.982	-6.982	0	%100
61	MP4C	X	4.031	4.031	0	%100
62	MP4C	Z	-6.982	-6.982	0	%100
63	M78A	X	4.031	4.031	0	%100
64	M78A	Z	-6.982	-6.982	0	%100
65	MP5B	X	4.031	4.031	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.%]
66	MP5B	Z	-6.982	-6.982	0	%100
67	MP2B	X	5.453	5.453	0	%100
68	MP2B	Z	-9.445	-9.445	0	%100
69	M89A	X	4.031	4.031	0	%100
70	M89A	Z	-6.982	-6.982	0	%100
71	MP1B	X	4.031	4.031	0	%100
72	MP1B	Z	-6.982	-6.982	0	%100
73	MP4B	X	4.031	4.031	0	%100
74	MP4B	Z	-6.982	-6.982	0	%100
75	LIGHT	X	4.031	4.031	0	%100
76	LIGHT	Z	-6.982	-6.982	0	%100
77	M98B	X	6.364	6.364	0	%100
78	M98B	Z	-11.024	-11.024	0	%100
79	M99B	X	0	0	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	10.607	10.607	0	%100
82	M98C	Z	-18.373	-18.373	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	0	0	0	%100
85	M100A	X	.656	.656	0	%100
86	M100A	Z	-1.136	-1.136	0	%100
87	M101A	X	.656	.656	0	%100
88	M101A	Z	-1.136	-1.136	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	0	0	0	%100
91	M106	X	5.549	5.549	0	%100
92	M106	Z	-9.61	-9.61	0	%100
93	M107	X	5.549	5.549	0	%100
94	M107	Z	-9.61	-9.61	0	%100
95	M108	X	7.779	7.779	0	%100
96	M108	Z	-13.473	-13.473	0	%100
97	M103B	X	.712	.712	0	%100
98	M103B	Z	-1.232	-1.232	0	%100
99	M104B	X	.712	.712	0	%100
100	M104B	Z	-1.232	-1.232	0	%100
101	MP3C	X	4.879	4.879	0	%100
102	MP3C	Z	-8.451	-8.451	0	%100
103	M106A	X	2.846	2.846	0	%100
104	M106A	Z	-4.93	-4.93	0	%100
105	M107A	X	2.846	2.846	0	%100
106	M107A	Z	-4.93	-4.93	0	%100
107	MP3B	X	4.879	4.879	0	%100
108	MP3B	Z	-8.451	-8.451	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	LV	X	6.124	6.124	0	%100
2	LV	Z	-3.536	-3.536	0	%100
3	M76	X	9.055	9.055	0	%100
4	M76	Z	-5.228	-5.228	0	%100
5	M77	X	4.274	4.274	0	%100
6	M77	Z	-2.468	-2.468	0	%100
7	M78	X	2.205	2.205	0	%100
8	M78	Z	-1.273	-1.273	0	%100
9	M79	X	2.205	2.205	0	%100
10	M79	Z	-1.273	-1.273	0	%100
11	M84	X	.367	.367	0	%100
12	M84	Z	-.212	-.212	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,%]
13	M85	X	0	0	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	17.097	17.097	0	%100
16	M86	Z	-9.871	-9.871	0	%100
17	M87	X	8.819	8.819	0	%100
18	M87	Z	-5.092	-5.092	0	%100
19	M88	X	8.819	8.819	0	%100
20	M88	Z	-5.092	-5.092	0	%100
21	M93	X	1.47	1.47	0	%100
22	M93	Z	-.849	-.849	0	%100
23	M94	X	9.055	9.055	0	%100
24	M94	Z	-5.228	-5.228	0	%100
25	M95	X	4.274	4.274	0	%100
26	M95	Z	-2.468	-2.468	0	%100
27	M96	X	2.205	2.205	0	%100
28	M96	Z	-1.273	-1.273	0	%100
29	M97	X	2.205	2.205	0	%100
30	M97	Z	-1.273	-1.273	0	%100
31	M102	X	.367	.367	0	%100
32	M102	Z	-.212	-.212	0	%100
33	M103	X	3.675	3.675	0	%100
34	M103	Z	-2.121	-2.121	0	%100
35	MP5A	X	6.982	6.982	0	%100
36	MP5A	Z	-4.031	-4.031	0	%100
37	MP2A	X	9.445	9.445	0	%100
38	MP2A	Z	-5.453	-5.453	0	%100
39	OVP	X	6.982	6.982	0	%100
40	OVP	Z	-4.031	-4.031	0	%100
41	MP1A	X	6.982	6.982	0	%100
42	MP1A	Z	-4.031	-4.031	0	%100
43	M49	X	3.697	3.697	0	%100
44	M49	Z	-2.135	-2.135	0	%100
45	LM1	X	3.697	3.697	0	%100
46	LM1	Z	-2.135	-2.135	0	%100
47	MP3A	X	8.451	8.451	0	%100
48	MP3A	Z	-4.879	-4.879	0	%100
49	MP4A	X	6.982	6.982	0	%100
50	MP4A	Z	-4.031	-4.031	0	%100
51	M57	X	6.982	6.982	0	%100
52	M57	Z	-4.031	-4.031	0	%100
53	MP5C	X	6.982	6.982	0	%100
54	MP5C	Z	-4.031	-4.031	0	%100
55	MP2C	X	9.445	9.445	0	%100
56	MP2C	Z	-5.453	-5.453	0	%100
57	M68	X	6.982	6.982	0	%100
58	M68	Z	-4.031	-4.031	0	%100
59	MP1C	X	6.982	6.982	0	%100
60	MP1C	Z	-4.031	-4.031	0	%100
61	MP4C	X	6.982	6.982	0	%100
62	MP4C	Z	-4.031	-4.031	0	%100
63	M78A	X	6.982	6.982	0	%100
64	M78A	Z	-4.031	-4.031	0	%100
65	MP5B	X	6.982	6.982	0	%100
66	MP5B	Z	-4.031	-4.031	0	%100
67	MP2B	X	9.445	9.445	0	%100
68	MP2B	Z	-5.453	-5.453	0	%100
69	M89A	X	6.982	6.982	0	%100
70	M89A	Z	-4.031	-4.031	0	%100
71	MP1B	X	6.982	6.982	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,%]
72	MP1B	Z	-4.031	-4.031	0	%100
73	MP4B	X	6.982	6.982	0	%100
74	MP4B	Z	-4.031	-4.031	0	%100
75	LIGHT	X	6.982	6.982	0	%100
76	LIGHT	Z	-4.031	-4.031	0	%100
77	M98B	X	14.698	14.698	0	%100
78	M98B	Z	-8.486	-8.486	0	%100
79	M99B	X	3.675	3.675	0	%100
80	M99B	Z	-2.121	-2.121	0	%100
81	M98C	X	24.497	24.497	0	%100
82	M98C	Z	-14.143	-14.143	0	%100
83	M99C	X	6.124	6.124	0	%100
84	M99C	Z	-3.536	-3.536	0	%100
85	M100A	X	.379	.379	0	%100
86	M100A	Z	-.219	-.219	0	%100
87	M101A	X	1.515	1.515	0	%100
88	M101A	Z	-.875	-.875	0	%100
89	M102A	X	.379	.379	0	%100
90	M102A	Z	-.219	-.219	0	%100
91	M106	X	12.186	12.186	0	%100
92	M106	Z	-7.035	-7.035	0	%100
93	M107	X	8.323	8.323	0	%100
94	M107	Z	-4.805	-4.805	0	%100
95	M108	X	12.186	12.186	0	%100
96	M108	Z	-7.035	-7.035	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	8.451	8.451	0	%100
102	MP3C	Z	-4.879	-4.879	0	%100
103	M106A	X	3.697	3.697	0	%100
104	M106A	Z	-2.135	-2.135	0	%100
105	M107A	X	3.697	3.697	0	%100
106	M107A	Z	-2.135	-2.135	0	%100
107	MP3B	X	8.451	8.451	0	%100
108	MP3B	Z	-4.879	-4.879	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	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M76	X	13.941	13.941	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	0	0	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	0	0	0	%100
11	M84	X	0	0	0	%100
12	M84	Z	0	0	0	%100
13	M85	X	3.485	3.485	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	14.806	14.806	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	7.637	7.637	0	%100
18	M87	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,%]
19	M88	X	7.637	7.637	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	1.273	1.273	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	3.485	3.485	0	%100
24	M94	Z	0	0	0	%100
25	M95	X	14.806	14.806	0	%100
26	M95	Z	0	0	0	%100
27	M96	X	7.637	7.637	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	7.637	7.637	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	1.273	1.273	0	%100
32	M102	Z	0	0	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	0	0	0	%100
35	MP5A	X	8.062	8.062	0	%100
36	MP5A	Z	0	0	0	%100
37	MP2A	X	10.906	10.906	0	%100
38	MP2A	Z	0	0	0	%100
39	OVP	X	8.062	8.062	0	%100
40	OVP	Z	0	0	0	%100
41	MP1A	X	8.062	8.062	0	%100
42	MP1A	Z	0	0	0	%100
43	M49	X	5.693	5.693	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	5.693	5.693	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	9.759	9.759	0	%100
48	MP3A	Z	0	0	0	%100
49	MP4A	X	8.062	8.062	0	%100
50	MP4A	Z	0	0	0	%100
51	M57	X	8.062	8.062	0	%100
52	M57	Z	0	0	0	%100
53	MP5C	X	8.062	8.062	0	%100
54	MP5C	Z	0	0	0	%100
55	MP2C	X	10.906	10.906	0	%100
56	MP2C	Z	0	0	0	%100
57	M68	X	8.062	8.062	0	%100
58	M68	Z	0	0	0	%100
59	MP1C	X	8.062	8.062	0	%100
60	MP1C	Z	0	0	0	%100
61	MP4C	X	8.062	8.062	0	%100
62	MP4C	Z	0	0	0	%100
63	M78A	X	8.062	8.062	0	%100
64	M78A	Z	0	0	0	%100
65	MP5B	X	8.062	8.062	0	%100
66	MP5B	Z	0	0	0	%100
67	MP2B	X	10.906	10.906	0	%100
68	MP2B	Z	0	0	0	%100
69	M89A	X	8.062	8.062	0	%100
70	M89A	Z	0	0	0	%100
71	MP1B	X	8.062	8.062	0	%100
72	MP1B	Z	0	0	0	%100
73	MP4B	X	8.062	8.062	0	%100
74	MP4B	Z	0	0	0	%100
75	LIGHT	X	8.062	8.062	0	%100
76	LIGHT	Z	0	0	0	%100
77	M98B	X	12.729	12.729	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.%]
78	M98B	Z	0	0	0	%100
79	M99B	X	12.729	12.729	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	21.215	21.215	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	21.215	21.215	0	%100
84	M99C	Z	0	0	0	%100
85	M100A	X	0	0	0	%100
86	M100A	Z	0	0	0	%100
87	M101A	X	1.312	1.312	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	1.312	1.312	0	%100
90	M102A	Z	0	0	0	%100
91	M106	X	15.557	15.557	0	%100
92	M106	Z	0	0	0	%100
93	M107	X	11.097	11.097	0	%100
94	M107	Z	0	0	0	%100
95	M108	X	11.097	11.097	0	%100
96	M108	Z	0	0	0	%100
97	M103B	X	1.423	1.423	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	1.423	1.423	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	9.759	9.759	0	%100
102	MP3C	Z	0	0	0	%100
103	M106A	X	1.423	1.423	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	1.423	1.423	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	9.759	9.759	0	%100
108	MP3B	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	LV	X	6.124	6.124	0	%100
2	LV	Z	3.536	3.536	0	%100
3	M76	X	9.055	9.055	0	%100
4	M76	Z	5.228	5.228	0	%100
5	M77	X	4.274	4.274	0	%100
6	M77	Z	2.468	2.468	0	%100
7	M78	X	2.205	2.205	0	%100
8	M78	Z	1.273	1.273	0	%100
9	M79	X	2.205	2.205	0	%100
10	M79	Z	1.273	1.273	0	%100
11	M84	X	.367	.367	0	%100
12	M84	Z	.212	.212	0	%100
13	M85	X	9.055	9.055	0	%100
14	M85	Z	5.228	5.228	0	%100
15	M86	X	4.274	4.274	0	%100
16	M86	Z	2.468	2.468	0	%100
17	M87	X	2.205	2.205	0	%100
18	M87	Z	1.273	1.273	0	%100
19	M88	X	2.205	2.205	0	%100
20	M88	Z	1.273	1.273	0	%100
21	M93	X	.367	.367	0	%100
22	M93	Z	.212	.212	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	0	0	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, %]
25	M95	X	17.097	17.097	0	%100
26	M95	Z	9.871	9.871	0	%100
27	M96	X	8.819	8.819	0	%100
28	M96	Z	5.092	5.092	0	%100
29	M97	X	8.819	8.819	0	%100
30	M97	Z	5.092	5.092	0	%100
31	M102	X	1.47	1.47	0	%100
32	M102	Z	.849	.849	0	%100
33	M103	X	3.675	3.675	0	%100
34	M103	Z	2.121	2.121	0	%100
35	MP5A	X	6.982	6.982	0	%100
36	MP5A	Z	4.031	4.031	0	%100
37	MP2A	X	9.445	9.445	0	%100
38	MP2A	Z	5.453	5.453	0	%100
39	OVP	X	6.982	6.982	0	%100
40	OVP	Z	4.031	4.031	0	%100
41	MP1A	X	6.982	6.982	0	%100
42	MP1A	Z	4.031	4.031	0	%100
43	M49	X	3.697	3.697	0	%100
44	M49	Z	2.135	2.135	0	%100
45	LM1	X	3.697	3.697	0	%100
46	LM1	Z	2.135	2.135	0	%100
47	MP3A	X	8.451	8.451	0	%100
48	MP3A	Z	4.879	4.879	0	%100
49	MP4A	X	6.982	6.982	0	%100
50	MP4A	Z	4.031	4.031	0	%100
51	M57	X	6.982	6.982	0	%100
52	M57	Z	4.031	4.031	0	%100
53	MP5C	X	6.982	6.982	0	%100
54	MP5C	Z	4.031	4.031	0	%100
55	MP2C	X	9.445	9.445	0	%100
56	MP2C	Z	5.453	5.453	0	%100
57	M68	X	6.982	6.982	0	%100
58	M68	Z	4.031	4.031	0	%100
59	MP1C	X	6.982	6.982	0	%100
60	MP1C	Z	4.031	4.031	0	%100
61	MP4C	X	6.982	6.982	0	%100
62	MP4C	Z	4.031	4.031	0	%100
63	M78A	X	6.982	6.982	0	%100
64	M78A	Z	4.031	4.031	0	%100
65	MP5B	X	6.982	6.982	0	%100
66	MP5B	Z	4.031	4.031	0	%100
67	MP2B	X	9.445	9.445	0	%100
68	MP2B	Z	5.453	5.453	0	%100
69	M89A	X	6.982	6.982	0	%100
70	M89A	Z	4.031	4.031	0	%100
71	MP1B	X	6.982	6.982	0	%100
72	MP1B	Z	4.031	4.031	0	%100
73	MP4B	X	6.982	6.982	0	%100
74	MP4B	Z	4.031	4.031	0	%100
75	LIGHT	X	6.982	6.982	0	%100
76	LIGHT	Z	4.031	4.031	0	%100
77	M98B	X	3.675	3.675	0	%100
78	M98B	Z	2.121	2.121	0	%100
79	M99B	X	14.698	14.698	0	%100
80	M99B	Z	8.486	8.486	0	%100
81	M98C	X	6.124	6.124	0	%100
82	M98C	Z	3.536	3.536	0	%100
83	M99C	X	24.497	24.497	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,%]
84	M99C	Z	14.143	14.143	0	%100
85	M100A	X	.379	.379	0	%100
86	M100A	Z	.219	.219	0	%100
87	M101A	X	.379	.379	0	%100
88	M101A	Z	.219	.219	0	%100
89	M102A	X	1.515	1.515	0	%100
90	M102A	Z	.875	.875	0	%100
91	M106	X	12.186	12.186	0	%100
92	M106	Z	7.035	7.035	0	%100
93	M107	X	12.186	12.186	0	%100
94	M107	Z	7.035	7.035	0	%100
95	M108	X	8.323	8.323	0	%100
96	M108	Z	4.805	4.805	0	%100
97	M103B	X	3.697	3.697	0	%100
98	M103B	Z	2.135	2.135	0	%100
99	M104B	X	3.697	3.697	0	%100
100	M104B	Z	2.135	2.135	0	%100
101	MP3C	X	8.451	8.451	0	%100
102	MP3C	Z	4.879	4.879	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	8.451	8.451	0	%100
108	MP3B	Z	4.879	4.879	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	LV	X	10.607	10.607	0	%100
2	LV	Z	18.373	18.373	0	%100
3	M76	X	1.743	1.743	0	%100
4	M76	Z	3.018	3.018	0	%100
5	M77	X	7.403	7.403	0	%100
6	M77	Z	12.822	12.822	0	%100
7	M78	X	3.819	3.819	0	%100
8	M78	Z	6.614	6.614	0	%100
9	M79	X	3.819	3.819	0	%100
10	M79	Z	6.614	6.614	0	%100
11	M84	X	.636	.636	0	%100
12	M84	Z	1.102	1.102	0	%100
13	M85	X	6.97	6.97	0	%100
14	M85	Z	12.073	12.073	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	0	0	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	1.743	1.743	0	%100
24	M94	Z	3.018	3.018	0	%100
25	M95	X	7.403	7.403	0	%100
26	M95	Z	12.822	12.822	0	%100
27	M96	X	3.819	3.819	0	%100
28	M96	Z	6.614	6.614	0	%100
29	M97	X	3.819	3.819	0	%100
30	M97	Z	6.614	6.614	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,%]
31	M102	X	.636	.636	0	%100
32	M102	Z	1.102	1.102	0	%100
33	M103	X	6.364	6.364	0	%100
34	M103	Z	11.024	11.024	0	%100
35	MP5A	X	4.031	4.031	0	%100
36	MP5A	Z	6.982	6.982	0	%100
37	MP2A	X	5.453	5.453	0	%100
38	MP2A	Z	9.445	9.445	0	%100
39	OVP	X	4.031	4.031	0	%100
40	OVP	Z	6.982	6.982	0	%100
41	MP1A	X	4.031	4.031	0	%100
42	MP1A	Z	6.982	6.982	0	%100
43	M49	X	.712	.712	0	%100
44	M49	Z	1.232	1.232	0	%100
45	LM1	X	.712	.712	0	%100
46	LM1	Z	1.232	1.232	0	%100
47	MP3A	X	4.879	4.879	0	%100
48	MP3A	Z	8.451	8.451	0	%100
49	MP4A	X	4.031	4.031	0	%100
50	MP4A	Z	6.982	6.982	0	%100
51	M57	X	4.031	4.031	0	%100
52	M57	Z	6.982	6.982	0	%100
53	MP5C	X	4.031	4.031	0	%100
54	MP5C	Z	6.982	6.982	0	%100
55	MP2C	X	5.453	5.453	0	%100
56	MP2C	Z	9.445	9.445	0	%100
57	M68	X	4.031	4.031	0	%100
58	M68	Z	6.982	6.982	0	%100
59	MP1C	X	4.031	4.031	0	%100
60	MP1C	Z	6.982	6.982	0	%100
61	MP4C	X	4.031	4.031	0	%100
62	MP4C	Z	6.982	6.982	0	%100
63	M78A	X	4.031	4.031	0	%100
64	M78A	Z	6.982	6.982	0	%100
65	MP5B	X	4.031	4.031	0	%100
66	MP5B	Z	6.982	6.982	0	%100
67	MP2B	X	5.453	5.453	0	%100
68	MP2B	Z	9.445	9.445	0	%100
69	M89A	X	4.031	4.031	0	%100
70	M89A	Z	6.982	6.982	0	%100
71	MP1B	X	4.031	4.031	0	%100
72	MP1B	Z	6.982	6.982	0	%100
73	MP4B	X	4.031	4.031	0	%100
74	MP4B	Z	6.982	6.982	0	%100
75	LIGHT	X	4.031	4.031	0	%100
76	LIGHT	Z	6.982	6.982	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	0	0	0	%100
79	M99B	X	6.364	6.364	0	%100
80	M99B	Z	11.024	11.024	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	10.607	10.607	0	%100
84	M99C	Z	18.373	18.373	0	%100
85	M100A	X	.656	.656	0	%100
86	M100A	Z	1.136	1.136	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	.656	.656	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,%]
90	M102A	Z	1.136	1.136	0	%100
91	M106	X	5.549	5.549	0	%100
92	M106	Z	9.61	9.61	0	%100
93	M107	X	7.779	7.779	0	%100
94	M107	Z	13.473	13.473	0	%100
95	M108	X	5.549	5.549	0	%100
96	M108	Z	9.61	9.61	0	%100
97	M103B	X	2.846	2.846	0	%100
98	M103B	Z	4.93	4.93	0	%100
99	M104B	X	2.846	2.846	0	%100
100	M104B	Z	4.93	4.93	0	%100
101	MP3C	X	4.879	4.879	0	%100
102	MP3C	Z	8.451	8.451	0	%100
103	M106A	X	.712	.712	0	%100
104	M106A	Z	1.232	1.232	0	%100
105	M107A	X	.712	.712	0	%100
106	M107A	Z	1.232	1.232	0	%100
107	MP3B	X	4.879	4.879	0	%100
108	MP3B	Z	8.451	8.451	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	LV	X	0	0	0	%100
2	LV	Z	28.286	28.286	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	19.742	19.742	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	10.183	10.183	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	10.183	10.183	0	%100
11	M84	X	0	0	0	%100
12	M84	Z	1.697	1.697	0	%100
13	M85	X	0	0	0	%100
14	M85	Z	10.455	10.455	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	4.935	4.935	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	2.546	2.546	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	2.546	2.546	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	.424	.424	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	10.455	10.455	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	4.935	4.935	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	2.546	2.546	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	2.546	2.546	0	%100
31	M102	X	0	0	0	%100
32	M102	Z	.424	.424	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	16.972	16.972	0	%100
35	MP5A	X	0	0	0	%100
36	MP5A	Z	8.062	8.062	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,%]
37	MP2A	X	0	0	0	%100
38	MP2A	Z	10.906	10.906	0	%100
39	OVP	X	0	0	0	%100
40	OVP	Z	8.062	8.062	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	8.062	8.062	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	0	0	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	0	0	0	%100
48	MP3A	Z	9.759	9.759	0	%100
49	MP4A	X	0	0	0	%100
50	MP4A	Z	8.062	8.062	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	8.062	8.062	0	%100
53	MP5C	X	0	0	0	%100
54	MP5C	Z	8.062	8.062	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	10.906	10.906	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	8.062	8.062	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	8.062	8.062	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	8.062	8.062	0	%100
63	M78A	X	0	0	0	%100
64	M78A	Z	8.062	8.062	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	8.062	8.062	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	10.906	10.906	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	8.062	8.062	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	8.062	8.062	0	%100
73	MP4B	X	0	0	0	%100
74	MP4B	Z	8.062	8.062	0	%100
75	LIGHT	X	0	0	0	%100
76	LIGHT	Z	8.062	8.062	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	4.243	4.243	0	%100
79	M99B	X	0	0	0	%100
80	M99B	Z	4.243	4.243	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	7.072	7.072	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	7.072	7.072	0	%100
85	M100A	X	0	0	0	%100
86	M100A	Z	1.75	1.75	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	.437	.437	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	.437	.437	0	%100
91	M106	X	0	0	0	%100
92	M106	Z	9.61	9.61	0	%100
93	M107	X	0	0	0	%100
94	M107	Z	14.071	14.071	0	%100
95	M108	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.%]
96	M108	Z	14.071	14.071	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	4.269	4.269	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	4.269	4.269	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	9.759	9.759	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	4.269	4.269	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	4.269	4.269	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	9.759	9.759	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	LV	X	-10.607	-10.607	0	%100
2	LV	Z	18.373	18.373	0	%100
3	M76	X	-1.743	-1.743	0	%100
4	M76	Z	3.018	3.018	0	%100
5	M77	X	-7.403	-7.403	0	%100
6	M77	Z	12.822	12.822	0	%100
7	M78	X	-3.819	-3.819	0	%100
8	M78	Z	6.614	6.614	0	%100
9	M79	X	-3.819	-3.819	0	%100
10	M79	Z	6.614	6.614	0	%100
11	M84	X	-.636	-.636	0	%100
12	M84	Z	1.102	1.102	0	%100
13	M85	X	-1.743	-1.743	0	%100
14	M85	Z	3.018	3.018	0	%100
15	M86	X	-7.403	-7.403	0	%100
16	M86	Z	12.822	12.822	0	%100
17	M87	X	-3.819	-3.819	0	%100
18	M87	Z	6.614	6.614	0	%100
19	M88	X	-3.819	-3.819	0	%100
20	M88	Z	6.614	6.614	0	%100
21	M93	X	-.636	-.636	0	%100
22	M93	Z	1.102	1.102	0	%100
23	M94	X	-6.97	-6.97	0	%100
24	M94	Z	12.073	12.073	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	0	0	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	0	0	0	%100
32	M102	Z	0	0	0	%100
33	M103	X	-6.364	-6.364	0	%100
34	M103	Z	11.024	11.024	0	%100
35	MP5A	X	-4.031	-4.031	0	%100
36	MP5A	Z	6.982	6.982	0	%100
37	MP2A	X	-5.453	-5.453	0	%100
38	MP2A	Z	9.445	9.445	0	%100
39	OVP	X	-4.031	-4.031	0	%100
40	OVP	Z	6.982	6.982	0	%100
41	MP1A	X	-4.031	-4.031	0	%100
42	MP1A	Z	6.982	6.982	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,%]
43	M49	X	-7.12	-7.12	0	%100
44	M49	Z	1.232	1.232	0	%100
45	LM1	X	-7.12	-7.12	0	%100
46	LM1	Z	1.232	1.232	0	%100
47	MP3A	X	-4.879	-4.879	0	%100
48	MP3A	Z	8.451	8.451	0	%100
49	MP4A	X	-4.031	-4.031	0	%100
50	MP4A	Z	6.982	6.982	0	%100
51	M57	X	-4.031	-4.031	0	%100
52	M57	Z	6.982	6.982	0	%100
53	MP5C	X	-4.031	-4.031	0	%100
54	MP5C	Z	6.982	6.982	0	%100
55	MP2C	X	-5.453	-5.453	0	%100
56	MP2C	Z	9.445	9.445	0	%100
57	M68	X	-4.031	-4.031	0	%100
58	M68	Z	6.982	6.982	0	%100
59	MP1C	X	-4.031	-4.031	0	%100
60	MP1C	Z	6.982	6.982	0	%100
61	MP4C	X	-4.031	-4.031	0	%100
62	MP4C	Z	6.982	6.982	0	%100
63	M78A	X	-4.031	-4.031	0	%100
64	M78A	Z	6.982	6.982	0	%100
65	MP5B	X	-4.031	-4.031	0	%100
66	MP5B	Z	6.982	6.982	0	%100
67	MP2B	X	-5.453	-5.453	0	%100
68	MP2B	Z	9.445	9.445	0	%100
69	M89A	X	-4.031	-4.031	0	%100
70	M89A	Z	6.982	6.982	0	%100
71	MP1B	X	-4.031	-4.031	0	%100
72	MP1B	Z	6.982	6.982	0	%100
73	MP4B	X	-4.031	-4.031	0	%100
74	MP4B	Z	6.982	6.982	0	%100
75	LIGHT	X	-4.031	-4.031	0	%100
76	LIGHT	Z	6.982	6.982	0	%100
77	M98B	X	-6.364	-6.364	0	%100
78	M98B	Z	11.024	11.024	0	%100
79	M99B	X	0	0	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	-10.607	-10.607	0	%100
82	M98C	Z	18.373	18.373	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	0	0	0	%100
85	M100A	X	-6.56	-6.56	0	%100
86	M100A	Z	1.136	1.136	0	%100
87	M101A	X	-6.56	-6.56	0	%100
88	M101A	Z	1.136	1.136	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	0	0	0	%100
91	M106	X	-5.549	-5.549	0	%100
92	M106	Z	9.61	9.61	0	%100
93	M107	X	-5.549	-5.549	0	%100
94	M107	Z	9.61	9.61	0	%100
95	M108	X	-7.779	-7.779	0	%100
96	M108	Z	13.473	13.473	0	%100
97	M103B	X	-7.12	-7.12	0	%100
98	M103B	Z	1.232	1.232	0	%100
99	M104B	X	-7.12	-7.12	0	%100
100	M104B	Z	1.232	1.232	0	%100
101	MP3C	X	-4.879	-4.879	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.%]
102	MP3C	Z	8.451	8.451	0	%100
103	M106A	X	-2.846	-2.846	0	%100
104	M106A	Z	4.93	4.93	0	%100
105	M107A	X	-2.846	-2.846	0	%100
106	M107A	Z	4.93	4.93	0	%100
107	MP3B	X	-4.879	-4.879	0	%100
108	MP3B	Z	8.451	8.451	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	LV	X	-6.124	-6.124	0	%100
2	LV	Z	3.536	3.536	0	%100
3	M76	X	-9.055	-9.055	0	%100
4	M76	Z	5.228	5.228	0	%100
5	M77	X	-4.274	-4.274	0	%100
6	M77	Z	2.468	2.468	0	%100
7	M78	X	-2.205	-2.205	0	%100
8	M78	Z	1.273	1.273	0	%100
9	M79	X	-2.205	-2.205	0	%100
10	M79	Z	1.273	1.273	0	%100
11	M84	X	-.367	-.367	0	%100
12	M84	Z	.212	.212	0	%100
13	M85	X	0	0	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	-17.097	-17.097	0	%100
16	M86	Z	9.871	9.871	0	%100
17	M87	X	-8.819	-8.819	0	%100
18	M87	Z	5.092	5.092	0	%100
19	M88	X	-8.819	-8.819	0	%100
20	M88	Z	5.092	5.092	0	%100
21	M93	X	-1.47	-1.47	0	%100
22	M93	Z	.849	.849	0	%100
23	M94	X	-9.055	-9.055	0	%100
24	M94	Z	5.228	5.228	0	%100
25	M95	X	-4.274	-4.274	0	%100
26	M95	Z	2.468	2.468	0	%100
27	M96	X	-2.205	-2.205	0	%100
28	M96	Z	1.273	1.273	0	%100
29	M97	X	-2.205	-2.205	0	%100
30	M97	Z	1.273	1.273	0	%100
31	M102	X	-.367	-.367	0	%100
32	M102	Z	.212	.212	0	%100
33	M103	X	-3.675	-3.675	0	%100
34	M103	Z	2.121	2.121	0	%100
35	MP5A	X	-6.982	-6.982	0	%100
36	MP5A	Z	4.031	4.031	0	%100
37	MP2A	X	-9.445	-9.445	0	%100
38	MP2A	Z	5.453	5.453	0	%100
39	OVP	X	-6.982	-6.982	0	%100
40	OVP	Z	4.031	4.031	0	%100
41	MP1A	X	-6.982	-6.982	0	%100
42	MP1A	Z	4.031	4.031	0	%100
43	M49	X	-3.697	-3.697	0	%100
44	M49	Z	2.135	2.135	0	%100
45	LM1	X	-3.697	-3.697	0	%100
46	LM1	Z	2.135	2.135	0	%100
47	MP3A	X	-8.451	-8.451	0	%100
48	MP3A	Z	4.879	4.879	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, %]
49	MP4A	X	-6.982	-6.982	0	%100
50	MP4A	Z	4.031	4.031	0	%100
51	M57	X	-6.982	-6.982	0	%100
52	M57	Z	4.031	4.031	0	%100
53	MP5C	X	-6.982	-6.982	0	%100
54	MP5C	Z	4.031	4.031	0	%100
55	MP2C	X	-9.445	-9.445	0	%100
56	MP2C	Z	5.453	5.453	0	%100
57	M68	X	-6.982	-6.982	0	%100
58	M68	Z	4.031	4.031	0	%100
59	MP1C	X	-6.982	-6.982	0	%100
60	MP1C	Z	4.031	4.031	0	%100
61	MP4C	X	-6.982	-6.982	0	%100
62	MP4C	Z	4.031	4.031	0	%100
63	M78A	X	-6.982	-6.982	0	%100
64	M78A	Z	4.031	4.031	0	%100
65	MP5B	X	-6.982	-6.982	0	%100
66	MP5B	Z	4.031	4.031	0	%100
67	MP2B	X	-9.445	-9.445	0	%100
68	MP2B	Z	5.453	5.453	0	%100
69	M89A	X	-6.982	-6.982	0	%100
70	M89A	Z	4.031	4.031	0	%100
71	MP1B	X	-6.982	-6.982	0	%100
72	MP1B	Z	4.031	4.031	0	%100
73	MP4B	X	-6.982	-6.982	0	%100
74	MP4B	Z	4.031	4.031	0	%100
75	LIGHT	X	-6.982	-6.982	0	%100
76	LIGHT	Z	4.031	4.031	0	%100
77	M98B	X	-14.698	-14.698	0	%100
78	M98B	Z	8.486	8.486	0	%100
79	M99B	X	-3.675	-3.675	0	%100
80	M99B	Z	2.121	2.121	0	%100
81	M98C	X	-24.497	-24.497	0	%100
82	M98C	Z	14.143	14.143	0	%100
83	M99C	X	-6.124	-6.124	0	%100
84	M99C	Z	3.536	3.536	0	%100
85	M100A	X	-.379	-.379	0	%100
86	M100A	Z	.219	.219	0	%100
87	M101A	X	-1.515	-1.515	0	%100
88	M101A	Z	.875	.875	0	%100
89	M102A	X	-.379	-.379	0	%100
90	M102A	Z	.219	.219	0	%100
91	M106	X	-12.186	-12.186	0	%100
92	M106	Z	7.035	7.035	0	%100
93	M107	X	-8.323	-8.323	0	%100
94	M107	Z	4.805	4.805	0	%100
95	M108	X	-12.186	-12.186	0	%100
96	M108	Z	7.035	7.035	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	-8.451	-8.451	0	%100
102	MP3C	Z	4.879	4.879	0	%100
103	M106A	X	-3.697	-3.697	0	%100
104	M106A	Z	2.135	2.135	0	%100
105	M107A	X	-3.697	-3.697	0	%100
106	M107A	Z	2.135	2.135	0	%100
107	MP3B	X	-8.451	-8.451	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.%]
108	MP3B	Z	4.879	4.879	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	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M76	X	-13.941	-13.941	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	0	0	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	0	0	0	%100
11	M84	X	0	0	0	%100
12	M84	Z	0	0	0	%100
13	M85	X	-3.485	-3.485	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	-14.806	-14.806	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	-7.637	-7.637	0	%100
18	M87	Z	0	0	0	%100
19	M88	X	-7.637	-7.637	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	-1.273	-1.273	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	-3.485	-3.485	0	%100
24	M94	Z	0	0	0	%100
25	M95	X	-14.806	-14.806	0	%100
26	M95	Z	0	0	0	%100
27	M96	X	-7.637	-7.637	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	-7.637	-7.637	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	-1.273	-1.273	0	%100
32	M102	Z	0	0	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	0	0	0	%100
35	MP5A	X	-8.062	-8.062	0	%100
36	MP5A	Z	0	0	0	%100
37	MP2A	X	-10.906	-10.906	0	%100
38	MP2A	Z	0	0	0	%100
39	OVP	X	-8.062	-8.062	0	%100
40	OVP	Z	0	0	0	%100
41	MP1A	X	-8.062	-8.062	0	%100
42	MP1A	Z	0	0	0	%100
43	M49	X	-5.693	-5.693	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	-5.693	-5.693	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	-9.759	-9.759	0	%100
48	MP3A	Z	0	0	0	%100
49	MP4A	X	-8.062	-8.062	0	%100
50	MP4A	Z	0	0	0	%100
51	M57	X	-8.062	-8.062	0	%100
52	M57	Z	0	0	0	%100
53	MP5C	X	-8.062	-8.062	0	%100
54	MP5C	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,%]
55	MP2C	X	-10.906	-10.906	0	%100
56	MP2C	Z	0	0	0	%100
57	M68	X	-8.062	-8.062	0	%100
58	M68	Z	0	0	0	%100
59	MP1C	X	-8.062	-8.062	0	%100
60	MP1C	Z	0	0	0	%100
61	MP4C	X	-8.062	-8.062	0	%100
62	MP4C	Z	0	0	0	%100
63	M78A	X	-8.062	-8.062	0	%100
64	M78A	Z	0	0	0	%100
65	MP5B	X	-8.062	-8.062	0	%100
66	MP5B	Z	0	0	0	%100
67	MP2B	X	-10.906	-10.906	0	%100
68	MP2B	Z	0	0	0	%100
69	M89A	X	-8.062	-8.062	0	%100
70	M89A	Z	0	0	0	%100
71	MP1B	X	-8.062	-8.062	0	%100
72	MP1B	Z	0	0	0	%100
73	MP4B	X	-8.062	-8.062	0	%100
74	MP4B	Z	0	0	0	%100
75	LIGHT	X	-8.062	-8.062	0	%100
76	LIGHT	Z	0	0	0	%100
77	M98B	X	-12.729	-12.729	0	%100
78	M98B	Z	0	0	0	%100
79	M99B	X	-12.729	-12.729	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	-21.215	-21.215	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	-21.215	-21.215	0	%100
84	M99C	Z	0	0	0	%100
85	M100A	X	0	0	0	%100
86	M100A	Z	0	0	0	%100
87	M101A	X	-1.312	-1.312	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	-1.312	-1.312	0	%100
90	M102A	Z	0	0	0	%100
91	M106	X	-15.557	-15.557	0	%100
92	M106	Z	0	0	0	%100
93	M107	X	-11.097	-11.097	0	%100
94	M107	Z	0	0	0	%100
95	M108	X	-11.097	-11.097	0	%100
96	M108	Z	0	0	0	%100
97	M103B	X	-1.423	-1.423	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	-1.423	-1.423	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	-9.759	-9.759	0	%100
102	MP3C	Z	0	0	0	%100
103	M106A	X	-1.423	-1.423	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	-1.423	-1.423	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	-9.759	-9.759	0	%100
108	MP3B	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	LV	X	-6.124	-6.124	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.%]
2	LV	Z	-3.536	-3.536	0	%100
3	M76	X	-9.055	-9.055	0	%100
4	M76	Z	-5.228	-5.228	0	%100
5	M77	X	-4.274	-4.274	0	%100
6	M77	Z	-2.468	-2.468	0	%100
7	M78	X	-2.205	-2.205	0	%100
8	M78	Z	-1.273	-1.273	0	%100
9	M79	X	-2.205	-2.205	0	%100
10	M79	Z	-1.273	-1.273	0	%100
11	M84	X	-.367	-.367	0	%100
12	M84	Z	-.212	-.212	0	%100
13	M85	X	-9.055	-9.055	0	%100
14	M85	Z	-5.228	-5.228	0	%100
15	M86	X	-4.274	-4.274	0	%100
16	M86	Z	-2.468	-2.468	0	%100
17	M87	X	-2.205	-2.205	0	%100
18	M87	Z	-1.273	-1.273	0	%100
19	M88	X	-2.205	-2.205	0	%100
20	M88	Z	-1.273	-1.273	0	%100
21	M93	X	-.367	-.367	0	%100
22	M93	Z	-.212	-.212	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	0	0	0	%100
25	M95	X	-17.097	-17.097	0	%100
26	M95	Z	-9.871	-9.871	0	%100
27	M96	X	-8.819	-8.819	0	%100
28	M96	Z	-5.092	-5.092	0	%100
29	M97	X	-8.819	-8.819	0	%100
30	M97	Z	-5.092	-5.092	0	%100
31	M102	X	-1.47	-1.47	0	%100
32	M102	Z	-.849	-.849	0	%100
33	M103	X	-3.675	-3.675	0	%100
34	M103	Z	-2.121	-2.121	0	%100
35	MP5A	X	-6.982	-6.982	0	%100
36	MP5A	Z	-4.031	-4.031	0	%100
37	MP2A	X	-9.445	-9.445	0	%100
38	MP2A	Z	-5.453	-5.453	0	%100
39	OVP	X	-6.982	-6.982	0	%100
40	OVP	Z	-4.031	-4.031	0	%100
41	MP1A	X	-6.982	-6.982	0	%100
42	MP1A	Z	-4.031	-4.031	0	%100
43	M49	X	-3.697	-3.697	0	%100
44	M49	Z	-2.135	-2.135	0	%100
45	LM1	X	-3.697	-3.697	0	%100
46	LM1	Z	-2.135	-2.135	0	%100
47	MP3A	X	-8.451	-8.451	0	%100
48	MP3A	Z	-4.879	-4.879	0	%100
49	MP4A	X	-6.982	-6.982	0	%100
50	MP4A	Z	-4.031	-4.031	0	%100
51	M57	X	-6.982	-6.982	0	%100
52	M57	Z	-4.031	-4.031	0	%100
53	MP5C	X	-6.982	-6.982	0	%100
54	MP5C	Z	-4.031	-4.031	0	%100
55	MP2C	X	-9.445	-9.445	0	%100
56	MP2C	Z	-5.453	-5.453	0	%100
57	M68	X	-6.982	-6.982	0	%100
58	M68	Z	-4.031	-4.031	0	%100
59	MP1C	X	-6.982	-6.982	0	%100
60	MP1C	Z	-4.031	-4.031	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, %]
61	MP4C	X	-6.982	-6.982	0	%100
62	MP4C	Z	-4.031	-4.031	0	%100
63	M78A	X	-6.982	-6.982	0	%100
64	M78A	Z	-4.031	-4.031	0	%100
65	MP5B	X	-6.982	-6.982	0	%100
66	MP5B	Z	-4.031	-4.031	0	%100
67	MP2B	X	-9.445	-9.445	0	%100
68	MP2B	Z	-5.453	-5.453	0	%100
69	M89A	X	-6.982	-6.982	0	%100
70	M89A	Z	-4.031	-4.031	0	%100
71	MP1B	X	-6.982	-6.982	0	%100
72	MP1B	Z	-4.031	-4.031	0	%100
73	MP4B	X	-6.982	-6.982	0	%100
74	MP4B	Z	-4.031	-4.031	0	%100
75	LIGHT	X	-6.982	-6.982	0	%100
76	LIGHT	Z	-4.031	-4.031	0	%100
77	M98B	X	-3.675	-3.675	0	%100
78	M98B	Z	-2.121	-2.121	0	%100
79	M99B	X	-14.698	-14.698	0	%100
80	M99B	Z	-8.486	-8.486	0	%100
81	M98C	X	-6.124	-6.124	0	%100
82	M98C	Z	-3.536	-3.536	0	%100
83	M99C	X	-24.497	-24.497	0	%100
84	M99C	Z	-14.143	-14.143	0	%100
85	M100A	X	-.379	-.379	0	%100
86	M100A	Z	-.219	-.219	0	%100
87	M101A	X	-.379	-.379	0	%100
88	M101A	Z	-.219	-.219	0	%100
89	M102A	X	-1.515	-1.515	0	%100
90	M102A	Z	-.875	-.875	0	%100
91	M106	X	-12.186	-12.186	0	%100
92	M106	Z	-7.035	-7.035	0	%100
93	M107	X	-12.186	-12.186	0	%100
94	M107	Z	-7.035	-7.035	0	%100
95	M108	X	-8.323	-8.323	0	%100
96	M108	Z	-4.805	-4.805	0	%100
97	M103B	X	-3.697	-3.697	0	%100
98	M103B	Z	-2.135	-2.135	0	%100
99	M104B	X	-3.697	-3.697	0	%100
100	M104B	Z	-2.135	-2.135	0	%100
101	MP3C	X	-8.451	-8.451	0	%100
102	MP3C	Z	-4.879	-4.879	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	-8.451	-8.451	0	%100
108	MP3B	Z	-4.879	-4.879	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	LV	X	-10.607	-10.607	0	%100
2	LV	Z	-18.373	-18.373	0	%100
3	M76	X	-1.743	-1.743	0	%100
4	M76	Z	-3.018	-3.018	0	%100
5	M77	X	-7.403	-7.403	0	%100
6	M77	Z	-12.822	-12.822	0	%100
7	M78	X	-3.819	-3.819	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.%]
8	M78	Z	-6.614	-6.614	0	%100
9	M79	X	-3.819	-3.819	0	%100
10	M79	Z	-6.614	-6.614	0	%100
11	M84	X	-.636	-.636	0	%100
12	M84	Z	-1.102	-1.102	0	%100
13	M85	X	-6.97	-6.97	0	%100
14	M85	Z	-12.073	-12.073	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	0	0	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	-1.743	-1.743	0	%100
24	M94	Z	-3.018	-3.018	0	%100
25	M95	X	-7.403	-7.403	0	%100
26	M95	Z	-12.822	-12.822	0	%100
27	M96	X	-3.819	-3.819	0	%100
28	M96	Z	-6.614	-6.614	0	%100
29	M97	X	-3.819	-3.819	0	%100
30	M97	Z	-6.614	-6.614	0	%100
31	M102	X	-.636	-.636	0	%100
32	M102	Z	-1.102	-1.102	0	%100
33	M103	X	-6.364	-6.364	0	%100
34	M103	Z	-11.024	-11.024	0	%100
35	MP5A	X	-4.031	-4.031	0	%100
36	MP5A	Z	-6.982	-6.982	0	%100
37	MP2A	X	-5.453	-5.453	0	%100
38	MP2A	Z	-9.445	-9.445	0	%100
39	OVP	X	-4.031	-4.031	0	%100
40	OVP	Z	-6.982	-6.982	0	%100
41	MP1A	X	-4.031	-4.031	0	%100
42	MP1A	Z	-6.982	-6.982	0	%100
43	M49	X	-.712	-.712	0	%100
44	M49	Z	-1.232	-1.232	0	%100
45	LM1	X	-.712	-.712	0	%100
46	LM1	Z	-1.232	-1.232	0	%100
47	MP3A	X	-4.879	-4.879	0	%100
48	MP3A	Z	-8.451	-8.451	0	%100
49	MP4A	X	-4.031	-4.031	0	%100
50	MP4A	Z	-6.982	-6.982	0	%100
51	M57	X	-4.031	-4.031	0	%100
52	M57	Z	-6.982	-6.982	0	%100
53	MP5C	X	-4.031	-4.031	0	%100
54	MP5C	Z	-6.982	-6.982	0	%100
55	MP2C	X	-5.453	-5.453	0	%100
56	MP2C	Z	-9.445	-9.445	0	%100
57	M68	X	-4.031	-4.031	0	%100
58	M68	Z	-6.982	-6.982	0	%100
59	MP1C	X	-4.031	-4.031	0	%100
60	MP1C	Z	-6.982	-6.982	0	%100
61	MP4C	X	-4.031	-4.031	0	%100
62	MP4C	Z	-6.982	-6.982	0	%100
63	M78A	X	-4.031	-4.031	0	%100
64	M78A	Z	-6.982	-6.982	0	%100
65	MP5B	X	-4.031	-4.031	0	%100
66	MP5B	Z	-6.982	-6.982	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,%]
67	MP2B	X	-5.453	-5.453	0	%100
68	MP2B	Z	-9.445	-9.445	0	%100
69	M89A	X	-4.031	-4.031	0	%100
70	M89A	Z	-6.982	-6.982	0	%100
71	MP1B	X	-4.031	-4.031	0	%100
72	MP1B	Z	-6.982	-6.982	0	%100
73	MP4B	X	-4.031	-4.031	0	%100
74	MP4B	Z	-6.982	-6.982	0	%100
75	LIGHT	X	-4.031	-4.031	0	%100
76	LIGHT	Z	-6.982	-6.982	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	0	0	0	%100
79	M99B	X	-6.364	-6.364	0	%100
80	M99B	Z	-11.024	-11.024	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	-10.607	-10.607	0	%100
84	M99C	Z	-18.373	-18.373	0	%100
85	M100A	X	-.656	-.656	0	%100
86	M100A	Z	-1.136	-1.136	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	-.656	-.656	0	%100
90	M102A	Z	-1.136	-1.136	0	%100
91	M106	X	-5.549	-5.549	0	%100
92	M106	Z	-9.61	-9.61	0	%100
93	M107	X	-7.779	-7.779	0	%100
94	M107	Z	-13.473	-13.473	0	%100
95	M108	X	-5.549	-5.549	0	%100
96	M108	Z	-9.61	-9.61	0	%100
97	M103B	X	-2.846	-2.846	0	%100
98	M103B	Z	-4.93	-4.93	0	%100
99	M104B	X	-2.846	-2.846	0	%100
100	M104B	Z	-4.93	-4.93	0	%100
101	MP3C	X	-4.879	-4.879	0	%100
102	MP3C	Z	-8.451	-8.451	0	%100
103	M106A	X	-.712	-.712	0	%100
104	M106A	Z	-1.232	-1.232	0	%100
105	M107A	X	-.712	-.712	0	%100
106	M107A	Z	-1.232	-1.232	0	%100
107	MP3B	X	-4.879	-4.879	0	%100
108	MP3B	Z	-8.451	-8.451	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	LV	X	0	0	0	%100
2	LV	Z	-6.272	-6.272	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	-4.788	-4.788	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	-2.562	-2.562	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	-2.562	-2.562	0	%100
11	M84	X	0	0	0	%100
12	M84	Z	-1.189	-1.189	0	%100
13	M85	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.%]
14	M85	Z	-2.836	-2.836	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	-1.197	-1.197	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	-.64	-.64	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	-.64	-.64	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	-.297	-.297	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	-2.836	-2.836	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	-1.197	-1.197	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	-.64	-.64	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	-.64	-.64	0	%100
31	M102	X	0	0	0	%100
32	M102	Z	-.297	-.297	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	-4.307	-4.307	0	%100
35	MP5A	X	0	0	0	%100
36	MP5A	Z	-2.76	-2.76	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-3.254	-3.254	0	%100
39	OVP	X	0	0	0	%100
40	OVP	Z	-2.76	-2.76	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	-2.76	-2.76	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	0	0	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	0	0	0	%100
48	MP3A	Z	-3.055	-3.055	0	%100
49	MP4A	X	0	0	0	%100
50	MP4A	Z	-2.76	-2.76	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	-2.76	-2.76	0	%100
53	MP5C	X	0	0	0	%100
54	MP5C	Z	-2.76	-2.76	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	-3.254	-3.254	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-2.76	-2.76	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	-2.76	-2.76	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	-2.76	-2.76	0	%100
63	M78A	X	0	0	0	%100
64	M78A	Z	-2.76	-2.76	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-2.76	-2.76	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-3.254	-3.254	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	-2.76	-2.76	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-2.76	-2.76	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,%]
73	MP4B	X	0	0	0	%100
74	MP4B	Z	-2.76	-2.76	0	%100
75	LIGHT	X	0	0	0	%100
76	LIGHT	Z	-2.76	-2.76	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	-1.077	-1.077	0	%100
79	M99B	X	0	0	0	%100
80	M99B	Z	-1.077	-1.077	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	-1.568	-1.568	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	-1.568	-1.568	0	%100
85	M100A	X	0	0	0	%100
86	M100A	Z	-1.253	-1.253	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	-.313	-.313	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	-.313	-.313	0	%100
91	M106	X	0	0	0	%100
92	M106	Z	-2.158	-2.158	0	%100
93	M107	X	0	0	0	%100
94	M107	Z	-3.586	-3.586	0	%100
95	M108	X	0	0	0	%100
96	M108	Z	-3.586	-3.586	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	-1.337	-1.337	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	-1.337	-1.337	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	-3.055	-3.055	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	-1.337	-1.337	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	-1.337	-1.337	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-3.055	-3.055	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	LV	X	2.352	2.352	0	%100
2	LV	Z	-4.074	-4.074	0	%100
3	M76	X	.473	.473	0	%100
4	M76	Z	-.819	-.819	0	%100
5	M77	X	1.796	1.796	0	%100
6	M77	Z	-3.11	-3.11	0	%100
7	M78	X	.961	.961	0	%100
8	M78	Z	-1.664	-1.664	0	%100
9	M79	X	.961	.961	0	%100
10	M79	Z	-1.664	-1.664	0	%100
11	M84	X	.446	.446	0	%100
12	M84	Z	-.772	-.772	0	%100
13	M85	X	.473	.473	0	%100
14	M85	Z	-.819	-.819	0	%100
15	M86	X	1.796	1.796	0	%100
16	M86	Z	-3.11	-3.11	0	%100
17	M87	X	.961	.961	0	%100
18	M87	Z	-1.664	-1.664	0	%100
19	M88	X	.961	.961	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.%]
20	M88	Z	-1.664	-1.664	0	%100
21	M93	X	.446	.446	0	%100
22	M93	Z	-.772	-.772	0	%100
23	M94	X	1.891	1.891	0	%100
24	M94	Z	-3.274	-3.274	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	0	0	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	0	0	0	%100
32	M102	Z	0	0	0	%100
33	M103	X	1.615	1.615	0	%100
34	M103	Z	-2.798	-2.798	0	%100
35	MP5A	X	1.38	1.38	0	%100
36	MP5A	Z	-2.391	-2.391	0	%100
37	MP2A	X	1.627	1.627	0	%100
38	MP2A	Z	-2.818	-2.818	0	%100
39	OVP	X	1.38	1.38	0	%100
40	OVP	Z	-2.391	-2.391	0	%100
41	MP1A	X	1.38	1.38	0	%100
42	MP1A	Z	-2.391	-2.391	0	%100
43	M49	X	.223	.223	0	%100
44	M49	Z	-.386	-.386	0	%100
45	LM1	X	.223	.223	0	%100
46	LM1	Z	-.386	-.386	0	%100
47	MP3A	X	1.528	1.528	0	%100
48	MP3A	Z	-2.646	-2.646	0	%100
49	MP4A	X	1.38	1.38	0	%100
50	MP4A	Z	-2.391	-2.391	0	%100
51	M57	X	1.38	1.38	0	%100
52	M57	Z	-2.391	-2.391	0	%100
53	MP5C	X	1.38	1.38	0	%100
54	MP5C	Z	-2.391	-2.391	0	%100
55	MP2C	X	1.627	1.627	0	%100
56	MP2C	Z	-2.818	-2.818	0	%100
57	M68	X	1.38	1.38	0	%100
58	M68	Z	-2.391	-2.391	0	%100
59	MP1C	X	1.38	1.38	0	%100
60	MP1C	Z	-2.391	-2.391	0	%100
61	MP4C	X	1.38	1.38	0	%100
62	MP4C	Z	-2.391	-2.391	0	%100
63	M78A	X	1.38	1.38	0	%100
64	M78A	Z	-2.391	-2.391	0	%100
65	MP5B	X	1.38	1.38	0	%100
66	MP5B	Z	-2.391	-2.391	0	%100
67	MP2B	X	1.627	1.627	0	%100
68	MP2B	Z	-2.818	-2.818	0	%100
69	M89A	X	1.38	1.38	0	%100
70	M89A	Z	-2.391	-2.391	0	%100
71	MP1B	X	1.38	1.38	0	%100
72	MP1B	Z	-2.391	-2.391	0	%100
73	MP4B	X	1.38	1.38	0	%100
74	MP4B	Z	-2.391	-2.391	0	%100
75	LIGHT	X	1.38	1.38	0	%100
76	LIGHT	Z	-2.391	-2.391	0	%100
77	M98B	X	1.615	1.615	0	%100
78	M98B	Z	-2.798	-2.798	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,%]
79	M99B	X	0	0	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	2.352	2.352	0	%100
82	M98C	Z	-4.074	-4.074	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	0	0	0	%100
85	M100A	X	.47	.47	0	%100
86	M100A	Z	-.814	-.814	0	%100
87	M101A	X	.47	.47	0	%100
88	M101A	Z	-.814	-.814	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	0	0	0	%100
91	M106	X	1.317	1.317	0	%100
92	M106	Z	-2.281	-2.281	0	%100
93	M107	X	1.317	1.317	0	%100
94	M107	Z	-2.281	-2.281	0	%100
95	M108	X	2.031	2.031	0	%100
96	M108	Z	-3.518	-3.518	0	%100
97	M103B	X	.223	.223	0	%100
98	M103B	Z	-.386	-.386	0	%100
99	M104B	X	.223	.223	0	%100
100	M104B	Z	-.386	-.386	0	%100
101	MP3C	X	1.528	1.528	0	%100
102	MP3C	Z	-2.646	-2.646	0	%100
103	M106A	X	.891	.891	0	%100
104	M106A	Z	-1.543	-1.543	0	%100
105	M107A	X	.891	.891	0	%100
106	M107A	Z	-1.543	-1.543	0	%100
107	MP3B	X	1.528	1.528	0	%100
108	MP3B	Z	-2.646	-2.646	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	LV	X	1.358	1.358	0	%100
2	LV	Z	-.784	-.784	0	%100
3	M76	X	2.456	2.456	0	%100
4	M76	Z	-1.418	-1.418	0	%100
5	M77	X	1.037	1.037	0	%100
6	M77	Z	-.599	-.599	0	%100
7	M78	X	.555	.555	0	%100
8	M78	Z	-.32	-.32	0	%100
9	M79	X	.555	.555	0	%100
10	M79	Z	-.32	-.32	0	%100
11	M84	X	.257	.257	0	%100
12	M84	Z	-.149	-.149	0	%100
13	M85	X	0	0	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	4.147	4.147	0	%100
16	M86	Z	-2.394	-2.394	0	%100
17	M87	X	2.218	2.218	0	%100
18	M87	Z	-1.281	-1.281	0	%100
19	M88	X	2.218	2.218	0	%100
20	M88	Z	-1.281	-1.281	0	%100
21	M93	X	1.03	1.03	0	%100
22	M93	Z	-.595	-.595	0	%100
23	M94	X	2.456	2.456	0	%100
24	M94	Z	-1.418	-1.418	0	%100
25	M95	X	1.037	1.037	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.%]
26	M95	Z	-.599	-.599	0	%100
27	M96	X	.555	.555	0	%100
28	M96	Z	-.32	-.32	0	%100
29	M97	X	.555	.555	0	%100
30	M97	Z	-.32	-.32	0	%100
31	M102	X	.257	.257	0	%100
32	M102	Z	-.149	-.149	0	%100
33	M103	X	.933	.933	0	%100
34	M103	Z	-.538	-.538	0	%100
35	MP5A	X	2.391	2.391	0	%100
36	MP5A	Z	-1.38	-1.38	0	%100
37	MP2A	X	2.818	2.818	0	%100
38	MP2A	Z	-1.627	-1.627	0	%100
39	OVP	X	2.391	2.391	0	%100
40	OVP	Z	-1.38	-1.38	0	%100
41	MP1A	X	2.391	2.391	0	%100
42	MP1A	Z	-1.38	-1.38	0	%100
43	M49	X	1.158	1.158	0	%100
44	M49	Z	-.668	-.668	0	%100
45	LM1	X	1.158	1.158	0	%100
46	LM1	Z	-.668	-.668	0	%100
47	MP3A	X	2.646	2.646	0	%100
48	MP3A	Z	-1.528	-1.528	0	%100
49	MP4A	X	2.391	2.391	0	%100
50	MP4A	Z	-1.38	-1.38	0	%100
51	M57	X	2.391	2.391	0	%100
52	M57	Z	-1.38	-1.38	0	%100
53	MP5C	X	2.391	2.391	0	%100
54	MP5C	Z	-1.38	-1.38	0	%100
55	MP2C	X	2.818	2.818	0	%100
56	MP2C	Z	-1.627	-1.627	0	%100
57	M68	X	2.391	2.391	0	%100
58	M68	Z	-1.38	-1.38	0	%100
59	MP1C	X	2.391	2.391	0	%100
60	MP1C	Z	-1.38	-1.38	0	%100
61	MP4C	X	2.391	2.391	0	%100
62	MP4C	Z	-1.38	-1.38	0	%100
63	M78A	X	2.391	2.391	0	%100
64	M78A	Z	-1.38	-1.38	0	%100
65	MP5B	X	2.391	2.391	0	%100
66	MP5B	Z	-1.38	-1.38	0	%100
67	MP2B	X	2.818	2.818	0	%100
68	MP2B	Z	-1.627	-1.627	0	%100
69	M89A	X	2.391	2.391	0	%100
70	M89A	Z	-1.38	-1.38	0	%100
71	MP1B	X	2.391	2.391	0	%100
72	MP1B	Z	-1.38	-1.38	0	%100
73	MP4B	X	2.391	2.391	0	%100
74	MP4B	Z	-1.38	-1.38	0	%100
75	LIGHT	X	2.391	2.391	0	%100
76	LIGHT	Z	-1.38	-1.38	0	%100
77	M98B	X	3.73	3.73	0	%100
78	M98B	Z	-2.154	-2.154	0	%100
79	M99B	X	.933	.933	0	%100
80	M99B	Z	-.538	-.538	0	%100
81	M98C	X	5.431	5.431	0	%100
82	M98C	Z	-3.136	-3.136	0	%100
83	M99C	X	1.358	1.358	0	%100
84	M99C	Z	-.784	-.784	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,%]
85	M100A	X	.271	.271	0	%100
86	M100A	Z	-.157	-.157	0	%100
87	M101A	X	1.085	1.085	0	%100
88	M101A	Z	-.626	-.626	0	%100
89	M102A	X	.271	.271	0	%100
90	M102A	Z	-.157	-.157	0	%100
91	M106	X	3.105	3.105	0	%100
92	M106	Z	-1.793	-1.793	0	%100
93	M107	X	1.869	1.869	0	%100
94	M107	Z	-1.079	-1.079	0	%100
95	M108	X	3.105	3.105	0	%100
96	M108	Z	-1.793	-1.793	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	2.646	2.646	0	%100
102	MP3C	Z	-1.528	-1.528	0	%100
103	M106A	X	1.158	1.158	0	%100
104	M106A	Z	-.668	-.668	0	%100
105	M107A	X	1.158	1.158	0	%100
106	M107A	Z	-.668	-.668	0	%100
107	MP3B	X	2.646	2.646	0	%100
108	MP3B	Z	-1.528	-1.528	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	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M76	X	3.781	3.781	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	0	0	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	0	0	0	%100
11	M84	X	0	0	0	%100
12	M84	Z	0	0	0	%100
13	M85	X	.945	.945	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	3.591	3.591	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	1.921	1.921	0	%100
18	M87	Z	0	0	0	%100
19	M88	X	1.921	1.921	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	.892	.892	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	.945	.945	0	%100
24	M94	Z	0	0	0	%100
25	M95	X	3.591	3.591	0	%100
26	M95	Z	0	0	0	%100
27	M96	X	1.921	1.921	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	1.921	1.921	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	.892	.892	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.%]
32	M102	Z	0	0	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	0	0	0	%100
35	MP5A	X	2.76	2.76	0	%100
36	MP5A	Z	0	0	0	%100
37	MP2A	X	3.254	3.254	0	%100
38	MP2A	Z	0	0	0	%100
39	OVP	X	2.76	2.76	0	%100
40	OVP	Z	0	0	0	%100
41	MP1A	X	2.76	2.76	0	%100
42	MP1A	Z	0	0	0	%100
43	M49	X	1.782	1.782	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	1.782	1.782	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	3.055	3.055	0	%100
48	MP3A	Z	0	0	0	%100
49	MP4A	X	2.76	2.76	0	%100
50	MP4A	Z	0	0	0	%100
51	M57	X	2.76	2.76	0	%100
52	M57	Z	0	0	0	%100
53	MP5C	X	2.76	2.76	0	%100
54	MP5C	Z	0	0	0	%100
55	MP2C	X	3.254	3.254	0	%100
56	MP2C	Z	0	0	0	%100
57	M68	X	2.76	2.76	0	%100
58	M68	Z	0	0	0	%100
59	MP1C	X	2.76	2.76	0	%100
60	MP1C	Z	0	0	0	%100
61	MP4C	X	2.76	2.76	0	%100
62	MP4C	Z	0	0	0	%100
63	M78A	X	2.76	2.76	0	%100
64	M78A	Z	0	0	0	%100
65	MP5B	X	2.76	2.76	0	%100
66	MP5B	Z	0	0	0	%100
67	MP2B	X	3.254	3.254	0	%100
68	MP2B	Z	0	0	0	%100
69	M89A	X	2.76	2.76	0	%100
70	M89A	Z	0	0	0	%100
71	MP1B	X	2.76	2.76	0	%100
72	MP1B	Z	0	0	0	%100
73	MP4B	X	2.76	2.76	0	%100
74	MP4B	Z	0	0	0	%100
75	LIGHT	X	2.76	2.76	0	%100
76	LIGHT	Z	0	0	0	%100
77	M98B	X	3.23	3.23	0	%100
78	M98B	Z	0	0	0	%100
79	M99B	X	3.23	3.23	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	4.704	4.704	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	4.704	4.704	0	%100
84	M99C	Z	0	0	0	%100
85	M100A	X	0	0	0	%100
86	M100A	Z	0	0	0	%100
87	M101A	X	.94	.94	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	.94	.94	0	%100
90	M102A	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,%]
91	M106	X	4.062	4.062	0	%100
92	M106	Z	0	0	0	%100
93	M107	X	2.634	2.634	0	%100
94	M107	Z	0	0	0	%100
95	M108	X	2.634	2.634	0	%100
96	M108	Z	0	0	0	%100
97	M103B	X	.446	.446	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	.446	.446	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	3.055	3.055	0	%100
102	MP3C	Z	0	0	0	%100
103	M106A	X	.446	.446	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	.446	.446	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	3.055	3.055	0	%100
108	MP3B	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	LV	X	1.358	1.358	0	%100
2	LV	Z	.784	.784	0	%100
3	M76	X	2.456	2.456	0	%100
4	M76	Z	1.418	1.418	0	%100
5	M77	X	1.037	1.037	0	%100
6	M77	Z	.599	.599	0	%100
7	M78	X	.555	.555	0	%100
8	M78	Z	.32	.32	0	%100
9	M79	X	.555	.555	0	%100
10	M79	Z	.32	.32	0	%100
11	M84	X	.257	.257	0	%100
12	M84	Z	.149	.149	0	%100
13	M85	X	2.456	2.456	0	%100
14	M85	Z	1.418	1.418	0	%100
15	M86	X	1.037	1.037	0	%100
16	M86	Z	.599	.599	0	%100
17	M87	X	.555	.555	0	%100
18	M87	Z	.32	.32	0	%100
19	M88	X	.555	.555	0	%100
20	M88	Z	.32	.32	0	%100
21	M93	X	.257	.257	0	%100
22	M93	Z	.149	.149	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	0	0	0	%100
25	M95	X	4.147	4.147	0	%100
26	M95	Z	2.394	2.394	0	%100
27	M96	X	2.218	2.218	0	%100
28	M96	Z	1.281	1.281	0	%100
29	M97	X	2.218	2.218	0	%100
30	M97	Z	1.281	1.281	0	%100
31	M102	X	1.03	1.03	0	%100
32	M102	Z	.595	.595	0	%100
33	M103	X	.933	.933	0	%100
34	M103	Z	.538	.538	0	%100
35	MP5A	X	2.391	2.391	0	%100
36	MP5A	Z	1.38	1.38	0	%100
37	MP2A	X	2.818	2.818	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.%]
38	MP2A	Z	1.627	1.627	0	%100
39	OVP	X	2.391	2.391	0	%100
40	OVP	Z	1.38	1.38	0	%100
41	MP1A	X	2.391	2.391	0	%100
42	MP1A	Z	1.38	1.38	0	%100
43	M49	X	1.158	1.158	0	%100
44	M49	Z	.668	.668	0	%100
45	LM1	X	1.158	1.158	0	%100
46	LM1	Z	.668	.668	0	%100
47	MP3A	X	2.646	2.646	0	%100
48	MP3A	Z	1.528	1.528	0	%100
49	MP4A	X	2.391	2.391	0	%100
50	MP4A	Z	1.38	1.38	0	%100
51	M57	X	2.391	2.391	0	%100
52	M57	Z	1.38	1.38	0	%100
53	MP5C	X	2.391	2.391	0	%100
54	MP5C	Z	1.38	1.38	0	%100
55	MP2C	X	2.818	2.818	0	%100
56	MP2C	Z	1.627	1.627	0	%100
57	M68	X	2.391	2.391	0	%100
58	M68	Z	1.38	1.38	0	%100
59	MP1C	X	2.391	2.391	0	%100
60	MP1C	Z	1.38	1.38	0	%100
61	MP4C	X	2.391	2.391	0	%100
62	MP4C	Z	1.38	1.38	0	%100
63	M78A	X	2.391	2.391	0	%100
64	M78A	Z	1.38	1.38	0	%100
65	MP5B	X	2.391	2.391	0	%100
66	MP5B	Z	1.38	1.38	0	%100
67	MP2B	X	2.818	2.818	0	%100
68	MP2B	Z	1.627	1.627	0	%100
69	M89A	X	2.391	2.391	0	%100
70	M89A	Z	1.38	1.38	0	%100
71	MP1B	X	2.391	2.391	0	%100
72	MP1B	Z	1.38	1.38	0	%100
73	MP4B	X	2.391	2.391	0	%100
74	MP4B	Z	1.38	1.38	0	%100
75	LIGHT	X	2.391	2.391	0	%100
76	LIGHT	Z	1.38	1.38	0	%100
77	M98B	X	.933	.933	0	%100
78	M98B	Z	.538	.538	0	%100
79	M99B	X	3.73	3.73	0	%100
80	M99B	Z	2.154	2.154	0	%100
81	M98C	X	1.358	1.358	0	%100
82	M98C	Z	.784	.784	0	%100
83	M99C	X	5.431	5.431	0	%100
84	M99C	Z	3.136	3.136	0	%100
85	M100A	X	.271	.271	0	%100
86	M100A	Z	.157	.157	0	%100
87	M101A	X	.271	.271	0	%100
88	M101A	Z	.157	.157	0	%100
89	M102A	X	1.085	1.085	0	%100
90	M102A	Z	.626	.626	0	%100
91	M106	X	3.105	3.105	0	%100
92	M106	Z	1.793	1.793	0	%100
93	M107	X	3.105	3.105	0	%100
94	M107	Z	1.793	1.793	0	%100
95	M108	X	1.869	1.869	0	%100
96	M108	Z	1.079	1.079	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,%]
97	M103B	X	1.158	1.158	0	%100
98	M103B	Z	.668	.668	0	%100
99	M104B	X	1.158	1.158	0	%100
100	M104B	Z	.668	.668	0	%100
101	MP3C	X	2.646	2.646	0	%100
102	MP3C	Z	1.528	1.528	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	2.646	2.646	0	%100
108	MP3B	Z	1.528	1.528	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	LV	X	2.352	2.352	0	%100
2	LV	Z	4.074	4.074	0	%100
3	M76	X	.473	.473	0	%100
4	M76	Z	.819	.819	0	%100
5	M77	X	1.796	1.796	0	%100
6	M77	Z	3.11	3.11	0	%100
7	M78	X	.961	.961	0	%100
8	M78	Z	1.664	1.664	0	%100
9	M79	X	.961	.961	0	%100
10	M79	Z	1.664	1.664	0	%100
11	M84	X	.446	.446	0	%100
12	M84	Z	.772	.772	0	%100
13	M85	X	1.891	1.891	0	%100
14	M85	Z	3.274	3.274	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	0	0	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	.473	.473	0	%100
24	M94	Z	.819	.819	0	%100
25	M95	X	1.796	1.796	0	%100
26	M95	Z	3.11	3.11	0	%100
27	M96	X	.961	.961	0	%100
28	M96	Z	1.664	1.664	0	%100
29	M97	X	.961	.961	0	%100
30	M97	Z	1.664	1.664	0	%100
31	M102	X	.446	.446	0	%100
32	M102	Z	.772	.772	0	%100
33	M103	X	1.615	1.615	0	%100
34	M103	Z	2.798	2.798	0	%100
35	MP5A	X	1.38	1.38	0	%100
36	MP5A	Z	2.391	2.391	0	%100
37	MP2A	X	1.627	1.627	0	%100
38	MP2A	Z	2.818	2.818	0	%100
39	OVP	X	1.38	1.38	0	%100
40	OVP	Z	2.391	2.391	0	%100
41	MP1A	X	1.38	1.38	0	%100
42	MP1A	Z	2.391	2.391	0	%100
43	M49	X	.223	.223	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.%]
44	M49	Z	.386	.386	0	%100
45	LM1	X	.223	.223	0	%100
46	LM1	Z	.386	.386	0	%100
47	MP3A	X	1.528	1.528	0	%100
48	MP3A	Z	2.646	2.646	0	%100
49	MP4A	X	1.38	1.38	0	%100
50	MP4A	Z	2.391	2.391	0	%100
51	M57	X	1.38	1.38	0	%100
52	M57	Z	2.391	2.391	0	%100
53	MP5C	X	1.38	1.38	0	%100
54	MP5C	Z	2.391	2.391	0	%100
55	MP2C	X	1.627	1.627	0	%100
56	MP2C	Z	2.818	2.818	0	%100
57	M68	X	1.38	1.38	0	%100
58	M68	Z	2.391	2.391	0	%100
59	MP1C	X	1.38	1.38	0	%100
60	MP1C	Z	2.391	2.391	0	%100
61	MP4C	X	1.38	1.38	0	%100
62	MP4C	Z	2.391	2.391	0	%100
63	M78A	X	1.38	1.38	0	%100
64	M78A	Z	2.391	2.391	0	%100
65	MP5B	X	1.38	1.38	0	%100
66	MP5B	Z	2.391	2.391	0	%100
67	MP2B	X	1.627	1.627	0	%100
68	MP2B	Z	2.818	2.818	0	%100
69	M89A	X	1.38	1.38	0	%100
70	M89A	Z	2.391	2.391	0	%100
71	MP1B	X	1.38	1.38	0	%100
72	MP1B	Z	2.391	2.391	0	%100
73	MP4B	X	1.38	1.38	0	%100
74	MP4B	Z	2.391	2.391	0	%100
75	LIGHT	X	1.38	1.38	0	%100
76	LIGHT	Z	2.391	2.391	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	0	0	0	%100
79	M99B	X	1.615	1.615	0	%100
80	M99B	Z	2.798	2.798	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	2.352	2.352	0	%100
84	M99C	Z	4.074	4.074	0	%100
85	M100A	X	.47	.47	0	%100
86	M100A	Z	.814	.814	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	.47	.47	0	%100
90	M102A	Z	.814	.814	0	%100
91	M106	X	1.317	1.317	0	%100
92	M106	Z	2.281	2.281	0	%100
93	M107	X	2.031	2.031	0	%100
94	M107	Z	3.518	3.518	0	%100
95	M108	X	1.317	1.317	0	%100
96	M108	Z	2.281	2.281	0	%100
97	M103B	X	.891	.891	0	%100
98	M103B	Z	1.543	1.543	0	%100
99	M104B	X	.891	.891	0	%100
100	M104B	Z	1.543	1.543	0	%100
101	MP3C	X	1.528	1.528	0	%100
102	MP3C	Z	2.646	2.646	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,%]
103	M106A	X	.223	.223	0	%100
104	M106A	Z	.386	.386	0	%100
105	M107A	X	.223	.223	0	%100
106	M107A	Z	.386	.386	0	%100
107	MP3B	X	1.528	1.528	0	%100
108	MP3B	Z	2.646	2.646	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	LV	X	0	0	0	%100
2	LV	Z	6.272	6.272	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	4.788	4.788	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	2.562	2.562	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	2.562	2.562	0	%100
11	M84	X	0	0	0	%100
12	M84	Z	1.189	1.189	0	%100
13	M85	X	0	0	0	%100
14	M85	Z	2.836	2.836	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	1.197	1.197	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	.64	.64	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	.64	.64	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	.297	.297	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	2.836	2.836	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	1.197	1.197	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	.64	.64	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	.64	.64	0	%100
31	M102	X	0	0	0	%100
32	M102	Z	.297	.297	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	4.307	4.307	0	%100
35	MP5A	X	0	0	0	%100
36	MP5A	Z	2.76	2.76	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	3.254	3.254	0	%100
39	OVP	X	0	0	0	%100
40	OVP	Z	2.76	2.76	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	2.76	2.76	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	0	0	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	0	0	0	%100
48	MP3A	Z	3.055	3.055	0	%100
49	MP4A	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.%]
50	MP4A	Z	2.76	2.76	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	2.76	2.76	0	%100
53	MP5C	X	0	0	0	%100
54	MP5C	Z	2.76	2.76	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	3.254	3.254	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	2.76	2.76	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	2.76	2.76	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	2.76	2.76	0	%100
63	M78A	X	0	0	0	%100
64	M78A	Z	2.76	2.76	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	2.76	2.76	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	3.254	3.254	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	2.76	2.76	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	2.76	2.76	0	%100
73	MP4B	X	0	0	0	%100
74	MP4B	Z	2.76	2.76	0	%100
75	LIGHT	X	0	0	0	%100
76	LIGHT	Z	2.76	2.76	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	1.077	1.077	0	%100
79	M99B	X	0	0	0	%100
