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

March 21, 2024

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

RE: **Notice of Exempt Modification for Verizon Wireless: 5000383484**
Crown Site ID# 806361
131 Manor Road (a.k.a. Long Hill Road), Guilford, CT 06437
Latitude: 41° 19′ 48.09″ / Longitude: -72° 43′ 18.51″

Dear Ms. Bachman:

Verizon Wireless currently maintains fifteen (15) antennas at the 150-foot mount on the existing 150-foot monopole tower located at 131 Manor Road (a.k.a. Long Hill Road), Guilford, CT. The property is owned Bishop B W & Sons Inc and the tower is owned by Crown Castle. Verizon now intends to add four (4) interference mitigation filters at the 150ft level. This modification/proposal includes hardware that is both 4G (LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:

Install New:
(4) Kaelus BSF0020F3V1- Interference Mitigation Filters

The facility was approved by the Connecticut Siting Council, Docket No. 56, on April 14, 1986.

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 Matthew T. Hoey III, First Selectman, Town of Guilford and Anne Hartjen, Town Planner, Town of Guilford. Bishop B W & Sons Inc is the landowner and Crown Castle is the tower owner.

1. The proposed modifications will not result in an increase in the height of the existing tower.

2. The proposed modifications will not require the extension of the site boundary.

3. 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.

4. 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.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, Verizon Wireless 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: Jeffrey Barbadora.

Sincerely,

Jeffrey Barbadora
Permitting Specialist
1800 W. Park Drive
Westborough, MA 01581
(781) 970-0053
Jeff.Barbadora@crowncastle.com

Attachments
cc:

Matthew T. Hoey III, First Selectman
Town of Guilford
31 Park Street
Guilford, CT 06437
203-453-8015

Anne Hartjen, Town Planner
Town of Guilford
50 Boston Street
Guilford, CT 06437
203-453-8039

Bishop B W & Sons Inc
1355 Boston Post Road
Guilford, CT 06437

Crown Castle, Tower Owner

DOCKET NO. 56

AN APPLICATION OF METRO MOBILE CTS OF NEW HAVEN, INC., FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF FACILITIES TO PROVIDE CELLULAR SERVICE IN NEW HAVEN COUNTY.	:	CONNECTICUT SITING COUNCIL
	:	April 14, 1986

D E C I S I O N A N D O R D E R

Pursuant to the foregoing opinion, the Council hereby directs that a certificate of environmental compatibility and public need as required by section 16-50k of the General Statutes of Connecticut (CGS) be issued to Metro Mobile CTS of New Haven, Inc., for the construction, maintenance, and operation of cellular mobile phone telecommunication towers and associated equipment in the towns of Wolcott, Naugatuck, West Haven (existing tower), Milford, Hamden (existing tower), Guilford, and North Branford subject to the conditions below.

1. The proposed and alternate Beacon Falls sites are rejected without prejudice.
2. The Wolcott tower shall be constructed to meet Zone C wind loading with 1" of radial ice and shall not exceed 180' in height excluding antennas.
3. The Naugatuck tower shall not exceed 160' in height, excluding antennas. The certificate holder shall offer to remove the existing privately owned, unused tower now on the site.
4. Any future actions requiring the removal of the existing West Haven or Hamden towers to be shared by the certificate holder shall also apply to the equipment mounted on those towers by the certificate holder, regardless of that equipment's status under Chapter 277a of the CGS.

5. The Milford tower shall be a monopole structure not to exceed 100' in height, excluding antennas.
6. The Guilford tower shall be a monopole structure not to exceed 150' in height, excluding antennas.
7. The North Branford Route 17 site is rejected. The North Branford East Reeds Gap Road tower shall not exceed 160' in height, excluding antennas.
8. The certificate holder shall submit a development and management plan for the Wolcott, Naugatuck, Milford, Hamden, Guilford, and North Branford sites pursuant to sections 16-50j-75 through 16-50j-77 of the RSA, except that irrelevant items in section 16-50j-76 need only be identified as such. In addition to the requirements of section 16-50j-76, the D&M plan shall provide plans for evergreen screening around the fenced perimeter at the Wolcott, Milford, Hamden, Guilford, and North Branford sites. The D&M plan shall include a proposal for painting the approved monopole structures to blend with the sky. Any changes to specifications in the D&M plan must be approved by the Council prior to facility operation.
9. All certified facilities shall be constructed, operated, and maintained as specified in the Council's record and in the site development and management plan required by order 8.
10. The certificate holder shall permit public or private entities to share space on the towers approved herein, for due consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing. In addition to complying with 16-50j-73, the

certificate holder shall notify the Council of the addition of any equipment to any approved tower.

11. A fence not lower than 8' shall surround each tower and associated equipment.

12. Unless necessary to comply with order 13, below, no lights shall be installed on any of these towers.

13. The facilities' construction and any future tower sharing shall be in accordance with all applicable federal, state, and municipal laws and regulations. Shared uses by entities not subject to jurisdiction pursuant to sections 16-50i and 16-50k of the CGS shall be subject to all applicable federal, state, and municipal laws and regulations.