80	M99B	Z	1.077	1.077	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	1.568	1.568	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	1.568	1.568	0	%100
85	M100A	X	0	0	0	%100
86	M100A	Z	1.253	1.253	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	.313	.313	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	.313	.313	0	%100
91	M106	X	0	0	0	%100
92	M106	Z	2.158	2.158	0	%100
93	M107	X	0	0	0	%100
94	M107	Z	3.586	3.586	0	%100
95	M108	X	0	0	0	%100
96	M108	Z	3.586	3.586	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	1.337	1.337	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	1.337	1.337	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	3.055	3.055	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	1.337	1.337	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	1.337	1.337	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	3.055	3.055	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	LV	X	-2.352	-2.352	0	%100
2	LV	Z	4.074	4.074	0	%100
3	M76	X	-.473	-.473	0	%100
4	M76	Z	.819	.819	0	%100
5	M77	X	-1.796	-1.796	0	%100
6	M77	Z	3.11	3.11	0	%100
7	M78	X	-.961	-.961	0	%100
8	M78	Z	1.664	1.664	0	%100
9	M79	X	-.961	-.961	0	%100
10	M79	Z	1.664	1.664	0	%100
11	M84	X	-.446	-.446	0	%100
12	M84	Z	.772	.772	0	%100
13	M85	X	-.473	-.473	0	%100
14	M85	Z	.819	.819	0	%100
15	M86	X	-1.796	-1.796	0	%100
16	M86	Z	3.11	3.11	0	%100
17	M87	X	-.961	-.961	0	%100
18	M87	Z	1.664	1.664	0	%100
19	M88	X	-.961	-.961	0	%100
20	M88	Z	1.664	1.664	0	%100
21	M93	X	-.446	-.446	0	%100
22	M93	Z	.772	.772	0	%100
23	M94	X	-1.891	-1.891	0	%100
24	M94	Z	3.274	3.274	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	0	0	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	0	0	0	%100
32	M102	Z	0	0	0	%100
33	M103	X	-1.615	-1.615	0	%100
34	M103	Z	2.798	2.798	0	%100
35	MP5A	X	-1.38	-1.38	0	%100
36	MP5A	Z	2.391	2.391	0	%100
37	MP2A	X	-1.627	-1.627	0	%100
38	MP2A	Z	2.818	2.818	0	%100
39	OVP	X	-1.38	-1.38	0	%100
40	OVP	Z	2.391	2.391	0	%100
41	MP1A	X	-1.38	-1.38	0	%100
42	MP1A	Z	2.391	2.391	0	%100
43	M49	X	-.223	-.223	0	%100
44	M49	Z	.386	.386	0	%100
45	LM1	X	-.223	-.223	0	%100
46	LM1	Z	.386	.386	0	%100
47	MP3A	X	-1.528	-1.528	0	%100
48	MP3A	Z	2.646	2.646	0	%100
49	MP4A	X	-1.38	-1.38	0	%100
50	MP4A	Z	2.391	2.391	0	%100
51	M57	X	-1.38	-1.38	0	%100
52	M57	Z	2.391	2.391	0	%100
53	MP5C	X	-1.38	-1.38	0	%100
54	MP5C	Z	2.391	2.391	0	%100
55	MP2C	X	-1.627	-1.627	0	%100
56	MP2C	Z	2.818	2.818	0	%100
57	M68	X	-1.38	-1.38	0	%100
58	M68	Z	2.391	2.391	0	%100
59	MP1C	X	-1.38	-1.38	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.%]
60	MP1C	Z	2.391	2.391	0	%100
61	MP4C	X	-1.38	-1.38	0	%100
62	MP4C	Z	2.391	2.391	0	%100
63	M78A	X	-1.38	-1.38	0	%100
64	M78A	Z	2.391	2.391	0	%100
65	MP5B	X	-1.38	-1.38	0	%100
66	MP5B	Z	2.391	2.391	0	%100
67	MP2B	X	-1.627	-1.627	0	%100
68	MP2B	Z	2.818	2.818	0	%100
69	M89A	X	-1.38	-1.38	0	%100
70	M89A	Z	2.391	2.391	0	%100
71	MP1B	X	-1.38	-1.38	0	%100
72	MP1B	Z	2.391	2.391	0	%100
73	MP4B	X	-1.38	-1.38	0	%100
74	MP4B	Z	2.391	2.391	0	%100
75	LIGHT	X	-1.38	-1.38	0	%100
76	LIGHT	Z	2.391	2.391	0	%100
77	M98B	X	-1.615	-1.615	0	%100
78	M98B	Z	2.798	2.798	0	%100
79	M99B	X	0	0	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	-2.352	-2.352	0	%100
82	M98C	Z	4.074	4.074	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	0	0	0	%100
85	M100A	X	-.47	-.47	0	%100
86	M100A	Z	.814	.814	0	%100
87	M101A	X	-.47	-.47	0	%100
88	M101A	Z	.814	.814	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	0	0	0	%100
91	M106	X	-1.317	-1.317	0	%100
92	M106	Z	2.281	2.281	0	%100
93	M107	X	-1.317	-1.317	0	%100
94	M107	Z	2.281	2.281	0	%100
95	M108	X	-2.031	-2.031	0	%100
96	M108	Z	3.518	3.518	0	%100
97	M103B	X	-.223	-.223	0	%100
98	M103B	Z	.386	.386	0	%100
99	M104B	X	-.223	-.223	0	%100
100	M104B	Z	.386	.386	0	%100
101	MP3C	X	-1.528	-1.528	0	%100
102	MP3C	Z	2.646	2.646	0	%100
103	M106A	X	-.891	-.891	0	%100
104	M106A	Z	1.543	1.543	0	%100
105	M107A	X	-.891	-.891	0	%100
106	M107A	Z	1.543	1.543	0	%100
107	MP3B	X	-1.528	-1.528	0	%100
108	MP3B	Z	2.646	2.646	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	LV	X	-1.358	-1.358	0	%100
2	LV	Z	.784	.784	0	%100
3	M76	X	-2.456	-2.456	0	%100
4	M76	Z	1.418	1.418	0	%100
5	M77	X	-1.037	-1.037	0	%100
6	M77	Z	.599	.599	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,%]
7	M78	X	-.555	-.555	0	%100
8	M78	Z	.32	.32	0	%100
9	M79	X	-.555	-.555	0	%100
10	M79	Z	.32	.32	0	%100
11	M84	X	-.257	-.257	0	%100
12	M84	Z	.149	.149	0	%100
13	M85	X	0	0	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	-4.147	-4.147	0	%100
16	M86	Z	2.394	2.394	0	%100
17	M87	X	-2.218	-2.218	0	%100
18	M87	Z	1.281	1.281	0	%100
19	M88	X	-2.218	-2.218	0	%100
20	M88	Z	1.281	1.281	0	%100
21	M93	X	-1.03	-1.03	0	%100
22	M93	Z	.595	.595	0	%100
23	M94	X	-2.456	-2.456	0	%100
24	M94	Z	1.418	1.418	0	%100
25	M95	X	-1.037	-1.037	0	%100
26	M95	Z	.599	.599	0	%100
27	M96	X	-.555	-.555	0	%100
28	M96	Z	.32	.32	0	%100
29	M97	X	-.555	-.555	0	%100
30	M97	Z	.32	.32	0	%100
31	M102	X	-.257	-.257	0	%100
32	M102	Z	.149	.149	0	%100
33	M103	X	-.933	-.933	0	%100
34	M103	Z	.538	.538	0	%100
35	MP5A	X	-2.391	-2.391	0	%100
36	MP5A	Z	1.38	1.38	0	%100
37	MP2A	X	-2.818	-2.818	0	%100
38	MP2A	Z	1.627	1.627	0	%100
39	OVP	X	-2.391	-2.391	0	%100
40	OVP	Z	1.38	1.38	0	%100
41	MP1A	X	-2.391	-2.391	0	%100
42	MP1A	Z	1.38	1.38	0	%100
43	M49	X	-1.158	-1.158	0	%100
44	M49	Z	.668	.668	0	%100
45	LM1	X	-1.158	-1.158	0	%100
46	LM1	Z	.668	.668	0	%100
47	MP3A	X	-2.646	-2.646	0	%100
48	MP3A	Z	1.528	1.528	0	%100
49	MP4A	X	-2.391	-2.391	0	%100
50	MP4A	Z	1.38	1.38	0	%100
51	M57	X	-2.391	-2.391	0	%100
52	M57	Z	1.38	1.38	0	%100
53	MP5C	X	-2.391	-2.391	0	%100
54	MP5C	Z	1.38	1.38	0	%100
55	MP2C	X	-2.818	-2.818	0	%100
56	MP2C	Z	1.627	1.627	0	%100
57	M68	X	-2.391	-2.391	0	%100
58	M68	Z	1.38	1.38	0	%100
59	MP1C	X	-2.391	-2.391	0	%100
60	MP1C	Z	1.38	1.38	0	%100
61	MP4C	X	-2.391	-2.391	0	%100
62	MP4C	Z	1.38	1.38	0	%100
63	M78A	X	-2.391	-2.391	0	%100
64	M78A	Z	1.38	1.38	0	%100
65	MP5B	X	-2.391	-2.391	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.%]
66	MP5B	Z	1.38	1.38	0	%100
67	MP2B	X	-2.818	-2.818	0	%100
68	MP2B	Z	1.627	1.627	0	%100
69	M89A	X	-2.391	-2.391	0	%100
70	M89A	Z	1.38	1.38	0	%100
71	MP1B	X	-2.391	-2.391	0	%100
72	MP1B	Z	1.38	1.38	0	%100
73	MP4B	X	-2.391	-2.391	0	%100
74	MP4B	Z	1.38	1.38	0	%100
75	LIGHT	X	-2.391	-2.391	0	%100
76	LIGHT	Z	1.38	1.38	0	%100
77	M98B	X	-3.73	-3.73	0	%100
78	M98B	Z	2.154	2.154	0	%100
79	M99B	X	-.933	-.933	0	%100
80	M99B	Z	.538	.538	0	%100
81	M98C	X	-5.431	-5.431	0	%100
82	M98C	Z	3.136	3.136	0	%100
83	M99C	X	-1.358	-1.358	0	%100
84	M99C	Z	.784	.784	0	%100
85	M100A	X	-.271	-.271	0	%100
86	M100A	Z	.157	.157	0	%100
87	M101A	X	-1.085	-1.085	0	%100
88	M101A	Z	.626	.626	0	%100
89	M102A	X	-.271	-.271	0	%100
90	M102A	Z	.157	.157	0	%100
91	M106	X	-3.105	-3.105	0	%100
92	M106	Z	1.793	1.793	0	%100
93	M107	X	-1.869	-1.869	0	%100
94	M107	Z	1.079	1.079	0	%100
95	M108	X	-3.105	-3.105	0	%100
96	M108	Z	1.793	1.793	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	-2.646	-2.646	0	%100
102	MP3C	Z	1.528	1.528	0	%100
103	M106A	X	-1.158	-1.158	0	%100
104	M106A	Z	.668	.668	0	%100
105	M107A	X	-1.158	-1.158	0	%100
106	M107A	Z	.668	.668	0	%100
107	MP3B	X	-2.646	-2.646	0	%100
108	MP3B	Z	1.528	1.528	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	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M76	X	-3.781	-3.781	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	0	0	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	0	0	0	%100
11	M84	X	0	0	0	%100
12	M84	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,%]
13	M85	X	-0.945	-0.945	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	-3.591	-3.591	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	-1.921	-1.921	0	%100
18	M87	Z	0	0	0	%100
19	M88	X	-1.921	-1.921	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	-0.892	-0.892	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	-0.945	-0.945	0	%100
24	M94	Z	0	0	0	%100
25	M95	X	-3.591	-3.591	0	%100
26	M95	Z	0	0	0	%100
27	M96	X	-1.921	-1.921	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	-1.921	-1.921	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	-0.892	-0.892	0	%100
32	M102	Z	0	0	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	0	0	0	%100
35	MP5A	X	-2.76	-2.76	0	%100
36	MP5A	Z	0	0	0	%100
37	MP2A	X	-3.254	-3.254	0	%100
38	MP2A	Z	0	0	0	%100
39	OVP	X	-2.76	-2.76	0	%100
40	OVP	Z	0	0	0	%100
41	MP1A	X	-2.76	-2.76	0	%100
42	MP1A	Z	0	0	0	%100
43	M49	X	-1.782	-1.782	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	-1.782	-1.782	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	-3.055	-3.055	0	%100
48	MP3A	Z	0	0	0	%100
49	MP4A	X	-2.76	-2.76	0	%100
50	MP4A	Z	0	0	0	%100
51	M57	X	-2.76	-2.76	0	%100
52	M57	Z	0	0	0	%100
53	MP5C	X	-2.76	-2.76	0	%100
54	MP5C	Z	0	0	0	%100
55	MP2C	X	-3.254	-3.254	0	%100
56	MP2C	Z	0	0	0	%100
57	M68	X	-2.76	-2.76	0	%100
58	M68	Z	0	0	0	%100
59	MP1C	X	-2.76	-2.76	0	%100
60	MP1C	Z	0	0	0	%100
61	MP4C	X	-2.76	-2.76	0	%100
62	MP4C	Z	0	0	0	%100
63	M78A	X	-2.76	-2.76	0	%100
64	M78A	Z	0	0	0	%100
65	MP5B	X	-2.76	-2.76	0	%100
66	MP5B	Z	0	0	0	%100
67	MP2B	X	-3.254	-3.254	0	%100
68	MP2B	Z	0	0	0	%100
69	M89A	X	-2.76	-2.76	0	%100
70	M89A	Z	0	0	0	%100
71	MP1B	X	-2.76	-2.76	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,%]
72	MP1B	Z	0	0	0	%100
73	MP4B	X	-2.76	-2.76	0	%100
74	MP4B	Z	0	0	0	%100
75	LIGHT	X	-2.76	-2.76	0	%100
76	LIGHT	Z	0	0	0	%100
77	M98B	X	-3.23	-3.23	0	%100
78	M98B	Z	0	0	0	%100
79	M99B	X	-3.23	-3.23	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	-4.704	-4.704	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	-4.704	-4.704	0	%100
84	M99C	Z	0	0	0	%100
85	M100A	X	0	0	0	%100
86	M100A	Z	0	0	0	%100
87	M101A	X	-.94	-.94	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	-.94	-.94	0	%100
90	M102A	Z	0	0	0	%100
91	M106	X	-4.062	-4.062	0	%100
92	M106	Z	0	0	0	%100
93	M107	X	-2.634	-2.634	0	%100
94	M107	Z	0	0	0	%100
95	M108	X	-2.634	-2.634	0	%100
96	M108	Z	0	0	0	%100
97	M103B	X	-.446	-.446	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	-.446	-.446	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	-3.055	-3.055	0	%100
102	MP3C	Z	0	0	0	%100
103	M106A	X	-.446	-.446	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	-.446	-.446	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	-3.055	-3.055	0	%100
108	MP3B	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	LV	X	-1.358	-1.358	0	%100
2	LV	Z	-.784	-.784	0	%100
3	M76	X	-2.456	-2.456	0	%100
4	M76	Z	-1.418	-1.418	0	%100
5	M77	X	-1.037	-1.037	0	%100
6	M77	Z	-.599	-.599	0	%100
7	M78	X	-.555	-.555	0	%100
8	M78	Z	-.32	-.32	0	%100
9	M79	X	-.555	-.555	0	%100
10	M79	Z	-.32	-.32	0	%100
11	M84	X	-.257	-.257	0	%100
12	M84	Z	-.149	-.149	0	%100
13	M85	X	-2.456	-2.456	0	%100
14	M85	Z	-1.418	-1.418	0	%100
15	M86	X	-1.037	-1.037	0	%100
16	M86	Z	-.599	-.599	0	%100
17	M87	X	-.555	-.555	0	%100
18	M87	Z	-.32	-.32	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.%]
19	M88	X	-0.555	-0.555	0	%100
20	M88	Z	-0.32	-0.32	0	%100
21	M93	X	-0.257	-0.257	0	%100
22	M93	Z	-0.149	-0.149	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	0	0	0	%100
25	M95	X	-4.147	-4.147	0	%100
26	M95	Z	-2.394	-2.394	0	%100
27	M96	X	-2.218	-2.218	0	%100
28	M96	Z	-1.281	-1.281	0	%100
29	M97	X	-2.218	-2.218	0	%100
30	M97	Z	-1.281	-1.281	0	%100
31	M102	X	-1.03	-1.03	0	%100
32	M102	Z	-0.595	-0.595	0	%100
33	M103	X	-0.933	-0.933	0	%100
34	M103	Z	-0.538	-0.538	0	%100
35	MP5A	X	-2.391	-2.391	0	%100
36	MP5A	Z	-1.38	-1.38	0	%100
37	MP2A	X	-2.818	-2.818	0	%100
38	MP2A	Z	-1.627	-1.627	0	%100
39	OVP	X	-2.391	-2.391	0	%100
40	OVP	Z	-1.38	-1.38	0	%100
41	MP1A	X	-2.391	-2.391	0	%100
42	MP1A	Z	-1.38	-1.38	0	%100
43	M49	X	-1.158	-1.158	0	%100
44	M49	Z	-0.668	-0.668	0	%100
45	LM1	X	-1.158	-1.158	0	%100
46	LM1	Z	-0.668	-0.668	0	%100
47	MP3A	X	-2.646	-2.646	0	%100
48	MP3A	Z	-1.528	-1.528	0	%100
49	MP4A	X	-2.391	-2.391	0	%100
50	MP4A	Z	-1.38	-1.38	0	%100
51	M57	X	-2.391	-2.391	0	%100
52	M57	Z	-1.38	-1.38	0	%100
53	MP5C	X	-2.391	-2.391	0	%100
54	MP5C	Z	-1.38	-1.38	0	%100
55	MP2C	X	-2.818	-2.818	0	%100
56	MP2C	Z	-1.627	-1.627	0	%100
57	M68	X	-2.391	-2.391	0	%100
58	M68	Z	-1.38	-1.38	0	%100
59	MP1C	X	-2.391	-2.391	0	%100
60	MP1C	Z	-1.38	-1.38	0	%100
61	MP4C	X	-2.391	-2.391	0	%100
62	MP4C	Z	-1.38	-1.38	0	%100
63	M78A	X	-2.391	-2.391	0	%100
64	M78A	Z	-1.38	-1.38	0	%100
65	MP5B	X	-2.391	-2.391	0	%100
66	MP5B	Z	-1.38	-1.38	0	%100
67	MP2B	X	-2.818	-2.818	0	%100
68	MP2B	Z	-1.627	-1.627	0	%100
69	M89A	X	-2.391	-2.391	0	%100
70	M89A	Z	-1.38	-1.38	0	%100
71	MP1B	X	-2.391	-2.391	0	%100
72	MP1B	Z	-1.38	-1.38	0	%100
73	MP4B	X	-2.391	-2.391	0	%100
74	MP4B	Z	-1.38	-1.38	0	%100
75	LIGHT	X	-2.391	-2.391	0	%100
76	LIGHT	Z	-1.38	-1.38	0	%100
77	M98B	X	-0.933	-0.933	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.%]
78	M98B	Z	-538	-538	0	%100
79	M99B	X	-3.73	-3.73	0	%100
80	M99B	Z	-2.154	-2.154	0	%100
81	M98C	X	-1.358	-1.358	0	%100
82	M98C	Z	-.784	-.784	0	%100
83	M99C	X	-5.431	-5.431	0	%100
84	M99C	Z	-3.136	-3.136	0	%100
85	M100A	X	-.271	-.271	0	%100
86	M100A	Z	-.157	-.157	0	%100
87	M101A	X	-.271	-.271	0	%100
88	M101A	Z	-.157	-.157	0	%100
89	M102A	X	-1.085	-1.085	0	%100
90	M102A	Z	-.626	-.626	0	%100
91	M106	X	-3.105	-3.105	0	%100
92	M106	Z	-1.793	-1.793	0	%100
93	M107	X	-3.105	-3.105	0	%100
94	M107	Z	-1.793	-1.793	0	%100
95	M108	X	-1.869	-1.869	0	%100
96	M108	Z	-1.079	-1.079	0	%100
97	M103B	X	-1.158	-1.158	0	%100
98	M103B	Z	-.668	-.668	0	%100
99	M104B	X	-1.158	-1.158	0	%100
100	M104B	Z	-.668	-.668	0	%100
101	MP3C	X	-2.646	-2.646	0	%100
102	MP3C	Z	-1.528	-1.528	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	-2.646	-2.646	0	%100
108	MP3B	Z	-1.528	-1.528	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	LV	X	-2.352	-2.352	0	%100
2	LV	Z	-4.074	-4.074	0	%100
3	M76	X	-.473	-.473	0	%100
4	M76	Z	-.819	-.819	0	%100
5	M77	X	-1.796	-1.796	0	%100
6	M77	Z	-3.11	-3.11	0	%100
7	M78	X	-.961	-.961	0	%100
8	M78	Z	-1.664	-1.664	0	%100
9	M79	X	-.961	-.961	0	%100
10	M79	Z	-1.664	-1.664	0	%100
11	M84	X	-.446	-.446	0	%100
12	M84	Z	-.772	-.772	0	%100
13	M85	X	-1.891	-1.891	0	%100
14	M85	Z	-3.274	-3.274	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	0	0	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	-.473	-.473	0	%100
24	M94	Z	-.819	-.819	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,%]
25	M95	X	-1.796	-1.796	0	%100
26	M95	Z	-3.11	-3.11	0	%100
27	M96	X	-.961	-.961	0	%100
28	M96	Z	-1.664	-1.664	0	%100
29	M97	X	-.961	-.961	0	%100
30	M97	Z	-1.664	-1.664	0	%100
31	M102	X	-.446	-.446	0	%100
32	M102	Z	-.772	-.772	0	%100
33	M103	X	-1.615	-1.615	0	%100
34	M103	Z	-2.798	-2.798	0	%100
35	MP5A	X	-1.38	-1.38	0	%100
36	MP5A	Z	-2.391	-2.391	0	%100
37	MP2A	X	-1.627	-1.627	0	%100
38	MP2A	Z	-2.818	-2.818	0	%100
39	OVP	X	-1.38	-1.38	0	%100
40	OVP	Z	-2.391	-2.391	0	%100
41	MP1A	X	-1.38	-1.38	0	%100
42	MP1A	Z	-2.391	-2.391	0	%100
43	M49	X	-.223	-.223	0	%100
44	M49	Z	-.386	-.386	0	%100
45	LM1	X	-.223	-.223	0	%100
46	LM1	Z	-.386	-.386	0	%100
47	MP3A	X	-1.528	-1.528	0	%100
48	MP3A	Z	-2.646	-2.646	0	%100
49	MP4A	X	-1.38	-1.38	0	%100
50	MP4A	Z	-2.391	-2.391	0	%100
51	M57	X	-1.38	-1.38	0	%100
52	M57	Z	-2.391	-2.391	0	%100
53	MP5C	X	-1.38	-1.38	0	%100
54	MP5C	Z	-2.391	-2.391	0	%100
55	MP2C	X	-1.627	-1.627	0	%100
56	MP2C	Z	-2.818	-2.818	0	%100
57	M68	X	-1.38	-1.38	0	%100
58	M68	Z	-2.391	-2.391	0	%100
59	MP1C	X	-1.38	-1.38	0	%100
60	MP1C	Z	-2.391	-2.391	0	%100
61	MP4C	X	-1.38	-1.38	0	%100
62	MP4C	Z	-2.391	-2.391	0	%100
63	M78A	X	-1.38	-1.38	0	%100
64	M78A	Z	-2.391	-2.391	0	%100
65	MP5B	X	-1.38	-1.38	0	%100
66	MP5B	Z	-2.391	-2.391	0	%100
67	MP2B	X	-1.627	-1.627	0	%100
68	MP2B	Z	-2.818	-2.818	0	%100
69	M89A	X	-1.38	-1.38	0	%100
70	M89A	Z	-2.391	-2.391	0	%100
71	MP1B	X	-1.38	-1.38	0	%100
72	MP1B	Z	-2.391	-2.391	0	%100
73	MP4B	X	-1.38	-1.38	0	%100
74	MP4B	Z	-2.391	-2.391	0	%100
75	LIGHT	X	-1.38	-1.38	0	%100
76	LIGHT	Z	-2.391	-2.391	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	0	0	0	%100
79	M99B	X	-1.615	-1.615	0	%100
80	M99B	Z	-2.798	-2.798	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	-2.352	-2.352	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,%]
84	M99C	Z	-4.074	-4.074	0	%100
85	M100A	X	-.47	-.47	0	%100
86	M100A	Z	-.814	-.814	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	-.47	-.47	0	%100
90	M102A	Z	-.814	-.814	0	%100
91	M106	X	-1.317	-1.317	0	%100
92	M106	Z	-2.281	-2.281	0	%100
93	M107	X	-2.031	-2.031	0	%100
94	M107	Z	-3.518	-3.518	0	%100
95	M108	X	-1.317	-1.317	0	%100
96	M108	Z	-2.281	-2.281	0	%100
97	M103B	X	-.891	-.891	0	%100
98	M103B	Z	-1.543	-1.543	0	%100
99	M104B	X	-.891	-.891	0	%100
100	M104B	Z	-1.543	-1.543	0	%100
101	MP3C	X	-1.528	-1.528	0	%100
102	MP3C	Z	-2.646	-2.646	0	%100
103	M106A	X	-.223	-.223	0	%100
104	M106A	Z	-.386	-.386	0	%100
105	M107A	X	-.223	-.223	0	%100
106	M107A	Z	-.386	-.386	0	%100
107	MP3B	X	-1.528	-1.528	0	%100
108	MP3B	Z	-2.646	-2.646	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	LV	X	0	0	0	%100
2	LV	Z	-1.768	-1.768	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	-1.234	-1.234	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	-.636	-.636	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	-.636	-.636	0	%100
11	M84	X	0	0	0	%100
12	M84	Z	-.106	-.106	0	%100
13	M85	X	0	0	0	%100
14	M85	Z	-.653	-.653	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	-.308	-.308	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	-.159	-.159	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	-.159	-.159	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	-.027	-.027	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	-.653	-.653	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	-.308	-.308	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	-.159	-.159	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	-.159	-.159	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,%]
31	M102	X	0	0	0	%100
32	M102	Z	-.027	-.027	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	-1.061	-1.061	0	%100
35	MP5A	X	0	0	0	%100
36	MP5A	Z	-.504	-.504	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-.682	-.682	0	%100
39	OVP	X	0	0	0	%100
40	OVP	Z	-.504	-.504	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	-.504	-.504	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	0	0	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	0	0	0	%100
48	MP3A	Z	-.61	-.61	0	%100
49	MP4A	X	0	0	0	%100
50	MP4A	Z	-.504	-.504	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	-.504	-.504	0	%100
53	MP5C	X	0	0	0	%100
54	MP5C	Z	-.504	-.504	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	-.682	-.682	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-.504	-.504	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	-.504	-.504	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	-.504	-.504	0	%100
63	M78A	X	0	0	0	%100
64	M78A	Z	-.504	-.504	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-.504	-.504	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-.682	-.682	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	-.504	-.504	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-.504	-.504	0	%100
73	MP4B	X	0	0	0	%100
74	MP4B	Z	-.504	-.504	0	%100
75	LIGHT	X	0	0	0	%100
76	LIGHT	Z	-.504	-.504	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	-.265	-.265	0	%100
79	M99B	X	0	0	0	%100
80	M99B	Z	-.265	-.265	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	-.442	-.442	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	-.442	-.442	0	%100
85	M100A	X	0	0	0	%100
86	M100A	Z	-.109	-.109	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	-.027	-.027	0	%100
89	M102A	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,%]
90	M102A	Z	-.027	-.027	0	%100
91	M106	X	0	0	0	%100
92	M106	Z	-.601	-.601	0	%100
93	M107	X	0	0	0	%100
94	M107	Z	-.879	-.879	0	%100
95	M108	X	0	0	0	%100
96	M108	Z	-.879	-.879	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	-.267	-.267	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	-.267	-.267	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	-.61	-.61	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	-.267	-.267	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	-.267	-.267	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-.61	-.61	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	LV	X	.663	.663	0	%100
2	LV	Z	-1.148	-1.148	0	%100
3	M76	X	.109	.109	0	%100
4	M76	Z	-.189	-.189	0	%100
5	M77	X	.463	.463	0	%100
6	M77	Z	-.801	-.801	0	%100
7	M78	X	.239	.239	0	%100
8	M78	Z	-.413	-.413	0	%100
9	M79	X	.239	.239	0	%100
10	M79	Z	-.413	-.413	0	%100
11	M84	X	.04	.04	0	%100
12	M84	Z	-.069	-.069	0	%100
13	M85	X	.109	.109	0	%100
14	M85	Z	-.189	-.189	0	%100
15	M86	X	.463	.463	0	%100
16	M86	Z	-.801	-.801	0	%100
17	M87	X	.239	.239	0	%100
18	M87	Z	-.413	-.413	0	%100
19	M88	X	.239	.239	0	%100
20	M88	Z	-.413	-.413	0	%100
21	M93	X	.04	.04	0	%100
22	M93	Z	-.069	-.069	0	%100
23	M94	X	.436	.436	0	%100
24	M94	Z	-.755	-.755	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	0	0	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	0	0	0	%100
32	M102	Z	0	0	0	%100
33	M103	X	.398	.398	0	%100
34	M103	Z	-.689	-.689	0	%100
35	MP5A	X	.252	.252	0	%100
36	MP5A	Z	-.436	-.436	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,%]
37	MP2A	X	.341	.341	0	%100
38	MP2A	Z	-.59	-.59	0	%100
39	OVP	X	.252	.252	0	%100
40	OVP	Z	-.436	-.436	0	%100
41	MP1A	X	.252	.252	0	%100
42	MP1A	Z	-.436	-.436	0	%100
43	M49	X	.044	.044	0	%100
44	M49	Z	-.077	-.077	0	%100
45	LM1	X	.044	.044	0	%100
46	LM1	Z	-.077	-.077	0	%100
47	MP3A	X	.305	.305	0	%100
48	MP3A	Z	-.528	-.528	0	%100
49	MP4A	X	.252	.252	0	%100
50	MP4A	Z	-.436	-.436	0	%100
51	M57	X	.252	.252	0	%100
52	M57	Z	-.436	-.436	0	%100
53	MP5C	X	.252	.252	0	%100
54	MP5C	Z	-.436	-.436	0	%100
55	MP2C	X	.341	.341	0	%100
56	MP2C	Z	-.59	-.59	0	%100
57	M68	X	.252	.252	0	%100
58	M68	Z	-.436	-.436	0	%100
59	MP1C	X	.252	.252	0	%100
60	MP1C	Z	-.436	-.436	0	%100
61	MP4C	X	.252	.252	0	%100
62	MP4C	Z	-.436	-.436	0	%100
63	M78A	X	.252	.252	0	%100
64	M78A	Z	-.436	-.436	0	%100
65	MP5B	X	.252	.252	0	%100
66	MP5B	Z	-.436	-.436	0	%100
67	MP2B	X	.341	.341	0	%100
68	MP2B	Z	-.59	-.59	0	%100
69	M89A	X	.252	.252	0	%100
70	M89A	Z	-.436	-.436	0	%100
71	MP1B	X	.252	.252	0	%100
72	MP1B	Z	-.436	-.436	0	%100
73	MP4B	X	.252	.252	0	%100
74	MP4B	Z	-.436	-.436	0	%100
75	LIGHT	X	.252	.252	0	%100
76	LIGHT	Z	-.436	-.436	0	%100
77	M98B	X	.398	.398	0	%100
78	M98B	Z	-.689	-.689	0	%100
79	M99B	X	0	0	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	.663	.663	0	%100
82	M98C	Z	-1.148	-1.148	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	0	0	0	%100
85	M100A	X	.041	.041	0	%100
86	M100A	Z	-.071	-.071	0	%100
87	M101A	X	.041	.041	0	%100
88	M101A	Z	-.071	-.071	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	0	0	0	%100
91	M106	X	.347	.347	0	%100
92	M106	Z	-.601	-.601	0	%100
93	M107	X	.347	.347	0	%100
94	M107	Z	-.601	-.601	0	%100
95	M108	X	.486	.486	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.%]
96	M108	Z	-.842	-.842	0	%100
97	M103B	X	.044	.044	0	%100
98	M103B	Z	-.077	-.077	0	%100
99	M104B	X	.044	.044	0	%100
100	M104B	Z	-.077	-.077	0	%100
101	MP3C	X	.305	.305	0	%100
102	MP3C	Z	-.528	-.528	0	%100
103	M106A	X	.178	.178	0	%100
104	M106A	Z	-.308	-.308	0	%100
105	M107A	X	.178	.178	0	%100
106	M107A	Z	-.308	-.308	0	%100
107	MP3B	X	.305	.305	0	%100
108	MP3B	Z	-.528	-.528	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	LV	X	.383	.383	0	%100
2	LV	Z	-.221	-.221	0	%100
3	M76	X	.566	.566	0	%100
4	M76	Z	-.327	-.327	0	%100
5	M77	X	.267	.267	0	%100
6	M77	Z	-.154	-.154	0	%100
7	M78	X	.138	.138	0	%100
8	M78	Z	-.08	-.08	0	%100
9	M79	X	.138	.138	0	%100
10	M79	Z	-.08	-.08	0	%100
11	M84	X	.023	.023	0	%100
12	M84	Z	-.013	-.013	0	%100
13	M85	X	0	0	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	1.069	1.069	0	%100
16	M86	Z	-.617	-.617	0	%100
17	M87	X	.551	.551	0	%100
18	M87	Z	-.318	-.318	0	%100
19	M88	X	.551	.551	0	%100
20	M88	Z	-.318	-.318	0	%100
21	M93	X	.092	.092	0	%100
22	M93	Z	-.053	-.053	0	%100
23	M94	X	.566	.566	0	%100
24	M94	Z	-.327	-.327	0	%100
25	M95	X	.267	.267	0	%100
26	M95	Z	-.154	-.154	0	%100
27	M96	X	.138	.138	0	%100
28	M96	Z	-.08	-.08	0	%100
29	M97	X	.138	.138	0	%100
30	M97	Z	-.08	-.08	0	%100
31	M102	X	.023	.023	0	%100
32	M102	Z	-.013	-.013	0	%100
33	M103	X	.23	.23	0	%100
34	M103	Z	-.133	-.133	0	%100
35	MP5A	X	.436	.436	0	%100
36	MP5A	Z	-.252	-.252	0	%100
37	MP2A	X	.59	.59	0	%100
38	MP2A	Z	-.341	-.341	0	%100
39	OVP	X	.436	.436	0	%100
40	OVP	Z	-.252	-.252	0	%100
41	MP1A	X	.436	.436	0	%100
42	MP1A	Z	-.252	-.252	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,%]
43	M49	X	.231	.231	0	%100
44	M49	Z	-.133	-.133	0	%100
45	LM1	X	.231	.231	0	%100
46	LM1	Z	-.133	-.133	0	%100
47	MP3A	X	.528	.528	0	%100
48	MP3A	Z	-.305	-.305	0	%100
49	MP4A	X	.436	.436	0	%100
50	MP4A	Z	-.252	-.252	0	%100
51	M57	X	.436	.436	0	%100
52	M57	Z	-.252	-.252	0	%100
53	MP5C	X	.436	.436	0	%100
54	MP5C	Z	-.252	-.252	0	%100
55	MP2C	X	.59	.59	0	%100
56	MP2C	Z	-.341	-.341	0	%100
57	M68	X	.436	.436	0	%100
58	M68	Z	-.252	-.252	0	%100
59	MP1C	X	.436	.436	0	%100
60	MP1C	Z	-.252	-.252	0	%100
61	MP4C	X	.436	.436	0	%100
62	MP4C	Z	-.252	-.252	0	%100
63	M78A	X	.436	.436	0	%100
64	M78A	Z	-.252	-.252	0	%100
65	MP5B	X	.436	.436	0	%100
66	MP5B	Z	-.252	-.252	0	%100
67	MP2B	X	.59	.59	0	%100
68	MP2B	Z	-.341	-.341	0	%100
69	M89A	X	.436	.436	0	%100
70	M89A	Z	-.252	-.252	0	%100
71	MP1B	X	.436	.436	0	%100
72	MP1B	Z	-.252	-.252	0	%100
73	MP4B	X	.436	.436	0	%100
74	MP4B	Z	-.252	-.252	0	%100
75	LIGHT	X	.436	.436	0	%100
76	LIGHT	Z	-.252	-.252	0	%100
77	M98B	X	.919	.919	0	%100
78	M98B	Z	-.53	-.53	0	%100
79	M99B	X	.23	.23	0	%100
80	M99B	Z	-.133	-.133	0	%100
81	M98C	X	1.531	1.531	0	%100
82	M98C	Z	-.884	-.884	0	%100
83	M99C	X	.383	.383	0	%100
84	M99C	Z	-.221	-.221	0	%100
85	M100A	X	.024	.024	0	%100
86	M100A	Z	-.014	-.014	0	%100
87	M101A	X	.095	.095	0	%100
88	M101A	Z	-.055	-.055	0	%100
89	M102A	X	.024	.024	0	%100
90	M102A	Z	-.014	-.014	0	%100
91	M106	X	.762	.762	0	%100
92	M106	Z	-.44	-.44	0	%100
93	M107	X	.52	.52	0	%100
94	M107	Z	-.3	-.3	0	%100
95	M108	X	.762	.762	0	%100
96	M108	Z	-.44	-.44	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	.528	.528	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.%]
102	MP3C	Z	-.305	-.305	0	%100
103	M106A	X	.231	.231	0	%100
104	M106A	Z	-.133	-.133	0	%100
105	M107A	X	.231	.231	0	%100
106	M107A	Z	-.133	-.133	0	%100
107	MP3B	X	.528	.528	0	%100
108	MP3B	Z	-.305	-.305	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	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M76	X	.871	.871	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	0	0	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	0	0	0	%100
11	M84	X	0	0	0	%100
12	M84	Z	0	0	0	%100
13	M85	X	.218	.218	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	.925	.925	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	.477	.477	0	%100
18	M87	Z	0	0	0	%100
19	M88	X	.477	.477	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	.08	.08	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	.218	.218	0	%100
24	M94	Z	0	0	0	%100
25	M95	X	.925	.925	0	%100
26	M95	Z	0	0	0	%100
27	M96	X	.477	.477	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	.477	.477	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	.08	.08	0	%100
32	M102	Z	0	0	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	0	0	0	%100
35	MP5A	X	.504	.504	0	%100
36	MP5A	Z	0	0	0	%100
37	MP2A	X	.682	.682	0	%100
38	MP2A	Z	0	0	0	%100
39	OVP	X	.504	.504	0	%100
40	OVP	Z	0	0	0	%100
41	MP1A	X	.504	.504	0	%100
42	MP1A	Z	0	0	0	%100
43	M49	X	.356	.356	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	.356	.356	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	.61	.61	0	%100
48	MP3A	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,%]
49	MP4A	X	.504	.504	0	%100
50	MP4A	Z	0	0	0	%100
51	M57	X	.504	.504	0	%100
52	M57	Z	0	0	0	%100
53	MP5C	X	.504	.504	0	%100
54	MP5C	Z	0	0	0	%100
55	MP2C	X	.682	.682	0	%100
56	MP2C	Z	0	0	0	%100
57	M68	X	.504	.504	0	%100
58	M68	Z	0	0	0	%100
59	MP1C	X	.504	.504	0	%100
60	MP1C	Z	0	0	0	%100
61	MP4C	X	.504	.504	0	%100
62	MP4C	Z	0	0	0	%100
63	M78A	X	.504	.504	0	%100
64	M78A	Z	0	0	0	%100
65	MP5B	X	.504	.504	0	%100
66	MP5B	Z	0	0	0	%100
67	MP2B	X	.682	.682	0	%100
68	MP2B	Z	0	0	0	%100
69	M89A	X	.504	.504	0	%100
70	M89A	Z	0	0	0	%100
71	MP1B	X	.504	.504	0	%100
72	MP1B	Z	0	0	0	%100
73	MP4B	X	.504	.504	0	%100
74	MP4B	Z	0	0	0	%100
75	LIGHT	X	.504	.504	0	%100
76	LIGHT	Z	0	0	0	%100
77	M98B	X	.796	.796	0	%100
78	M98B	Z	0	0	0	%100
79	M99B	X	.796	.796	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	1.326	1.326	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	1.326	1.326	0	%100
84	M99C	Z	0	0	0	%100
85	M100A	X	0	0	0	%100
86	M100A	Z	0	0	0	%100
87	M101A	X	.082	.082	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	.082	.082	0	%100
90	M102A	Z	0	0	0	%100
91	M106	X	.972	.972	0	%100
92	M106	Z	0	0	0	%100
93	M107	X	.694	.694	0	%100
94	M107	Z	0	0	0	%100
95	M108	X	.694	.694	0	%100
96	M108	Z	0	0	0	%100
97	M103B	X	.089	.089	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	.089	.089	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	.61	.61	0	%100
102	MP3C	Z	0	0	0	%100
103	M106A	X	.089	.089	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	.089	.089	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	.61	.61	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.%]
108	MP3B	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	LV	X	.383	.383	0	%100
2	LV	Z	.221	.221	0	%100
3	M76	X	.566	.566	0	%100
4	M76	Z	.327	.327	0	%100
5	M77	X	.267	.267	0	%100
6	M77	Z	.154	.154	0	%100
7	M78	X	.138	.138	0	%100
8	M78	Z	.08	.08	0	%100
9	M79	X	.138	.138	0	%100
10	M79	Z	.08	.08	0	%100
11	M84	X	.023	.023	0	%100
12	M84	Z	.013	.013	0	%100
13	M85	X	.566	.566	0	%100
14	M85	Z	.327	.327	0	%100
15	M86	X	.267	.267	0	%100
16	M86	Z	.154	.154	0	%100
17	M87	X	.138	.138	0	%100
18	M87	Z	.08	.08	0	%100
19	M88	X	.138	.138	0	%100
20	M88	Z	.08	.08	0	%100
21	M93	X	.023	.023	0	%100
22	M93	Z	.013	.013	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	0	0	0	%100
25	M95	X	1.069	1.069	0	%100
26	M95	Z	.617	.617	0	%100
27	M96	X	.551	.551	0	%100
28	M96	Z	.318	.318	0	%100
29	M97	X	.551	.551	0	%100
30	M97	Z	.318	.318	0	%100
31	M102	X	.092	.092	0	%100
32	M102	Z	.053	.053	0	%100
33	M103	X	.23	.23	0	%100
34	M103	Z	.133	.133	0	%100
35	MP5A	X	.436	.436	0	%100
36	MP5A	Z	.252	.252	0	%100
37	MP2A	X	.59	.59	0	%100
38	MP2A	Z	.341	.341	0	%100
39	OVP	X	.436	.436	0	%100
40	OVP	Z	.252	.252	0	%100
41	MP1A	X	.436	.436	0	%100
42	MP1A	Z	.252	.252	0	%100
43	M49	X	.231	.231	0	%100
44	M49	Z	.133	.133	0	%100
45	LM1	X	.231	.231	0	%100
46	LM1	Z	.133	.133	0	%100
47	MP3A	X	.528	.528	0	%100
48	MP3A	Z	.305	.305	0	%100
49	MP4A	X	.436	.436	0	%100
50	MP4A	Z	.252	.252	0	%100
51	M57	X	.436	.436	0	%100
52	M57	Z	.252	.252	0	%100
53	MP5C	X	.436	.436	0	%100
54	MP5C	Z	.252	.252	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,%]
55	MP2C	X	.59	.59	0	%100
56	MP2C	Z	.341	.341	0	%100
57	M68	X	.436	.436	0	%100
58	M68	Z	.252	.252	0	%100
59	MP1C	X	.436	.436	0	%100
60	MP1C	Z	.252	.252	0	%100
61	MP4C	X	.436	.436	0	%100
62	MP4C	Z	.252	.252	0	%100
63	M78A	X	.436	.436	0	%100
64	M78A	Z	.252	.252	0	%100
65	MP5B	X	.436	.436	0	%100
66	MP5B	Z	.252	.252	0	%100
67	MP2B	X	.59	.59	0	%100
68	MP2B	Z	.341	.341	0	%100
69	M89A	X	.436	.436	0	%100
70	M89A	Z	.252	.252	0	%100
71	MP1B	X	.436	.436	0	%100
72	MP1B	Z	.252	.252	0	%100
73	MP4B	X	.436	.436	0	%100
74	MP4B	Z	.252	.252	0	%100
75	LIGHT	X	.436	.436	0	%100
76	LIGHT	Z	.252	.252	0	%100
77	M98B	X	.23	.23	0	%100
78	M98B	Z	.133	.133	0	%100
79	M99B	X	.919	.919	0	%100
80	M99B	Z	.53	.53	0	%100
81	M98C	X	.383	.383	0	%100
82	M98C	Z	.221	.221	0	%100
83	M99C	X	1.531	1.531	0	%100
84	M99C	Z	.884	.884	0	%100
85	M100A	X	.024	.024	0	%100
86	M100A	Z	.014	.014	0	%100
87	M101A	X	.024	.024	0	%100
88	M101A	Z	.014	.014	0	%100
89	M102A	X	.095	.095	0	%100
90	M102A	Z	.055	.055	0	%100
91	M106	X	.762	.762	0	%100
92	M106	Z	.44	.44	0	%100
93	M107	X	.762	.762	0	%100
94	M107	Z	.44	.44	0	%100
95	M108	X	.52	.52	0	%100
96	M108	Z	.3	.3	0	%100
97	M103B	X	.231	.231	0	%100
98	M103B	Z	.133	.133	0	%100
99	M104B	X	.231	.231	0	%100
100	M104B	Z	.133	.133	0	%100
101	MP3C	X	.528	.528	0	%100
102	MP3C	Z	.305	.305	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	.528	.528	0	%100
108	MP3B	Z	.305	.305	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	LV	X	.663	.663	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.%]
2	LV	Z	1.148	1.148	0	%100
3	M76	X	.109	.109	0	%100
4	M76	Z	.189	.189	0	%100
5	M77	X	.463	.463	0	%100
6	M77	Z	.801	.801	0	%100
7	M78	X	.239	.239	0	%100
8	M78	Z	.413	.413	0	%100
9	M79	X	.239	.239	0	%100
10	M79	Z	.413	.413	0	%100
11	M84	X	.04	.04	0	%100
12	M84	Z	.069	.069	0	%100
13	M85	X	.436	.436	0	%100
14	M85	Z	.755	.755	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	0	0	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	.109	.109	0	%100
24	M94	Z	.189	.189	0	%100
25	M95	X	.463	.463	0	%100
26	M95	Z	.801	.801	0	%100
27	M96	X	.239	.239	0	%100
28	M96	Z	.413	.413	0	%100
29	M97	X	.239	.239	0	%100
30	M97	Z	.413	.413	0	%100
31	M102	X	.04	.04	0	%100
32	M102	Z	.069	.069	0	%100
33	M103	X	.398	.398	0	%100
34	M103	Z	.689	.689	0	%100
35	MP5A	X	.252	.252	0	%100
36	MP5A	Z	.436	.436	0	%100
37	MP2A	X	.341	.341	0	%100
38	MP2A	Z	.59	.59	0	%100
39	OVP	X	.252	.252	0	%100
40	OVP	Z	.436	.436	0	%100
41	MP1A	X	.252	.252	0	%100
42	MP1A	Z	.436	.436	0	%100
43	M49	X	.044	.044	0	%100
44	M49	Z	.077	.077	0	%100
45	LM1	X	.044	.044	0	%100
46	LM1	Z	.077	.077	0	%100
47	MP3A	X	.305	.305	0	%100
48	MP3A	Z	.528	.528	0	%100
49	MP4A	X	.252	.252	0	%100
50	MP4A	Z	.436	.436	0	%100
51	M57	X	.252	.252	0	%100
52	M57	Z	.436	.436	0	%100
53	MP5C	X	.252	.252	0	%100
54	MP5C	Z	.436	.436	0	%100
55	MP2C	X	.341	.341	0	%100
56	MP2C	Z	.59	.59	0	%100
57	M68	X	.252	.252	0	%100
58	M68	Z	.436	.436	0	%100
59	MP1C	X	.252	.252	0	%100
60	MP1C	Z	.436	.436	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.%]
61	MP4C	X	.252	.252	0	%100
62	MP4C	Z	.436	.436	0	%100
63	M78A	X	.252	.252	0	%100
64	M78A	Z	.436	.436	0	%100
65	MP5B	X	.252	.252	0	%100
66	MP5B	Z	.436	.436	0	%100
67	MP2B	X	.341	.341	0	%100
68	MP2B	Z	.59	.59	0	%100
69	M89A	X	.252	.252	0	%100
70	M89A	Z	.436	.436	0	%100
71	MP1B	X	.252	.252	0	%100
72	MP1B	Z	.436	.436	0	%100
73	MP4B	X	.252	.252	0	%100
74	MP4B	Z	.436	.436	0	%100
75	LIGHT	X	.252	.252	0	%100
76	LIGHT	Z	.436	.436	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	0	0	0	%100
79	M99B	X	.398	.398	0	%100
80	M99B	Z	.689	.689	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	.663	.663	0	%100
84	M99C	Z	1.148	1.148	0	%100
85	M100A	X	.041	.041	0	%100
86	M100A	Z	.071	.071	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	.041	.041	0	%100
90	M102A	Z	.071	.071	0	%100
91	M106	X	.347	.347	0	%100
92	M106	Z	.601	.601	0	%100
93	M107	X	.486	.486	0	%100
94	M107	Z	.842	.842	0	%100
95	M108	X	.347	.347	0	%100
96	M108	Z	.601	.601	0	%100
97	M103B	X	.178	.178	0	%100
98	M103B	Z	.308	.308	0	%100
99	M104B	X	.178	.178	0	%100
100	M104B	Z	.308	.308	0	%100
101	MP3C	X	.305	.305	0	%100
102	MP3C	Z	.528	.528	0	%100
103	M106A	X	.044	.044	0	%100
104	M106A	Z	.077	.077	0	%100
105	M107A	X	.044	.044	0	%100
106	M107A	Z	.077	.077	0	%100
107	MP3B	X	.305	.305	0	%100
108	MP3B	Z	.528	.528	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	LV	X	0	0	0	%100
2	LV	Z	1.768	1.768	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	1.234	1.234	0	%100
7	M78	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.%]
8	M78	Z	.636	.636	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	.636	.636	0	%100
11	M84	X	0	0	0	%100
12	M84	Z	.106	.106	0	%100
13	M85	X	0	0	0	%100
14	M85	Z	.653	.653	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	.308	.308	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	.159	.159	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	.159	.159	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	.027	.027	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	.653	.653	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	.308	.308	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	.159	.159	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	.159	.159	0	%100
31	M102	X	0	0	0	%100
32	M102	Z	.027	.027	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	1.061	1.061	0	%100
35	MP5A	X	0	0	0	%100
36	MP5A	Z	.504	.504	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	.682	.682	0	%100
39	OVP	X	0	0	0	%100
40	OVP	Z	.504	.504	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	.504	.504	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	0	0	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	0	0	0	%100
48	MP3A	Z	.61	.61	0	%100
49	MP4A	X	0	0	0	%100
50	MP4A	Z	.504	.504	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	.504	.504	0	%100
53	MP5C	X	0	0	0	%100
54	MP5C	Z	.504	.504	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	.682	.682	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	.504	.504	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	.504	.504	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	.504	.504	0	%100
63	M78A	X	0	0	0	%100
64	M78A	Z	.504	.504	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	.504	.504	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,%]
67	MP2B	X	0	0	0	%100
68	MP2B	Z	.682	.682	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	.504	.504	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	.504	.504	0	%100
73	MP4B	X	0	0	0	%100
74	MP4B	Z	.504	.504	0	%100
75	LIGHT	X	0	0	0	%100
76	LIGHT	Z	.504	.504	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	.265	.265	0	%100
79	M99B	X	0	0	0	%100
80	M99B	Z	.265	.265	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	.442	.442	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	.442	.442	0	%100
85	M100A	X	0	0	0	%100
86	M100A	Z	.109	.109	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	.027	.027	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	.027	.027	0	%100
91	M106	X	0	0	0	%100
92	M106	Z	.601	.601	0	%100
93	M107	X	0	0	0	%100
94	M107	Z	.879	.879	0	%100
95	M108	X	0	0	0	%100
96	M108	Z	.879	.879	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	.267	.267	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	.267	.267	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	.61	.61	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	.267	.267	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	.267	.267	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	.61	.61	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	LV	X	-.663	-.663	0	%100
2	LV	Z	1.148	1.148	0	%100
3	M76	X	-.109	-.109	0	%100
4	M76	Z	.189	.189	0	%100
5	M77	X	-.463	-.463	0	%100
6	M77	Z	.801	.801	0	%100
7	M78	X	-.239	-.239	0	%100
8	M78	Z	.413	.413	0	%100
9	M79	X	-.239	-.239	0	%100
10	M79	Z	.413	.413	0	%100
11	M84	X	-.04	-.04	0	%100
12	M84	Z	.069	.069	0	%100
13	M85	X	-.109	-.109	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.%]
14	M85	Z	.189	.189	0	%100
15	M86	X	-.463	-.463	0	%100
16	M86	Z	.801	.801	0	%100
17	M87	X	-.239	-.239	0	%100
18	M87	Z	.413	.413	0	%100
19	M88	X	-.239	-.239	0	%100
20	M88	Z	.413	.413	0	%100
21	M93	X	-.04	-.04	0	%100
22	M93	Z	.069	.069	0	%100
23	M94	X	-.436	-.436	0	%100
24	M94	Z	.755	.755	0	%100
25	M95	X	0	0	0	%100
26	M95	Z	0	0	0	%100
27	M96	X	0	0	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	0	0	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	0	0	0	%100
32	M102	Z	0	0	0	%100
33	M103	X	-.398	-.398	0	%100
34	M103	Z	.689	.689	0	%100
35	MP5A	X	-.252	-.252	0	%100
36	MP5A	Z	.436	.436	0	%100
37	MP2A	X	-.341	-.341	0	%100
38	MP2A	Z	.59	.59	0	%100
39	OVP	X	-.252	-.252	0	%100
40	OVP	Z	.436	.436	0	%100
41	MP1A	X	-.252	-.252	0	%100
42	MP1A	Z	.436	.436	0	%100
43	M49	X	-.044	-.044	0	%100
44	M49	Z	.077	.077	0	%100
45	LM1	X	-.044	-.044	0	%100
46	LM1	Z	.077	.077	0	%100
47	MP3A	X	-.305	-.305	0	%100
48	MP3A	Z	.528	.528	0	%100
49	MP4A	X	-.252	-.252	0	%100
50	MP4A	Z	.436	.436	0	%100
51	M57	X	-.252	-.252	0	%100
52	M57	Z	.436	.436	0	%100
53	MP5C	X	-.252	-.252	0	%100
54	MP5C	Z	.436	.436	0	%100
55	MP2C	X	-.341	-.341	0	%100
56	MP2C	Z	.59	.59	0	%100
57	M68	X	-.252	-.252	0	%100
58	M68	Z	.436	.436	0	%100
59	MP1C	X	-.252	-.252	0	%100
60	MP1C	Z	.436	.436	0	%100
61	MP4C	X	-.252	-.252	0	%100
62	MP4C	Z	.436	.436	0	%100
63	M78A	X	-.252	-.252	0	%100
64	M78A	Z	.436	.436	0	%100
65	MP5B	X	-.252	-.252	0	%100
66	MP5B	Z	.436	.436	0	%100
67	MP2B	X	-.341	-.341	0	%100
68	MP2B	Z	.59	.59	0	%100
69	M89A	X	-.252	-.252	0	%100
70	M89A	Z	.436	.436	0	%100
71	MP1B	X	-.252	-.252	0	%100
72	MP1B	Z	.436	.436	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,%]
73	MP4B	X	-.252	-.252	0	%100
74	MP4B	Z	.436	.436	0	%100
75	LIGHT	X	-.252	-.252	0	%100
76	LIGHT	Z	.436	.436	0	%100
77	M98B	X	-.398	-.398	0	%100
78	M98B	Z	.689	.689	0	%100
79	M99B	X	0	0	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	-.663	-.663	0	%100
82	M98C	Z	1.148	1.148	0	%100
83	M99C	X	0	0	0	%100
84	M99C	Z	0	0	0	%100
85	M100A	X	-.041	-.041	0	%100
86	M100A	Z	.071	.071	0	%100
87	M101A	X	-.041	-.041	0	%100
88	M101A	Z	.071	.071	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	0	0	0	%100
91	M106	X	-.347	-.347	0	%100
92	M106	Z	.601	.601	0	%100
93	M107	X	-.347	-.347	0	%100
94	M107	Z	.601	.601	0	%100
95	M108	X	-.486	-.486	0	%100
96	M108	Z	.842	.842	0	%100
97	M103B	X	-.044	-.044	0	%100
98	M103B	Z	.077	.077	0	%100
99	M104B	X	-.044	-.044	0	%100
100	M104B	Z	.077	.077	0	%100
101	MP3C	X	-.305	-.305	0	%100
102	MP3C	Z	.528	.528	0	%100
103	M106A	X	-.178	-.178	0	%100
104	M106A	Z	.308	.308	0	%100
105	M107A	X	-.178	-.178	0	%100
106	M107A	Z	.308	.308	0	%100
107	MP3B	X	-.305	-.305	0	%100
108	MP3B	Z	.528	.528	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	LV	X	-.383	-.383	0	%100
2	LV	Z	.221	.221	0	%100
3	M76	X	-.566	-.566	0	%100
4	M76	Z	.327	.327	0	%100
5	M77	X	-.267	-.267	0	%100
6	M77	Z	.154	.154	0	%100
7	M78	X	-.138	-.138	0	%100
8	M78	Z	.08	.08	0	%100
9	M79	X	-.138	-.138	0	%100
10	M79	Z	.08	.08	0	%100
11	M84	X	-.023	-.023	0	%100
12	M84	Z	.013	.013	0	%100
13	M85	X	0	0	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	-1.069	-1.069	0	%100
16	M86	Z	.617	.617	0	%100
17	M87	X	-.551	-.551	0	%100
18	M87	Z	.318	.318	0	%100
19	M88	X	-.551	-.551	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
20	M88	Z	.318	.318	0	%100
21	M93	X	-.092	-.092	0	%100
22	M93	Z	.053	.053	0	%100
23	M94	X	-.566	-.566	0	%100
24	M94	Z	.327	.327	0	%100
25	M95	X	-.267	-.267	0	%100
26	M95	Z	.154	.154	0	%100
27	M96	X	-.138	-.138	0	%100
28	M96	Z	.08	.08	0	%100
29	M97	X	-.138	-.138	0	%100
30	M97	Z	.08	.08	0	%100
31	M102	X	-.023	-.023	0	%100
32	M102	Z	.013	.013	0	%100
33	M103	X	-.23	-.23	0	%100
34	M103	Z	.133	.133	0	%100
35	MP5A	X	-.436	-.436	0	%100
36	MP5A	Z	.252	.252	0	%100
37	MP2A	X	-.59	-.59	0	%100
38	MP2A	Z	.341	.341	0	%100
39	OVP	X	-.436	-.436	0	%100
40	OVP	Z	.252	.252	0	%100
41	MP1A	X	-.436	-.436	0	%100
42	MP1A	Z	.252	.252	0	%100
43	M49	X	-.231	-.231	0	%100
44	M49	Z	.133	.133	0	%100
45	LM1	X	-.231	-.231	0	%100
46	LM1	Z	.133	.133	0	%100
47	MP3A	X	-.528	-.528	0	%100
48	MP3A	Z	.305	.305	0	%100
49	MP4A	X	-.436	-.436	0	%100
50	MP4A	Z	.252	.252	0	%100
51	M57	X	-.436	-.436	0	%100
52	M57	Z	.252	.252	0	%100
53	MP5C	X	-.436	-.436	0	%100
54	MP5C	Z	.252	.252	0	%100
55	MP2C	X	-.59	-.59	0	%100
56	MP2C	Z	.341	.341	0	%100
57	M68	X	-.436	-.436	0	%100
58	M68	Z	.252	.252	0	%100
59	MP1C	X	-.436	-.436	0	%100
60	MP1C	Z	.252	.252	0	%100
61	MP4C	X	-.436	-.436	0	%100
62	MP4C	Z	.252	.252	0	%100
63	M78A	X	-.436	-.436	0	%100
64	M78A	Z	.252	.252	0	%100
65	MP5B	X	-.436	-.436	0	%100
66	MP5B	Z	.252	.252	0	%100
67	MP2B	X	-.59	-.59	0	%100
68	MP2B	Z	.341	.341	0	%100
69	M89A	X	-.436	-.436	0	%100
70	M89A	Z	.252	.252	0	%100
71	MP1B	X	-.436	-.436	0	%100
72	MP1B	Z	.252	.252	0	%100
73	MP4B	X	-.436	-.436	0	%100
74	MP4B	Z	.252	.252	0	%100
75	LIGHT	X	-.436	-.436	0	%100
76	LIGHT	Z	.252	.252	0	%100
77	M98B	X	-.919	-.919	0	%100
78	M98B	Z	.53	.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
79	M99B	X	-.23	-.23	0	%100
80	M99B	Z	.133	.133	0	%100
81	M98C	X	-1.531	-1.531	0	%100
82	M98C	Z	.884	.884	0	%100
83	M99C	X	-.383	-.383	0	%100
84	M99C	Z	.221	.221	0	%100
85	M100A	X	-.024	-.024	0	%100
86	M100A	Z	.014	.014	0	%100
87	M101A	X	-.095	-.095	0	%100
88	M101A	Z	.055	.055	0	%100
89	M102A	X	-.024	-.024	0	%100
90	M102A	Z	.014	.014	0	%100
91	M106	X	-.762	-.762	0	%100
92	M106	Z	.44	.44	0	%100
93	M107	X	-.52	-.52	0	%100
94	M107	Z	.3	.3	0	%100
95	M108	X	-.762	-.762	0	%100
96	M108	Z	.44	.44	0	%100
97	M103B	X	0	0	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	0	0	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	-.528	-.528	0	%100
102	MP3C	Z	.305	.305	0	%100
103	M106A	X	-.231	-.231	0	%100
104	M106A	Z	.133	.133	0	%100
105	M107A	X	-.231	-.231	0	%100
106	M107A	Z	.133	.133	0	%100
107	MP3B	X	-.528	-.528	0	%100
108	MP3B	Z	.305	.305	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	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M76	X	-.871	-.871	0	%100
4	M76	Z	0	0	0	%100
5	M77	X	0	0	0	%100
6	M77	Z	0	0	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	0	0	0	%100
11	M84	X	0	0	0	%100
12	M84	Z	0	0	0	%100
13	M85	X	-.218	-.218	0	%100
14	M85	Z	0	0	0	%100
15	M86	X	-.925	-.925	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	-.477	-.477	0	%100
18	M87	Z	0	0	0	%100
19	M88	X	-.477	-.477	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	-.08	-.08	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	-.218	-.218	0	%100
24	M94	Z	0	0	0	%100
25	M95	X	-.925	-.925	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.%]
26	M95	Z	0	0	0	%100
27	M96	X	-.477	-.477	0	%100
28	M96	Z	0	0	0	%100
29	M97	X	-.477	-.477	0	%100
30	M97	Z	0	0	0	%100
31	M102	X	-.08	-.08	0	%100
32	M102	Z	0	0	0	%100
33	M103	X	0	0	0	%100
34	M103	Z	0	0	0	%100
35	MP5A	X	-.504	-.504	0	%100
36	MP5A	Z	0	0	0	%100
37	MP2A	X	-.682	-.682	0	%100
38	MP2A	Z	0	0	0	%100
39	OVP	X	-.504	-.504	0	%100
40	OVP	Z	0	0	0	%100
41	MP1A	X	-.504	-.504	0	%100
42	MP1A	Z	0	0	0	%100
43	M49	X	-.356	-.356	0	%100
44	M49	Z	0	0	0	%100
45	LM1	X	-.356	-.356	0	%100
46	LM1	Z	0	0	0	%100
47	MP3A	X	-.61	-.61	0	%100
48	MP3A	Z	0	0	0	%100
49	MP4A	X	-.504	-.504	0	%100
50	MP4A	Z	0	0	0	%100
51	M57	X	-.504	-.504	0	%100
52	M57	Z	0	0	0	%100
53	MP5C	X	-.504	-.504	0	%100
54	MP5C	Z	0	0	0	%100
55	MP2C	X	-.682	-.682	0	%100
56	MP2C	Z	0	0	0	%100
57	M68	X	-.504	-.504	0	%100
58	M68	Z	0	0	0	%100
59	MP1C	X	-.504	-.504	0	%100
60	MP1C	Z	0	0	0	%100
61	MP4C	X	-.504	-.504	0	%100
62	MP4C	Z	0	0	0	%100
63	M78A	X	-.504	-.504	0	%100
64	M78A	Z	0	0	0	%100
65	MP5B	X	-.504	-.504	0	%100
66	MP5B	Z	0	0	0	%100
67	MP2B	X	-.682	-.682	0	%100
68	MP2B	Z	0	0	0	%100
69	M89A	X	-.504	-.504	0	%100
70	M89A	Z	0	0	0	%100
71	MP1B	X	-.504	-.504	0	%100
72	MP1B	Z	0	0	0	%100
73	MP4B	X	-.504	-.504	0	%100
74	MP4B	Z	0	0	0	%100
75	LIGHT	X	-.504	-.504	0	%100
76	LIGHT	Z	0	0	0	%100
77	M98B	X	-.796	-.796	0	%100
78	M98B	Z	0	0	0	%100
79	M99B	X	-.796	-.796	0	%100
80	M99B	Z	0	0	0	%100
81	M98C	X	-1.326	-1.326	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	-1.326	-1.326	0	%100
84	M99C	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,%]
85	M100A	X	0	0	0	%100
86	M100A	Z	0	0	0	%100
87	M101A	X	-.082	-.082	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	-.082	-.082	0	%100
90	M102A	Z	0	0	0	%100
91	M106	X	-.972	-.972	0	%100
92	M106	Z	0	0	0	%100
93	M107	X	-.694	-.694	0	%100
94	M107	Z	0	0	0	%100
95	M108	X	-.694	-.694	0	%100
96	M108	Z	0	0	0	%100
97	M103B	X	-.089	-.089	0	%100
98	M103B	Z	0	0	0	%100
99	M104B	X	-.089	-.089	0	%100
100	M104B	Z	0	0	0	%100
101	MP3C	X	-.61	-.61	0	%100
102	MP3C	Z	0	0	0	%100
103	M106A	X	-.089	-.089	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	-.089	-.089	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	-.61	-.61	0	%100
108	MP3B	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	LV	X	-.383	-.383	0	%100
2	LV	Z	-.221	-.221	0	%100
3	M76	X	-.566	-.566	0	%100
4	M76	Z	-.327	-.327	0	%100
5	M77	X	-.267	-.267	0	%100
6	M77	Z	-.154	-.154	0	%100
7	M78	X	-.138	-.138	0	%100
8	M78	Z	-.08	-.08	0	%100
9	M79	X	-.138	-.138	0	%100
10	M79	Z	-.08	-.08	0	%100
11	M84	X	-.023	-.023	0	%100
12	M84	Z	-.013	-.013	0	%100
13	M85	X	-.566	-.566	0	%100
14	M85	Z	-.327	-.327	0	%100
15	M86	X	-.267	-.267	0	%100
16	M86	Z	-.154	-.154	0	%100
17	M87	X	-.138	-.138	0	%100
18	M87	Z	-.08	-.08	0	%100
19	M88	X	-.138	-.138	0	%100
20	M88	Z	-.08	-.08	0	%100
21	M93	X	-.023	-.023	0	%100
22	M93	Z	-.013	-.013	0	%100
23	M94	X	0	0	0	%100
24	M94	Z	0	0	0	%100
25	M95	X	-1.069	-1.069	0	%100
26	M95	Z	-.617	-.617	0	%100
27	M96	X	-.551	-.551	0	%100
28	M96	Z	-.318	-.318	0	%100
29	M97	X	-.551	-.551	0	%100
30	M97	Z	-.318	-.318	0	%100
31	M102	X	-.092	-.092	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.%]
32	M102	Z	-.053	-.053	0	%100
33	M103	X	-.23	-.23	0	%100
34	M103	Z	-.133	-.133	0	%100
35	MP5A	X	-.436	-.436	0	%100
36	MP5A	Z	-.252	-.252	0	%100
37	MP2A	X	-.59	-.59	0	%100
38	MP2A	Z	-.341	-.341	0	%100
39	OVP	X	-.436	-.436	0	%100
40	OVP	Z	-.252	-.252	0	%100
41	MP1A	X	-.436	-.436	0	%100
42	MP1A	Z	-.252	-.252	0	%100
43	M49	X	-.231	-.231	0	%100
44	M49	Z	-.133	-.133	0	%100
45	LM1	X	-.231	-.231	0	%100
46	LM1	Z	-.133	-.133	0	%100
47	MP3A	X	-.528	-.528	0	%100
48	MP3A	Z	-.305	-.305	0	%100
49	MP4A	X	-.436	-.436	0	%100
50	MP4A	Z	-.252	-.252	0	%100
51	M57	X	-.436	-.436	0	%100
52	M57	Z	-.252	-.252	0	%100
53	MP5C	X	-.436	-.436	0	%100
54	MP5C	Z	-.252	-.252	0	%100
55	MP2C	X	-.59	-.59	0	%100
56	MP2C	Z	-.341	-.341	0	%100
57	M68	X	-.436	-.436	0	%100
58	M68	Z	-.252	-.252	0	%100
59	MP1C	X	-.436	-.436	0	%100
60	MP1C	Z	-.252	-.252	0	%100
61	MP4C	X	-.436	-.436	0	%100
62	MP4C	Z	-.252	-.252	0	%100
63	M78A	X	-.436	-.436	0	%100
64	M78A	Z	-.252	-.252	0	%100
65	MP5B	X	-.436	-.436	0	%100
66	MP5B	Z	-.252	-.252	0	%100
67	MP2B	X	-.59	-.59	0	%100
68	MP2B	Z	-.341	-.341	0	%100
69	M89A	X	-.436	-.436	0	%100
70	M89A	Z	-.252	-.252	0	%100
71	MP1B	X	-.436	-.436	0	%100
72	MP1B	Z	-.252	-.252	0	%100
73	MP4B	X	-.436	-.436	0	%100
74	MP4B	Z	-.252	-.252	0	%100
75	LIGHT	X	-.436	-.436	0	%100
76	LIGHT	Z	-.252	-.252	0	%100
77	M98B	X	-.23	-.23	0	%100
78	M98B	Z	-.133	-.133	0	%100
79	M99B	X	-.919	-.919	0	%100
80	M99B	Z	-.53	-.53	0	%100
81	M98C	X	-.383	-.383	0	%100
82	M98C	Z	-.221	-.221	0	%100
83	M99C	X	-1.531	-1.531	0	%100
84	M99C	Z	-.884	-.884	0	%100
85	M100A	X	-.024	-.024	0	%100
86	M100A	Z	-.014	-.014	0	%100
87	M101A	X	-.024	-.024	0	%100
88	M101A	Z	-.014	-.014	0	%100
89	M102A	X	-.095	-.095	0	%100
90	M102A	Z	-.055	-.055	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,%]
91	M106	X	-.762	-.762	0	%100
92	M106	Z	-.44	-.44	0	%100
93	M107	X	-.762	-.762	0	%100
94	M107	Z	-.44	-.44	0	%100
95	M108	X	-.52	-.52	0	%100
96	M108	Z	-.3	-.3	0	%100
97	M103B	X	-.231	-.231	0	%100
98	M103B	Z	-.133	-.133	0	%100
99	M104B	X	-.231	-.231	0	%100
100	M104B	Z	-.133	-.133	0	%100
101	MP3C	X	-.528	-.528	0	%100
102	MP3C	Z	-.305	-.305	0	%100
103	M106A	X	0	0	0	%100
104	M106A	Z	0	0	0	%100
105	M107A	X	0	0	0	%100
106	M107A	Z	0	0	0	%100
107	MP3B	X	-.528	-.528	0	%100
108	MP3B	Z	-.305	-.305	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	LV	X	-.663	-.663	0	%100
2	LV	Z	-1.148	-1.148	0	%100
3	M76	X	-.109	-.109	0	%100
4	M76	Z	-.189	-.189	0	%100
5	M77	X	-.463	-.463	0	%100
6	M77	Z	-.801	-.801	0	%100
7	M78	X	-.239	-.239	0	%100
8	M78	Z	-.413	-.413	0	%100
9	M79	X	-.239	-.239	0	%100
10	M79	Z	-.413	-.413	0	%100
11	M84	X	-.04	-.04	0	%100
12	M84	Z	-.069	-.069	0	%100
13	M85	X	-.436	-.436	0	%100
14	M85	Z	-.755	-.755	0	%100
15	M86	X	0	0	0	%100
16	M86	Z	0	0	0	%100
17	M87	X	0	0	0	%100
18	M87	Z	0	0	0	%100
19	M88	X	0	0	0	%100
20	M88	Z	0	0	0	%100
21	M93	X	0	0	0	%100
22	M93	Z	0	0	0	%100
23	M94	X	-.109	-.109	0	%100
24	M94	Z	-.189	-.189	0	%100
25	M95	X	-.463	-.463	0	%100
26	M95	Z	-.801	-.801	0	%100
27	M96	X	-.239	-.239	0	%100
28	M96	Z	-.413	-.413	0	%100
29	M97	X	-.239	-.239	0	%100
30	M97	Z	-.413	-.413	0	%100
31	M102	X	-.04	-.04	0	%100
32	M102	Z	-.069	-.069	0	%100
33	M103	X	-.398	-.398	0	%100
34	M103	Z	-.689	-.689	0	%100
35	MP5A	X	-.252	-.252	0	%100
36	MP5A	Z	-.436	-.436	0	%100
37	MP2A	X	-.341	-.341	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.%]
38	MP2A	Z	-.59	-.59	0	%100
39	OVP	X	-.252	-.252	0	%100
40	OVP	Z	-.436	-.436	0	%100
41	MP1A	X	-.252	-.252	0	%100
42	MP1A	Z	-.436	-.436	0	%100
43	M49	X	-.044	-.044	0	%100
44	M49	Z	-.077	-.077	0	%100
45	LM1	X	-.044	-.044	0	%100
46	LM1	Z	-.077	-.077	0	%100
47	MP3A	X	-.305	-.305	0	%100
48	MP3A	Z	-.528	-.528	0	%100
49	MP4A	X	-.252	-.252	0	%100
50	MP4A	Z	-.436	-.436	0	%100
51	M57	X	-.252	-.252	0	%100
52	M57	Z	-.436	-.436	0	%100
53	MP5C	X	-.252	-.252	0	%100
54	MP5C	Z	-.436	-.436	0	%100
55	MP2C	X	-.341	-.341	0	%100
56	MP2C	Z	-.59	-.59	0	%100
57	M68	X	-.252	-.252	0	%100
58	M68	Z	-.436	-.436	0	%100
59	MP1C	X	-.252	-.252	0	%100
60	MP1C	Z	-.436	-.436	0	%100
61	MP4C	X	-.252	-.252	0	%100
62	MP4C	Z	-.436	-.436	0	%100
63	M78A	X	-.252	-.252	0	%100
64	M78A	Z	-.436	-.436	0	%100
65	MP5B	X	-.252	-.252	0	%100
66	MP5B	Z	-.436	-.436	0	%100
67	MP2B	X	-.341	-.341	0	%100
68	MP2B	Z	-.59	-.59	0	%100
69	M89A	X	-.252	-.252	0	%100
70	M89A	Z	-.436	-.436	0	%100
71	MP1B	X	-.252	-.252	0	%100
72	MP1B	Z	-.436	-.436	0	%100
73	MP4B	X	-.252	-.252	0	%100
74	MP4B	Z	-.436	-.436	0	%100
75	LIGHT	X	-.252	-.252	0	%100
76	LIGHT	Z	-.436	-.436	0	%100
77	M98B	X	0	0	0	%100
78	M98B	Z	0	0	0	%100
79	M99B	X	-.398	-.398	0	%100
80	M99B	Z	-.689	-.689	0	%100
81	M98C	X	0	0	0	%100
82	M98C	Z	0	0	0	%100
83	M99C	X	-.663	-.663	0	%100
84	M99C	Z	-1.148	-1.148	0	%100
85	M100A	X	-.041	-.041	0	%100
86	M100A	Z	-.071	-.071	0	%100
87	M101A	X	0	0	0	%100
88	M101A	Z	0	0	0	%100
89	M102A	X	-.041	-.041	0	%100
90	M102A	Z	-.071	-.071	0	%100
91	M106	X	-.347	-.347	0	%100
92	M106	Z	-.601	-.601	0	%100
93	M107	X	-.486	-.486	0	%100
94	M107	Z	-.842	-.842	0	%100
95	M108	X	-.347	-.347	0	%100
96	M108	Z	-.601	-.601	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.%]
97	M103B	X	-.178	-.178	0	%100
98	M103B	Z	-.308	-.308	0	%100
99	M104B	X	-.178	-.178	0	%100
100	M104B	Z	-.308	-.308	0	%100
101	MP3C	X	-.305	-.305	0	%100
102	MP3C	Z	-.528	-.528	0	%100
103	M106A	X	-.044	-.044	0	%100
104	M106A	Z	-.077	-.077	0	%100
105	M107A	X	-.044	-.044	0	%100
106	M107A	Z	-.077	-.077	0	%100
107	MP3B	X	-.305	-.305	0	%100
108	MP3B	Z	-.528	-.528	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	LV	Y	-.151	-5.232	0	1.56
2	LV	Y	-5.232	-8.328	1.56	3.12
3	LV	Y	-8.328	-5.574	3.12	4.68
4	LV	Y	-5.574	-1.724	4.68	6.24
5	LV	Y	-1.724	-.151	6.24	7.8
6	M86	Y	-.28	-5.282	0	1.156
7	M86	Y	-5.282	-8.109	1.156	2.312
8	M86	Y	-8.109	-6.535	2.312	3.469
9	M86	Y	-6.535	-4.341	3.469	4.625
10	M86	Y	-4.341	-2.313	4.625	5.781
11	M87	Y	-.793	-.793	.05	.368
12	M88	Y	-2.559	-1.803	0	.417
13	M99C	Y	-.167	-1.513	5.2	6.76
14	M99C	Y	-1.513	-5.89	6.76	8.32
15	M99C	Y	-5.89	-7.646	8.32	9.88
16	M99C	Y	-7.646	-4.699	9.88	11.44
17	M99C	Y	-4.699	-1.355	11.44	13
18	LV	Y	-.191	-4.235	6.5	7.8
19	LV	Y	-4.235	-9.476	7.8	9.1
20	LV	Y	-9.476	-8.619	9.1	10.4
21	LV	Y	-8.619	-4.334	10.4	11.7
22	LV	Y	-4.334	-.191	11.7	13
23	M95	Y	-6.722	-6.586	0	1.445
24	M95	Y	-6.586	-6.484	1.445	2.891
25	M95	Y	-6.484	-5.482	2.891	4.336
26	M95	Y	-5.482	-3.547	4.336	5.781
27	M98C	Y	-.531	-4.497	0	1.3
28	M98C	Y	-4.497	-7.945	1.3	2.6
29	M98C	Y	-7.945	-6.507	2.6	3.9
30	M98C	Y	-6.507	-1.337	3.9	5.2
31	M77	Y	-3.543	-5.478	0	1.445
32	M77	Y	-5.478	-6.483	1.445	2.891
33	M77	Y	-6.483	-6.592	2.891	4.336
34	M77	Y	-6.592	-6.735	4.336	5.781
35	M98C	Y	-1.34	-6.516	7.8	9.1
36	M98C	Y	-6.516	-7.956	9.1	10.4
37	M98C	Y	-7.956	-4.504	10.4	11.7
38	M98C	Y	-4.504	-.532	11.7	13
39	M99C	Y	-.191	-4.328	0	1.3
40	M99C	Y	-4.328	-8.604	1.3	2.6
41	M99C	Y	-8.604	-9.465	2.6	3.9
42	M99C	Y	-9.465	-4.232	3.9	5.2
43	M99C	Y	-4.232	-.191	5.2	6.5

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft,%]	End Location[ft,%]
44	M77	Y	-2.404	-3.526	0	.578
45	M77	Y	-3.526	-5.191	.578	1.156
46	M77	Y	-5.191	-3.846	1.156	1.734
47	M77	Y	-3.846	-.726	1.734	2.312
48	M77	Y	-.726	-.056	2.312	2.891
49	M78	Y	-.848	-.848	0	.417
50	M86	Y	-.09	-1.01	2.891	3.469
51	M86	Y	-1.01	-4.115	3.469	4.047
52	M86	Y	-4.115	-5.514	4.047	4.625
53	M86	Y	-5.514	-3.821	4.625	5.203
54	M86	Y	-3.821	-2.011	5.203	5.781
55	M99C	Y	-.158	-.158	5.971	6.971
56	M77	Y	-.052	-2.242	3.469	3.931
57	M77	Y	-2.242	-6.754	3.931	4.394
58	M77	Y	-6.754	-6.325	4.394	4.856
59	M77	Y	-6.325	-3.051	4.856	5.319
60	M77	Y	-3.051	-2.009	5.319	5.781
61	M79	Y	-.132	-2.242	0	.417
62	M95	Y	-2.404	-3.522	0	.578
63	M95	Y	-3.522	-5.186	.578	1.156
64	M95	Y	-5.186	-3.843	1.156	1.734
65	M95	Y	-3.843	-.726	1.734	2.312
66	M95	Y	-.726	-.056	2.312	2.891
67	M96	Y	-.85	-.85	0	.417
68	M98C	Y	-.158	-.158	5.971	6.971
69	LV	Y	-.158	-.158	5.971	6.971
70	M86	Y	-2.408	-3.527	0	.578
71	M86	Y	-3.527	-5.19	.578	1.156
72	M86	Y	-5.19	-3.846	1.156	1.734
73	M86	Y	-3.846	-.726	1.734	2.312
74	M86	Y	-.726	-.056	2.312	2.891
75	M87	Y	-.851	-.851	0	.417
76	M95	Y	-.09	-1.01	2.891	3.469
77	M95	Y	-1.01	-4.115	3.469	4.047
78	M95	Y	-4.115	-5.513	4.047	4.625
79	M95	Y	-5.513	-3.82	4.625	5.203
80	M95	Y	-3.82	-2.01	5.203	5.781
81	M97	Y	-1.361	-1.01	0	.417

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	LV	Y	-.291	-10.117	0	1.56
2	LV	Y	-10.117	-16.104	1.56	3.12
3	LV	Y	-16.104	-10.778	3.12	4.68
4	LV	Y	-10.778	-3.334	4.68	6.24
5	LV	Y	-3.334	-.291	6.24	7.8
6	M86	Y	-.541	-10.214	0	1.156
7	M86	Y	-10.214	-15.681	1.156	2.312
8	M86	Y	-15.681	-12.637	2.312	3.469
9	M86	Y	-12.637	-8.394	3.469	4.625
10	M86	Y	-8.394	-4.473	4.625	5.781
11	M87	Y	-1.534	-1.534	.05	.368
12	M88	Y	-4.948	-3.487	0	.417
13	M99C	Y	-.323	-2.926	5.2	6.76
14	M99C	Y	-2.926	-11.389	6.76	8.32
15	M99C	Y	-11.389	-14.785	8.32	9.88
16	M99C	Y	-14.785	-9.087	9.88	11.44
17	M99C	Y	-9.087	-2.62	11.44	13

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	LV	Y	-369	-8.19	6.5	7.8
19	LV	Y	-8.19	-18.322	7.8	9.1
20	LV	Y	-18.322	-16.667	9.1	10.4
21	LV	Y	-16.667	-8.381	10.4	11.7
22	LV	Y	-8.381	-369	11.7	13
23	M95	Y	-12.997	-12.735	0	1.445
24	M95	Y	-12.735	-12.537	1.445	2.891
25	M95	Y	-12.537	-10.6	2.891	4.336
26	M95	Y	-10.6	-6.858	4.336	5.781
27	M98C	Y	-1.027	-8.695	0	1.3
28	M98C	Y	-8.695	-15.363	1.3	2.6
29	M98C	Y	-15.363	-12.582	2.6	3.9
30	M98C	Y	-12.582	-2.586	3.9	5.2
31	M77	Y	-6.852	-10.592	0	1.445
32	M77	Y	-10.592	-12.536	1.445	2.891
33	M77	Y	-12.536	-12.747	2.891	4.336
34	M77	Y	-12.747	-13.023	4.336	5.781
35	M98C	Y	-2.591	-12.599	7.8	9.1
36	M98C	Y	-12.599	-15.383	9.1	10.4
37	M98C	Y	-15.383	-8.709	10.4	11.7
38	M98C	Y	-8.709	-1.029	11.7	13
39	M99C	Y	-.37	-8.369	0	1.3
40	M99C	Y	-8.369	-16.637	1.3	2.6
41	M99C	Y	-16.637	-18.302	2.6	3.9
42	M99C	Y	-18.302	-8.184	3.9	5.2
43	M99C	Y	-8.184	-.37	5.2	6.5
44	M77	Y	-4.649	-6.818	0	.578
45	M77	Y	-6.818	-10.038	.578	1.156
46	M77	Y	-10.038	-7.437	1.156	1.734
47	M77	Y	-7.437	-1.405	1.734	2.312
48	M77	Y	-1.405	-.108	2.312	2.891
49	M78	Y	-1.64	-1.64	0	.417
50	M86	Y	-.175	-1.953	2.891	3.469
51	M86	Y	-1.953	-7.958	3.469	4.047
52	M86	Y	-7.958	-10.662	4.047	4.625
53	M86	Y	-10.662	-7.388	4.625	5.203
54	M86	Y	-7.388	-3.889	5.203	5.781
55	M99C	Y	-.306	-.306	5.971	6.971
56	M77	Y	-.101	-4.334	3.469	3.931
57	M77	Y	-4.334	-13.061	3.931	4.394
58	M77	Y	-13.061	-12.229	4.394	4.856
59	M77	Y	-12.229	-5.899	4.856	5.319
60	M77	Y	-5.899	-3.886	5.319	5.781
61	M79	Y	-.254	-4.334	0	.417
62	M95	Y	-4.648	-6.811	0	.578
63	M95	Y	-6.811	-10.028	.578	1.156
64	M95	Y	-10.028	-7.432	1.156	1.734
65	M95	Y	-7.432	-1.404	1.734	2.312
66	M95	Y	-1.404	-.108	2.312	2.891
67	M96	Y	-1.644	-1.644	0	.417
68	M98C	Y	-.306	-.306	5.971	6.971
69	LV	Y	-.305	-.305	5.971	6.971
70	M86	Y	-4.656	-6.819	0	.578
71	M86	Y	-6.819	-10.037	.578	1.156
72	M86	Y	-10.037	-7.437	1.156	1.734
73	M86	Y	-7.437	-1.404	1.734	2.312
74	M86	Y	-1.404	-.108	2.312	2.891
75	M87	Y	-1.646	-1.646	0	.417
76	M95	Y	-.175	-1.953	2.891	3.469

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,%]
77	M95	Y	-1.953	-7.958	3.469	4.047
78	M95	Y	-7.958	-10.661	4.047	4.625
79	M95	Y	-10.661	-7.386	4.625	5.203
80	M95	Y	-7.386	-3.887	5.203	5.781
81	M97	Y	-2.631	-1.953	0	.417

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	LV	Z	-.005	-.157	0	1.56
2	LV	Z	-.157	-.25	1.56	3.12
3	LV	Z	-.25	-.167	3.12	4.68
4	LV	Z	-.167	-.052	4.68	6.24
5	LV	Z	-.052	-.005	6.24	7.8
6	M86	Z	-.008	-.158	0	1.156
7	M86	Z	-.158	-.243	1.156	2.312
8	M86	Z	-.243	-.196	2.312	3.469
9	M86	Z	-.196	-.13	3.469	4.625
10	M86	Z	-.13	-.069	4.625	5.781
11	M87	Z	-.024	-.024	.05	.368
12	M88	Z	-.077	-.054	0	.417
13	M99C	Z	-.005	-.045	5.2	6.76
14	M99C	Z	-.045	-.177	6.76	8.32
15	M99C	Z	-.177	-.229	8.32	9.88
16	M99C	Z	-.229	-.141	9.88	11.44
17	M99C	Z	-.141	-.041	11.44	13
18	LV	Z	-.006	-.127	6.5	7.8
19	LV	Z	-.127	-.284	7.8	9.1
20	LV	Z	-.284	-.259	9.1	10.4
21	LV	Z	-.259	-.13	10.4	11.7
22	LV	Z	-.13	-.006	11.7	13
23	M95	Z	-.202	-.198	0	1.445
24	M95	Z	-.198	-.195	1.445	2.891
25	M95	Z	-.195	-.164	2.891	4.336
26	M95	Z	-.164	-.106	4.336	5.781
27	M98C	Z	-.016	-.135	0	1.3
28	M98C	Z	-.135	-.238	1.3	2.6
29	M98C	Z	-.238	-.195	2.6	3.9
30	M98C	Z	-.195	-.04	3.9	5.2
31	M77	Z	-.106	-.164	0	1.445
32	M77	Z	-.164	-.194	1.445	2.891
33	M77	Z	-.194	-.198	2.891	4.336
34	M77	Z	-.198	-.202	4.336	5.781
35	M98C	Z	-.04	-.195	7.8	9.1
36	M98C	Z	-.195	-.239	9.1	10.4
37	M98C	Z	-.239	-.135	10.4	11.7
38	M98C	Z	-.135	-.016	11.7	13
39	M99C	Z	-.006	-.13	0	1.3
40	M99C	Z	-.13	-.258	1.3	2.6
41	M99C	Z	-.258	-.284	2.6	3.9
42	M99C	Z	-.284	-.127	3.9	5.2
43	M99C	Z	-.127	-.006	5.2	6.5
44	M77	Z	-.072	-.106	0	.578
45	M77	Z	-.106	-.156	.578	1.156
46	M77	Z	-.156	-.115	1.156	1.734
47	M77	Z	-.115	-.022	1.734	2.312
48	M77	Z	-.022	-.002	2.312	2.891
49	M78	Z	-.025	-.025	0	.417
50	M86	Z	-.003	-.03	2.891	3.469

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
51	M86	Z	-.03	-.123	3.469	4.047
52	M86	Z	-.123	-.165	4.047	4.625
53	M86	Z	-.165	-.115	4.625	5.203
54	M86	Z	-.115	-.06	5.203	5.781
55	M99C	Z	-.005	-.005	5.971	6.971
56	M77	Z	-.002	-.067	3.469	3.931
57	M77	Z	-.067	-.203	3.931	4.394
58	M77	Z	-.203	-.19	4.394	4.856
59	M77	Z	-.19	-.092	4.856	5.319
60	M77	Z	-.092	-.06	5.319	5.781
61	M79	Z	-.004	-.067	0	.417
62	M95	Z	-.072	-.106	0	.578
63	M95	Z	-.106	-.156	.578	1.156
64	M95	Z	-.156	-.115	1.156	1.734
65	M95	Z	-.115	-.022	1.734	2.312
66	M95	Z	-.022	-.002	2.312	2.891
67	M96	Z	-.026	-.026	0	.417
68	M98C	Z	-.005	-.005	5.971	6.971
69	LV	Z	-.005	-.005	5.971	6.971
70	M86	Z	-.072	-.106	0	.578
71	M86	Z	-.106	-.156	.578	1.156
72	M86	Z	-.156	-.115	1.156	1.734
73	M86	Z	-.115	-.022	1.734	2.312
74	M86	Z	-.022	-.002	2.312	2.891
75	M87	Z	-.026	-.026	0	.417
76	M95	Z	-.003	-.03	2.891	3.469
77	M95	Z	-.03	-.123	3.469	4.047
78	M95	Z	-.123	-.165	4.047	4.625
79	M95	Z	-.165	-.115	4.625	5.203
80	M95	Z	-.115	-.06	5.203	5.781
81	M97	Z	-.041	-.03	0	.417

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	LV	X	.005	.157	0	1.56
2	LV	X	.157	.25	1.56	3.12
3	LV	X	.25	.167	3.12	4.68
4	LV	X	.167	.052	4.68	6.24
5	LV	X	.052	.005	6.24	7.8
6	M86	X	.008	.158	0	1.156
7	M86	X	.158	.243	1.156	2.312
8	M86	X	.243	.196	2.312	3.469
9	M86	X	.196	.13	3.469	4.625
10	M86	X	.13	.069	4.625	5.781
11	M87	X	.024	.024	.05	.368
12	M88	X	.077	.054	0	.417
13	M99C	X	.005	.045	5.2	6.76
14	M99C	X	.045	.177	6.76	8.32
15	M99C	X	.177	.229	8.32	9.88
16	M99C	X	.229	.141	9.88	11.44
17	M99C	X	.141	.041	11.44	13
18	LV	X	.006	.127	6.5	7.8
19	LV	X	.127	.284	7.8	9.1
20	LV	X	.284	.259	9.1	10.4
21	LV	X	.259	.13	10.4	11.7
22	LV	X	.13	.006	11.7	13
23	M95	X	.202	.198	0	1.445
24	M95	X	.198	.195	1.445	2.891

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,%]
25	M95	X	.195	.164	2.891	4.336
26	M95	X	.164	.106	4.336	5.781
27	M98C	X	.016	.135	0	1.3
28	M98C	X	.135	.238	1.3	2.6
29	M98C	X	.238	.195	2.6	3.9
30	M98C	X	.195	.04	3.9	5.2
31	M77	X	.106	.164	0	1.445
32	M77	X	.164	.194	1.445	2.891
33	M77	X	.194	.198	2.891	4.336
34	M77	X	.198	.202	4.336	5.781
35	M98C	X	.04	.195	7.8	9.1
36	M98C	X	.195	.239	9.1	10.4
37	M98C	X	.239	.135	10.4	11.7
38	M98C	X	.135	.016	11.7	13
39	M99C	X	.006	.13	0	1.3
40	M99C	X	.13	.258	1.3	2.6
41	M99C	X	.258	.284	2.6	3.9
42	M99C	X	.284	.127	3.9	5.2
43	M99C	X	.127	.006	5.2	6.5
44	M77	X	.072	.106	0	.578
45	M77	X	.106	.156	.578	1.156
46	M77	X	.156	.115	1.156	1.734
47	M77	X	.115	.022	1.734	2.312
48	M77	X	.022	.002	2.312	2.891
49	M78	X	.025	.025	0	.417
50	M86	X	.003	.03	2.891	3.469
51	M86	X	.03	.123	3.469	4.047
52	M86	X	.123	.165	4.047	4.625
53	M86	X	.165	.115	4.625	5.203
54	M86	X	.115	.06	5.203	5.781
55	M99C	X	.005	.005	5.971	6.971
56	M77	X	.002	.067	3.469	3.931
57	M77	X	.067	.203	3.931	4.394
58	M77	X	.203	.19	4.394	4.856
59	M77	X	.19	.092	4.856	5.319
60	M77	X	.092	.06	5.319	5.781
61	M79	X	.004	.067	0	.417
62	M95	X	.072	.106	0	.578
63	M95	X	.106	.156	.578	1.156
64	M95	X	.156	.115	1.156	1.734
65	M95	X	.115	.022	1.734	2.312
66	M95	X	.022	.002	2.312	2.891
67	M96	X	.026	.026	0	.417
68	M98C	X	.005	.005	5.971	6.971
69	LV	X	.005	.005	5.971	6.971
70	M86	X	.072	.106	0	.578
71	M86	X	.106	.156	.578	1.156
72	M86	X	.156	.115	1.156	1.734
73	M86	X	.115	.022	1.734	2.312
74	M86	X	.022	.002	2.312	2.891
75	M87	X	.026	.026	0	.417
76	M95	X	.003	.03	2.891	3.469
77	M95	X	.03	.123	3.469	4.047
78	M95	X	.123	.165	4.047	4.625
79	M95	X	.165	.115	4.625	5.203
80	M95	X	.115	.06	5.203	5.781
81	M97	X	.041	.03	0	.417

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N180	N179	N161	N156	Y	Two Way	-.005
2	N155	N159	N194	N193	Y	Two Way	-.005
3	N162	N169	N168	N158	Y	Two Way	-.005
4	N144	N161	N162	N142B	Y	Two Way	-.005
5	N206	N205A	N159	N158	Y	Two Way	-.005
6	N156	N140	N142	N155	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N180	N179	N161	N156	Y	Two Way	-.01
2	N155	N159	N194	N193	Y	Two Way	-.01
3	N162	N169	N168	N158	Y	Two Way	-.01
4	N144	N161	N162	N142B	Y	Two Way	-.01
5	N206	N205A	N159	N158	Y	Two Way	-.01
6	N156	N140	N142	N155	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N180	N179	N161	N156	Y	Two Way	0
2	N155	N159	N194	N193	Y	Two Way	0
3	N162	N169	N168	N158	Y	Two Way	0
4	N144	N161	N162	N142B	Y	Two Way	0
5	N206	N205A	N159	N158	Y	Two Way	0
6	N156	N140	N142	N155	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	N180	N179	N161	N156	Z	Two Way	-.000156
2	N155	N159	N194	N193	Z	Two Way	-.000156
3	N162	N169	N168	N158	Z	Two Way	-.000156
4	N144	N161	N162	N142B	Z	Two Way	-.000156
5	N206	N205A	N159	N158	Z	Two Way	-.000156
6	N156	N140	N142	N155	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	N180	N179	N161	N156	X	Two Way	.000156
2	N155	N159	N194	N193	X	Two Way	.000156
3	N162	N169	N168	N158	X	Two Way	.000156
4	N144	N161	N162	N142B	X	Two Way	.000156
5	N206	N205A	N159	N158	X	Two Way	.000156
6	N156	N140	N142	N155	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	N153A	max	2350.877	10	674.131	7	4572.145	1	.562	7	1.997	4	1.015	4
2		min	-2373.812	4	-559.178	1	-2209.214	7	-.772	1	-1.991	10	-.957	10
3	N171	max	4448.293	9	615.568	3	1537.476	1	.921	12	2.065	12	.649	7
4		min	-2405.404	3	-465.909	9	-2691.657	7	-.791	6	-2.051	6	-.522	1
5	N185	max	2148.582	11	535.432	11	2487.441	1	.934	2	2.209	8	.557	1
6		min	-4340.691	5	-433.906	5	-3736.035	7	-.896	8	-2.239	2	-.798	7
7	N211	max	37.883	10	3211.668	13	575.005	7	0	75	0	75	0	75
8		min	-37.847	4	-427.082	7	-4213.638	13	0	1	0	1	0	1
9	N212	max	450.728	3	3176.363	21	2083.255	21	0	75	0	75	0	75

Envelope Joint Reactions (Continued)

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
10		min	-3608.361	21	-386.172	3	-260.236	3	0	1	0	0	1
11	N213A	max	3822.136	17	3361.273	17	2206.538	17	0	75	0	75	75
12		min	-343.275	11	-293.087	11	-198.161	11	0	1	0	1	1
13	Totals:	max	5570.884	10	8851.869	18	5601.751	1					
14		min	-5570.883	4	2754.708	64	-5601.764	7					

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	LV	C5X6.7	.544	6.635	8	.477	11.646	y	2	4363.033	63828	1.604	9.585	2....	H1-1a
2	M76	HSS4X4X3	.235	3.971	2	.175	0	z	4	91274.199	106812	12.662	12.662	1....	H1-1b
3	M77	L4X4X4	.394	2.891	15	.028	2.891	z	16	40740.38	62532	3.138	6.101	1....	H2-1
4	M78	PL3/8X3	.493	0	24	.032	.417	y	4	32526.243	36450	.284	2.279	2....	H1-1b
5	M79	PL3/8X3	.472	.417	15	.029	0	y	4	32526.243	36450	.284	2.279	2....	H1-1b
6	M84	PL1/2X9	.417	.625	13	.187	.625	y	8	82502.914	145800	1.519	27.338	1....	H1-1b
7	M85	HSS4X4X3	.228	3.971	21	.177	0	z	12	91274.199	106812	12.662	12.662	1....	H1-1b
8	M86	L4X4X4	.408	2.891	22	.027	2.891	z	18	40740.38	62532	3.138	6.1	1....	H2-1
9	M87	PL3/8X3	.518	0	21	.030	.417	y	12	32526.243	36450	.284	2.279	2....	H1-1b
10	M88	PL3/8X3	.477	.417	23	.030	0	y	18	32526.243	36450	.284	2.279	2....	H1-1b
11	M93	PL1/2X9	.407	.625	21	.174	.625	y	5	82502.914	145800	1.519	27.338	1....	H1-1b
12	M94	HSS4X4X3	.244	3.971	17	.191	0	z	8	91274.199	106812	12.662	12.662	1....	H1-1b
13	M95	L4X4X4	.415	2.891	18	.030	2.891	z	20	40740.38	62532	3.138	6.1	1....	H2-1
14	M96	PL3/8X3	.512	0	17	.033	.417	y	20	32526.243	36450	.284	2.279	2....	H1-1b
15	M97	PL3/8X3	.506	.417	18	.032	0	y	20	32526.243	36450	.284	2.279	2....	H1-1b
16	M102	PL1/2X9	.447	.625	17	.164	.625	y	1	82502.914	145800	1.519	27.338	1....	H1-1b
17	M103	L3X3X4	.378	7.99	7	.492	1.625	y	6	4574.724	46656	1.688	2.821	1....	H2-1
18	MP5A	PIPE 2.0	.021	5	14	.079	.938		5	20866.733	32130	1.872	1.872	1....	H1-1b
19	MP2A	PIPE 3.0	.013	2	7	.064	1.25		6	53775.839	65205	5.749	5.749	1....	H1-1b
20	OVP	PIPE 2.0	.635	4.375	4	.080	4.375		3	23808.54	32130	1.872	1.872	1....	H1-1b
21	MP1A	PIPE 2.0	.021	5	23	.076	.938		3	20866.733	32130	1.872	1.872	1....	H1-1b
22	M49	PIPE 2.5	.069	0	6	.024	.208		4	50696.99	50715	3.596	3.596	1....	H1-1b
23	LM1	PIPE 2.5	.522	0	4	.706	0		4	50696.99	50715	3.596	3.596	1....	H3-6
24	MP3A	PIPE 2.5	.616	4.813	4	.100	1.938		6	37773.818	50715	3.596	3.596	1....	H1-1b
25	MP4A	PIPE 2.0	.624	4.375	10	.088	4.375		8	23808.54	32130	1.872	1.872	1....	H1-1b
26	M57	PIPE 2.0	.598	4.375	10	.074	4.375		5	23808.54	32130	1.872	1.872	1....	H1-1b
27	MP5C	PIPE 2.0	.021	5	16	.092	.938		1	20866.733	32130	1.872	1.872	1....	H1-1b
28	MP2C	PIPE 3.0	.012	2.062	10	.058	1.25		3	53775.839	65205	5.749	5.749	1....	H1-1b
29	M68	PIPE 2.0	.703	4.375	12	.102	4.375		11	23808.54	32130	1.872	1.872	1....	H1-1b
30	MP1C	PIPE 2.0	.022	5	14	.077	.938		5	20866.733	32130	1.872	1.872	1.7	H1-1b
31	MP4C	PIPE 2.0	.552	4.375	6	.085	4.375		4	23808.54	32130	1.872	1.872	1....	H1-1b
32	M78A	PIPE 2.0	.527	4.375	6	.083	4.375		1	23808.54	32130	1.872	1.872	1....	H1-1b
33	MP5B	PIPE 2.0	.022	5	21	.085	.938		9	20866.733	32130	1.872	1.872	1....	H1-1b
34	MP2B	PIPE 3.0	.012	2.062	4	.052	1.25		10	53775.839	65205	5.749	5.749	1....	H1-1b
35	M89A	PIPE 2.0	.606	4.375	8	.069	4.375		7	23808.54	32130	1.872	1.872	1....	H1-1b
36	MP1B	PIPE 2.0	.021	5	23	.072	.938		7	20866.733	32130	1.872	1.872	1....	H1-1b
37	MP4B	PIPE 2.0	.609	4.375	2	.090	4.375		12	23808.54	32130	1.872	1.872	1....	H1-1b
38	LIGHT	PIPE 2.0	.584	4.375	2	.081	4.375		3	23808.54	32130	1.872	1.872	1....	H1-1b
39	M98B	L3X3X4	.463	11.51	12	.506	1.49	z	3	4574.724	46656	1.688	3.174	2....	H2-1
40	M99B	L3X3X4	.384	1.625	9	.466	1.49	y	4	4574.724	46656	1.688	2.778	1....	H2-1
41	M98C	C5X6.7	.557	6.635	4	.483	11.646	y	10	4363.033	63828	1.604	8.642	1....	H1-1a
42	M99C	C5X6.7	.469	6.635	12	.452	11.646	y	6	4363.033	63828	1.604	9.585	2....	H1-1a
43	M100A	PL1/2X6	.222	1.667	10	.121	0	y	2	35292.016	97200	1.012	12.15	2....	H1-1b
44	M101A	PL1/2X6	.177	1.667	6	.120	0	y	6	35292.016	97200	1.012	12.15	2....	H1-1b
45	M102A	PL1/2X6	.169	1.667	2	.122	0	y	2	35292.016	97200	1.012	12.15	2....	H1-1b
46	M106	LL3x3x3x3	.111	5	13	.002	0	y	24	47669.148	70632	5.543	3.751	1	H1-1b*
47	M107	LL3x3x3x3	.110	5	21	.002	5	y	22	47669.148	70632	5.543	3.751	1	H1-1b*
48	M108	LL3x3x3x3	.116	5	17	.002	5	y	18	47669.148	70632	5.543	3.751	1	H1-1b*
49	M103B	PIPE 2.5	.064	0	9	.017	.208		6	50696.99	50715	3.596	3.596	1....	H1-1b

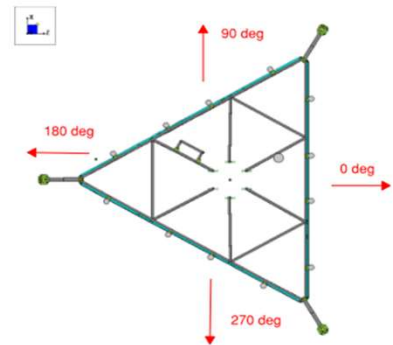
Envelope AISC 15th(360-16): LRFD Steel Code Checks (Continued)

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
50	M104B	PIPE 2.5	.345	0	6	.565	0		6	50696.99	50715	3.596	3.596	1....	H3-6
51	MP3C	PIPE 2.5	.506	4.813	6	.086	1.938		8	37773.818	50715	3.596	3.596	1....	H1-1b
52	M106A	PIPE 2.5	.054	0	4	.024	.208		8	50696.99	50715	3.596	3.596	1....	H1-1b
53	M107A	PIPE 2.5	.502	0	8	.691	0		8	50696.99	50715	3.596	3.596	1....	H3-6
54	MP3B	PIPE 2.5	.611	4.813	8	.084	1.938		4	37773.818	50715	3.596	3.596	1....	H1-1b

I. Mount-to-Tower Connection Check

Custom Orientation Required

Yes

[illegible]

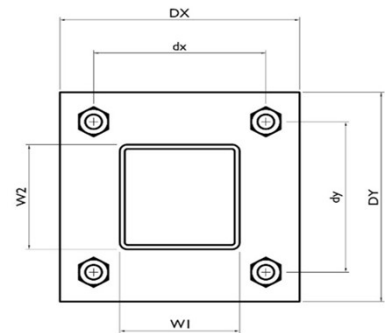
Tower Connection Bolt Checks

Yes

Bolt Orientation

Parallel

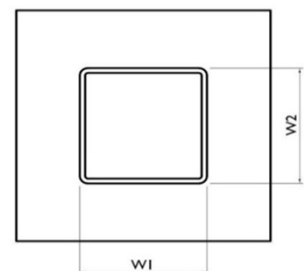
Bolt Quantity per Reaction:	4
d_x (in) (<i>Delta X of typ. bolt config. sketch</i>) :	6
d_y (in) (<i>Delta Y of typ. bolt config. sketch</i>) :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	2.9
Required Shear Strength / bolt (kips):	1.0
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	14.2%



Tower Connection Baseplate Checks

Yes

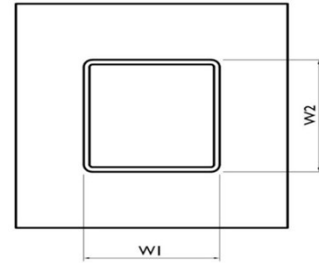
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	8
Plate Height, D_y (in):	8
W1(in):	4
W2 (in):	4
Member Thickness (in):	0.18
F_y (ksi, plate):	36
Plate Thickness (in):	0.75
Length of Yield Line, L_y (in):	5.80
Bolt Eccentricity, e (in):	1.58
M_u (kip-in):	4.66
$\Phi * M_n$ (kip-in):	26.41
Plate Bending Utilization:	17.6%



Tower Connection Weld Checks

Weld Shape:
 Weld Stiffener Configuration:
 Stiffner Notch Length, n (in):
 Weld Size (1/16 in):
 W1 (in):
 W2 (in):
 Weld Total Length (in):
 Z_x (in³/in):
 Z_y (in³/in):
 J_p (in⁴/in):
 c_x (in):
 c_y (in):
 Required combined strength (kip/in):
 Weld Capacity (kip/in):
 Weld Utilization:

Yes
Rectangle
None
0
4
4
4
16.00
21.33
21.33
85.33
2.18
2.18
1.06
5.57
19.1%





Date: **July 31, 2023**

Black & Veatch Corp.
11401 Lamar Avenue
Overland Park, KS 66211
(913) 458-7245

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 5000386192
Site Name: RIVERBANK CT

Crown Castle Designation: **BU Number:** 806953
Site Name: BRG 2044 (A) 943097
JDE Job Number: 751336
Work Order Number: 2246175
Order Number: 654638 Rev. 0

Engineering Firm Designation: **Black & Veatch Corp. Project Number:** 406642

Site Data: **69 Guinea Rd(Camp Rocky Craig), Stamford, Fairfield County, CT**
Latitude 41° 6' 6.3", Longitude -73° 35' 40"
160 Foot - Monopole Tower

Black & Veatch Corp. is pleased to submit this “**Structural Analysis Report**” to determine the structural integrity of the above-mentioned tower.

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

LC5: Proposed Equipment Configuration

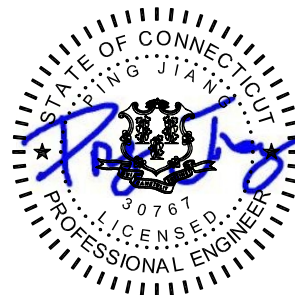
Sufficient Capacity – 69.6%

This analysis utilizes an ultimate 3-second gust wind speed of 116 mph as required by the 2022 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Chapaorn Lhappikultong

Respectfully submitted by:

Ping Jiang, P.E.
Professional Engineer



Aug 01, 2023

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1) INTRODUCTION

This tower is a 160 ft Monopole tower designed by Valmont Microflect.

The tower has been modified multiple times in the past to accommodate additional loading.

The tower has been modified per reinforcement drawings prepared by Aero Solutions LLC, in August of 2009. Reinforcement consists of addition of base plate stiffeners. This modification has not been considered due to a lack of a post modification inspection report.

The tower was later modified per reinforcement drawings prepared by Paul J. Ford & Company in October of 2012. Reinforcement consisted of addition of flat plate reinforcement from 1.75' to 16.75' and 77' to 82'. It also consists of the installation of transition stiffeners. Refer to Modification Inspection report by Tower Engineering Professionals, Inc. in August of 2013. These modifications were found to be ineffective.

The tower was later modified per reinforcement drawings prepared by Paul J. Ford & Company in April of 2014. Reinforcement consisted of addition of flat plate reinforcement from 12.25' to 32.25', 32.33' to 52.33', and 78.5' to 88.5'. Refer to Modification Inspection Report by Sinnott Gering and Schmitt Towers, Inc. in August of 2014. The 78.5' to 88.5' reinforcements were found to be effective, and all others were found to be ineffective.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	116 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Seismic Ss:	0.253
Seismic S1:	0.07
Service Wind Speed:	60 mph
Seismic Loading:	Does not control per engineering judgement

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)
139.0	142.0	6	andrew	DB846F65ZAXY w/ Mount Pipe	7	1 5/8
		6	jma wireless	MX06FRO860-03 w/ Mount Pipe		
		2	kaelus	BSF0020F3V1		
		1	raycap	RVZDC-6627-PF-48		
		6	rfs celwave	FD9R6004/2C-3L		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	samsung telecommunications	RF4439D-25A		
		3	samsung telecommunications	RF4440D-13A		
	139.0	1	cci tower mounts (v2.1)	Platform Mount [LP 713-1_KCKR]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
157.0	158.0	3	commscope	VV-65B-R1_TMO w/ Mount Pipe	3	1-5/8
		3	ericsson	AIR 6419 B41_TMO w/ Mount Pipe		
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	ericsson	Radio 4480_TMOV2		
		3	rfs celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
	157.0	1	cci tower mounts (v2.1)	Platform Mount [13' LP 713-1]		
149.0	151.0	3	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe	4 2 6 2 1	5/8 3/8 1-5/8 3/4 2" conduit
		3	ericsson	RRUS 32 B30		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 8843 B2/B66A		
		3	kmw communications	EPBQ-654L8H6-L2 w/ Mount Pipe		
		3	powerwave technologies	7770.00 w/ Mount Pipe		
	149.0	1	cci tower mounts (v2.1)	Platform Mount [13' LP 713-1]		
		3	ericsson	RRUS 11 B12		
		6	powerwave technologies	LGP21401		
		3	raycap	DC6-48-60-18-8F		
129.0	129.0	3	fujitsu	TA08025-B604	1	1-1/2
		3	fujitsu	TA08025-B605		
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		
116.0	118.0	3	ericsson	AIR 32 B2A/B66AA w/ Mount Pipe	10	1-5/8
		3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe		
		3	ericsson	KRY 112 144/1		
		3	ericsson	RADIO 4449 B12/B71		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
	116.0	1	cci tower mounts (v2.1)	Miscellaneous [NA 507-1]		
		1	cci tower mounts (v2.1)	Platform Mount [LP 712-1]		
84.0	84.0	1	cci tower mounts (v2.1)	Side Arm Mount [4' SO 702-1]	-	-
		1	gps	GPS_A		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
40.0	40.0	1	andrew	GPS-QBW-20N	-	-
		1	cci tower mounts (v2.1)	Pipe Mount [PM 601-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	5749621	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	1104113	CCISITES
4-TOWER MANUFACTURER DRAWINGS	823122	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	1251715	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3332716	CCISITES
4-POST-MODIFICATION INSPECTION	4015064	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	4837035	CCISITES
4-POST-MODIFICATION INSPECTION	5577141	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) 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. Black & Veatch Corp. should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary) (Monopole Tower)

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP20.801x19.6x0.25	Pole	2.7%	Pass
155 - 150	Pole	TP22.002x20.801x0.25	Pole	6.6%	Pass
150 - 145	Pole	TP23.203x22.002x0.25	Pole	14.0%	Pass
145 - 140	Pole	TP24.404x23.203x0.25	Pole	20.1%	Pass
140 - 135	Pole	TP25.605x24.404x0.25	Pole	30.6%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
135 - 130	Pole	TP26.806x25.605x0.25	Pole	38.8%	Pass
130 - 125	Pole	TP28.007x26.806x0.25	Pole	47.6%	Pass
125 - 120	Pole	TP29.208x28.007x0.25	Pole	55.4%	Pass
120 - 116	Pole	TP31.29x29.208x0.25	Pole	61.2%	Pass
116 - 111	Pole	TP30.867x29.669x0.3438	Pole	46.2%	Pass
111 - 106	Pole	TP32.065x30.867x0.3438	Pole	50.7%	Pass
106 - 101	Pole	TP33.263x32.065x0.3438	Pole	54.7%	Pass
101 - 96	Pole	TP34.461x33.263x0.3438	Pole	58.3%	Pass
96 - 91	Pole	TP35.659x34.461x0.3438	Pole	61.6%	Pass
91 - 86	Pole	TP36.857x35.659x0.3438	Pole	64.6%	Pass
86 - 85.75	Pole + Reinf.	TP36.917x36.857x0.5125	Reinf. 5 Tension Rupture	61.6%	Pass
85.75 - 81	Pole + Reinf.	TP38.055x36.917x0.5063	Reinf. 5 Tension Rupture	63.9%	Pass
81 - 80.75	Pole	TP38.115x38.055x0.3438	Pole	67.6%	Pass
80.75 - 80.5	Pole	TP38.175x38.115x0.3438	Pole	67.7%	Pass
80.5 - 79	Pole	TP39.912x38.175x0.3438	Pole	68.5%	Pass
79 - 72.25	Pole	TP39.467x37.847x0.4063	Pole	58.7%	Pass
72.25 - 67.25	Pole	TP40.667x39.467x0.4063	Pole	60.4%	Pass
67.25 - 62.25	Pole	TP41.867x40.667x0.4063	Pole	62.0%	Pass
62.25 - 57.25	Pole	TP43.067x41.867x0.4063	Pole	63.4%	Pass
57.25 - 52.25	Pole	TP44.268x43.067x0.4063	Pole	64.8%	Pass
52.25 - 49.83	Pole	TP44.848x44.268x0.4063	Pole	65.4%	Pass
49.83 - 49.58	Pole	TP44.908x44.848x0.4063	Pole	65.5%	Pass
49.58 - 44.58	Pole	TP46.109x44.908x0.4063	Pole	66.8%	Pass
44.58 - 43	Pole	TP48.088x46.109x0.4063	Pole	67.2%	Pass
43 - 35.33	Pole	TP47.516x45.675x0.4375	Pole	63.8%	Pass
35.33 - 32.25	Pole	TP48.256x47.516x0.4375	Pole	64.4%	Pass
32.25 - 32	Pole	TP48.317x48.256x0.4375	Pole	64.4%	Pass
32 - 27	Pole	TP49.517x48.317x0.4375	Pole	65.3%	Pass
27 - 22	Pole	TP50.718x49.517x0.4375	Pole	66.1%	Pass
22 - 17	Pole	TP51.918x50.718x0.4375	Pole	67.0%	Pass
17 - 15.5	Pole	TP52.278x51.918x0.4375	Pole	67.2%	Pass
15.5 - 15.25	Pole	TP52.338x52.278x0.4375	Pole	67.2%	Pass
15.25 - 14.75	Pole	TP52.458x52.338x0.4375	Pole	67.3%	Pass
14.75 - 14.5	Pole	TP52.518x52.458x0.4375	Pole	67.4%	Pass
14.5 - 9.5	Pole	TP53.719x52.518x0.4375	Pole	68.1%	Pass
9.5 - 4.5	Pole	TP54.92x53.719x0.4375	Pole	68.9%	Pass
4.5 - 0	Pole	TP56x54.92x0.4375	Pole	69.6%	Pass
				Summary	
			Pole	69.6%	Pass
			Reinforcement	63.9%	Pass
			Overall	69.6%	Pass

Table 5 - Tower Component Stresses vs. Capacity (Monopole Tower) – LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	56.7	Pass
	Base Plate		41.2	Pass
1	Base Foundation (Structure)	0	22.4	Pass
	Base Foundation (Soil Interaction)		64.4	Pass
Structure Rating (max from all components) =				69.6%

Notes:

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

4.1) Recommendations

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

APPENDIX A

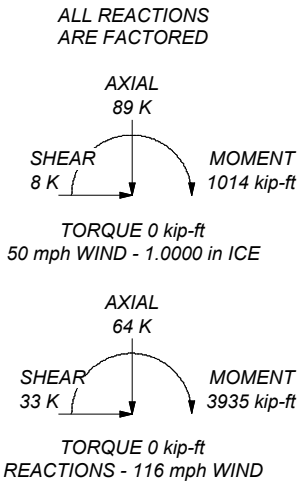
TNXTOWER OUTPUT

MATERIAL STRENGTH

Fu	GRADE	
ksi		

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 116 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 69.6%



	BLACK & VEATCH	Black & Veatch Corp. 11401 Lamar Avenue Overland Park, KS 66211 Phone: (913) 458-7245 FAX:	Job: BRG 2044 (A) 943097 (BU #806953) Project: 406642 (806953.2246175) Client: Crown Castle Drawn by: Chapaorn Lhappikultong App'd: Code: TIA-222-H Date: 07/31/23 Scale: NTS Path: _____ Dwg No. E-1

Tower Input Data

The tower is a monopole.

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

The following design criteria apply:

- Tower is located in Fairfield County, Connecticut.
- Tower base elevation above sea level: 245.00 ft.
- Basic wind speed of 116 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.
Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Exemption
Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Use TIA-222-H Tension Splice
Secondary Horizontal Braces Leg	Sort Capacity Reports By Component	Exemption
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	

Poles

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	160.00-155.00	5.00	0.00	12	19.6000	20.8010	0.2500	1.0000	A572-65 (65 ksi)
L2	155.00-150.00	5.00	0.00	12	20.8010	22.0021	0.2500	1.0000	A572-65 (65 ksi)
L3	150.00-145.00	5.00	0.00	12	22.0021	23.2031	0.2500	1.0000	A572-65 (65 ksi)
L4	145.00-140.00	5.00	0.00	12	23.2031	24.4041	0.2500	1.0000	A572-65 (65 ksi)
L5	140.00-135.00	5.00	0.00	12	24.4041	25.6051	0.2500	1.0000	A572-65 (65 ksi)
L6	135.00-130.00	5.00	0.00	12	25.6051	26.8062	0.2500	1.0000	A572-65 (65 ksi)
L7	130.00-125.00	5.00	0.00	12	26.8062	28.0072	0.2500	1.0000	A572-65 (65 ksi)
L8	125.00-120.00	5.00	0.00	12	28.0072	29.2082	0.2500	1.0000	A572-65 (65 ksi)
L9	120.00-111.33	8.67	4.67	12	29.2082	31.2900	0.2500	1.0000	A572-65 (65 ksi)
L10	111.33-111.00	5.00	0.00	12	29.6690	30.8670	0.3438	1.3750	A572-65 (65 ksi)
L11	111.00-106.00	5.00	0.00	12	30.8670	32.0650	0.3438	1.3750	A572-65 (65 ksi)
L12	106.00-101.00	5.00	0.00	12	32.0650	33.2631	0.3438	1.3750	A572-65 (65 ksi)
L13	101.00-96.00	5.00	0.00	12	33.2631	34.4611	0.3438	1.3750	A572-65 (65 ksi)
L14	96.00-91.00	5.00	0.00	12	34.4611	35.6591	0.3438	1.3750	A572-65 (65 ksi)
L15	91.00-86.00	5.00	0.00	12	35.6591	36.8571	0.3438	1.3750	A572-65 (65 ksi)
L16	86.00-85.75	0.25	0.00	12	36.8571	36.9170	0.5125	2.0500	A572-65 (65 ksi)
L17	85.75-81.00	4.75	0.00	12	36.9170	38.0551	0.5062	2.0250	A572-65 (65 ksi)
L18	81.00-80.75	0.25	0.00	12	38.0551	38.1150	0.3438	1.3750	A572-65 (65 ksi)
L19	80.75-80.50	0.25	0.00	12	38.1150	38.1749	0.3438	1.3750	A572-65 (65 ksi)
L20	80.50-73.25	7.25	5.75	12	38.1749	39.9120	0.3438	1.3750	A572-65 (65 ksi)
L21	73.25-72.25	6.75	0.00	12	37.8468	39.4670	0.4063	1.6250	A572-65 (65 ksi)
L22	72.25-67.25	5.00	0.00	12	39.4670	40.6671	0.4063	1.6250	A572-65 (65 ksi)
L23	67.25-62.25	5.00	0.00	12	40.6671	41.8673	0.4063	1.6250	A572-65 (65 ksi)
L24	62.25-57.25	5.00	0.00	12	41.8673	43.0674	0.4063	1.6250	A572-65 (65 ksi)
L25	57.25-52.25	5.00	0.00	12	43.0674	44.2675	0.4063	1.6250	A572-65 (65 ksi)
L26	52.25-49.83	2.42	0.00	12	44.2675	44.8484	0.4063	1.6250	A572-65 (65 ksi)
L27	49.83-49.58	0.25	0.00	12	44.8484	44.9084	0.4063	1.6250	A572-65 (65 ksi)
L28	49.58-44.58	5.00	0.00	12	44.9084	46.1086	0.4063	1.6250	A572-65 (65 ksi)
L29	44.58-36.33	8.25	6.67	12	46.1086	48.0880	0.4063	1.6250	A572-65 (65 ksi)
L30	36.33-35.33	7.67	0.00	12	45.6753	47.5161	0.4375	1.7500	A572-65 (65 ksi)
L31	35.33-32.25	3.08	0.00	12	47.5161	48.2565	0.4375	1.7500	A572-65 (65 ksi)
L32	32.25-32.00	0.25	0.00	12	48.2565	48.3165	0.4375	1.7500	A572-65 (65 ksi)
L33	32.00-27.00	5.00	0.00	12	48.3165	49.5171	0.4375	1.7500	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
L34	27.00-22.00	5.00	0.00	12	49.5171	50.7176	0.4375	1.7500	A572-65 (65 ksi)
L35	22.00-17.00	5.00	0.00	12	50.7176	51.9181	0.4375	1.7500	A572-65 (65 ksi)
L36	17.00-15.50	1.50	0.00	12	51.9181	52.2783	0.4375	1.7500	A572-65 (65 ksi)
L37	15.50-15.25	0.25	0.00	12	52.2783	52.3383	0.4375	1.7500	A572-65 (65 ksi)
L38	15.25-14.75	0.50	0.00	12	52.3383	52.4584	0.4375	1.7500	A572-65 (65 ksi)
L39	14.75-14.50	0.25	0.00	12	52.4584	52.5184	0.4375	1.7500	A572-65 (65 ksi)
L40	14.50-9.50	5.00	0.00	12	52.5184	53.7190	0.4375	1.7500	A572-65 (65 ksi)
L41	9.50-4.50	5.00	0.00	12	53.7190	54.9195	0.4375	1.7500	A572-65 (65 ksi)
L42	4.50-0.00	4.50		12	54.9195	56.0000	0.4375	1.7500	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	20.2032	15.5768	744.4315	6.9273	10.1528	73.3228	1508.4200	7.6664	4.5828	18.331
	21.4466	16.5436	891.8306	7.3573	10.7749	82.7690	1807.0907	8.1422	4.9047	19.619
L2	21.4466	16.5436	891.8306	7.3573	10.7749	82.7690	1807.0907	8.1422	4.9047	19.619
	22.6900	17.5104	1057.5054	7.7872	11.3971	92.7875	2142.7927	8.6181	5.2266	20.906
L3	22.6900	17.5104	1057.5054	7.7872	11.3971	92.7875	2142.7927	8.6181	5.2266	20.906
	23.9334	18.4772	1242.5238	8.2172	12.0192	103.3783	2517.6901	9.0939	5.5484	22.194
L4	23.9334	18.4772	1242.5238	8.2172	12.0192	103.3783	2517.6901	9.0939	5.5484	22.194
	25.1768	19.4441	1447.9540	8.6472	12.6413	114.5413	2933.9473	9.5698	5.8703	23.481
L5	25.1768	19.4441	1447.9540	8.6472	12.6413	114.5413	2933.9473	9.5698	5.8703	23.481
	26.4202	20.4109	1674.8638	9.0771	13.2635	126.2766	3393.7282	10.0456	6.1922	24.769
L6	26.4202	20.4109	1674.8638	9.0771	13.2635	126.2766	3393.7282	10.0456	6.1922	24.769
	27.6636	21.3777	1924.3215	9.5071	13.8856	138.5841	3899.1971	10.5215	6.5141	26.056
L7	27.6636	21.3777	1924.3215	9.5071	13.8856	138.5841	3899.1971	10.5215	6.5141	26.056
	28.9070	22.3445	2197.3950	9.9371	14.5077	151.4638	4452.5181	10.9973	6.8359	27.344
L8	28.9070	22.3445	2197.3950	9.9371	14.5077	151.4638	4452.5181	10.9973	6.8359	27.344
	30.1504	23.3114	2495.1525	10.3670	15.1299	164.9158	5055.8554	11.4731	7.1578	28.631
L9	30.1504	23.3114	2495.1525	10.3670	15.1299	164.9158	5055.8554	11.4731	7.1578	28.631
	32.3056	24.9872	3072.8897	11.1123	16.2082	189.5883	6226.5076	12.2979	7.7157	30.863
L10	31.7520	32.4594	3562.9621	10.4985	15.3686	231.8345	7219.5272	15.9755	7.0301	20.451
	31.8347	33.7855	4017.7104	10.9273	15.9891	251.2776	8140.9705	16.6282	7.3511	21.385
L11	31.8347	33.7855	4017.7104	10.9273	15.9891	251.2776	8140.9705	16.6282	7.3511	21.385
	33.0749	35.1115	4509.5939	11.3562	16.6097	271.5037	9137.6598	17.2808	7.6722	22.319
L12	33.0749	35.1115	4509.5939	11.3562	16.6097	271.5037	9137.6598	17.2808	7.6722	22.319
	34.3152	36.4376	5040.0702	11.7851	17.2303	292.5127	10212.5486	17.9335	7.9932	23.253
L13	34.3152	36.4376	5040.0702	11.7851	17.2303	292.5127	10212.5486	17.9335	7.9932	23.253
	35.5555	37.7636	5610.5968	12.2140	17.8508	314.3045	11368.5902	18.5861	8.3143	24.187
L14	35.5555	37.7636	5610.5968	12.2140	17.8508	314.3045	11368.5902	18.5861	8.3143	24.187
	36.7957	39.0896	6222.6312	12.6429	18.4714	336.8792	12608.7378	19.2387	8.6354	25.121
L15	36.7957	39.0896	6222.6312	12.6429	18.4714	336.8792	12608.7378	19.2387	8.6354	25.121
	38.0360	40.4157	6877.6309	13.0718	19.0920	360.2369	13935.9448	19.8914	8.9564	26.055
L16	37.9765	59.9776	10112.4099	13.0114	19.0920	529.6683	20490.4841	29.5192	8.5042	16.594
	38.0385	60.0765	10162.4919	13.0328	19.1230	531.4278	20591.9637	29.5678	8.5203	16.625
L17	38.0407	59.3540	10043.7309	13.0350	19.1230	525.2174	20351.3207	29.2123	8.5370	16.863

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
			3				5			
	39.2189	61.2093	11015.300	13.4425	19.7125	558.7968	22319.985	30.1254	8.8420	17.466
L18	39.2763	41.7417	7577.0535	13.5007	19.7125	384.3774	15353.164	20.5440	9.2775	26.989
	39.3383	41.8080	7613.2169	13.5221	19.7436	385.6050	15426.441	20.5766	9.2936	27.036
L19	39.3383	41.8080	7613.2169	13.5221	19.7436	385.6050	15426.441	20.5766	9.2936	27.036
	39.4003	41.8743	7649.4951	13.5435	19.7746	386.8345	15499.951	20.6093	9.3096	27.083
L20	39.4003	41.8743	7649.4951	13.5435	19.7746	386.8345	15499.951	20.6093	9.3096	27.083
	41.1987	43.7971	8752.3577	14.1654	20.6744	423.3424	17734.649	21.5556	9.7752	28.437
L21	40.4674	48.9769	8763.1762	13.4037	19.6046	446.9951	17756.570	24.1049	9.0542	22.287
	40.7159	51.0963	9950.7611	13.9837	20.4439	486.7351	20162.939	25.1481	9.4884	23.356
L22	40.7159	51.0963	9950.7611	13.9837	20.4439	486.7351	20162.939	25.1481	9.4884	23.356
	41.9584	52.6663	10896.442	14.4134	21.0656	517.2631	22079.146	25.9207	9.8100	24.148
L23	41.9584	52.6663	10896.442	14.4134	21.0656	517.2631	22079.146	25.9207	9.8100	24.148
	43.2009	54.2362	11900.217	14.8430	21.6872	548.7197	24113.067	26.6934	10.1317	24.94
L24	43.2009	54.2362	11900.217	14.8430	21.6872	548.7197	24113.067	26.6934	10.1317	24.94
	44.4433	55.8061	12963.819	15.2727	22.3089	581.1049	26268.212	27.4661	10.4533	25.731
L25	44.4433	55.8061	12963.819	15.2727	22.3089	581.1049	26268.212	27.4661	10.4533	25.731
	45.6858	57.3761	14088.978	15.7023	22.9306	614.4186	28548.090	28.2387	10.7750	26.523
L26	45.6858	57.3761	14088.978	15.7023	22.9306	614.4186	28548.090	28.2387	10.7750	26.523
	46.2872	58.1359	14656.178	15.9103	23.2315	630.8758	29697.390	28.6127	10.9306	26.906
L27	46.2872	58.1359	14656.178	15.9103	23.2315	630.8758	29697.390	28.6127	10.9306	26.906
	46.3493	58.2144	14715.625	15.9318	23.2626	632.5884	29817.847	28.6514	10.9467	26.946
L28	46.3493	58.2144	14715.625	15.9318	23.2626	632.5884	29817.847	28.6514	10.9467	26.946
	47.5918	59.7843	15938.580	16.3614	23.8842	667.3264	32295.885	29.4240	11.2683	27.737
L29	47.5918	59.7843	15938.580	16.3614	23.8842	667.3264	32295.885	29.4240	11.2683	27.737
	49.6411	62.3737	18100.549	17.0701	24.9096	726.6500	36676.620	30.6984	11.7988	29.043
L30	48.7894	63.7288	16646.557	16.1951	23.6598	703.5796	33730.438	31.3654	11.0685	25.299
	49.0380	66.3220	18762.550	16.8542	24.6134	762.2911	38018.013	32.6417	11.5618	26.427
L31	49.0380	66.3220	18762.550	16.8542	24.6134	762.2911	38018.013	32.6417	11.5618	26.427
	49.8044	67.3650	19661.686	17.1192	24.9969	786.5664	39839.906	33.1550	11.7602	26.881
L32	49.8044	67.3650	19661.686	17.1192	24.9969	786.5664	39839.906	33.1550	11.7602	26.881
	49.8666	67.4495	19735.823	17.1407	25.0279	788.5513	39990.128	33.1966	11.7763	26.917
L33	49.8666	67.4495	19735.823	17.1407	25.0279	788.5513	39990.128	33.1966	11.7763	26.917
	51.1095	69.1408	21257.962	17.5705	25.6498	828.7759	43074.395	34.0290	12.0981	27.653
L34	51.1095	69.1408	21257.962	17.5705	25.6498	828.7759	43074.395	34.0290	12.0981	27.653
	52.3524	70.8321	22856.420	18.0003	26.2717	870.0011	46313.304	34.8614	12.4198	28.388

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
L35	52.3524	70.8321	22856.420 ₄	18.0003	26.2717	870.0011	46313.304 ₃	34.8614	12.4198	28.388
	53.5953	72.5234	24533.063 ₄	18.4301	26.8936	912.2269	49710.637 ₃	35.6938	12.7416	29.124
L36	53.5953	72.5234	24533.063 ₄	18.4301	26.8936	912.2269	49710.637 ₈	35.6938	12.7416	29.124
	53.9682	73.0307	25051.581 ₄	18.5590	27.0802	925.0898	50761.296 ₈	35.9435	12.8381	29.344
L37	53.9682	73.0307	25051.581 ₆	18.5590	27.0802	925.0898	50761.296 ₁	35.9435	12.8381	29.344
	54.0303	73.1153	25138.705 ₆	18.5805	27.1113	927.2423	50937.832 ₁	35.9851	12.8542	29.381
L38	54.0303	73.1153	25138.705 ₃	18.5805	27.1113	927.2423	50937.832 ₃	35.9851	12.8542	29.381
	54.1546	73.2844	25313.558 ₃	18.6235	27.1734	931.5550	51292.131 ₃	36.0684	12.8863	29.455
L39	54.1546	73.2844	25313.558 ₂	18.6235	27.1734	931.5550	51292.131 ₇	36.0684	12.8863	29.455
	54.2167	73.3690	25401.287 ₂	18.6450	27.2045	933.7150	51469.895 ₇	36.1100	12.9024	29.491
L40	54.2167	73.3690	25401.287 ₈	18.6450	27.2045	933.7150	51469.895 ₈	36.1100	12.9024	29.491
	55.4596	75.0603	27198.709 ₁	19.0748	27.8264	977.4418	55111.958 ₇	36.9424	13.2242	30.227
L41	55.4596	75.0603	27198.709 ₁	19.0748	27.8264	977.4418	55111.958 ₇	36.9424	13.2242	30.227
	56.7025	76.7515	29078.982 ₈	19.5046	28.4483	1022.1692	58921.902 ₈	37.7748	13.5459	30.962
L42	56.7025	76.7515	29078.982 ₈	19.5046	28.4483	1022.1692	58921.902 ₈	37.7748	13.5459	30.962
	57.8211	78.2737	30843.610 ₈	19.8914	29.0080	1063.2795	62497.517 ₆	38.5239	13.8355	31.624

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A _r	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft ²	in					in	in	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- 120.00				1	1	1			
L9 120.00- 111.33				1	1	1			
L10 111.33- 111.00				1	1	1			
L11 111.00- 106.00				1	1	1			
L12 106.00- 101.00				1	1	1			
L13 101.00- 96.00				1	1	1			
L14 96.00- 91.00				1	1	1			
L15 91.00- 86.00				1	1	1			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
L16 86.00- 85.75				1	1	0.973888			
L17 85.75- 81.00				1	1	0.976445			
L18 81.00- 80.75				1	1	1			
L19 80.75- 80.50				1	1	1			
L20 80.50- 73.25				1	1	1			
L21 73.25- 72.25				1	1	1			
L22 72.25- 67.25				1	1	1			
L23 67.25- 62.25				1	1	1			
L24 62.25- 57.25				1	1	1			
L25 57.25- 52.25				1	1	1			
L26 52.25- 49.83				1	1	1			
L27 49.83- 49.58				1	1	1			
L28 49.58- 44.58				1	1	1			
L29 44.58- 36.33				1	1	1			
L30 36.33- 35.33				1	1	1			
L31 35.33- 32.25				1	1	1			
L32 32.25- 32.00				1	1	1			
L33 32.00- 27.00				1	1	1			
L34 27.00- 22.00				1	1	1			
L35 22.00- 17.00				1	1	1			
L36 17.00- 15.50				1	1	1			
L37 15.50- 15.25				1	1	1			
L38 15.25- 14.75				1	1	1			
L39 14.75- 14.50				1	1	1			
L40 14.50- 9.50				1	1	1			
L41 9.50-4.50				1	1	1			
L42 4.50-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
Safety Line 3/8	C	No	Surface Ar (CaAa)	160.00 - 10.00	1	1	-0.390 -0.380	0.3750		0.22

MK SR 1	A	No	Surface Af	16.75 -	1	1	0.000	4.0000	9.5000	10.21

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
MK SR 1	B	No	(CaAa) Surface Af	16.75 - 1.75	1	1	0.000	4.0000	9.5000	10.21
MK SR 1	C	No	(CaAa) Surface Af	16.75 - 1.75	1	1	0.000	4.0000	9.5000	10.21
MK SR 2	A	No	(CaAa) Surface Af	82.00 - 77.00	1	1	0.000	4.0000	9.5000	10.21
MK SR 2	B	No	(CaAa) Surface Af	82.00 - 77.00	1	1	0.000	4.0000	9.5000	10.21
MK SR 2	C	No	(CaAa) Surface Af	82.00 - 77.00	1	1	0.000	4.0000	9.5000	10.21
CCI-AFP-060100	A	No	(CaAa) Surface Af	32.25 - 12.25	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	B	No	(CaAa) Surface Af	32.25 - 12.25	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	C	No	(CaAa) Surface Af	32.25 - 12.25	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	A	No	(CaAa) Surface Af	52.33 - 32.33	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	B	No	(CaAa) Surface Af	52.33 - 32.33	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	C	No	(CaAa) Surface Af	52.33 - 32.33	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	A	No	(CaAa) Surface Af	88.50 - 78.50	1	1	0.000	6.0000	14.0000	0.00
CCI-AFP-060100	B	No	(CaAa) Surface Af	88.50 - 78.50	1	1	0.000	6.0000	14.0000	0.00
CCI-AFP-060100	C	No	(CaAa) Surface Af	88.50 - 78.50	1	1	0.000	6.0000	14.0000	0.00

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight plf
157									
HB158-21U6S24-xxM_TMO(1-5/8)	C	No	No	Inside Pole	157.00 - 0.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	2.50 2.50 2.50
149									
FB-L98B-002-75000(3/8)	C	No	No	Inside Pole	149.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.06 0.06 0.06
WR-VG82ST-BRDA(5/8)	C	No	No	Inside Pole	149.00 - 0.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.31 0.31 0.31
FB-L98B-002-75000(3/8)	C	No	No	Inside Pole	149.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.06 0.06 0.06
WR-VG82ST-BRDA(5/8)	C	No	No	Inside Pole	149.00 - 0.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.31 0.31 0.31
2" innerduct conduit	C	No	No	Inside Pole	149.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.20 0.20 0.20
LCF158-50JA-A0(1-5/8)	C	No	No	Inside Pole	149.00 - 0.00	6	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.80 0.80 0.80
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	149.00 - 0.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.58 0.58 0.58
139									

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight plf
561(1-5/8)	C	No	No	Inside Pole	139.00 - 0.00	6	No Ice	0.00	1.35
							1/2" Ice	0.00	1.35
							1" Ice	0.00	1.35
HB158-U12S24- XXX-LI(1-5/8)	C	No	No	Inside Pole	139.00 - 0.00	1	No Ice	0.00	3.20
							1/2" Ice	0.00	3.20
							1" Ice	0.00	3.20
129 CU12PSM9P6XXX (1-1/2)	C	No	No	Inside Pole	129.00 - 0.00	1	No Ice	0.00	2.35
							1/2" Ice	0.00	2.35
							1" Ice	0.00	2.35
116 LDF7-50A(1-5/8)	C	No	No	Inside Pole	116.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
MLE Hybrid 9Power/18Fiber RL 2(1-5/8)	C	No	No	Inside Pole	116.00 - 0.00	1	No Ice	0.00	1.07
							1/2" Ice	0.00	1.07
							1" Ice	0.00	1.07
HCS 6X12 4AWG(1-5/8)	C	No	No	Inside Pole	116.00 - 0.00	3	No Ice	0.00	2.40
							1/2" Ice	0.00	2.40
							1" Ice	0.00	2.40
**** *****									

Feed Line/Linear Appurtenances Section Areas

Tower Section n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	160.00-155.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.02
L2	155.00-150.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.04
L3	150.00-145.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.07
L4	145.00-140.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.08
L5	140.00-135.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.12
L6	135.00-130.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.13
L7	130.00-125.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.14
L8	125.00-120.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.14
L9	120.00-111.33	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.325	0.000	0.31
L10	111.33-111.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.012	0.000	0.01
L11	111.00-106.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L12	106.00-101.00	A	0.000	0.000	0.000	0.000	0.00

Tower Sectio n	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L13	101.00-96.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L14	96.00-91.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L15	91.00-86.00	A	0.000	0.000	2.280	0.000	0.00
		B	0.000	0.000	2.280	0.000	0.00
		C	0.000	0.000	2.468	0.000	0.21
L16	86.00-85.75	A	0.000	0.000	0.228	0.000	0.00
		B	0.000	0.000	0.228	0.000	0.00
		C	0.000	0.000	0.237	0.000	0.01
L17	85.75-81.00	A	0.000	0.000	4.885	0.000	0.01
		B	0.000	0.000	4.885	0.000	0.01
		C	0.000	0.000	5.063	0.000	0.21
L18	81.00-80.75	A	0.000	0.000	0.366	0.000	0.00
		B	0.000	0.000	0.366	0.000	0.00
		C	0.000	0.000	0.376	0.000	0.01
L19	80.75-80.50	A	0.000	0.000	0.366	0.000	0.00
		B	0.000	0.000	0.366	0.000	0.00
		C	0.000	0.000	0.376	0.000	0.01
L20	80.50-73.25	A	0.000	0.000	3.759	0.000	0.04
		B	0.000	0.000	3.759	0.000	0.04
		C	0.000	0.000	4.031	0.000	0.34
L21	73.25-72.25	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.037	0.000	0.04
L22	72.25-67.25	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L23	67.25-62.25	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L24	62.25-57.25	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L25	57.25-52.25	A	0.000	0.000	0.080	0.000	0.00
		B	0.000	0.000	0.080	0.000	0.00
		C	0.000	0.000	0.268	0.000	0.21
L26	52.25-49.83	A	0.000	0.000	2.420	0.000	0.05
		B	0.000	0.000	2.420	0.000	0.05
		C	0.000	0.000	2.511	0.000	0.15
L27	49.83-49.58	A	0.000	0.000	0.250	0.000	0.01
		B	0.000	0.000	0.250	0.000	0.01
		C	0.000	0.000	0.259	0.000	0.02
L28	49.58-44.58	A	0.000	0.000	5.000	0.000	0.10
		B	0.000	0.000	5.000	0.000	0.10
		C	0.000	0.000	5.188	0.000	0.31
L29	44.58-36.33	A	0.000	0.000	8.247	0.000	0.17
		B	0.000	0.000	8.247	0.000	0.17
		C	0.000	0.000	8.556	0.000	0.52
L30	36.33-35.33	A	0.000	0.000	1.000	0.000	0.02
		B	0.000	0.000	1.000	0.000	0.02
		C	0.000	0.000	1.038	0.000	0.06
L31	35.33-32.25	A	0.000	0.000	3.003	0.000	0.06
		B	0.000	0.000	3.003	0.000	0.06
		C	0.000	0.000	3.119	0.000	0.19
L32	32.25-32.00	A	0.000	0.000	0.250	0.000	0.01
		B	0.000	0.000	0.250	0.000	0.01
		C	0.000	0.000	0.259	0.000	0.02
L33	32.00-27.00	A	0.000	0.000	5.000	0.000	0.10
		B	0.000	0.000	5.000	0.000	0.10
		C	0.000	0.000	5.188	0.000	0.31
L34	27.00-22.00	A	0.000	0.000	5.000	0.000	0.10
		B	0.000	0.000	5.000	0.000	0.10
		C	0.000	0.000	5.188	0.000	0.31
L35	22.00-17.00	A	0.000	0.000	5.000	0.000	0.10

Tower Sectio n	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L36	17.00-15.50	B	0.000	0.000	5.000	0.000	0.10
		C	0.000	0.000	5.188	0.000	0.31
		A	0.000	0.000	2.333	0.000	0.04
L37	15.50-15.25	B	0.000	0.000	2.333	0.000	0.04
		C	0.000	0.000	2.390	0.000	0.11
		A	0.000	0.000	0.417	0.000	0.01
L38	15.25-14.75	B	0.000	0.000	0.417	0.000	0.01
		C	0.000	0.000	0.426	0.000	0.02
		A	0.000	0.000	0.833	0.000	0.02
L39	14.75-14.50	B	0.000	0.000	0.833	0.000	0.02
		C	0.000	0.000	0.852	0.000	0.04
		A	0.000	0.000	0.417	0.000	0.01
L40	14.50-9.50	B	0.000	0.000	0.417	0.000	0.01
		C	0.000	0.000	0.426	0.000	0.02
		A	0.000	0.000	5.583	0.000	0.10
L41	9.50-4.50	B	0.000	0.000	5.583	0.000	0.10
		C	0.000	0.000	5.752	0.000	0.31
		A	0.000	0.000	3.333	0.000	0.05
L42	4.50-0.00	B	0.000	0.000	3.333	0.000	0.05
		C	0.000	0.000	3.333	0.000	0.26
		A	0.000	0.000	1.833	0.000	0.03
		B	0.000	0.000	1.833	0.000	0.03
		C	0.000	0.000	1.833	0.000	0.22

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Sectio n	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L1	160.00-155.00	A	0.994	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.181	0.000	0.02
L2	155.00-150.00	A	0.991	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.178	0.000	0.05
L3	150.00-145.00	A	0.987	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.175	0.000	0.08
L4	145.00-140.00	A	0.984	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.171	0.000	0.08
L5	140.00-135.00	A	0.980	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.168	0.000	0.13
L6	135.00-130.00	A	0.977	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.164	0.000	0.14
L7	130.00-125.00	A	0.973	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.160	0.000	0.15
L8	125.00-120.00	A	0.969	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.157	0.000	0.15
L9	120.00-111.33	A	0.964	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.995	0.000	0.33
L10	111.33-111.00	A	0.960	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.077	0.000	0.01
L11	111.00-106.00	A	0.957	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.145	0.000	0.22
L12	106.00-101.00	A	0.953	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.140	0.000	0.22
L13	101.00-96.00	A	0.948	0.000	0.000	0.000	0.000	0.00

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.136	0.000	0.22
L14	96.00-91.00	A	0.943	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.131	0.000	0.22
L15	91.00-86.00	A	0.938	0.000	0.000	2.532	0.000	0.02
		B		0.000	0.000	2.532	0.000	0.02
		C		0.000	0.000	3.658	0.000	0.23
L16	86.00-85.75	A	0.935	0.000	0.000	0.253	0.000	0.00
		B		0.000	0.000	0.253	0.000	0.00
		C		0.000	0.000	0.309	0.000	0.01
L17	85.75-81.00	A	0.933	0.000	0.000	5.461	0.000	0.05
		B		0.000	0.000	5.461	0.000	0.05
		C		0.000	0.000	6.525	0.000	0.25
L18	81.00-80.75	A	0.930	0.000	0.000	0.416	0.000	0.01
		B		0.000	0.000	0.416	0.000	0.01
		C		0.000	0.000	0.472	0.000	0.02
L19	80.75-80.50	A	0.929	0.000	0.000	0.416	0.000	0.01
		B		0.000	0.000	0.416	0.000	0.01
		C		0.000	0.000	0.472	0.000	0.02
L20	80.50-73.25	A	0.925	0.000	0.000	4.306	0.000	0.06
		B		0.000	0.000	4.306	0.000	0.06
		C		0.000	0.000	5.919	0.000	0.38
L21	73.25-72.25	A	0.920	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.222	0.000	0.04
L22	72.25-67.25	A	0.916	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.104	0.000	0.22
L23	67.25-62.25	A	0.909	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.097	0.000	0.22
L24	62.25-57.25	A	0.902	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.089	0.000	0.22
L25	57.25-52.25	A	0.894	0.000	0.000	0.094	0.000	0.00
		B		0.000	0.000	0.094	0.000	0.00
		C		0.000	0.000	1.176	0.000	0.22
L26	52.25-49.83	A	0.888	0.000	0.000	2.850	0.000	0.06
		B		0.000	0.000	2.850	0.000	0.06
		C		0.000	0.000	3.370	0.000	0.17
L27	49.83-49.58	A	0.886	0.000	0.000	0.294	0.000	0.01
		B		0.000	0.000	0.294	0.000	0.01
		C		0.000	0.000	0.348	0.000	0.02
L28	49.58-44.58	A	0.881	0.000	0.000	5.881	0.000	0.13
		B		0.000	0.000	5.881	0.000	0.13
		C		0.000	0.000	6.949	0.000	0.35
L29	44.58-36.33	A	0.867	0.000	0.000	9.677	0.000	0.22
		B		0.000	0.000	9.677	0.000	0.22
		C		0.000	0.000	11.417	0.000	0.57
L30	36.33-35.33	A	0.857	0.000	0.000	1.173	0.000	0.03
		B		0.000	0.000	1.173	0.000	0.03
		C		0.000	0.000	1.384	0.000	0.07
L31	35.33-32.25	A	0.852	0.000	0.000	3.515	0.000	0.08
		B		0.000	0.000	3.515	0.000	0.08
		C		0.000	0.000	4.156	0.000	0.21
L32	32.25-32.00	A	0.848	0.000	0.000	0.292	0.000	0.01
		B		0.000	0.000	0.292	0.000	0.01
		C		0.000	0.000	0.344	0.000	0.02
L33	32.00-27.00	A	0.840	0.000	0.000	5.840	0.000	0.13
		B		0.000	0.000	5.840	0.000	0.13
		C		0.000	0.000	6.868	0.000	0.35
L34	27.00-22.00	A	0.825	0.000	0.000	5.825	0.000	0.13
		B		0.000	0.000	5.825	0.000	0.13
		C		0.000	0.000	6.838	0.000	0.35
L35	22.00-17.00	A	0.806	0.000	0.000	5.806	0.000	0.13
		B		0.000	0.000	5.806	0.000	0.13
		C		0.000	0.000	6.800	0.000	0.35
L36	17.00-15.50	A	0.792	0.000	0.000	2.769	0.000	0.06

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L37	15.50-15.25	B	0.787	0.000	0.000	2.769	0.000	0.06
		C		0.000	0.000	3.063	0.000	0.12
		A		0.000	0.000	0.495	0.000	0.01
L38	15.25-14.75	B	0.786	0.000	0.000	0.495	0.000	0.01
		C		0.000	0.000	0.544	0.000	0.02
		A		0.000	0.000	0.990	0.000	0.02
L39	14.75-14.50	B	0.784	0.000	0.000	0.990	0.000	0.02
		C		0.000	0.000	1.088	0.000	0.04
		A		0.000	0.000	0.495	0.000	0.01
L40	14.50-9.50	B	0.768	0.000	0.000	0.495	0.000	0.01
		C		0.000	0.000	0.544	0.000	0.02
		A		0.000	0.000	6.697	0.000	0.13
L41	9.50-4.50	B	0.728	0.000	0.000	6.697	0.000	0.13
		C		0.000	0.000	7.557	0.000	0.34
		A		0.000	0.000	4.061	0.000	0.07
L42	4.50-0.00	B	0.650	0.000	0.000	4.061	0.000	0.07
		C		0.000	0.000	4.061	0.000	0.28
		A		0.000	0.000	2.191	0.000	0.04
		B		0.000	0.000	2.191	0.000	0.04
		C		0.000	0.000	2.191	0.000	0.22

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	0.1651	0.1584	0.6968	0.6682
L2	155.00-150.00	0.1651	0.1584	0.7012	0.6725
L3	150.00-145.00	0.1651	0.1584	0.7050	0.6761
L4	145.00-140.00	0.1651	0.1584	0.7082	0.6791
L5	140.00-135.00	0.1651	0.1584	0.7109	0.6817
L6	135.00-130.00	0.1651	0.1584	0.7131	0.6838
L7	130.00-125.00	0.1651	0.1584	0.7148	0.6855
L8	125.00-120.00	0.1651	0.1584	0.7162	0.6868
L9	120.00-111.33	0.1651	0.1584	0.7175	0.6881
L10	111.33-111.00	0.1653	0.1585	0.7198	0.6902
L11	111.00-106.00	0.1653	0.1585	0.7177	0.6883
L12	106.00-101.00	0.1653	0.1585	0.7179	0.6884
L13	101.00-96.00	0.1653	0.1585	0.7177	0.6883
L14	96.00-91.00	0.1653	0.1585	0.7172	0.6878
L15	91.00-86.00	0.1135	0.1088	0.5246	0.5030
L16	86.00-85.75	0.0872	0.0836	0.4165	0.3994
L17	85.75-81.00	0.0829	0.0795	0.3963	0.3801
L18	81.00-80.75	0.0690	0.0662	0.3322	0.3186
L19	80.75-80.50	0.0691	0.0662	0.3325	0.3188
L20	80.50-73.25	0.1115	0.1069	0.5089	0.4880
L21	73.25-72.25	0.1654	0.1586	0.7142	0.6849
L22	72.25-67.25	0.1653	0.1586	0.7099	0.6808
L23	67.25-62.25	0.1653	0.1586	0.7075	0.6785
L24	62.25-57.25	0.1653	0.1585	0.7047	0.6758
L25	57.25-52.25	0.1632	0.1565	0.6935	0.6650
L26	52.25-49.83	0.0911	0.0873	0.4091	0.3924
L27	49.83-49.58	0.0913	0.0876	0.4097	0.3929
L28	49.58-44.58	0.0919	0.0881	0.4106	0.3938
L29	44.58-36.33	0.0933	0.0895	0.4123	0.3954
L30	36.33-35.33	0.0936	0.0897	0.4136	0.3966
L31	35.33-32.25	0.0950	0.0911	0.4143	0.3973
L32	32.25-32.00	0.0943	0.0904	0.4100	0.3931
L33	32.00-27.00	0.0948	0.0909	0.4097	0.3929
L34	27.00-22.00	0.0958	0.0919	0.4084	0.3916
L35	22.00-17.00	0.0967	0.0928	0.4057	0.3890
L36	17.00-15.50	0.0792	0.0760	0.3291	0.3156
L37	15.50-15.25	0.0766	0.0734	0.3169	0.3039
L38	15.25-14.75	0.0766	0.0735	0.3167	0.3037
L39	14.75-14.50	0.0767	0.0736	0.3164	0.3034

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
L40	14.50-9.50	0.0842	0.0808	0.3375	0.3237
L41	9.50-4.50	0.0000	0.0000	0.0000	0.0000
L42	4.50-0.00	0.0000	0.0000	0.0000	0.0000

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
L8	1	Safety Line 3/8	120.00 - 125.00	1.0000	1.0000
L9	1	Safety Line 3/8	111.33 - 120.00	1.0000	1.0000
L10	1	Safety Line 3/8	111.00 - 111.33	1.0000	1.0000
L11	1	Safety Line 3/8	106.00 - 111.00	1.0000	1.0000
L12	1	Safety Line 3/8	101.00 - 106.00	1.0000	1.0000
L13	1	Safety Line 3/8	96.00 - 101.00	1.0000	1.0000
L14	1	Safety Line 3/8	91.00 - 96.00	1.0000	1.0000
L15	1	Safety Line 3/8	86.00 - 91.00	1.0000	1.0000
L15	37	CCI-AFP-060100	86.00 - 88.50	1.0000	1.0000
L15	38	CCI-AFP-060100	86.00 - 88.50	1.0000	1.0000
L15	39	CCI-AFP-060100	86.00 - 88.50	1.0000	1.0000
L16	1	Safety Line 3/8	85.75 - 86.00	1.0000	1.0000
L16	37	CCI-AFP-060100	85.75 - 86.00	1.0000	1.0000
L16	38	CCI-AFP-060100	85.75 - 86.00	1.0000	1.0000
L16	39	CCI-AFP-060100	85.75 - 86.00	1.0000	1.0000
L17	1	Safety Line 3/8	81.00 - 85.75	1.0000	1.0000
L17	28	MK SR 2	81.00 - 82.00	1.0000	1.0000
L17	29	MK SR 2	81.00 - 82.00	1.0000	1.0000
L17	30	MK SR 2	81.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L17	37	CCI-AFP-060100	82.00 81.00 - 85.75	1.0000	1.0000
L17	38	CCI-AFP-060100	81.00 - 85.75	1.0000	1.0000
L17	39	CCI-AFP-060100	81.00 - 85.75	1.0000	1.0000
L18	1	Safety Line 3/8	80.75 - 81.00	1.0000	1.0000
L18	28	MK SR 2	80.75 - 81.00	1.0000	1.0000
L18	29	MK SR 2	80.75 - 81.00	1.0000	1.0000
L18	30	MK SR 2	80.75 - 81.00	1.0000	1.0000
L18	37	CCI-AFP-060100	80.75 - 81.00	1.0000	1.0000
L18	38	CCI-AFP-060100	80.75 - 81.00	1.0000	1.0000
L18	39	CCI-AFP-060100	80.75 - 81.00	1.0000	1.0000
L19	1	Safety Line 3/8	80.50 - 80.75	1.0000	1.0000
L19	28	MK SR 2	80.50 - 80.75	1.0000	1.0000
L19	29	MK SR 2	80.50 - 80.75	1.0000	1.0000
L19	30	MK SR 2	80.50 - 80.75	1.0000	1.0000
L19	37	CCI-AFP-060100	80.50 - 80.75	1.0000	1.0000
L19	38	CCI-AFP-060100	80.50 - 80.75	1.0000	1.0000
L19	39	CCI-AFP-060100	80.50 - 80.75	1.0000	1.0000
L20	1	Safety Line 3/8	73.25 - 80.50	1.0000	1.0000
L20	28	MK SR 2	77.00 - 80.50	1.0000	1.0000
L20	29	MK SR 2	77.00 - 80.50	1.0000	1.0000
L20	30	MK SR 2	77.00 - 80.50	1.0000	1.0000
L20	37	CCI-AFP-060100	78.50 - 80.50	1.0000	1.0000
L20	38	CCI-AFP-060100	78.50 - 80.50	1.0000	1.0000
L20	39	CCI-AFP-060100	78.50 - 80.50	1.0000	1.0000
L21	1	Safety Line 3/8	72.25 - 73.25	1.0000	1.0000
L22	1	Safety Line 3/8	67.25 - 72.25	1.0000	1.0000
L23	1	Safety Line 3/8	62.25 - 67.25	1.0000	1.0000
L24	1	Safety Line 3/8	57.25 - 62.25	1.0000	1.0000
L25	1	Safety Line 3/8	52.25 - 57.25	1.0000	1.0000
L25	34	CCI-AFP-060100	52.25 - 52.33	1.0000	1.0000
L25	35	CCI-AFP-060100	52.25 - 52.33	1.0000	1.0000
L25	36	CCI-AFP-060100	52.25 - 52.33	1.0000	1.0000
L26	1	Safety Line 3/8	49.83 - 52.25	1.0000	1.0000
L26	34	CCI-AFP-060100	49.83 - 52.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L26	35	CCI-AFP-060100	49.83 - 52.25	1.0000	1.0000
L26	36	CCI-AFP-060100	49.83 - 52.25	1.0000	1.0000
L27	1	Safety Line 3/8	49.58 - 49.83	1.0000	1.0000
L27	34	CCI-AFP-060100	49.58 - 49.83	1.0000	1.0000
L27	35	CCI-AFP-060100	49.58 - 49.83	1.0000	1.0000
L27	36	CCI-AFP-060100	49.58 - 49.83	1.0000	1.0000
L28	1	Safety Line 3/8	44.58 - 49.58	1.0000	1.0000
L28	34	CCI-AFP-060100	44.58 - 49.58	1.0000	1.0000
L28	35	CCI-AFP-060100	44.58 - 49.58	1.0000	1.0000
L28	36	CCI-AFP-060100	44.58 - 49.58	1.0000	1.0000
L29	1	Safety Line 3/8	36.33 - 44.58	1.0000	1.0000
L29	34	CCI-AFP-060100	36.33 - 44.58	1.0000	1.0000
L29	35	CCI-AFP-060100	36.33 - 44.58	1.0000	1.0000
L29	36	CCI-AFP-060100	36.33 - 44.58	1.0000	1.0000
L30	1	Safety Line 3/8	35.33 - 36.33	1.0000	1.0000
L30	34	CCI-AFP-060100	35.33 - 36.33	1.0000	1.0000
L30	35	CCI-AFP-060100	35.33 - 36.33	1.0000	1.0000
L30	36	CCI-AFP-060100	35.33 - 36.33	1.0000	1.0000
L31	1	Safety Line 3/8	32.25 - 35.33	1.0000	1.0000
L31	34	CCI-AFP-060100	32.33 - 35.33	1.0000	1.0000
L31	35	CCI-AFP-060100	32.33 - 35.33	1.0000	1.0000
L31	36	CCI-AFP-060100	32.33 - 35.33	1.0000	1.0000
L32	1	Safety Line 3/8	32.00 - 32.25	1.0000	1.0000
L32	31	CCI-AFP-060100	32.00 - 32.25	1.0000	1.0000
L32	32	CCI-AFP-060100	32.00 - 32.25	1.0000	1.0000
L32	33	CCI-AFP-060100	32.00 - 32.25	1.0000	1.0000
L33	1	Safety Line 3/8	27.00 - 32.00	1.0000	1.0000
L33	31	CCI-AFP-060100	27.00 - 32.00	1.0000	1.0000
L33	32	CCI-AFP-060100	27.00 - 32.00	1.0000	1.0000
L33	33	CCI-AFP-060100	27.00 - 32.00	1.0000	1.0000
L34	1	Safety Line 3/8	22.00 - 27.00	1.0000	1.0000
L34	31	CCI-AFP-060100	22.00 - 27.00	1.0000	1.0000
L34	32	CCI-AFP-060100	22.00 - 27.00	1.0000	1.0000
L34	33	CCI-AFP-060100	22.00 - 27.00	1.0000	1.0000
L35	1	Safety Line 3/8	17.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L35	31	CCI-AFP-060100	22.00 17.00 - 22.00	1.0000	1.0000
L35	32	CCI-AFP-060100	22.00 17.00 - 22.00	1.0000	1.0000
L35	33	CCI-AFP-060100	22.00 17.00 - 22.00	1.0000	1.0000
L36	1	Safety Line 3/8	15.50 - 17.00	1.0000	1.0000
L36	25	MK SR 1	15.50 - 16.75	1.0000	1.0000
L36	26	MK SR 1	15.50 - 16.75	1.0000	1.0000
L36	27	MK SR 1	15.50 - 16.75	1.0000	1.0000
L36	31	CCI-AFP-060100	15.50 - 17.00	1.0000	1.0000
L36	32	CCI-AFP-060100	15.50 - 17.00	1.0000	1.0000
L36	33	CCI-AFP-060100	15.50 - 17.00	1.0000	1.0000
L37	1	Safety Line 3/8	15.25 - 15.50	1.0000	1.0000
L37	25	MK SR 1	15.25 - 15.50	1.0000	1.0000
L37	26	MK SR 1	15.25 - 15.50	1.0000	1.0000
L37	27	MK SR 1	15.25 - 15.50	1.0000	1.0000
L37	31	CCI-AFP-060100	15.25 - 15.50	1.0000	1.0000
L37	32	CCI-AFP-060100	15.25 - 15.50	1.0000	1.0000
L37	33	CCI-AFP-060100	15.25 - 15.50	1.0000	1.0000
L38	1	Safety Line 3/8	14.75 - 15.25	1.0000	1.0000
L38	25	MK SR 1	14.75 - 15.25	1.0000	1.0000
L38	26	MK SR 1	14.75 - 15.25	1.0000	1.0000
L38	27	MK SR 1	14.75 - 15.25	1.0000	1.0000
L38	31	CCI-AFP-060100	14.75 - 15.25	1.0000	1.0000
L38	32	CCI-AFP-060100	14.75 - 15.25	1.0000	1.0000
L38	33	CCI-AFP-060100	14.75 - 15.25	1.0000	1.0000
L39	1	Safety Line 3/8	14.50 - 14.75	1.0000	1.0000
L39	25	MK SR 1	14.50 - 14.75	1.0000	1.0000
L39	26	MK SR 1	14.50 - 14.75	1.0000	1.0000
L39	27	MK SR 1	14.50 - 14.75	1.0000	1.0000
L39	31	CCI-AFP-060100	14.50 - 14.75	1.0000	1.0000
L39	32	CCI-AFP-060100	14.50 - 14.75	1.0000	1.0000
L39	33	CCI-AFP-060100	14.50 - 14.75	1.0000	1.0000
L40	1	Safety Line 3/8	10.00 - 14.50	1.0000	1.0000
L40	25	MK SR 1	9.50 - 14.50	1.0000	1.0000
L40	26	MK SR 1	9.50 - 14.50	1.0000	1.0000
L40	27	MK SR 1	9.50 - 14.50	1.0000	1.0000
L40	31	CCI-AFP-060100	12.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L40	32	CCI-AFP-060100	14.50 12.25 - 14.50	1.0000	1.0000
L40	33	CCI-AFP-060100	12.25 - 14.50	1.0000	1.0000
L41	25	MK SR 1	4.50 - 9.50	1.0000	1.0000
L41	26	MK SR 1	4.50 - 9.50	1.0000	1.0000
L41	27	MK SR 1	4.50 - 9.50	1.0000	1.0000
L42	25	MK SR 1	1.75 - 4.50	1.0000	1.0000
L42	26	MK SR 1	1.75 - 4.50	1.0000	1.0000
L42	27	MK SR 1	1.75 - 4.50	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
L15	37	CCI-AFP-060100	86.00 - 88.50	Auto	0.0000
L15	38	CCI-AFP-060100	86.00 - 88.50	Auto	0.0000
L15	39	CCI-AFP-060100	86.00 - 88.50	Auto	0.0000
L16	37	CCI-AFP-060100	85.75 - 86.00	Auto	0.0000
L16	38	CCI-AFP-060100	85.75 - 86.00	Auto	0.0000
L16	39	CCI-AFP-060100	85.75 - 86.00	Auto	0.0000
L17	28	MK SR 2	81.00 - 82.00	Auto	0.0000
L17	29	MK SR 2	81.00 - 82.00	Auto	0.0000
L17	30	MK SR 2	81.00 - 82.00	Auto	0.0000
L17	37	CCI-AFP-060100	81.00 - 85.75	Auto	0.0000
L17	38	CCI-AFP-060100	81.00 - 85.75	Auto	0.0000
L17	39	CCI-AFP-060100	81.00 - 85.75	Auto	0.0000
L18	28	MK SR 2	80.75 - 81.00	Auto	0.0000
L18	29	MK SR 2	80.75 - 81.00	Auto	0.0000
L18	30	MK SR 2	80.75 - 81.00	Auto	0.0000
L18	37	CCI-AFP-060100	80.75 - 81.00	Auto	0.0000
L18	38	CCI-AFP-060100	80.75 - 81.00	Auto	0.0000
L18	39	CCI-AFP-060100	80.75 - 81.00	Auto	0.0000
L19	28	MK SR 2	80.50 - 80.75	Auto	0.0000
L19	29	MK SR 2	80.50 - 80.75	Auto	0.0000
L19	30	MK SR 2	80.50 - 80.75	Auto	0.0000
L19	37	CCI-AFP-060100	80.50 -	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L19	38	CCI-AFP-060100	80.75 80.50 - 80.75	Auto	0.0000
L19	39	CCI-AFP-060100	80.50 - 80.75	Auto	0.0000
L20	28	MK SR 2	77.00 - 80.50	Auto	0.0000
L20	29	MK SR 2	77.00 - 80.50	Auto	0.0000
L20	30	MK SR 2	77.00 - 80.50	Auto	0.0000
L20	37	CCI-AFP-060100	78.50 - 80.50	Auto	0.0000
L20	38	CCI-AFP-060100	78.50 - 80.50	Auto	0.0000
L20	39	CCI-AFP-060100	78.50 - 80.50	Auto	0.0000
L25	34	CCI-AFP-060100	52.25 - 52.33	Auto	0.0000
L25	35	CCI-AFP-060100	52.25 - 52.33	Auto	0.0000
L25	36	CCI-AFP-060100	52.25 - 52.33	Auto	0.0000
L26	34	CCI-AFP-060100	49.83 - 52.25	Auto	0.0000
L26	35	CCI-AFP-060100	49.83 - 52.25	Auto	0.0000
L26	36	CCI-AFP-060100	49.83 - 52.25	Auto	0.0000
L27	34	CCI-AFP-060100	49.58 - 49.83	Auto	0.0000
L27	35	CCI-AFP-060100	49.58 - 49.83	Auto	0.0000
L27	36	CCI-AFP-060100	49.58 - 49.83	Auto	0.0000
L28	34	CCI-AFP-060100	44.58 - 49.58	Auto	0.0000
L28	35	CCI-AFP-060100	44.58 - 49.58	Auto	0.0000
L28	36	CCI-AFP-060100	44.58 - 49.58	Auto	0.0000
L29	34	CCI-AFP-060100	36.33 - 44.58	Auto	0.0000
L29	35	CCI-AFP-060100	36.33 - 44.58	Auto	0.0000
L29	36	CCI-AFP-060100	36.33 - 44.58	Auto	0.0000
L30	34	CCI-AFP-060100	35.33 - 36.33	Auto	0.0000
L30	35	CCI-AFP-060100	35.33 - 36.33	Auto	0.0000
L30	36	CCI-AFP-060100	35.33 - 36.33	Auto	0.0000
L31	34	CCI-AFP-060100	32.33 - 35.33	Auto	0.0000
L31	35	CCI-AFP-060100	32.33 - 35.33	Auto	0.0000
L31	36	CCI-AFP-060100	32.33 - 35.33	Auto	0.0000
L32	31	CCI-AFP-060100	32.00 - 32.25	Auto	0.0000
L32	32	CCI-AFP-060100	32.00 - 32.25	Auto	0.0000
L32	33	CCI-AFP-060100	32.00 - 32.25	Auto	0.0000
L33	31	CCI-AFP-060100	27.00 - 32.00	Auto	0.0000
L33	32	CCI-AFP-060100	27.00 -	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L33	33	CCI-AFP-060100	32.00 27.00 - 32.00	Auto	0.0000
L34	31	CCI-AFP-060100	22.00 - 27.00	Auto	0.0000
L34	32	CCI-AFP-060100	22.00 - 27.00	Auto	0.0000
L34	33	CCI-AFP-060100	22.00 - 27.00	Auto	0.0000
L35	31	CCI-AFP-060100	17.00 - 22.00	Auto	0.0000
L35	32	CCI-AFP-060100	17.00 - 22.00	Auto	0.0000
L35	33	CCI-AFP-060100	17.00 - 22.00	Auto	0.0000
L36	25	MK SR 1	15.50 - 16.75	Auto	0.0000
L36	26	MK SR 1	15.50 - 16.75	Auto	0.0000
L36	27	MK SR 1	15.50 - 16.75	Auto	0.0000
L36	31	CCI-AFP-060100	15.50 - 17.00	Auto	0.0000
L36	32	CCI-AFP-060100	15.50 - 17.00	Auto	0.0000
L36	33	CCI-AFP-060100	15.50 - 17.00	Auto	0.0000
L37	25	MK SR 1	15.25 - 15.50	Auto	0.0000
L37	26	MK SR 1	15.25 - 15.50	Auto	0.0000
L37	27	MK SR 1	15.25 - 15.50	Auto	0.0000
L37	31	CCI-AFP-060100	15.25 - 15.50	Auto	0.0000
L37	32	CCI-AFP-060100	15.25 - 15.50	Auto	0.0000
L37	33	CCI-AFP-060100	15.25 - 15.50	Auto	0.0000
L38	25	MK SR 1	14.75 - 15.25	Auto	0.0000
L38	26	MK SR 1	14.75 - 15.25	Auto	0.0000
L38	27	MK SR 1	14.75 - 15.25	Auto	0.0000
L38	31	CCI-AFP-060100	14.75 - 15.25	Auto	0.0000
L38	32	CCI-AFP-060100	14.75 - 15.25	Auto	0.0000
L38	33	CCI-AFP-060100	14.75 - 15.25	Auto	0.0000
L39	25	MK SR 1	14.50 - 14.75	Auto	0.0000
L39	26	MK SR 1	14.50 - 14.75	Auto	0.0000
L39	27	MK SR 1	14.50 - 14.75	Auto	0.0000
L39	31	CCI-AFP-060100	14.50 - 14.75	Auto	0.0000
L39	32	CCI-AFP-060100	14.50 - 14.75	Auto	0.0000
L39	33	CCI-AFP-060100	14.50 - 14.75	Auto	0.0000
L40	25	MK SR 1	9.50 - 14.50	Auto	0.0000
L40	26	MK SR 1	9.50 - 14.50	Auto	0.0000
L40	27	MK SR 1	9.50 - 14.50	Auto	0.0000
L40	31	CCI-AFP-060100	12.25 - 14.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L40	32	CCI-AFP-060100	12.25 - 14.50	Auto	0.0000
L40	33	CCI-AFP-060100	12.25 - 14.50	Auto	0.0000
L41	25	MK SR 1	4.50 - 9.50	Auto	0.0000
L41	26	MK SR 1	4.50 - 9.50	Auto	0.0000
L41	27	MK SR 1	4.50 - 9.50	Auto	0.0000
L42	25	MK SR 1	1.75 - 4.50	Auto	0.0000
L42	26	MK SR 1	1.75 - 4.50	Auto	0.0000
L42	27	MK SR 1	1.75 - 4.50	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
157									
Platform Mount [13' LP 713-1]	C	None		0.0000	157.00	No Ice	35.63	35.63	1.64
						1/2"	38.74	38.74	2.41
						Ice	41.99	41.99	3.28
						1" Ice			
3'x3"x3"x1/4" Horizontal Angle	A	From Face	4.00	0.0000	157.00	No Ice	0.90	0.07	0.01
			0.00			1/2"	1.12	0.11	0.02
			2.00			Ice	1.35	0.16	0.03
						1" Ice			
3'x3"x3"x1/4" Horizontal Angle	B	From Face	4.00	0.0000	157.00	No Ice	0.90	0.07	0.01
			0.00			1/2"	1.12	0.11	0.02
			2.00			Ice	1.35	0.16	0.03
						1" Ice			
3'x3"x3"x1/4" Horizontal Angle	C	From Face	4.00	0.0000	157.00	No Ice	0.90	0.07	0.01
			0.00			1/2"	1.12	0.11	0.02
			2.00			Ice	1.35	0.16	0.03
						1" Ice			
5'x2" Mount Pipe	A	From Face	4.00	0.0000	157.00	No Ice	1.19	1.19	0.02
			0.00			1/2"	1.50	1.50	0.03
			0.00			Ice	1.81	1.81	0.04
						1" Ice			
5'x2" Mount Pipe	B	From Face	4.00	0.0000	157.00	No Ice	1.19	1.19	0.02
			0.00			1/2"	1.50	1.50	0.03
			0.00			Ice	1.81	1.81	0.04
						1" Ice			
5'x2" Mount Pipe	C	From Face	4.00	0.0000	157.00	No Ice	1.19	1.19	0.02
			0.00			1/2"	1.50	1.50	0.03
			0.00			Ice	1.81	1.81	0.04
						1" Ice			
VV-65B-R1_TMO w/ Mount Pipe	A	From Face	4.00	0.0000	157.00	No Ice	5.82	3.48	0.07
			0.00			1/2"	6.37	4.00	0.12
			1.00			Ice	6.94	4.54	0.19
						1" Ice			
VV-65B-R1_TMO w/ Mount Pipe	B	From Face	4.00	0.0000	157.00	No Ice	5.82	3.48	0.07
			0.00			1/2"	6.37	4.00	0.12
			1.00			Ice	6.94	4.54	0.19
						1" Ice			
VV-65B-R1_TMO w/ Mount Pipe	C	From Face	4.00	0.0000	157.00	No Ice	5.82	3.48	0.07
			0.00			1/2"	6.37	4.00	0.12
			1.00			Ice	6.94	4.54	0.19
						1" Ice			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
AIR 6419 B41_TMO w/ Mount Pipe	A	From Face	4.00 0.00 1.00	0.0000	157.00	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 Face	4.00 0.00 1.00	0.0000	157.00	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 Face	4.00 0.00 1.00	0.0000	157.00	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
APXVAALL24_43-U- NA20_TMO w/ Mount Pipe	A	From Face	4.00 0.00 1.00	0.0000	157.00	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 Face	4.00 0.00 1.00	0.0000	157.00	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 Face	4.00 0.00 1.00	0.0000	157.00	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 4460 B2/B25 B66_TMO	A	From Face	4.00 0.00 1.00	0.0000	157.00	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 Face	4.00 0.00 1.00	0.0000	157.00	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 Face	4.00 0.00 1.00	0.0000	157.00	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 4480_TMOV2	A	From Face	4.00 0.00 1.00	0.0000	157.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
Radio 4480_TMOV2	B	From Face	4.00 0.00 1.00	0.0000	157.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
Radio 4480_TMOV2	C	From Face	4.00 0.00 1.00	0.0000	157.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
149 Platform Mount [13' LP 713-1]	C	None		0.0000	149.00	No Ice 1/2" Ice 1" Ice	35.63 38.74 41.99	35.63 38.74 41.99	1.64 2.41 3.28
(2) 4'x2" Mount Pipe	A	From Face	4.00 0.00 0.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	0.87 1.11 1.36	0.87 1.11 1.36	0.01 0.02 0.03
(2) 4'x2" Mount Pipe	B	From Face	4.00 0.00 0.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	0.87 1.11 1.36	0.87 1.11 1.36	0.01 0.02 0.03
(2) 4'x2" Mount Pipe	C	From Face	4.00 0.00 0.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	0.87 1.11 1.36	0.87 1.11 1.36	0.01 0.02 0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
7770.00 w/ Mount Pipe	A	From Face	4.00 0.00 2.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
7770.00 w/ Mount Pipe	B	From Face	4.00 0.00 2.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
7770.00 w/ Mount Pipe	C	From Face	4.00 0.00 2.00	0.0000	149.00	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
EPBQ-654L8H6-L2 w/ Mount Pipe	A	From Face	4.00 0.00 2.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	11.09 11.77 12.46	4.69 5.28 5.89	0.11 0.19 0.29
EPBQ-654L8H6-L2 w/ Mount Pipe	B	From Face	4.00 0.00 2.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	11.09 11.77 12.46	4.69 5.28 5.89	0.11 0.19 0.29
EPBQ-654L8H6-L2 w/ Mount Pipe	C	From Face	4.00 0.00 2.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	11.09 11.77 12.46	4.69 5.28 5.89	0.11 0.19 0.29
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Face	4.00 0.00 2.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	9.22 9.98 10.76	6.25 6.96 7.70	0.07 0.14 0.22
HPA-65R-BUU-H6 w/ Mount Pipe	B	From Face	4.00 0.00 2.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	9.22 9.98 10.76	6.25 6.96 7.70	0.07 0.14 0.22
HPA-65R-BUU-H6 w/ Mount Pipe	C	From Face	4.00 0.00 2.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	9.22 9.98 10.76	6.25 6.96 7.70	0.07 0.14 0.22
(2) LGP21401	A	From Face	4.00 0.00 0.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	1.10 1.24 1.38	0.35 0.44 0.54	0.01 0.02 0.03
(2) LGP21401	B	From Face	4.00 0.00 0.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	1.10 1.24 1.38	0.35 0.44 0.54	0.01 0.02 0.03
(2) LGP21401	C	From Face	4.00 0.00 0.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	1.10 1.24 1.38	0.35 0.44 0.54	0.01 0.02 0.03
RRUS 11 B12	A	From Face	4.00 0.00 0.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.10
RRUS 11 B12	B	From Face	4.00 0.00 0.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.10
RRUS 11 B12	C	From Face	4.00 0.00 0.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.10
RRUS 32 B30	A	From Face	4.00 0.00 2.00	0.0000	149.00	No Ice 1/2" Ice 1" Ice	2.69 2.91 3.14	1.57 1.76 1.95	0.06 0.08 0.10
RRUS 32 B30	B	From Face	4.00	0.0000	149.00	No Ice	2.69	1.57	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.00			1/2"	2.91	1.76	0.08
			2.00			Ice	3.14	1.95	0.10
RRUS 32 B30	C	From Face	4.00	0.0000	149.00	1" Ice	2.69	1.57	0.06
			0.00			No Ice	2.91	1.76	0.08
			2.00			Ice	3.14	1.95	0.10
DC6-48-60-18-8F	A	From Face	4.00	0.0000	149.00	1" Ice	0.92	0.92	0.02
			0.00			No Ice	1.46	1.46	0.04
			0.00			Ice	1.64	1.64	0.06
DC6-48-60-18-8F	B	From Face	4.00	0.0000	149.00	1" Ice	0.92	0.92	0.02
			0.00			No Ice	1.46	1.46	0.04
			0.00			Ice	1.64	1.64	0.06
DC6-48-60-18-8F	C	From Face	4.00	0.0000	149.00	1" Ice	0.92	0.92	0.02
			0.00			No Ice	1.46	1.46	0.04
			0.00			Ice	1.64	1.64	0.06
RRUS 4449 B5/B12	A	From Face	4.00	0.0000	149.00	1" Ice	1.97	1.41	0.07
			0.00			No Ice	2.14	1.56	0.09
			2.00			Ice	2.33	1.73	0.11
RRUS 4449 B5/B12	B	From Face	4.00	0.0000	149.00	1" Ice	1.97	1.41	0.07
			0.00			No Ice	2.14	1.56	0.09
			2.00			Ice	2.33	1.73	0.11
RRUS 4449 B5/B12	C	From Face	4.00	0.0000	149.00	1" Ice	1.97	1.41	0.07
			0.00			No Ice	2.14	1.56	0.09
			2.00			Ice	2.33	1.73	0.11
RRUS 8843 B2/B66A	A	From Face	4.00	0.0000	149.00	1" Ice	1.64	1.35	0.07
			0.00			No Ice	1.80	1.50	0.09
			2.00			Ice	1.97	1.65	0.11
RRUS 8843 B2/B66A	B	From Face	4.00	0.0000	149.00	1" Ice	1.64	1.35	0.07
			0.00			No Ice	1.80	1.50	0.09
			2.00			Ice	1.97	1.65	0.11
RRUS 8843 B2/B66A	C	From Face	4.00	0.0000	149.00	1" Ice	1.64	1.35	0.07
			0.00			No Ice	1.80	1.50	0.09
			2.00			Ice	1.97	1.65	0.11
139 Platform Mount [LP 713- 1_KCKR]	C	None		0.0000	139.00	1" Ice	48.40	48.40	1.78
						No Ice	59.20	59.20	2.64
						Ice	69.20	69.20	3.62
6'x2.5" Mount Pipe	A	From Face	4.00	0.0000	139.00	1" Ice	1.73	1.73	0.03
			0.00			No Ice	2.09	2.09	0.05
			0.00			Ice	2.46	2.46	0.06
6'x2.5" Mount Pipe	B	From Face	4.00	0.0000	139.00	1" Ice	1.73	1.73	0.03
			0.00			No Ice	2.09	2.09	0.05
			0.00			Ice	2.46	2.46	0.06
6'x2.5" Mount Pipe	C	From Face	4.00	0.0000	139.00	1" Ice	1.73	1.73	0.03
			0.00			No Ice	2.09	2.09	0.05
			0.00			Ice	2.46	2.46	0.06
6'x2" Mount Pipe	A	From Face	4.00	0.0000	139.00	1" Ice	1.43	1.43	0.02
			0.00			No Ice	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
6'x2" Mount Pipe	B	From Face	4.00	0.0000	139.00	1" Ice	1.43	1.43	0.02
						No Ice			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
6"x2" Mount Pipe	C	From Face	4.00	0.0000	139.00	1" Ice	1.43	1.43	0.02
			0.00			No Ice	1.92	1.92	0.03
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
			0.00			1" Ice			
(2) DB846F65ZAXY w/ Mount Pipe	A	From Face	4.00	0.0000	139.00	No Ice	6.10	6.81	0.06
			0.00			1/2"	6.80	7.52	0.12
			3.00			Ice	7.51	8.24	0.19
			0.00			1" Ice			
(2) DB846F65ZAXY w/ Mount Pipe	B	From Face	4.00	0.0000	139.00	No Ice	6.10	6.81	0.06
			0.00			1/2"	6.80	7.52	0.12
			3.00			Ice	7.51	8.24	0.19
			0.00			1" Ice			
(2) DB846F65ZAXY w/ Mount Pipe	C	From Face	4.00	0.0000	139.00	No Ice	6.10	6.81	0.06
			0.00			1/2"	6.80	7.52	0.12
			3.00			Ice	7.51	8.24	0.19
			0.00			1" Ice			
(2) MX06FRO860-03 w/ Mount Pipe	A	From Face	4.00	0.0000	139.00	No Ice	8.84	7.49	0.12
			0.00			1/2"	9.51	8.15	0.22
			3.00			Ice	10.20	8.82	0.34
			0.00			1" Ice			
(2) MX06FRO860-03 w/ Mount Pipe	B	From Face	4.00	0.0000	139.00	No Ice	8.84	7.49	0.12
			0.00			1/2"	9.51	8.15	0.22
			3.00			Ice	10.20	8.82	0.34
			0.00			1" Ice			
(2) MX06FRO860-03 w/ Mount Pipe	C	From Face	4.00	0.0000	139.00	No Ice	8.84	7.49	0.12
			0.00			1/2"	9.51	8.15	0.22
			3.00			Ice	10.20	8.82	0.34
			0.00			1" Ice			
MT6407-77A w/ Mount Pipe	A	From Face	4.00	0.0000	139.00	No Ice	5.94	3.10	0.10
			0.00			1/2"	6.47	3.55	0.13
			3.00			Ice	7.02	4.02	0.18
			0.00			1" Ice			
MT6407-77A w/ Mount Pipe	B	From Face	4.00	0.0000	139.00	No Ice	5.94	3.10	0.10
			0.00			1/2"	6.47	3.55	0.13
			3.00			Ice	7.02	4.02	0.18
			0.00			1" Ice			
MT6407-77A w/ Mount Pipe	C	From Face	4.00	0.0000	139.00	No Ice	5.94	3.10	0.10
			0.00			1/2"	6.47	3.55	0.13
			3.00			Ice	7.02	4.02	0.18
			0.00			1" Ice			
(2) FD9R6004/2C-3L	A	From Face	4.00	0.0000	139.00	No Ice	0.31	0.08	0.00
			0.00			1/2"	0.39	0.12	0.01
			3.00			Ice	0.47	0.17	0.01
			0.00			1" Ice			
(2) FD9R6004/2C-3L	B	From Face	4.00	0.0000	139.00	No Ice	0.31	0.08	0.00
			0.00			1/2"	0.39	0.12	0.01
			3.00			Ice	0.47	0.17	0.01
			0.00			1" Ice			
(2) FD9R6004/2C-3L	C	From Face	4.00	0.0000	139.00	No Ice	0.31	0.08	0.00
			0.00			1/2"	0.39	0.12	0.01
			3.00			Ice	0.47	0.17	0.01
			0.00			1" Ice			
RF4440D-13A	A	From Face	4.00	0.0000	139.00	No Ice	1.87	1.13	0.07
			0.00			1/2"	2.03	1.27	0.09
			3.00			Ice	2.21	1.41	0.11
			0.00			1" Ice			
RF4440D-13A	C	From Face	4.00	0.0000	139.00	No Ice	1.87	1.13	0.07
			0.00			1/2"	2.03	1.27	0.09
			3.00			Ice	2.21	1.41	0.11
			0.00			1" Ice			
RF4440D-13A	C	From Face	4.00	0.0000	139.00	No Ice	1.87	1.13	0.07
			0.00			1/2"	2.03	1.27	0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			3.00			Ice	2.21	1.41	0.11
RF4439D-25A	B	From Face	4.00	0.0000	139.00	1" Ice	1.87	1.25	0.07
			0.00			No Ice	2.03	1.39	0.09
			3.00			1/2"	2.21	1.54	0.11
RF4439D-25A	C	From Face	4.00	0.0000	139.00	1" Ice	1.87	1.25	0.07
			0.00			No Ice	2.03	1.39	0.09
			3.00			1/2"	2.21	1.54	0.11
RF4439D-25A	C	From Face	4.00	0.0000	139.00	1" Ice	1.87	1.25	0.07
			0.00			No Ice	2.03	1.39	0.09
			3.00			1/2"	2.21	1.54	0.11
RVZDC-6627-PF-48	B	From Face	4.00	0.0000	139.00	1" Ice	3.79	2.51	0.03
			0.00			No Ice	4.04	2.73	0.06
			3.00			1/2"	4.30	2.95	0.10
BSF0020F3V1	A	From Face	4.00	0.0000	139.00	1" Ice	0.96	0.29	0.02
			0.00			No Ice	1.09	0.36	0.02
			3.00			1/2"	1.22	0.45	0.03
BSF0020F3V1	B	From Face	4.00	0.0000	139.00	1" Ice	0.96	0.29	0.02
			0.00			No Ice	1.09	0.36	0.02
			3.00			1/2"	1.22	0.45	0.03
129						1" Ice			
Commscope MC-PK8-DSH	C	None		0.0000	129.00	No Ice	34.24	34.24	1.75
						1/2"	62.95	62.95	2.10
						Ice	91.66	91.66	2.45
(2) 8'x2" Mount Pipe	A	From Face	3.00	0.0000	129.00	1" Ice	1.90	1.90	0.03
			0.00			No Ice	2.73	2.73	0.04
			0.00			1/2"	3.40	3.40	0.06
(2) 8'x2" Mount Pipe	B	From Face	3.00	0.0000	129.00	1" Ice	1.90	1.90	0.03
			0.00			No Ice	2.73	2.73	0.04
			0.00			1/2"	3.40	3.40	0.06
(2) 8'x2" Mount Pipe	C	From Face	3.00	0.0000	129.00	1" Ice	1.90	1.90	0.03
			0.00			No Ice	2.73	2.73	0.04
			0.00			1/2"	3.40	3.40	0.06
MX08FRO665-21 w/ Mount Pipe	A	From Face	3.00	0.0000	129.00	1" Ice	8.01	4.23	0.11
			0.00			No Ice	8.52	4.69	0.19
			0.00			1/2"	9.04	5.16	0.29
MX08FRO665-21 w/ Mount Pipe	B	From Face	3.00	0.0000	129.00	1" Ice	8.01	4.23	0.11
			0.00			No Ice	8.52	4.69	0.19
			0.00			1/2"	9.04	5.16	0.29
MX08FRO665-21 w/ Mount Pipe	C	From Face	3.00	0.0000	129.00	1" Ice	8.01	4.23	0.11
			0.00			No Ice	8.52	4.69	0.19
			0.00			1/2"	9.04	5.16	0.29
TA08025-B604	A	From Face	3.00	0.0000	129.00	1" Ice	1.96	0.98	0.06
			0.00			No Ice	2.14	1.11	0.08
			0.00			1/2"	2.32	1.25	0.10
TA08025-B604	B	From Face	3.00	0.0000	129.00	1" Ice	1.96	0.98	0.06
			0.00			No Ice	2.14	1.11	0.08
			0.00			1/2"	2.32	1.25	0.10
TA08025-B604	C	From Face	3.00	0.0000	129.00	1" Ice	1.96	0.98	0.06
			0.00			No Ice	2.14	1.11	0.08
						1/2"			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.00			Ice	2.32	1.25	0.10
TA08025-B605	A	From Face	3.00	0.0000	129.00	1" Ice			
			0.00			No Ice	1.96	1.13	0.08
			0.00			1/2"	2.14	1.27	0.09
			0.00			Ice	2.32	1.41	0.11
TA08025-B605	B	From Face	3.00	0.0000	129.00	1" Ice			
			0.00			No Ice	1.96	1.13	0.08
			0.00			1/2"	2.14	1.27	0.09
			0.00			Ice	2.32	1.41	0.11
TA08025-B605	C	From Face	3.00	0.0000	129.00	1" Ice			
			0.00			No Ice	1.96	1.13	0.08
			0.00			1/2"	2.14	1.27	0.09
			0.00			Ice	2.32	1.41	0.11
RDIDC-9181-PF-48	A	From Face	3.00	0.0000	129.00	1" Ice			
			0.00			No Ice	2.01	1.17	0.02
			0.00			1/2"	2.19	1.31	0.04
			0.00			Ice	2.37	1.46	0.06
						1" Ice			
116 Platform Mount [LP 712-1]	C	None		0.0000	116.00	No Ice	24.56	24.56	1.34
						1/2"	27.92	27.92	1.91
						Ice	31.27	31.27	2.55
						1" Ice			
Miscellaneous [NA 507-1]	C	None		0.0000	116.00	No Ice	4.56	4.56	0.25
						1/2"	6.39	6.39	0.31
						Ice	8.18	8.18	0.40
						1" Ice			
6'x2" Mount Pipe	A	From Face	3.00	0.0000	116.00	No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
						1" Ice			
6'x2" Mount Pipe	B	From Face	3.00	0.0000	116.00	No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
						1" Ice			
6'x2" Mount Pipe	C	From Face	3.00	0.0000	116.00	No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
						1" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Face	3.00	0.0000	116.00	No Ice	14.69	6.87	0.19
			0.00			1/2"	15.46	7.55	0.31
			2.00			Ice	16.23	8.25	0.46
						1" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Face	3.00	0.0000	116.00	No Ice	14.69	6.87	0.19
			0.00			1/2"	15.46	7.55	0.31
			2.00			Ice	16.23	8.25	0.46
						1" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Face	3.00	0.0000	116.00	No Ice	14.69	6.87	0.19
			0.00			1/2"	15.46	7.55	0.31
			2.00			Ice	16.23	8.25	0.46
						1" Ice			
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Face	3.00	0.0000	116.00	No Ice	3.76	3.15	0.19
			0.00			1/2"	4.12	3.49	0.25
			2.00			Ice	4.48	3.84	0.32
						1" Ice			
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Face	3.00	0.0000	116.00	No Ice	3.76	3.15	0.19
			0.00			1/2"	4.12	3.49	0.25
			2.00			Ice	4.48	3.84	0.32
						1" Ice			
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Face	3.00	0.0000	116.00	No Ice	3.76	3.15	0.19
			0.00			1/2"	4.12	3.49	0.25
			2.00			Ice	4.48	3.84	0.32
						1" Ice			
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Face	3.00	0.0000	116.00	No Ice	3.14	2.59	0.11
			0.00			1/2"	3.45	2.88	0.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			2.00			Ice	3.77	3.19	0.23
ERICSSON AIR 21 B2A	B	From Face	3.00	0.0000	116.00	1" Ice			
B4P w/ Mount Pipe			0.00			No Ice	3.14	2.59	0.11
			2.00			1/2"	3.45	2.88	0.16
						Ice	3.77	3.19	0.23
ERICSSON AIR 21 B2A	C	From Face	3.00	0.0000	116.00	1" Ice			
B4P w/ Mount Pipe			0.00			No Ice	3.14	2.59	0.11
			2.00			1/2"	3.45	2.88	0.16
						Ice	3.77	3.19	0.23
RADIO 4449 B12/B71	A	From Face	3.00	0.0000	116.00	1" Ice			
			0.00			No Ice	1.65	1.30	0.08
			2.00			1/2"	1.81	1.44	0.09
						Ice	1.98	1.60	0.11
RADIO 4449 B12/B71	B	From Face	3.00	0.0000	116.00	1" Ice			
			0.00			No Ice	1.65	1.30	0.08
			2.00			1/2"	1.81	1.44	0.09
						Ice	1.98	1.60	0.11
RADIO 4449 B12/B71	C	From Face	3.00	0.0000	116.00	1" Ice			
			0.00			No Ice	1.65	1.30	0.08
			2.00			1/2"	1.81	1.44	0.09
						Ice	1.98	1.60	0.11
KRY 112 144/1	A	From Face	3.00	0.0000	116.00	1" Ice			
			0.00			No Ice	0.35	0.17	0.01
			2.00			1/2"	0.43	0.23	0.01
						Ice	0.51	0.30	0.02
KRY 112 144/1	B	From Face	3.00	0.0000	116.00	1" Ice			
			0.00			No Ice	0.35	0.17	0.01
			2.00			1/2"	0.43	0.23	0.01
						Ice	0.51	0.30	0.02
KRY 112 144/1	C	From Face	3.00	0.0000	116.00	1" Ice			
			0.00			No Ice	0.35	0.17	0.01
			2.00			1/2"	0.43	0.23	0.01
						Ice	0.51	0.30	0.02
84						1" Ice			
Side Arm Mount [4' SO	C	From Face	1.50	0.0000	84.00	No Ice	0.41	0.99	0.02
702-1]			0.00			1/2"	0.49	1.38	0.03
			0.00			Ice	0.59	1.69	0.04
GPS_A	C	From Face	3.00	0.0000	84.00	1" Ice			
			0.00			No Ice	0.26	0.26	0.00
			0.00			1/2"	0.32	0.32	0.00
						Ice	0.39	0.39	0.01
						1" Ice			
40									
Pipe Mount [PM 601-1]	A	From Face	1.00	0.0000	40.00	No Ice	1.32	1.32	0.07
			0.00			1/2"	1.58	1.58	0.08
			0.00			Ice	1.84	1.84	0.09
GPS-QBW-20N	A	From Face	1.00	0.0000	40.00	1" Ice			
			0.00			No Ice	0.13	0.13	0.00
			0.00			1/2"	0.18	0.18	0.00
						Ice	0.23	0.23	0.00
						1" Ice			

Load Combinations

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	160 - 155	Pole	Max Tension	14	0.00	0.00	0.00
			Max. Compression	26	-8.07	-0.00	-0.01
			Max. Mx	8	-3.91	-12.09	-0.00
			Max. My	14	-3.91	-0.00	-12.09
			Max. Vy	8	4.71	-12.09	-0.00
			Max. Vx	14	4.71	-0.00	-12.09
			Max. Torque	20			-0.00
L2	155 - 150	Pole	Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L3	150 - 145	Pole	Max. Compression	26	-8.61	-0.00	-0.03
			Max. Mx	8	-4.27	-36.54	-0.01
			Max. My	14	-4.27	-0.00	-36.54
			Max. Vy	8	5.08	-36.54	-0.01
			Max. Vx	14	5.08	-0.00	-36.54
			Max. Torque	20			-0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-16.91	-0.00	-0.05
			Max. Mx	8	-8.16	-84.95	-0.01
			Max. My	14	-8.16	-0.00	-84.96
L4	145 - 140	Pole	Max. Vy	8	9.90	-84.95	-0.01
			Max. Vx	14	9.91	-0.00	-84.96
			Max. Torque	20			-0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-17.55	-0.01	-0.07
			Max. Mx	8	-8.62	-135.44	-0.02
			Max. My	14	-8.62	-0.00	-135.46
			Max. Vy	8	10.30	-135.44	-0.02
			Max. Vx	14	10.30	-0.00	-135.46
			Max. Torque	20			-0.00
L5	140 - 135	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.51	-0.49	-1.53
			Max. Mx	8	-13.10	-222.07	-0.95
			Max. My	14	-13.09	-0.02	-223.15
			Max. Vy	8	16.63	-222.07	-0.95
			Max. Vx	14	16.65	-0.02	-223.15
			Max. Torque	18			0.54
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-28.27	-0.49	-1.56
			Max. Mx	8	-13.70	-306.18	-0.88
L6	135 - 130	Pole	Max. My	14	-13.70	0.06	-307.37
			Max. Vy	8	17.03	-306.18	-0.88
			Max. Vx	14	17.05	0.06	-307.37
			Max. Torque	18			0.54
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33.96	-0.27	-1.47
			Max. Mx	8	-17.34	-403.02	-0.81
			Max. My	14	-17.33	0.16	-404.31
			Max. Vy	8	20.13	-403.02	-0.81
			Max. Vx	14	20.14	0.16	-404.31
L7	130 - 125	Pole	Max. Torque	18			0.54
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.79	-0.27	-1.50
			Max. Mx	8	-18.03	-504.59	-0.80
			Max. My	14	-18.03	0.18	-505.94
			Max. Vy	8	20.52	-504.59	-0.80
			Max. Vx	14	20.53	0.18	-505.94
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.51	-0.27	-1.51
L8	125 - 120	Pole	Max. Mx	8	-18.64	-587.25	-0.79
			Max. My	14	-18.64	0.20	-588.65
			Max. Vy	8	20.83	-587.25	-0.79
			Max. Vx	14	20.84	0.20	-588.65
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.30	-0.27	-1.52
			Max. Mx	8	-23.84	-711.11	-0.78
			Max. My	14	-23.84	0.22	-712.56
			Max. Vy	8	24.39	-711.11	-0.78
L9	120 - 111.333	Pole	Max. Vx	14	24.40	0.22	-712.56
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.45	-0.27	-1.53
			Max. Mx	8	-24.86	-834.02	-0.76
			Max. My	14	-24.86	0.25	-835.53
			Max. Vy	8	24.80	-834.02	-0.76
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.45	-0.27	-1.53
L10	111.333 - 111	Pole	Max. Mx	8	-24.86	-834.02	-0.76
			Max. My	14	-24.86	0.25	-835.53
			Max. Vy	8	24.80	-834.02	-0.76
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.45	-0.27	-1.53
			Max. Mx	8	-24.86	-834.02	-0.76
			Max. My	14	-24.86	0.25	-835.53
			Max. Vy	8	24.80	-834.02	-0.76
			Max. Torque	18			0.41
L11	111 - 106	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.45	-0.27	-1.53
			Max. Mx	8	-24.86	-834.02	-0.76
			Max. My	14	-24.86	0.25	-835.53
			Max. Vy	8	24.80	-834.02	-0.76
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.45	-0.27	-1.53
			Max. Mx	8	-24.86	-834.02	-0.76
			Max. My	14	-24.86	0.25	-835.53

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L12	106 - 101	Pole	Max. Vx	14	24.81	0.25	-835.53
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.65	-0.27	-1.54
			Max. Mx	8	-25.93	-958.98	-0.75
			Max. My	14	-25.92	0.27	-960.53
			Max. Vy	8	25.21	-958.98	-0.75
L13	101 - 96	Pole	Max. Vx	14	25.22	0.27	-960.53
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.87	-0.27	-1.55
			Max. Mx	8	-27.02	-1085.96	-0.74
			Max. My	14	-27.02	0.29	-1087.57
			Max. Vy	8	25.61	-1085.96	-0.74
L14	96 - 91	Pole	Max. Vx	14	25.62	0.29	-1087.57
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-49.13	-0.27	-1.57
			Max. Mx	8	-28.15	-1214.98	-0.72
			Max. My	14	-28.15	0.32	-1216.65
			Max. Vy	8	26.02	-1214.98	-0.72
L15	91 - 86	Pole	Max. Vx	14	26.03	0.32	-1216.65
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.47	-0.27	-1.58
			Max. Mx	8	-29.30	-1346.03	-0.70
			Max. My	14	-29.30	0.34	-1347.75
			Max. Vy	8	26.43	-1346.03	-0.70
L16	86 - 85.75	Pole	Max. Vx	14	26.44	0.34	-1347.75
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.55	-0.27	-1.58
			Max. Mx	8	-29.39	-1352.64	-0.70
			Max. My	14	-29.39	0.34	-1354.36
			Max. Vy	8	26.45	-1352.64	-0.70
L17	85.75 - 81	Pole	Max. Vx	14	26.46	0.34	-1354.36
			Max. Torque	18			0.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.35	-0.27	-1.77
			Max. Mx	8	-30.88	-1479.39	-0.75
			Max. My	14	-30.88	0.36	-1481.18
			Max. Vy	8	26.94	-1479.39	-0.75
L18	81 - 80.75	Pole	Max. Vx	14	26.93	0.36	-1481.18
			Max. Torque	18			0.52
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.43	-0.27	-1.77
			Max. Mx	8	-30.95	-1486.13	-0.75
			Max. My	14	-30.95	0.36	-1487.91
			Max. Vy	8	26.96	-1486.13	-0.75
L19	80.75 - 80.5	Pole	Max. Vx	14	26.95	0.36	-1487.91
			Max. Torque	18			0.52
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.52	-0.27	-1.77
			Max. Mx	8	-31.02	-1492.87	-0.75
			Max. My	14	-31.02	0.37	-1494.65
			Max. Vy	8	26.98	-1492.87	-0.75
L20	80.5 - 73.25	Pole	Max. Vx	14	26.97	0.37	-1494.65
			Max. Torque	18			0.52
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.97	-0.27	-1.78
			Max. Mx	8	-31.40	-1533.41	-0.75
			Max. My	14	-31.40	0.37	-1535.18
			Max. Vy	8	27.11	-1533.41	-0.75
L21	73.25 - 72.25	Pole	Max. Vx	14	27.10	0.37	-1535.18
			Max. Torque	18			0.52
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56.46	-0.27	-1.79
			Max. Mx	8	-34.29	-1718.71	-0.72

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L22	72.25 - 67.25	Pole	Max. My	14	-34.29	0.40	-1720.42
			Max. Vy	20	-27.81	1718.56	-1.67
			Max. Vx	14	27.80	0.40	-1720.42
			Max. Torque	18			0.52
			Max Tension	1	0.00	0.00	0.00
L23	67.25 - 62.25	Pole	Max. Compression	26	-58.01	-0.27	-1.81
			Max. Mx	8	-35.70	-1858.70	-0.71
			Max. My	14	-35.70	0.43	-1860.37
			Max. Vy	20	-28.22	1858.55	-1.70
			Max. Vx	14	28.21	0.43	-1860.37
L24	62.25 - 57.25	Pole	Max. Torque	18			0.52
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-59.60	-0.27	-1.82
			Max. Mx	8	-37.14	-2000.73	-0.69
			Max. My	14	-37.14	0.45	-2002.36
L25	57.25 - 52.25	Pole	Max. Vy	20	-28.63	2000.58	-1.73
			Max. Vx	14	28.62	0.45	-2002.36
			Max. Torque	18			0.52
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-61.23	-0.27	-1.84
L26	52.25 - 49.83	Pole	Max. Mx	8	-38.61	-2144.77	-0.67
			Max. My	14	-38.61	0.47	-2146.36
			Max. Vy	20	-29.03	2144.63	-1.76
			Max. Vx	14	29.02	0.47	-2146.36
			Max. Torque	18			0.52
L27	49.83 - 49.58	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.90	-0.27	-1.85
			Max. Mx	8	-40.13	-2290.81	-0.66
			Max. My	14	-40.13	0.50	-2292.35
			Max. Vy	20	-29.42	2290.66	-1.79
L28	49.58 - 44.58	Pole	Max. Vx	14	29.41	0.50	-2292.35
			Max. Torque	18			0.52
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.94	-0.27	-1.86
			Max. Mx	8	-41.04	-2362.20	-0.65
L29	44.58 - 36.3333	Pole	Max. My	14	-41.04	0.51	-2363.73
			Max. Vy	20	-29.62	2362.05	-1.80
			Max. Vx	14	29.61	0.51	-2363.73
			Max. Torque	18			0.52
			Max Tension	1	0.00	0.00	0.00
L30	36.3333 -	Pole	Max. Compression	26	-64.05	-0.27	-1.86
			Max. Mx	8	-41.15	-2369.60	-0.65
			Max. My	14	-41.15	0.51	-2371.13
			Max. Vy	20	-29.63	2369.45	-1.80
			Max. Vx	14	29.62	0.51	-2371.13
L30	36.3333 -	Pole	Max. Torque	18			0.52
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.23	-0.27	-1.88
			Max. Mx	8	-43.07	-2518.67	-0.63
			Max. My	14	-43.07	0.53	-2520.15
L30	36.3333 -	Pole	Max. Vy	20	-30.03	2518.52	-1.83
			Max. Vx	14	30.02	0.53	-2520.15
			Max. Torque	18			0.52
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.92	-0.27	-1.88
L30	36.3333 -	Pole	Max. Mx	8	-43.68	-2566.17	-0.62
			Max. My	14	-43.68	0.54	-2567.64
			Max. Vy	20	-30.15	2566.03	-1.84
			Max. Vx	14	30.14	0.54	-2567.64
			Max. Torque	18			0.52
L30	36.3333 -	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.92	-0.27	-1.88

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L31	35.3333 - 32.25	Pole	Max. Compression	26	-72.57	-0.00	-1.75
			Max. Mx	20	-48.50	2800.29	-1.77
			Max. My	14	-48.50	0.77	-2801.53
			Max. Vy	20	-30.92	2800.29	-1.77
			Max. Vx	14	30.91	0.77	-2801.53
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.01	-0.00	-1.76
			Max. Mx	20	-49.78	2895.89	-1.78
			Max. My	14	-49.78	0.79	-2897.09
			Max. Vy	20	-31.13	2895.89	-1.78
			Max. Vx	14	31.12	0.79	-2897.09
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
L32	32.25 - 32	Pole	Max. Compression	26	-74.13	-0.00	-1.76
			Max. Mx	20	-49.89	2903.67	-1.79
			Max. My	14	-49.89	0.79	-2904.87
			Max. Vy	20	-31.14	2903.67	-1.79
			Max. Vx	14	31.13	0.79	-2904.87
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-76.49	-0.00	-1.78
			Max. Mx	20	-52.00	3060.13	-1.81
			Max. My	14	-52.00	0.81	-3061.29
			Max. Vy	20	-31.48	3060.13	-1.81
			Max. Vx	14	31.47	0.81	-3061.29
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
L33	32 - 27	Pole	Max. Compression	26	-78.89	-0.00	-1.79
			Max. Mx	20	-54.15	3218.25	-1.84
			Max. My	14	-54.15	0.83	-3219.36
			Max. Vy	20	-31.81	3218.25	-1.84
			Max. Vx	14	31.80	0.83	-3219.36
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-81.33	-0.00	-1.81
			Max. Mx	20	-56.34	3378.03	-1.86
			Max. My	14	-56.34	0.86	-3379.10
			Max. Vy	20	-32.14	3378.03	-1.86
			Max. Vx	14	32.13	0.86	-3379.10
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
L34	27 - 22	Pole	Max. Compression	26	-82.12	-0.00	-1.81
			Max. Mx	20	-57.04	3426.29	-1.87
			Max. My	14	-57.04	0.86	-3427.35
			Max. Vy	20	-32.25	3426.29	-1.87
			Max. Vx	14	32.24	0.86	-3427.35
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.26	-0.00	-1.81
			Max. Mx	20	-57.18	3434.35	-1.87
			Max. My	14	-57.18	0.86	-3435.40
			Max. Vy	20	-32.25	3434.35	-1.87
			Max. Vx	14	32.24	0.86	-3435.40
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
L35	22 - 17	Pole	Max. Compression	26	-82.53	-0.00	-1.81
			Max. Mx	20	-57.41	3450.48	-1.88
			Max. My	14	-57.41	0.87	-3451.53
			Max. Vy	20	-32.29	3450.48	-1.88
			Max. Vx	14	32.28	0.87	-3451.53
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.66	-0.00	-1.81
			Max. Mx	20	-57.54	3458.55	-1.88
			Max. My	14	-57.54	0.87	-3459.60
			Max. Vy	20	-32.29	3458.55	-1.88
			Max. Vx	14	32.28	0.87	-3459.60
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
L36	17 - 15.5	Pole	Max. Compression	26	-82.66	-0.00	-1.81
			Max. Mx	20	-57.54	3458.55	-1.88
			Max. My	14	-57.54	0.87	-3459.60
			Max. Vy	20	-32.29	3458.55	-1.88
			Max. Vx	14	32.28	0.87	-3459.60
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.66	-0.00	-1.81
			Max. Mx	20	-57.54	3458.55	-1.88
			Max. My	14	-57.54	0.87	-3459.60
			Max. Vy	20	-32.29	3458.55	-1.88
			Max. Vx	14	32.28	0.87	-3459.60
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
L37	15.5 - 15.25	Pole	Max. Compression	26	-82.66	-0.00	-1.81
			Max. Mx	20	-57.54	3458.55	-1.88
			Max. My	14	-57.54	0.87	-3459.60
			Max. Vy	20	-32.29	3458.55	-1.88
			Max. Vx	14	32.28	0.87	-3459.60
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.66	-0.00	-1.81
			Max. Mx	20	-57.54	3458.55	-1.88
			Max. My	14	-57.54	0.87	-3459.60
			Max. Vy	20	-32.29	3458.55	-1.88
			Max. Vx	14	32.28	0.87	-3459.60
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
L38	15.25 - 14.75	Pole	Max. Compression	26	-82.66	-0.00	-1.81
			Max. Mx	20	-57.54	3458.55	-1.88
			Max. My	14	-57.54	0.87	-3459.60
			Max. Vy	20	-32.29	3458.55	-1.88
			Max. Vx	14	32.28	0.87	-3459.60
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.66	-0.00	-1.81
			Max. Mx	20	-57.54	3458.55	-1.88
			Max. My	14	-57.54	0.87	-3459.60
			Max. Vy	20	-32.29	3458.55	-1.88
			Max. Vx	14	32.28	0.87	-3459.60
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
L39	14.75 - 14.5	Pole	Max. Compression	26	-82.66	-0.00	-1.81
			Max. Mx	20	-57.54	3458.55	-1.88
			Max. My	14	-57.54	0.87	-3459.60
			Max. Vy	20	-32.29	3458.55	-1.88
			Max. Vx	14	32.28	0.87	-3459.60
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.66	-0.00	-1.81
			Max. Mx	20	-57.54	3458.55	-1.88
			Max. My	14	-57.54	0.87	-3459.60
			Max. Vy	20	-32.29	3458.55	-1.88
			Max. Vx	14	32.28	0.87	-3459.60
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L40	14.5 - 9.5	Pole	Max. Vy	20	-32.30	3458.55	-1.88
			Max. Vx	14	32.29	0.87	-3459.60
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.13	-0.00	-1.83
			Max. Mx	20	-59.75	3620.84	-1.90
			Max. My	14	-59.75	0.89	-3621.85
			Max. Vy	20	-32.65	3620.84	-1.90
L41	9.5 - 4.5	Pole	Max. Vx	14	32.64	0.89	-3621.85
			Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-87.42	-0.00	-1.83
			Max. Mx	20	-61.84	3784.82	-1.92
			Max. My	14	-61.84	0.91	-3785.78
			Max. Vy	20	-32.98	3784.82	-1.92
			Max. Vx	14	32.97	0.91	-3785.78
L42	4.5 - 0	Pole	Max. Torque	18			0.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-89.40	0.00	-1.83
			Max. Mx	20	-63.68	3933.85	-1.94
			Max. My	14	-63.68	0.93	-3934.76
			Max. Vy	20	-33.29	3933.85	-1.94
			Max. Vx	14	33.28	0.93	-3934.76
			Max. Torque	18			0.42

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	89.40	0.01	-0.00
	Max. H _x	20	63.70	33.27	-0.00
	Max. H _z	2	63.70	-0.00	33.26
	Max. M _x	2	3932.48	-0.00	33.26
	Max. M _z	8	3933.59	-33.27	0.00
	Max. Torsion	18	0.42	28.81	-16.63
	Min. Vert	25	47.77	16.63	28.80
	Min. H _x	8	63.70	-33.27	0.00
	Min. H _z	14	63.70	0.00	-33.26
	Min. M _x	14	-3934.76	0.00	-33.26
	Min. M _z	20	-3933.85	33.27	-0.00
	Min. Torsion	6	-0.42	-28.81	16.63

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturing Moment, M _x kip-ft	Overturing Moment, M _z kip-ft	Torque kip-ft
Dead Only	53.08	0.00	0.00	0.85	0.11	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	63.70	0.00	-33.26	-3932.48	-0.67	0.14
0.9 Dead+1.0 Wind 0 deg - No Ice	47.77	0.00	-33.26	-3875.80	-0.69	0.13
1.2 Dead+1.0 Wind 30 deg - No Ice	63.70	16.64	-28.81	-3405.88	-1967.42	0.32
0.9 Dead+1.0 Wind 30 deg - No Ice	47.77	16.64	-28.81	-3356.82	-1938.95	0.30
1.2 Dead+1.0 Wind 60 deg - No Ice	63.70	28.81	-16.63	-1966.36	-3406.97	0.42
0.9 Dead+1.0 Wind 60 deg - No Ice	47.77	28.81	-16.63	-1938.16	-3357.65	0.39

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
1.2 Dead+1.0 Wind 90 deg - No Ice	63.70	33.27	-0.00	0.35	-3933.59	0.41
0.9 Dead+1.0 Wind 90 deg - No Ice	47.77	33.27	-0.00	0.05	-3876.64	0.38
1.2 Dead+1.0 Wind 120 deg - No Ice	63.70	28.81	16.63	1967.27	-3406.18	0.29
0.9 Dead+1.0 Wind 120 deg - No Ice	47.77	28.81	16.63	1938.47	-3356.87	0.27
1.2 Dead+1.0 Wind 150 deg - No Ice	63.70	16.63	28.80	3407.37	-1966.04	0.10
0.9 Dead+1.0 Wind 150 deg - No Ice	47.77	16.63	28.80	3357.70	-1937.59	0.08
1.2 Dead+1.0 Wind 180 deg - No Ice	63.70	-0.00	33.26	3934.76	0.93	-0.13
0.9 Dead+1.0 Wind 180 deg - No Ice	47.77	-0.00	33.26	3877.46	0.88	-0.12
1.2 Dead+1.0 Wind 210 deg - No Ice	63.70	-16.64	28.81	3408.16	1967.68	-0.32
0.9 Dead+1.0 Wind 210 deg - No Ice	47.77	-16.64	28.81	3358.48	1939.14	-0.30
1.2 Dead+1.0 Wind 240 deg - No Ice	63.70	-28.81	16.63	1968.65	3407.23	-0.42
0.9 Dead+1.0 Wind 240 deg - No Ice	47.77	-28.81	16.63	1939.83	3357.84	-0.40
1.2 Dead+1.0 Wind 270 deg - No Ice	63.70	-33.27	0.00	1.94	3933.85	-0.41
0.9 Dead+1.0 Wind 270 deg - No Ice	47.77	-33.27	0.00	1.62	3876.84	-0.39
1.2 Dead+1.0 Wind 300 deg - No Ice	63.70	-28.81	-16.63	-1964.98	3406.44	-0.29
0.9 Dead+1.0 Wind 300 deg - No Ice	47.77	-28.81	-16.63	-1936.81	3357.06	-0.27
1.2 Dead+1.0 Wind 330 deg - No Ice	63.70	-16.63	-28.80	-3405.08	1966.30	-0.09
0.9 Dead+1.0 Wind 330 deg - No Ice	47.77	-16.63	-28.80	-3356.04	1937.79	-0.08
1.2 Dead+1.0 Ice+1.0 Temp	89.40	-0.01	0.00	1.83	0.00	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	89.40	0.00	-8.23	-1010.20	-0.18	0.03
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	89.40	4.12	-7.13	-874.66	-506.42	0.08
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	89.40	7.13	-4.12	-504.21	-876.96	0.11
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	89.40	8.23	-0.00	1.90	-1012.53	0.11
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	89.40	7.13	4.11	508.05	-876.80	0.08
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	89.40	4.12	7.13	878.61	-506.14	0.03
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	89.40	-0.00	8.23	1014.31	0.14	-0.03
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	89.40	-4.12	7.13	878.77	506.37	-0.08
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	89.40	-7.13	4.12	508.32	876.91	-0.11
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	89.40	-8.23	0.00	2.22	1012.48	-0.11
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	89.40	-7.13	-4.11	-503.93	876.75	-0.08
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	89.40	-4.12	-7.13	-874.50	506.09	-0.03
Dead+Wind 0 deg - Service	53.08	0.00	-8.38	-982.61	-0.09	0.03
Dead+Wind 30 deg - Service	53.08	4.19	-7.26	-850.94	-491.85	0.08
Dead+Wind 60 deg - Service	53.08	7.26	-4.19	-491.01	-851.79	0.10
Dead+Wind 90 deg - Service	53.08	8.39	-0.00	0.74	-983.46	0.10
Dead+Wind 120 deg - Service	53.08	7.26	4.19	492.54	-851.59	0.07
Dead+Wind 150 deg - Service	53.08	4.19	7.26	852.62	-491.51	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
Dead+Wind 180 deg - Service	53.08	-0.00	8.38	984.49	0.31	-0.03
Dead+Wind 210 deg - Service	53.08	-4.19	7.26	852.82	492.07	-0.08
Dead+Wind 240 deg - Service	53.08	-7.26	4.19	492.89	852.01	-0.10
Dead+Wind 270 deg - Service	53.08	-8.39	0.00	1.14	983.68	-0.10
Dead+Wind 300 deg - Service	53.08	-7.26	-4.19	-490.66	851.81	-0.07
Dead+Wind 330 deg - Service	53.08	-4.19	-7.26	-850.74	491.72	-0.02

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-53.08	0.00	0.00	53.08	0.00	0.000%
2	0.00	-63.70	-33.26	-0.00	63.70	33.26	0.000%
3	0.00	-47.77	-33.26	-0.00	47.77	33.26	0.000%
4	16.64	-63.70	-28.81	-16.64	63.70	28.81	0.000%
5	16.64	-47.77	-28.81	-16.64	47.77	28.81	0.000%
6	28.81	-63.70	-16.63	-28.81	63.70	16.63	0.000%
7	28.81	-47.77	-16.63	-28.81	47.77	16.63	0.000%
8	33.27	-63.70	-0.00	-33.27	63.70	0.00	0.000%
9	33.27	-47.77	-0.00	-33.27	47.77	0.00	0.000%
10	28.81	-63.70	16.63	-28.81	63.70	-16.63	0.000%
11	28.81	-47.77	16.63	-28.81	47.77	-16.63	0.000%
12	16.63	-63.70	28.80	-16.63	63.70	-28.80	0.000%
13	16.63	-47.77	28.80	-16.63	47.77	-28.80	0.000%
14	-0.00	-63.70	33.26	0.00	63.70	-33.26	0.000%
15	-0.00	-47.77	33.26	0.00	47.77	-33.26	0.000%
16	-16.64	-63.70	28.81	16.64	63.70	-28.81	0.000%
17	-16.64	-47.77	28.81	16.64	47.77	-28.81	0.000%
18	-28.81	-63.70	16.63	28.81	63.70	-16.63	0.000%
19	-28.81	-47.77	16.63	28.81	47.77	-16.63	0.000%
20	-33.27	-63.70	0.00	33.27	63.70	-0.00	0.000%
21	-33.27	-47.77	0.00	33.27	47.77	-0.00	0.000%
22	-28.81	-63.70	-16.63	28.81	63.70	16.63	0.000%
23	-28.81	-47.77	-16.63	28.81	47.77	16.63	0.000%
24	-16.63	-63.70	-28.80	16.63	63.70	28.80	0.000%
25	-16.63	-47.77	-28.80	16.63	47.77	28.80	0.000%
26	0.00	-89.40	0.00	0.01	89.40	-0.00	0.014%
27	0.00	-89.40	-8.23	-0.00	89.40	8.23	0.000%
28	4.12	-89.40	-7.13	-4.12	89.40	7.13	0.000%
29	7.13	-89.40	-4.12	-7.13	89.40	4.12	0.000%
30	8.23	-89.40	-0.00	-8.23	89.40	0.00	0.000%
31	7.13	-89.40	4.11	-7.13	89.40	-4.11	0.000%
32	4.12	-89.40	7.13	-4.12	89.40	-7.13	0.000%
33	-0.00	-89.40	8.23	0.00	89.40	-8.23	0.000%
34	-4.12	-89.40	7.13	4.12	89.40	-7.13	0.000%
35	-7.13	-89.40	4.12	7.13	89.40	-4.12	0.000%
36	-8.23	-89.40	0.00	8.23	89.40	-0.00	0.000%
37	-7.13	-89.40	-4.11	7.13	89.40	4.11	0.000%
38	-4.12	-89.40	-7.13	4.12	89.40	7.13	0.000%
39	0.00	-53.08	-8.38	-0.00	53.08	8.38	0.000%
40	4.19	-53.08	-7.26	-4.19	53.08	7.26	0.000%
41	7.26	-53.08	-4.19	-7.26	53.08	4.19	0.000%
42	8.39	-53.08	-0.00	-8.39	53.08	0.00	0.000%
43	7.26	-53.08	4.19	-7.26	53.08	-4.19	0.000%
44	4.19	-53.08	7.26	-4.19	53.08	-7.26	0.000%
45	-0.00	-53.08	8.38	0.00	53.08	-8.38	0.000%
46	-4.19	-53.08	7.26	4.19	53.08	-7.26	0.000%
47	-7.26	-53.08	4.19	7.26	53.08	-4.19	0.000%
48	-8.39	-53.08	0.00	8.39	53.08	-0.00	0.000%

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
49	-7.26	-53.08	-4.19	7.26	53.08	4.19	0.000%
50	-4.19	-53.08	-7.26	4.19	53.08	7.26	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	0.00055157
3	Yes	5	0.00000001	0.00020765
4	Yes	7	0.00000001	0.00013496
5	Yes	6	0.00000001	0.00067753
6	Yes	7	0.00000001	0.00013343
7	Yes	6	0.00000001	0.00066985
8	Yes	5	0.00000001	0.00060988
9	Yes	5	0.00000001	0.00023658
10	Yes	7	0.00000001	0.00013486
11	Yes	6	0.00000001	0.00067664
12	Yes	7	0.00000001	0.00013432
13	Yes	6	0.00000001	0.00067411
14	Yes	5	0.00000001	0.00054281
15	Yes	5	0.00000001	0.00020202
16	Yes	7	0.00000001	0.00013384
17	Yes	6	0.00000001	0.00067158
18	Yes	7	0.00000001	0.00013536
19	Yes	6	0.00000001	0.00067914
20	Yes	5	0.00000001	0.00062989
21	Yes	5	0.00000001	0.00024752
22	Yes	7	0.00000001	0.00013364
23	Yes	6	0.00000001	0.00067098
24	Yes	7	0.00000001	0.00013420
25	Yes	6	0.00000001	0.00067364
26	Yes	4	0.00000001	0.00030605
27	Yes	7	0.00000001	0.00013879
28	Yes	7	0.00000001	0.00016659
29	Yes	7	0.00000001	0.00016637
30	Yes	7	0.00000001	0.00013948
31	Yes	7	0.00000001	0.00016781
32	Yes	7	0.00000001	0.00016773
33	Yes	7	0.00000001	0.00014000
34	Yes	7	0.00000001	0.00016755
35	Yes	7	0.00000001	0.00016776
36	Yes	7	0.00000001	0.00013931
37	Yes	7	0.00000001	0.00016614
38	Yes	7	0.00000001	0.00016623
39	Yes	5	0.00000001	0.00010878
40	Yes	5	0.00000001	0.00055141
41	Yes	5	0.00000001	0.00053675
42	Yes	5	0.00000001	0.00011019
43	Yes	5	0.00000001	0.00055275
44	Yes	5	0.00000001	0.00054740
45	Yes	5	0.00000001	0.00010924
46	Yes	5	0.00000001	0.00054232
47	Yes	5	0.00000001	0.00055700
48	Yes	5	0.00000001	0.00011027
49	Yes	5	0.00000001	0.00053911
50	Yes	5	0.00000001	0.00054447

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	27.866	45	1.5796	0.0008
L2	155 - 150	26.212	45	1.5783	0.0008
L3	150 - 145	24.564	45	1.5696	0.0008
L4	145 - 140	22.929	45	1.5512	0.0008
L5	140 - 135	21.319	45	1.5223	0.0008
L6	135 - 130	19.745	45	1.4811	0.0007
L7	130 - 125	18.221	45	1.4283	0.0006
L8	125 - 120	16.757	45	1.3669	0.0005
L9	120 - 111.333	15.361	45	1.2978	0.0005
L10	116 - 111	14.299	45	1.2384	0.0004
L11	111 - 106	13.020	45	1.2020	0.0004
L12	106 - 101	11.794	45	1.1374	0.0003
L13	101 - 96	10.638	45	1.0705	0.0003
L14	96 - 91	9.553	45	1.0022	0.0003
L15	91 - 86	8.540	45	0.9330	0.0002
L16	86 - 85.75	7.599	46	0.8634	0.0002
L17	85.75 - 81	7.554	46	0.8611	0.0002
L18	81 - 80.75	6.720	46	0.8156	0.0002
L19	80.75 - 80.5	6.678	46	0.8122	0.0002
L20	80.5 - 73.25	6.635	46	0.8087	0.0002
L21	79 - 72.25	6.384	46	0.7879	0.0002
L22	72.25 - 67.25	5.302	46	0.7381	0.0002
L23	67.25 - 62.25	4.561	46	0.6771	0.0001
L24	62.25 - 57.25	3.884	46	0.6169	0.0001
L25	57.25 - 52.25	3.269	46	0.5576	0.0001
L26	52.25 - 49.83	2.716	46	0.4993	0.0001
L27	49.83 - 49.58	2.470	46	0.4715	0.0001
L28	49.58 - 44.58	2.445	46	0.4686	0.0001
L29	44.58 - 36.3333	1.984	46	0.4119	0.0001
L30	43 - 35.3333	1.851	46	0.3942	0.0001
L31	35.3333 - 32.25	1.251	46	0.3472	0.0001
L32	32.25 - 32	1.038	46	0.3147	0.0000
L33	32 - 27	1.021	46	0.3121	0.0000
L34	27 - 22	0.722	46	0.2604	0.0000
L35	22 - 17	0.476	46	0.2097	0.0000
L36	17 - 15.5	0.282	46	0.1602	0.0000
L37	15.5 - 15.25	0.234	46	0.1457	0.0000
L38	15.25 - 14.75	0.226	46	0.1433	0.0000
L39	14.75 - 14.5	0.212	46	0.1385	0.0000
L40	14.5 - 9.5	0.204	46	0.1360	0.0000
L41	9.5 - 4.5	0.087	46	0.0881	0.0000
L42	4.5 - 0	0.019	46	0.0413	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
157.00	Platform Mount [13' LP 713-1]	45	26.873	1.5794	0.0008	60110
149.00	Platform Mount [13' LP 713-1]	45	24.235	1.5668	0.0008	18861
139.00	Platform Mount [LP 713-1_KCKR]	45	21.001	1.5151	0.0008	7738
129.00	Commscope MC-PK8-DSH	45	17.923	1.4166	0.0006	4893
116.00	Platform Mount [LP 712-1]	45	14.299	1.2384	0.0004	5317
84.00	Side Arm Mount [4' SO 702-1]	46	7.242	0.8462	0.0002	5356
40.00	Pipe Mount [PM 601-1]	46	1.606	0.3735	0.0001	8586

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	111.381	14	6.3177	0.0034
L2	155 - 150	104.779	14	6.3127	0.0034
L3	150 - 145	98.197	14	6.2777	0.0034
L4	145 - 140	91.671	14	6.2040	0.0034
L5	140 - 135	85.244	14	6.0879	0.0034
L6	135 - 130	78.961	14	5.9243	0.0029
L7	130 - 125	72.874	14	5.7151	0.0025
L8	125 - 120	67.023	14	5.4705	0.0021
L9	120 - 111.333	61.445	14	5.1947	0.0019
L10	116 - 111	57.198	14	4.9574	0.0017
L11	111 - 106	52.083	14	4.8120	0.0015
L12	106 - 101	47.184	14	4.5537	0.0014
L13	101 - 96	42.560	14	4.2861	0.0012
L14	96 - 91	38.219	14	4.0125	0.0011
L15	91 - 86	34.165	14	3.7354	0.0010
L16	86 - 85.75	30.402	14	3.4568	0.0009
L17	85.75 - 81	30.222	14	3.4474	0.0009
L18	81 - 80.75	26.885	14	3.2653	0.0008
L19	80.75 - 80.5	26.714	14	3.2515	0.0008
L20	80.5 - 73.25	26.545	14	3.2376	0.0008
L21	79 - 72.25	25.541	14	3.1543	0.0008
L22	72.25 - 67.25	21.210	14	2.9549	0.0007
L23	67.25 - 62.25	18.246	16	2.7104	0.0006
L24	62.25 - 57.25	15.535	16	2.4693	0.0005
L25	57.25 - 52.25	13.076	16	2.2318	0.0004
L26	52.25 - 49.83	10.862	16	1.9983	0.0004
L27	49.83 - 49.58	9.878	16	1.8867	0.0003
L28	49.58 - 44.58	9.779	16	1.8753	0.0003
L29	44.58 - 36.3333	7.935	16	1.6482	0.0003
L30	43 - 35.3333	7.402	16	1.5773	0.0003
L31	35.3333 - 32.25	5.005	16	1.3892	0.0002
L32	32.25 - 32	4.150	16	1.2591	0.0002
L33	32 - 27	4.084	16	1.2486	0.0002
L34	27 - 22	2.886	16	1.0415	0.0002
L35	22 - 17	1.901	16	0.8388	0.0001
L36	17 - 15.5	1.127	16	0.6407	0.0001
L37	15.5 - 15.25	0.935	16	0.5827	0.0001
L38	15.25 - 14.75	0.905	16	0.5730	0.0001
L39	14.75 - 14.5	0.846	16	0.5536	0.0001
L40	14.5 - 9.5	0.817	16	0.5440	0.0001
L41	9.5 - 4.5	0.348	16	0.3523	0.0000
L42	4.5 - 0	0.078	16	0.1650	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
157.00	Platform Mount [13' LP 713-1]	14	107.419	6.3169	0.0034	15332
149.00	Platform Mount [13' LP 713-1]	14	96.886	6.2662	0.0034	4804
139.00	Platform Mount [LP 713-1_KCKR]	14	83.974	6.0590	0.0033	1984
129.00	Commscope MC-PK8-DSH	14	71.684	5.6683	0.0024	1252
116.00	Platform Mount [LP 712-1]	14	57.198	4.9574	0.0017	1350
84.00	Side Arm Mount [4' SO 702-1]	14	28.971	3.3879	0.0009	1346
40.00	Pipe Mount [PM 601-1]	16	6.425	1.4944	0.0002	2147

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)	TP20.801x19.6x0.25	5.00	0.00	0.0	16.543 6	-3.91	967.80	0.004
L2	155 - 150 (2)	TP22.0021x20.801x0.25	5.00	0.00	0.0	17.510 4	-4.27	1024.36	0.004
L3	150 - 145 (3)	TP23.2031x22.0021x0.25	5.00	0.00	0.0	18.477 2	-8.16	1080.92	0.008
L4	145 - 140 (4)	TP24.4041x23.2031x0.25	5.00	0.00	0.0	19.444 1	-8.62	1137.48	0.008
L5	140 - 135 (5)	TP25.6051x24.4041x0.25	5.00	0.00	0.0	20.410 9	-13.09	1194.04	0.011
L6	135 - 130 (6)	TP26.8062x25.6051x0.25	5.00	0.00	0.0	21.377 7	-13.70	1250.60	0.011
L7	130 - 125 (7)	TP28.0072x26.8062x0.25	5.00	0.00	0.0	22.344 5	-17.33	1307.16	0.013
L8	125 - 120 (8)	TP29.2082x28.0072x0.25	5.00	0.00	0.0	23.311 4	-18.03	1363.71	0.013
L9	120 - 111.333 (9)	TP31.29x29.2082x0.25	8.67	0.00	0.0	24.084 8	-18.64	1408.96	0.013
L10	111.333 - 111 (10)	TP30.867x29.669x0.3438	5.00	0.00	0.0	33.785 5	-23.84	1976.45	0.012
L11	111 - 106 (11)	TP32.065x30.867x0.3438	5.00	0.00	0.0	35.111 5	-24.86	2054.02	0.012
L12	106 - 101 (12)	TP33.2631x32.065x0.343 8	5.00	0.00	0.0	36.437 6	-25.92	2131.60	0.012
L13	101 - 96 (13)	TP34.4611x33.2631x0.34 38	5.00	0.00	0.0	37.763 6	-27.02	2209.17	0.012
L14	96 - 91 (14)	TP35.6591x34.4611x0.34 38	5.00	0.00	0.0	39.089 6	-28.15	2286.74	0.012
L15	91 - 86 (15)	TP36.8571x35.6591x0.34 38	5.00	0.00	0.0	40.415 7	-29.30	2364.32	0.012
L16	86 - 85.75 (16)	TP36.917x36.8571x0.512 5	0.25	0.00	0.0	60.076 5	-29.39	3514.48	0.008
L17	85.75 - 81 (17)	TP38.0551x36.917x0.506 3	4.75	0.00	0.0	61.209 3	-30.88	3580.74	0.009
L18	81 - 80.75 (18)	TP38.115x38.0551x0.343 8	0.25	0.00	0.0	41.808 0	-30.95	2445.77	0.013
L19	80.75 - 80.5 (19)	TP38.1749x38.115x0.343 8	0.25	0.00	0.0	41.874 3	-31.02	2449.65	0.013
L20	80.5 - 73.25 (20)	TP39.912x38.1749x0.343 8	7.25	0.00	0.0	42.272 2	-31.40	2472.92	0.013
L21	73.25 - 72.25 (21)	TP39.467x37.8468x0.406 3	6.75	0.00	0.0	51.096 3	-34.29	2989.13	0.011
L22	72.25 - 67.25 (22)	TP40.6671x39.467x0.406 3	5.00	0.00	0.0	52.666 3	-35.70	3080.98	0.012
L23	67.25 - 62.25 (23)	TP41.8673x40.6671x0.40 63	5.00	0.00	0.0	54.236 2	-37.14	3172.82	0.012
L24	62.25 - 57.25 (24)	TP43.0674x41.8673x0.40 63	5.00	0.00	0.0	55.806 1	-38.61	3264.66	0.012
L25	57.25 - 52.25 (25)	TP44.2675x43.0674x0.40 63	5.00	0.00	0.0	57.376 1	-40.12	3356.50	0.012
L26	52.25 - 49.83 (26)	TP44.8484x44.2675x0.40 63	2.42	0.00	0.0	58.135 9	-41.04	3400.95	0.012
L27	49.83 - 49.58 (27)	TP44.9084x44.8484x0.40 63	0.25	0.00	0.0	58.214 4	-41.15	3405.54	0.012
L28	49.58 - 44.58 (28)	TP46.1086x44.9084x0.40 63	5.00	0.00	0.0	59.784 3	-43.07	3497.38	0.012
L29	44.58 - 36.3333 (29)	TP48.088x46.1086x0.406 3	8.25	0.00	0.0	60.280 4	-43.68	3526.41	0.012
L30	36.3333 - 35.3333 (30)	TP47.5161x45.6753x0.43 75	7.67	0.00	0.0	66.322 0	-48.49	3879.84	0.012
L31	35.3333 - 32.25 (31)	TP48.2565x47.5161x0.43 75	3.08	0.00	0.0	67.365 0	-49.78	3940.85	0.013

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L32	32.25 - 32 (32)	TP48.3165x48.2565x0.43 75	0.25	0.00	0.0	67.449 5	-49.89	3945.80	0.013
L33	32 - 27 (33)	TP49.5171x48.3165x0.43 75	5.00	0.00	0.0	69.140 8	-52.00	4044.74	0.013
L34	27 - 22 (34)	TP50.7176x49.5171x0.43 75	5.00	0.00	0.0	70.832 1	-54.15	4143.68	0.013
L35	22 - 17 (35)	TP51.9181x50.7176x0.43 75	5.00	0.00	0.0	72.523 4	-56.34	4242.62	0.013
L36	17 - 15.5 (36)	TP52.2783x51.9181x0.43 75	1.50	0.00	0.0	73.030 7	-57.04	4272.30	0.013
L37	15.5 - 15.25 (37)	TP52.3383x52.2783x0.43 75	0.25	0.00	0.0	73.115 3	-57.18	4277.25	0.013
L38	15.25 - 14.75 (38)	TP52.4584x52.3383x0.43 75	0.50	0.00	0.0	73.284 4	-57.41	4287.14	0.013
L39	14.75 - 14.5 (39)	TP52.5184x52.4584x0.43 75	0.25	0.00	0.0	73.369 0	-57.54	4292.09	0.013
L40	14.5 - 9.5 (40)	TP53.719x52.5184x0.437 5	5.00	0.00	0.0	75.060 3	-59.75	4391.03	0.014
L41	9.5 - 4.5 (41)	TP54.9195x53.719x0.437 5	5.00	0.00	0.0	76.751 5	-61.84	4489.96	0.014
L42	4.5 - 0 (42)	TP56x54.9195x0.4375	4.50	0.00	0.0	78.273 7	-63.68	4579.01	0.014

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)	TP20.801x19.6x0.25	12.09	508.14	0.024	0.00	508.14	0.000
L2	155 - 150 (2)	TP22.0021x20.801x0.25	36.54	559.87	0.065	0.00	559.87	0.000
L3	150 - 145 (3)	TP23.2031x22.0021x0.25	84.96	612.89	0.139	0.00	612.89	0.000
L4	145 - 140 (4)	TP24.4041x23.2031x0.25	135.46	667.00	0.203	0.00	667.00	0.000
L5	140 - 135 (5)	TP25.6051x24.4041x0.25	223.15	722.04	0.309	0.00	722.04	0.000
L6	135 - 130 (6)	TP26.8062x25.6051x0.25	307.37	777.82	0.395	0.00	777.82	0.000
L7	130 - 125 (7)	TP28.0072x26.8062x0.25	404.31	834.16	0.485	0.00	834.16	0.000
L8	125 - 120 (8)	TP29.2082x28.0072x0.25	505.94	890.88	0.568	0.00	890.88	0.000
L9	120 - 111.333 (9)	TP31.29x29.2082x0.25	588.65	936.40	0.629	0.00	936.40	0.000
L10	111.333 - 111 (10)	TP30.867x29.669x0.3438	712.56	1506.34	0.473	0.00	1506.34	0.000
L11	111 - 106 (11)	TP32.065x30.867x0.3438	835.52	1606.85	0.520	0.00	1606.85	0.000
L12	106 - 101 (12)	TP33.2631x32.065x0.343 8	960.53	1708.83	0.562	0.00	1708.83	0.000
L13	101 - 96 (13)	TP34.4611x33.2631x0.34 38	1087.58	1812.13	0.600	0.00	1812.13	0.000
L14	96 - 91 (14)	TP35.6591x34.4611x0.34 38	1216.65	1916.55	0.635	0.00	1916.55	0.000
L15	91 - 86 (15)	TP36.8571x35.6591x0.34 38	1347.74	2021.91	0.667	0.00	2021.91	0.000
L16	86 - 85.75 (16)	TP36.917x36.8571x0.512 5	1354.35	3264.29	0.415	0.00	3264.29	0.000
L17	85.75 - 81 (17)	TP38.0551x36.917x0.506 3	1481.18	3432.41	0.432	0.00	3432.41	0.000
L18	81 - 80.75 (18)	TP38.115x38.0551x0.343 8	1487.92	2133.36	0.697	0.00	2133.36	0.000
L19	80.75 - 80.5 (19)	TP38.1749x38.115x0.343 8	1494.66	2138.68	0.699	0.00	2138.68	0.000
L20	80.5 - 73.25 (20)	TP39.912x38.1749x0.343 8	1535.20	2170.66	0.707	0.00	2170.66	0.000
L21	73.25 - 72.25 (21)	TP39.467x37.8468x0.406 3	1720.49	2839.37	0.606	0.00	2839.37	0.000
L22	72.25 - 67.25 (22)	TP40.6671x39.467x0.406 3	1860.47	2983.96	0.623	0.00	2983.96	0.000
L23	67.25 - 62.25 (23)	TP41.8673x40.6671x0.40 63	2002.49	3129.88	0.640	0.00	3129.88	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 $\frac{M_{uy}}{\phi M_{ny}}$
L24	62.25 - 57.25 (24)	TP43.0674x41.8673x0.40 63	2146.53	3276.97	0.655	0.00	3276.97	0.000
L25	57.25 - 52.25 (25)	TP44.2675x43.0674x0.40 63	2292.54	3425.04	0.669	0.00	3425.04	0.000
L26	52.25 - 49.83 (26)	TP44.8484x44.2675x0.40 63	2363.93	3497.01	0.676	0.00	3497.01	0.000
L27	49.83 - 49.58 (27)	TP44.9084x44.8484x0.40 63	2371.33	3504.46	0.677	0.00	3504.46	0.000
L28	49.58 - 44.58 (28)	TP46.1086x44.9084x0.40 63	2520.39	3653.68	0.690	0.00	3653.68	0.000
L29	44.58 - 36.3333 (29)	TP48.088x46.1086x0.406 3	2567.89	3700.96	0.694	0.00	3700.96	0.000
L30	36.3333 - 35.3333 (30)	TP47.5161x45.6753x0.43 75	2801.93	4255.33	0.658	0.00	4255.33	0.000
L31	35.3333 - 32.25 (31)	TP48.2565x47.5161x0.43 75	2897.53	4361.67	0.664	0.00	4361.67	0.000
L32	32.25 - 32 (32)	TP48.3165x48.2565x0.43 75	2905.30	4370.30	0.665	0.00	4370.30	0.000
L33	32 - 27 (33)	TP49.5171x48.3165x0.43 75	3061.75	4543.38	0.674	0.00	4543.38	0.000
L34	27 - 22 (34)	TP50.7176x49.5171x0.43 75	3219.86	4717.04	0.683	0.00	4717.04	0.000
L35	22 - 17 (35)	TP51.9181x50.7176x0.43 75	3379.63	4891.11	0.691	0.00	4891.11	0.000
L36	17 - 15.5 (36)	TP52.2783x51.9181x0.43 75	3427.88	4943.38	0.693	0.00	4943.38	0.000
L37	15.5 - 15.25 (37)	TP52.3383x52.2783x0.43 75	3435.94	4952.09	0.694	0.00	4952.09	0.000
L38	15.25 - 14.75 (38)	TP52.4584x52.3383x0.43 75	3452.07	4969.52	0.695	0.00	4969.52	0.000
L39	14.75 - 14.5 (39)	TP52.5184x52.4584x0.43 75	3460.14	4978.23	0.695	0.00	4978.23	0.000
L40	14.5 - 9.5 (40)	TP53.719x52.5184x0.437 5	3622.42	5152.57	0.703	0.00	5152.57	0.000
L41	9.5 - 4.5 (41)	TP54.9195x53.719x0.437 5	3786.38	5326.86	0.711	0.00	5326.86	0.000
L42	4.5 - 0 (42)	TP56x54.9195x0.4375	3935.39	5483.53	0.718	0.00	5483.53	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)	TP20.801x19.6x0.25	4.71	290.34	0.016	0.00	524.86	0.000
L2	155 - 150 (2)	TP22.0021x20.801x0.25	5.08	307.31	0.017	0.00	588.00	0.000
L3	150 - 145 (3)	TP23.2031x22.0021x0.25	9.91	324.27	0.031	0.00	654.72	0.000
L4	145 - 140 (4)	TP24.4041x23.2031x0.25	10.30	341.24	0.030	0.00	725.03	0.000
L5	140 - 135 (5)	TP25.6051x24.4041x0.25	16.65	358.21	0.046	0.35	798.92	0.000
L6	135 - 130 (6)	TP26.8062x25.6051x0.25	17.05	375.18	0.045	0.35	876.40	0.000
L7	130 - 125 (7)	TP28.0072x26.8062x0.25	20.14	392.15	0.051	0.22	957.47	0.000
L8	125 - 120 (8)	TP29.2082x28.0072x0.25	20.53	409.11	0.050	0.22	1042.12	0.000
L9	120 - 111.333 (9)	TP31.29x29.2082x0.25	20.84	422.69	0.049	0.22	1112.42	0.000
L10	111.333 - 111 (10)	TP30.867x29.669x0.3438	24.40	592.93	0.041	0.22	1591.98	0.000
L11	111 - 106 (11)	TP32.065x30.867x0.3438	24.81	616.21	0.040	0.22	1719.40	0.000
L12	106 - 101 (12)	TP33.2631x32.065x0.343 8	25.22	639.48	0.039	0.22	1851.72	0.000
L13	101 - 96 (13)	TP34.4611x33.2631x0.34 38	25.63	662.75	0.039	0.22	1988.96	0.000
L14	96 - 91 (14)	TP35.6591x34.4611x0.34 38	26.03	686.02	0.038	0.22	2131.09	0.000
L15	91 - 86 (15)	TP36.8571x35.6591x0.34 38	26.44	709.29	0.037	0.36	2278.13	0.000
L16	86 - 85.75	TP36.917x36.8571x0.512	26.45	1054.34	0.025	0.36	3376.27	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 $\frac{T_u}{\phi T_n}$
L17	(16) 85.75 - 81	5 TP38.0551x36.917x0.506	26.94	1074.22	0.025	0.43	3548.06	0.000
L18	(17) 81 - 80.75	3 TP38.115x38.0551x0.343	26.95	733.73	0.037	0.43	2437.80	0.000
L19	(18) 80.75 - 80.5	8 TP38.1749x38.115x0.343	26.97	734.89	0.037	0.43	2445.54	0.000
L20	(19) 80.5 - 73.25	8 TP39.912x38.1749x0.343	27.11	741.88	0.037	0.43	2492.22	0.000
L21	(20) 73.25 - 72.25	8 TP39.467x37.8468x0.406	27.81	896.74	0.031	0.43	3081.11	0.000
L22	(21) 72.25 - 67.25	3 TP40.6671x39.467x0.406	28.22	924.29	0.031	0.43	3273.35	0.000
L23	(22) 67.25 - 62.25	3 TP41.8673x40.6671x0.40	28.62	951.85	0.030	0.43	3471.41	0.000
L24	(23) 62.25 - 57.25	63 TP43.0674x41.8673x0.40	29.02	979.40	0.030	0.43	3675.29	0.000
L25	(24) 57.25 - 52.25	63 TP44.2675x43.0674x0.40	29.42	1006.95	0.029	0.43	3884.98	0.000
L26	(25) 52.25 - 49.83	63 TP44.8484x44.2675x0.40	29.62	1020.29	0.029	0.43	3988.57	0.000
L27	(26) 49.83 - 49.58	63 TP44.9084x44.8484x0.40	29.62	1021.66	0.029	0.43	3999.34	0.000
L28	(27) 49.58 - 44.58	63 TP46.1086x44.9084x0.40	30.02	1049.22	0.029	0.43	4217.96	0.000
L29	(28) 44.58 - 36.3333 (29)	63 TP48.088x46.1086x0.406	30.15	1057.92	0.028	0.43	4288.25	0.000
L30	36.3333 - 35.3333 (30)	3 TP47.5161x45.6753x0.43	30.91	1163.95	0.027	0.32	4820.13	0.000
L31	35.3333 - 32.25 (31)	75 TP48.2565x47.5161x0.43	31.13	1182.26	0.026	0.32	4972.92	0.000
L32	32.25 - 32 (32)	75 TP48.3165x48.2565x0.43	31.13	1183.74	0.026	0.32	4985.42	0.000
L33	32 - 27 (33)	75 TP49.5171x48.3165x0.43	31.47	1213.42	0.026	0.32	5238.56	0.000
L34	27 - 22 (34)	75 TP50.7176x49.5171x0.43	31.81	1243.10	0.026	0.32	5497.98	0.000
L35	22 - 17 (35)	75 TP51.9181x50.7176x0.43	32.14	1272.78	0.025	0.32	5763.67	0.000
L36	17 - 15.5 (36)	75 TP52.2783x51.9181x0.43	32.25	1281.69	0.025	0.32	5844.59	0.000
L37	15.5 - 15.25 (37)	75 TP52.3383x52.2783x0.43	32.24	1283.17	0.025	0.32	5858.14	0.000
L38	15.25 - 14.75 (38)	75 TP52.4584x52.3383x0.43	32.28	1286.14	0.025	0.32	5885.27	0.000
L39	14.75 - 14.5 (39)	75 TP52.5184x52.4584x0.43	32.29	1287.63	0.025	0.32	5898.86	0.000
L40	14.5 - 9.5 (40)	5 TP53.719x52.5184x0.437	32.64	1317.31	0.025	0.32	6173.95	0.000
L41	9.5 - 4.5 (41)	5 TP54.9195x53.719x0.437	32.98	1346.99	0.024	0.32	6455.31	0.000
L42	4.5 - 0 (42)	5 TP56x54.9195x0.4375	33.29	1373.70	0.024	0.32	6713.89	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	160 - 155 (1)	0.004	0.024	0.000	0.016	0.000	0.028	1.050	4.8.2
L2	155 - 150 (2)	0.004	0.065	0.000	0.017	0.000	0.070	1.050	4.8.2
L3	150 - 145 (3)	0.008	0.139	0.000	0.031	0.000	0.147	1.050	4.8.2
L4	145 - 140 (4)	0.008	0.203	0.000	0.030	0.000	0.212	1.050	4.8.2
L5	140 - 135 (5)	0.011	0.309	0.000	0.046	0.000	0.322	1.050	4.8.2

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L6	135 - 130 (6)	0.011	0.395	0.000	0.045	0.000	0.408	1.050	4.8.2
L7	130 - 125 (7)	0.013	0.485	0.000	0.051	0.000	0.501	1.050	4.8.2
L8	125 - 120 (8)	0.013	0.568	0.000	0.050	0.000	0.584	1.050	4.8.2
L9	120 - 111.333 (9)	0.013	0.629	0.000	0.049	0.000	0.644	1.050	4.8.2
L10	111.333 - 111 (10)	0.012	0.473	0.000	0.041	0.000	0.487	1.050	4.8.2
L11	111 - 106 (11)	0.012	0.520	0.000	0.040	0.000	0.534	1.050	4.8.2
L12	106 - 101 (12)	0.012	0.562	0.000	0.039	0.000	0.576	1.050	4.8.2
L13	101 - 96 (13)	0.012	0.600	0.000	0.039	0.000	0.614	1.050	4.8.2
L14	96 - 91 (14)	0.012	0.635	0.000	0.038	0.000	0.649	1.050	4.8.2
L15	91 - 86 (15)	0.012	0.667	0.000	0.037	0.000	0.680	1.050	4.8.2
L16	86 - 85.75 (16)	0.008	0.415	0.000	0.025	0.000	0.424	1.050	4.8.2
L17	85.75 - 81 (17)	0.009	0.432	0.000	0.025	0.000	0.441	1.050	4.8.2
L18	81 - 80.75 (18)	0.013	0.697	0.000	0.037	0.000	0.711	1.050	4.8.2
L19	80.75 - 80.5 (19)	0.013	0.699	0.000	0.037	0.000	0.713	1.050	4.8.2
L20	80.5 - 73.25 (20)	0.013	0.707	0.000	0.037	0.000	0.721	1.050	4.8.2
L21	73.25 - 72.25 (21)	0.011	0.606	0.000	0.031	0.000	0.618	1.050	4.8.2
L22	72.25 - 67.25 (22)	0.012	0.623	0.000	0.031	0.000	0.636	1.050	4.8.2
L23	67.25 - 62.25 (23)	0.012	0.640	0.000	0.030	0.000	0.652	1.050	4.8.2
L24	62.25 - 57.25 (24)	0.012	0.655	0.000	0.030	0.000	0.668	1.050	4.8.2
L25	57.25 - 52.25 (25)	0.012	0.669	0.000	0.029	0.000	0.682	1.050	4.8.2
L26	52.25 - 49.83 (26)	0.012	0.676	0.000	0.029	0.000	0.689	1.050	4.8.2
L27	49.83 - 49.58 (27)	0.012	0.677	0.000	0.029	0.000	0.690	1.050	4.8.2
L28	49.58 - 44.58 (28)	0.012	0.690	0.000	0.029	0.000	0.703	1.050	4.8.2
L29	44.58 - 36.3333 (29)	0.012	0.694	0.000	0.028	0.000	0.707	1.050	4.8.2
L30	36.3333 - 35.3333 (30)	0.012	0.658	0.000	0.027	0.000	0.672	1.050	4.8.2
L31	35.3333 - 32.25 (31)	0.013	0.664	0.000	0.026	0.000	0.678	1.050	4.8.2
L32	32.25 - 32 (32)	0.013	0.665	0.000	0.026	0.000	0.678	1.050	4.8.2
L33	32 - 27 (33)	0.013	0.674	0.000	0.026	0.000	0.687	1.050	4.8.2
L34	27 - 22 (34)	0.013	0.683	0.000	0.026	0.000	0.696	1.050	4.8.2
L35	22 - 17 (35)	0.013	0.691	0.000	0.025	0.000	0.705	1.050	4.8.2
L36	17 - 15.5 (36)	0.013	0.693	0.000	0.025	0.000	0.707	1.050	4.8.2
L37	15.5 - 15.25 (37)	0.013	0.694	0.000	0.025	0.000	0.708	1.050	4.8.2
L38	15.25 - 14.75 (38)	0.013	0.695	0.000	0.025	0.000	0.709	1.050	4.8.2
L39	14.75 - 14.5 (39)	0.013	0.695	0.000	0.025	0.000	0.709	1.050	4.8.2
L40	14.5 - 9.5 (40)	0.014	0.703	0.000	0.025	0.000	0.717	1.050	4.8.2
L41	9.5 - 4.5 (41)	0.014	0.711	0.000	0.024	0.000	0.725	1.050	4.8.2
L42	4.5 - 0 (42)	0.014	0.718	0.000	0.024	0.000	0.732	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160 - 155	Pole	TP20.801x19.6x0.25	1	-3.91	1016.19	2.7	Pass
L2	155 - 150	Pole	TP22.0021x20.801x0.25	2	-4.27	1075.58	6.6	Pass
L3	150 - 145	Pole	TP23.2031x22.0021x0.25	3	-8.16	1134.97	14.0	Pass
L4	145 - 140	Pole	TP24.4041x23.2031x0.25	4	-8.62	1194.35	20.1	Pass
L5	140 - 135	Pole	TP25.6051x24.4041x0.25	5	-13.09	1253.74	30.7	Pass
L6	135 - 130	Pole	TP26.8062x25.6051x0.25	6	-13.70	1313.13	38.9	Pass
L7	130 - 125	Pole	TP28.0072x26.8062x0.25	7	-17.33	1372.52	47.7	Pass
L8	125 - 120	Pole	TP29.2082x28.0072x0.25	8	-18.03	1431.90	55.6	Pass
L9	120 - 111.333	Pole	TP31.29x29.2082x0.25	9	-18.64	1479.41	61.4	Pass
L10	111.333 - 111	Pole	TP30.867x29.669x0.3438	10	-23.84	2075.27	46.4	Pass
L11	111 - 106	Pole	TP32.065x30.867x0.3438	11	-24.86	2156.72	50.8	Pass
L12	106 - 101	Pole	TP33.2631x32.065x0.3438	12	-25.92	2238.18	54.8	Pass
L13	101 - 96	Pole	TP34.4611x33.2631x0.3438	13	-27.02	2319.63	58.5	Pass
L14	96 - 91	Pole	TP35.6591x34.4611x0.3438	14	-28.15	2401.08	61.8	Pass
L15	91 - 86	Pole	TP36.8571x35.6591x0.3438	15	-29.30	2482.54	64.8	Pass
L16	86 - 85.75	Pole	TP36.917x36.8571x0.5125	16	-29.39	3690.20	40.4	Pass
L17	85.75 - 81	Pole	TP38.0551x36.917x0.5063	17	-30.88	3759.78	42.0	Pass
L18	81 - 80.75	Pole	TP38.115x38.0551x0.3438	18	-30.95	2568.06	67.8	Pass
L19	80.75 - 80.5	Pole	TP38.1749x38.115x0.3438	19	-31.02	2572.13	67.9	Pass
L20	80.5 - 73.25	Pole	TP39.912x38.1749x0.3438	20	-31.40	2596.57	68.7	Pass
L21	73.25 - 72.25	Pole	TP39.467x37.8468x0.4063	21	-34.29	3138.59	58.9	Pass
L22	72.25 - 67.25	Pole	TP40.6671x39.467x0.4063	22	-35.70	3235.03	60.6	Pass
L23	67.25 - 62.25	Pole	TP41.8673x40.6671x0.4063	23	-37.14	3331.46	62.1	Pass
L24	62.25 - 57.25	Pole	TP43.0674x41.8673x0.4063	24	-38.61	3427.89	63.6	Pass
L25	57.25 - 52.25	Pole	TP44.2675x43.0674x0.4063	25	-40.12	3524.32	65.0	Pass
L26	52.25 - 49.83	Pole	TP44.8484x44.2675x0.4063	26	-41.04	3571.00	65.6	Pass
L27	49.83 - 49.58	Pole	TP44.9084x44.8484x0.4063	27	-41.15	3575.82	65.7	Pass
L28	49.58 - 44.58	Pole	TP46.1086x44.9084x0.4063	28	-43.07	3672.25	66.9	Pass
L29	44.58 - 36.3333	Pole	TP48.088x46.1086x0.4063	29	-43.68	3702.73	67.3	Pass
L30	36.3333 - 35.3333	Pole	TP47.5161x45.6753x0.4375	30	-48.49	4073.83	64.0	Pass
L31	35.3333 - 32.25	Pole	TP48.2565x47.5161x0.4375	31	-49.78	4137.89	64.5	Pass
L32	32.25 - 32	Pole	TP48.3165x48.2565x0.4375	32	-49.89	4143.09	64.6	Pass
L33	32 - 27	Pole	TP49.5171x48.3165x0.4375	33	-52.00	4246.98	65.5	Pass
L34	27 - 22	Pole	TP50.7176x49.5171x0.4375	34	-54.15	4350.86	66.3	Pass
L35	22 - 17	Pole	TP51.9181x50.7176x0.4375	35	-56.34	4454.75	67.1	Pass
L36	17 - 15.5	Pole	TP52.2783x51.9181x0.4375	36	-57.04	4485.91	67.4	Pass
L37	15.5 - 15.25	Pole	TP52.3383x52.2783x0.4375	37	-57.18	4491.11	67.4	Pass
L38	15.25 - 14.75	Pole	TP52.4584x52.3383x0.4375	38	-57.41	4501.50	67.5	Pass
L39	14.75 - 14.5	Pole	TP52.5184x52.4584x0.4375	39	-57.54	4506.69	67.5	Pass
L40	14.5 - 9.5	Pole	TP53.719x52.5184x0.4375	40	-59.75	4610.58	68.3	Pass
L41	9.5 - 4.5	Pole	TP54.9195x53.719x0.4375	41	-61.84	4714.46	69.1	Pass
L42	4.5 - 0	Pole	TP56x54.9195x0.4375	42	-63.68	4807.96	69.7	Pass
							Summary	
							Pole (L42)	69.7 Pass
							RATING =	69.7 Pass

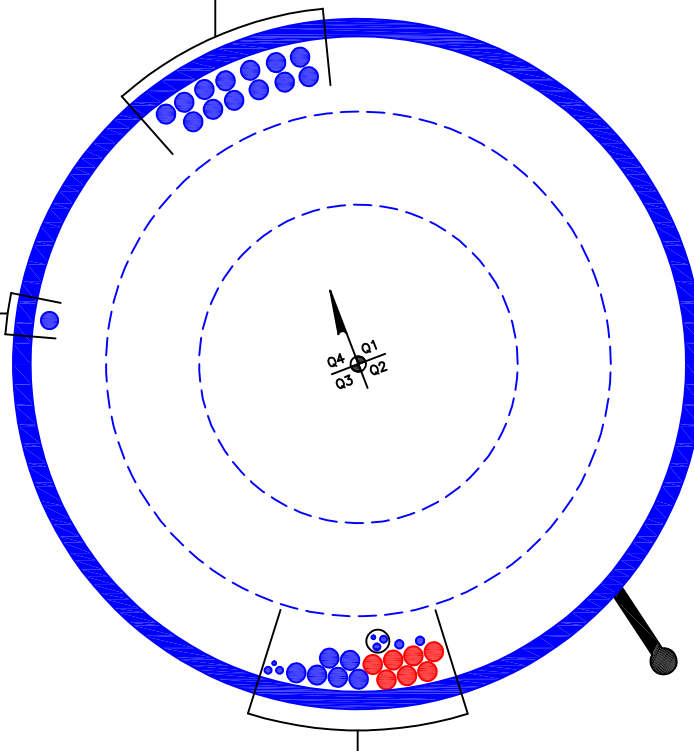
***NOTE: Above stress ratios for reinforced sections are approximate. More exact calculations are presented in Appendix C**

APPENDIX B
BASE LEVEL DRAWING



(OTHER CONSIDERED EQUIPMENT)
(10) 1-5/8" TO 116 FT LEVEL
(3) 1-5/8" TO 157 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/2" TO 129 FT LEVEL



CLIMBING PEGS
W/ SAFETY CLIMB

(PROPOSED EQUIPMENT CONFIGURATION)
(7) 1-5/8" TO 139 FT LEVEL
(OTHER CONSIDERED EQUIPMENT - IN CONDUIT)
(1) 3/8" TO 149 FT LEVEL
(2) 5/8" TO 149 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 3/8" TO 149 FT LEVEL
(2) 5/8" TO 149 FT LEVEL
(2) 3/4" TO 149 FT LEVEL
(6) 1-5/8" TO 149 FT LEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

Site BU: 806953
Work Order: 2246175



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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	48.6667	4.6667	12	19.6	31.29	0.25	Auto	A572-65
2	116	42.75	5.75	12	29.67	39.912	0.34375	Auto	A572-65
3	79	42.6667	6.6667	12	37.85	48.088	0.40625	Auto	A572-65
4	43	43	0	12	45.68	56	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	15.5	plate	MK SR 1													
2	78.25	80.75	plate	MK SR 2													
3	14.75	32.25	plate	CCI-AFP-060100													
4	32.25	49.83	plate	CCI-AFP-060100													
5	81	86	plate	CCI-AFP-060100	3		E				E				E		
6																	
7																	
8																	
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	4	0.75	3	0.375	PC 8.8 - M20 (100)	15	PC 8.8 - M20 (100)	15.000	15.000	2.063	1.1875	A572-65
2	4	0.75	3	0.375	PC 8.8 - M20 (100)	15	PC 8.8 - M20 (100)	15.000	15.000	2.069	1.1788	A572-65
3	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
4	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
5	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65

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)
MK SR 1	Top	5	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	5	N	3	3	-	-	-	-	-	-	-	-	-
MK SR 2	Top	5	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	5	N	3	3	-	-	-	-	-	-	-	-	-

TNX Geometry Input

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

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	160 - 155	5		12	19.600	20.801	0.25	A572-65	1.000
2	155 - 150	5		12	20.801	22.002	0.25	A572-65	1.000
3	150 - 145	5		12	22.002	23.203	0.25	A572-65	1.000
4	145 - 140	5		12	23.203	24.404	0.25	A572-65	1.000
5	140 - 135	5		12	24.404	25.605	0.25	A572-65	1.000
6	135 - 130	5		12	25.605	26.806	0.25	A572-65	1.000
7	130 - 125	5		12	26.806	28.007	0.25	A572-65	1.000
8	125 - 120	5		12	28.007	29.208	0.25	A572-65	1.000
9	120 - 116	8.6667	4.6667	12	29.208	31.290	0.25	A572-65	1.000
10	116 - 111	5		12	29.669	30.867	0.34375	A572-65	1.000
11	111 - 106	5		12	30.867	32.065	0.34375	A572-65	1.000
12	106 - 101	5		12	32.065	33.263	0.34375	A572-65	1.000
13	101 - 96	5		12	33.263	34.461	0.34375	A572-65	1.000
14	96 - 91	5		12	34.461	35.659	0.34375	A572-65	1.000
15	91 - 86	5		12	35.659	36.857	0.34375	A572-65	1.000
16	86 - 85.75	0.25		12	36.857	36.917	0.5125	A572-65	0.974
17	85.75 - 81	4.75		12	36.917	38.055	0.50625	A572-65	0.976
18	81 - 80.75	0.25		12	38.055	38.115	0.34375	A572-65	1.000
19	80.75 - 80.5	0.25		12	38.115	38.175	0.34375	A572-65	1.000
20	80.5 - 79	7.25	5.75	12	38.175	39.912	0.34375	A572-65	1.000
21	79 - 72.25	6.75		12	37.847	39.467	0.40625	A572-65	1.000
22	72.25 - 67.25	5		12	39.467	40.667	0.40625	A572-65	1.000
23	67.25 - 62.25	5		12	40.667	41.867	0.40625	A572-65	1.000
24	62.25 - 57.25	5		12	41.867	43.067	0.40625	A572-65	1.000
25	57.25 - 52.25	5		12	43.067	44.268	0.40625	A572-65	1.000
26	52.25 - 49.83	2.42		12	44.268	44.848	0.40625	A572-65	1.000
27	49.83 - 49.58	0.25		12	44.848	44.908	0.40625	A572-65	1.000
28	49.58 - 44.58	5		12	44.908	46.109	0.40625	A572-65	1.000
29	44.58 - 43	8.2467	6.6667	12	46.109	48.088	0.40625	A572-65	1.000
30	43 - 35.3333	7.6667		12	45.675	47.516	0.4375	A572-65	1.000
31	35.3333 - 32.25	3.0833		12	47.516	48.256	0.4375	A572-65	1.000
32	32.25 - 32	0.25		12	48.256	48.317	0.4375	A572-65	1.000
33	32 - 27	5		12	48.317	49.517	0.4375	A572-65	1.000
34	27 - 22	5		12	49.517	50.718	0.4375	A572-65	1.000
35	22 - 17	5		12	50.718	51.918	0.4375	A572-65	1.000
36	17 - 15.5	1.5		12	51.918	52.278	0.4375	A572-65	1.000
37	15.5 - 15.25	0.25		12	52.278	52.338	0.4375	A572-65	1.000
38	15.25 - 14.75	0.5		12	52.338	52.458	0.4375	A572-65	1.000
39	14.75 - 14.5	0.25		12	52.458	52.518	0.4375	A572-65	1.000
40	14.5 - 9.5	5		12	52.518	53.719	0.4375	A572-65	1.000
41	9.5 - 4.5	5		12	53.719	54.920	0.4375	A572-65	1.000
42	4.5 - 0	4.5		12	54.920	56.000	0.4375	A572-65	1.000

TNX Section Forces

Increment (ft):		TNX Output		
	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	160 - 155	3.91	12.09	4.71
2	155 - 150	4.27	36.54	5.08
3	150 - 145	8.16	84.96	9.91
4	145 - 140	8.62	135.46	10.30
5	140 - 135	13.09	223.15	16.65
6	135 - 130	13.70	307.37	17.05
7	130 - 125	17.33	404.31	20.14
8	125 - 120	18.03	505.94	20.53
9	120 - 116	18.64	588.65	20.84
10	116 - 111	23.84	712.56	24.40
11	111 - 106	24.86	835.53	24.81
12	106 - 101	25.92	960.53	25.22
13	101 - 96	27.02	1087.57	25.62
14	96 - 91	28.15	1216.65	26.03
15	91 - 86	29.30	1347.75	26.44
16	86 - 85.75	29.39	1354.36	26.46
17	85.75 - 81	30.88	1481.19	26.94
18	81 - 80.75	30.95	1487.92	26.95
19	80.75 - 80.5	31.02	1494.66	26.97
20	80.5 - 79	31.40	1535.20	27.11
21	79 - 72.25	34.29	1720.49	27.81
22	72.25 - 67.25	35.70	1860.47	28.22
23	67.25 - 62.25	37.14	2002.49	28.62
24	62.25 - 57.25	38.61	2146.52	29.02
25	57.25 - 52.25	40.12	2292.54	29.42
26	52.25 - 49.83	41.04	2363.93	29.62
27	49.83 - 49.58	41.15	2371.33	29.62
28	49.58 - 44.58	43.07	2520.39	30.02
29	44.58 - 43	43.68	2567.89	30.15
30	43 - 35.3333	48.49	2801.94	30.91
31	35.3333 - 32.25	49.78	2897.52	31.13
32	32.25 - 32	49.89	2905.30	31.13
33	32 - 27	52.00	3061.75	31.47
34	27 - 22	54.15	3219.86	31.81
35	22 - 17	56.34	3379.63	32.14
36	17 - 15.5	57.04	3427.88	32.25
37	15.5 - 15.25	57.18	3435.94	32.24
38	15.25 - 14.75	57.41	3452.07	32.28
39	14.75 - 14.5	57.54	3460.14	32.29
40	14.5 - 9.5	59.75	3622.42	32.64
41	9.5 - 4.5	61.84	3786.38	32.98
42	4.5 - 0	63.68	3935.39	33.29

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP20.801x19.6x0.25	Pole	2.7%	Pass
155 - 150	Pole	TP22.002x20.801x0.25	Pole	6.6%	Pass
150 - 145	Pole	TP23.203x22.002x0.25	Pole	14.0%	Pass
145 - 140	Pole	TP24.404x23.203x0.25	Pole	20.1%	Pass
140 - 135	Pole	TP25.605x24.404x0.25	Pole	30.6%	Pass
135 - 130	Pole	TP26.806x25.605x0.25	Pole	38.8%	Pass
130 - 125	Pole	TP28.007x26.806x0.25	Pole	47.6%	Pass
125 - 120	Pole	TP29.208x28.007x0.25	Pole	55.4%	Pass
120 - 116	Pole	TP31.29x29.208x0.25	Pole	61.2%	Pass
116 - 111	Pole	TP30.867x29.669x0.3438	Pole	46.2%	Pass
111 - 106	Pole	TP32.065x30.867x0.3438	Pole	50.7%	Pass
106 - 101	Pole	TP33.263x32.065x0.3438	Pole	54.7%	Pass
101 - 96	Pole	TP34.461x33.263x0.3438	Pole	58.3%	Pass
96 - 91	Pole	TP35.659x34.461x0.3438	Pole	61.6%	Pass
91 - 86	Pole	TP36.857x35.659x0.3438	Pole	64.6%	Pass
86 - 85.75	Pole + Reinf.	TP36.917x36.857x0.5125	Reinf. 5 Tension Rupture	61.6%	Pass
85.75 - 81	Pole + Reinf.	TP38.055x36.917x0.5063	Reinf. 5 Tension Rupture	63.9%	Pass
81 - 80.75	Pole	TP38.115x38.055x0.3438	Pole	67.6%	Pass
80.75 - 80.5	Pole	TP38.175x38.115x0.3438	Pole	67.7%	Pass
80.5 - 79	Pole	TP39.912x38.175x0.3438	Pole	68.5%	Pass
79 - 72.25	Pole	TP39.467x37.847x0.4063	Pole	58.7%	Pass
72.25 - 67.25	Pole	TP40.667x39.467x0.4063	Pole	60.4%	Pass
67.25 - 62.25	Pole	TP41.867x40.667x0.4063	Pole	62.0%	Pass
62.25 - 57.25	Pole	TP43.067x41.867x0.4063	Pole	63.4%	Pass
57.25 - 52.25	Pole	TP44.268x43.067x0.4063	Pole	64.8%	Pass
52.25 - 49.83	Pole	TP44.848x44.268x0.4063	Pole	65.4%	Pass
49.83 - 49.58	Pole	TP44.908x44.848x0.4063	Pole	65.5%	Pass
49.58 - 44.58	Pole	TP46.109x44.908x0.4063	Pole	66.8%	Pass
44.58 - 43	Pole	TP48.088x46.109x0.4063	Pole	67.2%	Pass
43 - 35.33	Pole	TP47.516x45.675x0.4375	Pole	63.8%	Pass
35.33 - 32.25	Pole	TP48.256x47.516x0.4375	Pole	64.4%	Pass
32.25 - 32	Pole	TP48.317x48.256x0.4375	Pole	64.4%	Pass
32 - 27	Pole	TP49.517x48.317x0.4375	Pole	65.3%	Pass
27 - 22	Pole	TP50.718x49.517x0.4375	Pole	66.1%	Pass
22 - 17	Pole	TP51.918x50.718x0.4375	Pole	67.0%	Pass
17 - 15.5	Pole	TP52.278x51.918x0.4375	Pole	67.2%	Pass
15.5 - 15.25	Pole	TP52.338x52.278x0.4375	Pole	67.2%	Pass
15.25 - 14.75	Pole	TP52.458x52.338x0.4375	Pole	67.3%	Pass
14.75 - 14.5	Pole	TP52.518x52.458x0.4375	Pole	67.4%	Pass
14.5 - 9.5	Pole	TP53.719x52.518x0.4375	Pole	68.1%	Pass
9.5 - 4.5	Pole	TP54.92x53.719x0.4375	Pole	68.9%	Pass
4.5 - 0	Pole	TP56x54.92x0.4375	Pole	69.6%	Pass
				Summary	
			Pole	69.6%	Pass
			Reinforcement	63.9%	Pass
			Overall	69.6%	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
160 - 155	893	n/a	893	16.52	n/a	16.52	2.7%					
155 - 150	1059	n/a	1059	17.49	n/a	17.49	6.6%					
150 - 145	1244	n/a	1244	18.45	n/a	18.45	14.0%					
145 - 140	1450	n/a	1450	19.42	n/a	19.42	20.1%					
140 - 135	1677	n/a	1677	20.38	n/a	20.38	30.6%					
135 - 130	1927	n/a	1927	21.35	n/a	21.35	38.8%					
130 - 125	2200	n/a	2200	22.31	n/a	22.31	47.6%					
125 - 120	2499	n/a	2499	23.28	n/a	23.28	55.4%					
120 - 116	2756	n/a	2756	24.05	n/a	24.05	61.2%					
116 - 111	4023	n/a	4023	33.74	n/a	33.74	46.2%					
111 - 106	4516	n/a	4516	35.06	n/a	35.06	50.7%					
106 - 101	5047	n/a	5047	36.39	n/a	36.39	54.7%					
101 - 96	5618	n/a	5618	37.71	n/a	37.71	58.3%					
96 - 91	6231	n/a	6231	39.03	n/a	39.03	61.6%					
91 - 86	6887	n/a	6887	40.36	n/a	40.36	64.6%					
86 - 85.75	6921	3263	10183	40.42	18.00	58.42	42.6%					61.6%
85.75 - 81	7587	3460	11047	41.68	18.00	59.68	44.8%					63.9%
81 - 80.75	7623	n/a	7623	41.75	n/a	41.75	67.6%					
80.75 - 80.5	7660	n/a	7660	41.81	n/a	41.81	67.7%					
80.5 - 79	7880	n/a	7880	42.21	n/a	42.21	68.5%					
79 - 72.25	9964	n/a	9964	51.02	n/a	51.02	58.7%					
72.25 - 67.25	10911	n/a	10911	52.59	n/a	52.59	60.4%					
67.25 - 62.25	11916	n/a	11916	54.16	n/a	54.16	62.0%					
62.25 - 57.25	12981	n/a	12981	55.73	n/a	55.73	63.4%					
57.25 - 52.25	14108	n/a	14108	57.29	n/a	57.29	64.8%					
52.25 - 49.83	14676	n/a	14676	58.05	n/a	58.05	65.4%					
49.83 - 49.58	14735	n/a	14735	58.13	n/a	58.13	65.5%					
49.58 - 44.58	15960	n/a	15960	59.70	n/a	59.70	66.8%					
44.58 - 43	16361	n/a	16361	60.19	n/a	60.19	67.2%					
43 - 35.33	18788	n/a	18788	66.23	n/a	66.23	63.8%					
35.33 - 32.25	19688	n/a	19688	67.27	n/a	67.27	64.4%					
32.25 - 32	19762	n/a	19762	67.35	n/a	67.35	64.4%					
32 - 27	21287	n/a	21287	69.04	n/a	69.04	65.3%					
27 - 22	22887	n/a	22887	70.73	n/a	70.73	66.1%					
22 - 17	24566	n/a	24566	72.42	n/a	72.42	67.0%					
17 - 15.5	25085	n/a	25085	72.93	n/a	72.93	67.2%					
15.5 - 15.25	25172	n/a	25172	73.01	n/a	73.01	67.2%					
15.25 - 14.75	25348	n/a	25348	73.18	n/a	73.18	67.3%					
14.75 - 14.5	25435	n/a	25435	73.26	n/a	73.26	67.4%					
14.5 - 9.5	27235	n/a	27235	74.95	n/a	74.95	68.1%					
9.5 - 4.5	29118	n/a	29118	76.64	n/a	76.64	68.9%					
4.5 - 0	30885	n/a	30885	78.16	n/a	78.16	69.6%					

Note: Section capacity checked using 5 degree increments.

*Rating per TIA-222-H Section 15.5.

Monopole Base Plate Connection

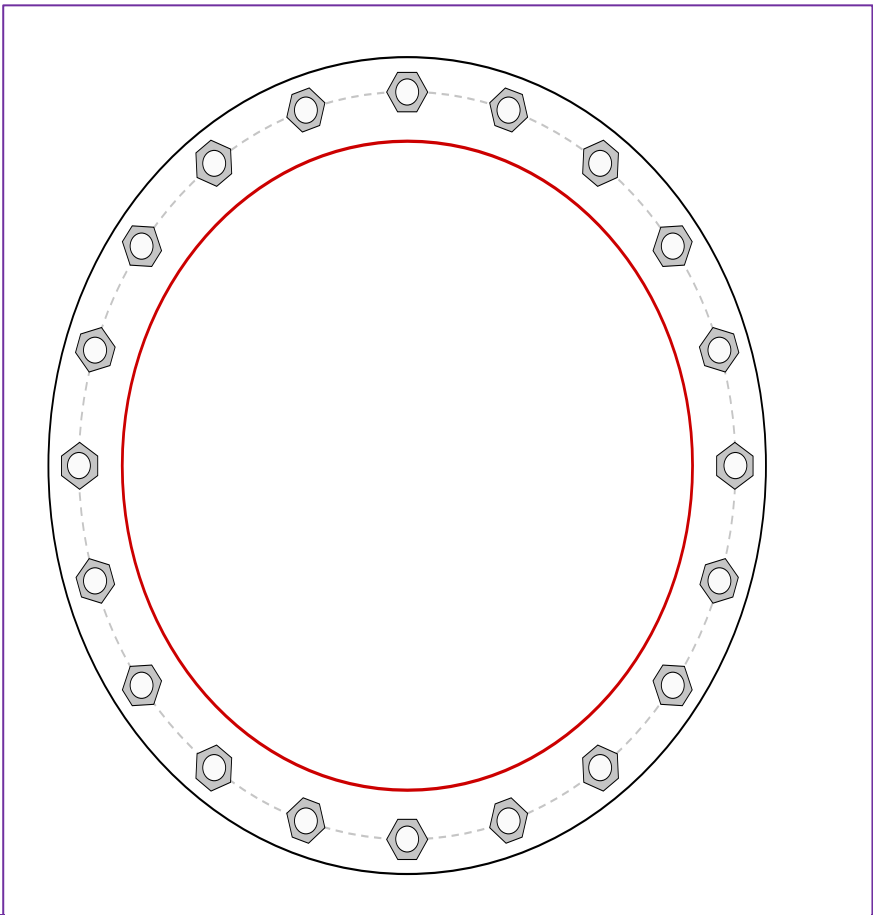


Site Info	
BU #	806953
Site Name	BRG 2044 (A) 943097
Order #	548687 Rev. 4

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
I_{ar} (in)	1.0625

Applied Loads	
Moment (kip-ft)	3986.01
Axial Force (kips)	63.78
Shear Force (kips)	33.63

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
(20) 2-1/4" $\varnothing$ bolts (A615-75 N; F_y =75 ksi, F_u =100 ksi) on 64.48" BC		P_{u_t} = 145.1	ϕP_{n_t} = 243.75 Stress Rating
Base Plate Data		V_u = 1.68	ϕV_n = 149.1 56.7%
70.48" OD x 2.75" Plate (A633-60; F_y =60 ksi, F_u =80 ksi)		M_u = n/a	ϕM_n = n/a Pass
Stiffener Data		Base Plate Summary	
N/A		Max Stress (ksi):	23.33 (Flexural)
Pole Data		Allowable Stress (ksi):	54
56" x 0.4375" 12-sided pole (A572-65; F_y =65 ksi, F_u =80 ksi)		Stress Rating:	41.1% Pass

Pier and Pad Foundation



BU # : 806953
 Site Name: BRG 2044 (A) 9430
 App. Number: 654638 Rev. 0

TIA-222 Revision: H
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	63.7	kips
Base Shear, V_{u_comp} :	33.27	kips
Moment, M_u :	3935.39	ft-kips
Tower Height, H :	160	ft
BP Dist. Above Fdn, bp_{dist} :	6	in
Bolt Circle / Bearing Plate Width, BC :	64.48	in

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	195.67	33.27	16.2%	Pass
Bearing Pressure (ksf)	30.00	2.41	8.0%	Pass
Overturning (kip*ft)	6390.64	4118.38	64.4%	Pass
Pad Flexure (kip*ft)	8047.81	1889.03	22.4%	Pass
Pad Shear - 1-way (kips)	1630.75	219.09	12.8%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.190	0.002	1.2%	Pass
Flexural 2-way (Comp) (kip*ft)	6537.76	0.00	0.0%	Pass

*Rating per TIA-222-H Section 15.5

Structural Rating*:	22.4%
Soil Rating*:	64.4%

Pad Properties		
Depth, D :	3.5	ft
Pad Width, W_1 :	26	ft
Pad Thickness, T :	5	ft
Pad Rebar Size (Top dir.2), Sp_{top2} :	8	
Pad Rebar Quantity (Top dir. 2), mp_{top2} :	18	
Pad Rebar Size (Bottom dir. 2), Sp_2 :	10	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	26	
Pad Clear Cover, cc_{pad} :	3	in

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

Soil Properties		
Total Soil Unit Weight, γ :	130	pcf
Ultimate Gross Bearing, Q_{ult} :	40.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	40	degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :	0.5	
Neglected Depth, N :	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	N/A	ft

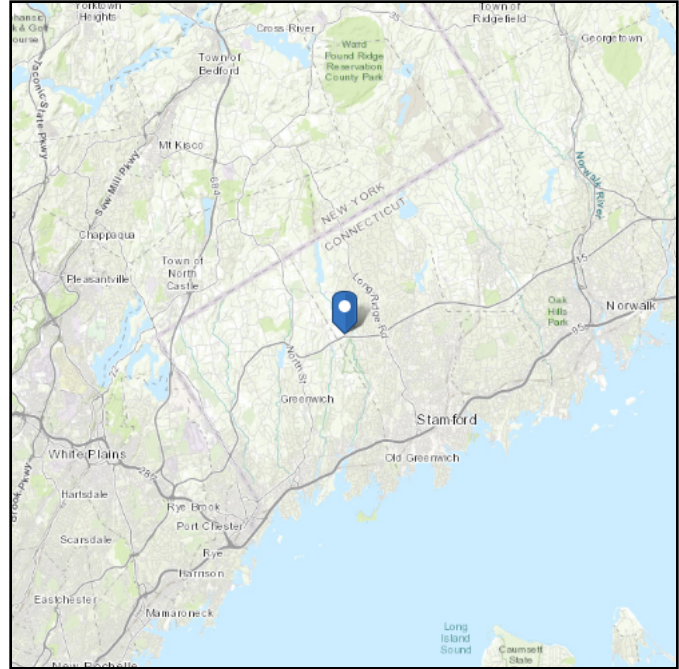
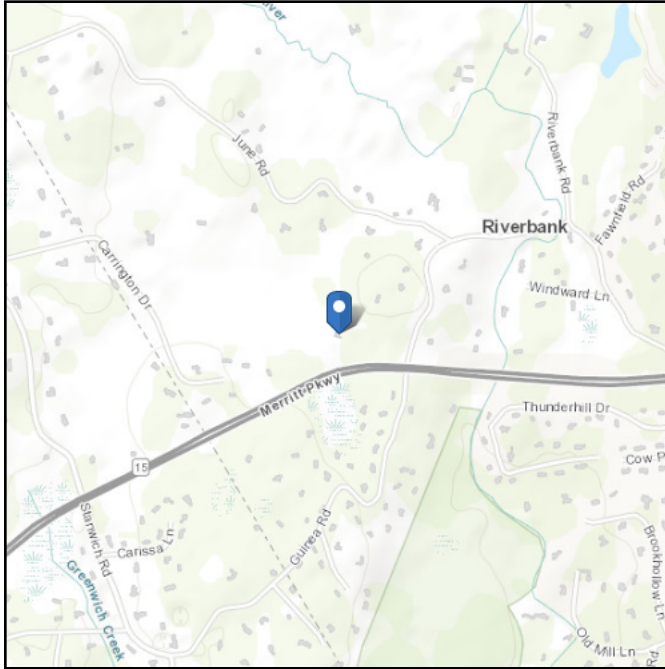
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ASCE 7 Hazards Report

Address:
No Address at This Location

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

Latitude: 41.10175
Longitude: -73.594444
Elevation: 245.1011906352326 ft (NAVD 88)



Wind

Results:

Wind Speed	116 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	97 Vmph

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

Date Accessed: 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).

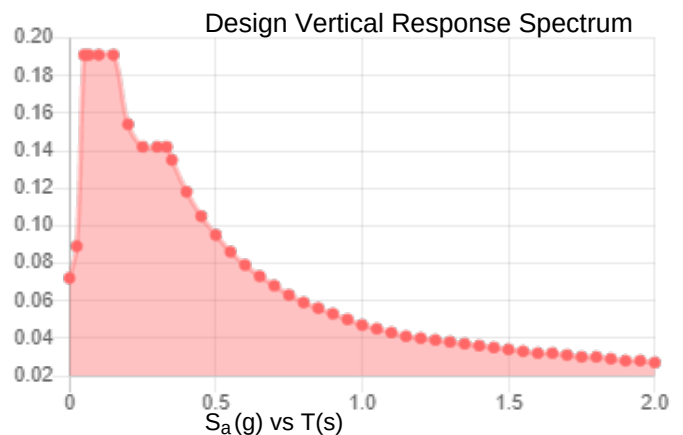
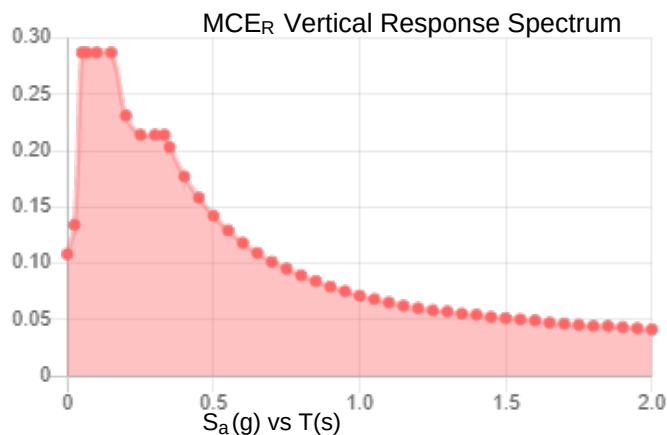
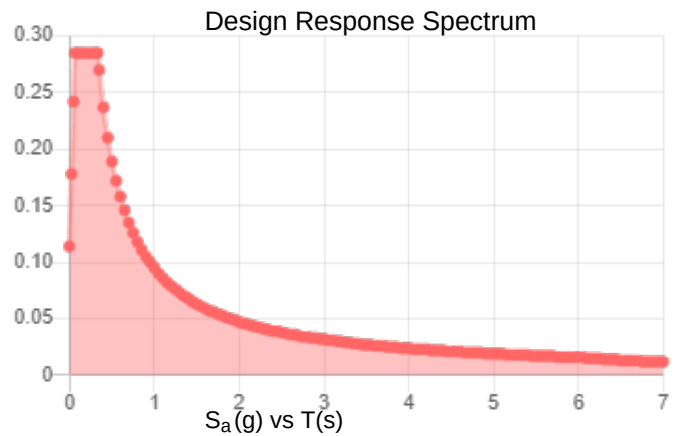
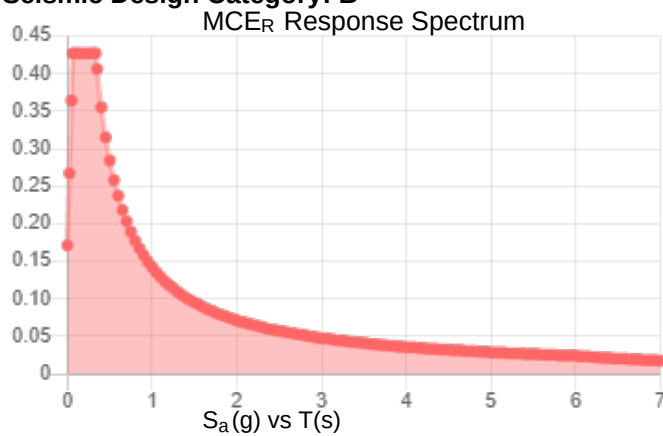
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class:

Results:

S_S :	0.27	S_{D1} :	0.095
S_1 :	0.059	T_L :	6
F_a :	1.584	PGA :	0.163
F_v :	2.4	PGA _M :	0.241
S_{MS} :	0.427	F_{PGA} :	1.473
S_{M1} :	0.142	I_e :	1
S_{DS} :	0.285	C_v :	0.839

Seismic Design Category: B



Data Accessed: Mon Jan 30 2023

Date Source:

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

Results:

Ice Thickness: 1.00 in.
Concurrent Temperature: 15 F
Gust Speed 50 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Mon 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.

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