14. Construction activities shall take place during daylight working hours.

15. This decision and order shall be void and the towers and associated equipment shall be dismantled and removed, or reapplication for any new use shall be made to the CSC before any such new use is made, if the towers do not provide or permanently cease to provide cellular service following completion of construction.

16. This decision and order shall be void if all construction authorized herein is not completed within three years of the issuance of this decision, or within three years of the completion of any appeal if appeal of this decision is taken, unless otherwise approved by the Council.

Pursuant to CGS section 16-50p, we hereby direct that a copy of the decision and order shall be served on each person listed below. A notice

of the issuance shall be published in The Record-Journal, The New Haven Register, The Branford Review, The Evening Sentinel, The Waterbury American, and The Waterbury Republican.

The parties to this proceeding are:

Metro Mobile CTS of New Haven, Inc. (Applicant)
5 Eversley Avenue
Norwalk, Connecticut 06855

ATTN: Armand Mascioli
General Manager

Mr. Kevin B. Sullivan, Esq. (its attorneys)
Byrne, Slater, Sandler, Shulman & Rouse, P.C.
111 Pearl Street
P.O. Box 3216
Hartford, Connecticut 06103

Mr. Richard Rubin, Esq.
Fleischman and Walsh, P.C.
1725 N Street, N.W.
Washington, D.C. 20036

Guilford Conservation Commission represented by:

Mr. David B. Damer
Chairman
Guilford Conservation Commission
440 Great Hill Road
Guilford, Connecticut 06437

Mr. Robert W. Griswold, Jr.
100 Rimmon Hill Road
Beacon Falls, Connecticut 06403

Town of Hamden
Memorial Town Hall
2372 Whitney Avenue
Hamden, Connecticut 06518

ATTN: Shirley Gonzales
Town Planner

Guilford

Unique ID: 580 **Card No:** 1 Of 1

Location:	LONG HILL RD	Map Id:	090017	Zone:	R-5	Date Printed:	3/21/2024
		Neighborhood:	N051			Last Update:	3/21/2024

Owner Of Record	Volume/Page	Date	Sales Type	Valid	Sale Price
BISHOP B W & SONS INC	0131/0193	11/19/1987		No	0
1355 BOSTON POST RD, GUILFORD, CT 06437			Exempt		

Prior Owner History

Permit Number	Date	Permit Description
211567	3/22/2021	T-MOBILE PROPOSES TO MODIFY EXISTING ANTENNA ON THE EXISTING CELL TOWER
15-0598	9/9/2015	SWAP 3 EXISTING ANTENNA WITH 3 NEW APX16 DWV ANTENNA, 6 NEW 1 5/8" COAX LINES, SWAP EXISTING RADIO
15-0488	9/9/2015	REPLACING ANTENNA PANELS WITH NEW MODELS
12-6552	9/6/2012	INSTALL 3 ANTENNAS TO EXISTING TOWER AND INSTALL SUPPORT EQUIP TO EXISTING FACILITY

Supplemental Data

Census/Tract	1903	Cross Boarder Pro			
Dev Map ID		BAA / Court Stip	2007	4970	Starting Value
GIS ID					
Route					
District					
Utilities					

Appraised Value

Total Land Value	970,400
Total Building Value	0
Total Outbldg Value	0
Total Market Value	970,400

Acres

Land Type	Acres	490	Total Value
REAR	19.28	19.28	
ONE ACRE CELL SITE	1.00	0.00	
HOUSE LOT	0.92	0.92	
Total			970,400

State Item Codes

Code	Quantity	Value
COMMERCIAL LAND	1.00	385.020
USE FARM LAND	20.20	12.020

Assessment History (Prior Years as of Oct 1)

	2024	2023	2022	2021	2020
Land	397,040	397,040	397,040	391,500	391,500
Building	0	0	0	0	0
Outbuilding	0	0	0	0	0
Total	397,040	397,040	397,040	391,500	391,500

490 Appraised Totals

Type	Acres	Value	Type	Acres	Value
Tillable D	20.20	17170			
			Totals	20.20	17170

Application Date: 10/28/1973 Expiration Date: 10/28/1983

Comments

Information may be deemed reliable, but not guaranteed.

Revaluation Date: 10/1/2022

Unique ID: 580 Guilford Card No: 1 Of 1

Location:	LONG HILL RD
Map Id:	090017

General Description

Building Use
Units
Overall Condition
Class
Stories
Design (Style)
Construction
Year Built
Percent Complete

Finished Area

Foundation

Basement Area
Finished Basement
Garage Bays
Outside Entry
Sump Pump

HVAC

Heating Type
Fuel
Cooling Type

Interior

Floors
Attic Access
Walls
Bath Cond
Kitchen Cond

Exterior

Exterior

Roof Cover
Roof Type

Special Features

Type	Count/Area

Room Summary

Total	Bedroom	Kitchens	Full Baths	Half Baths

Description	Area/Qty

Attached Components

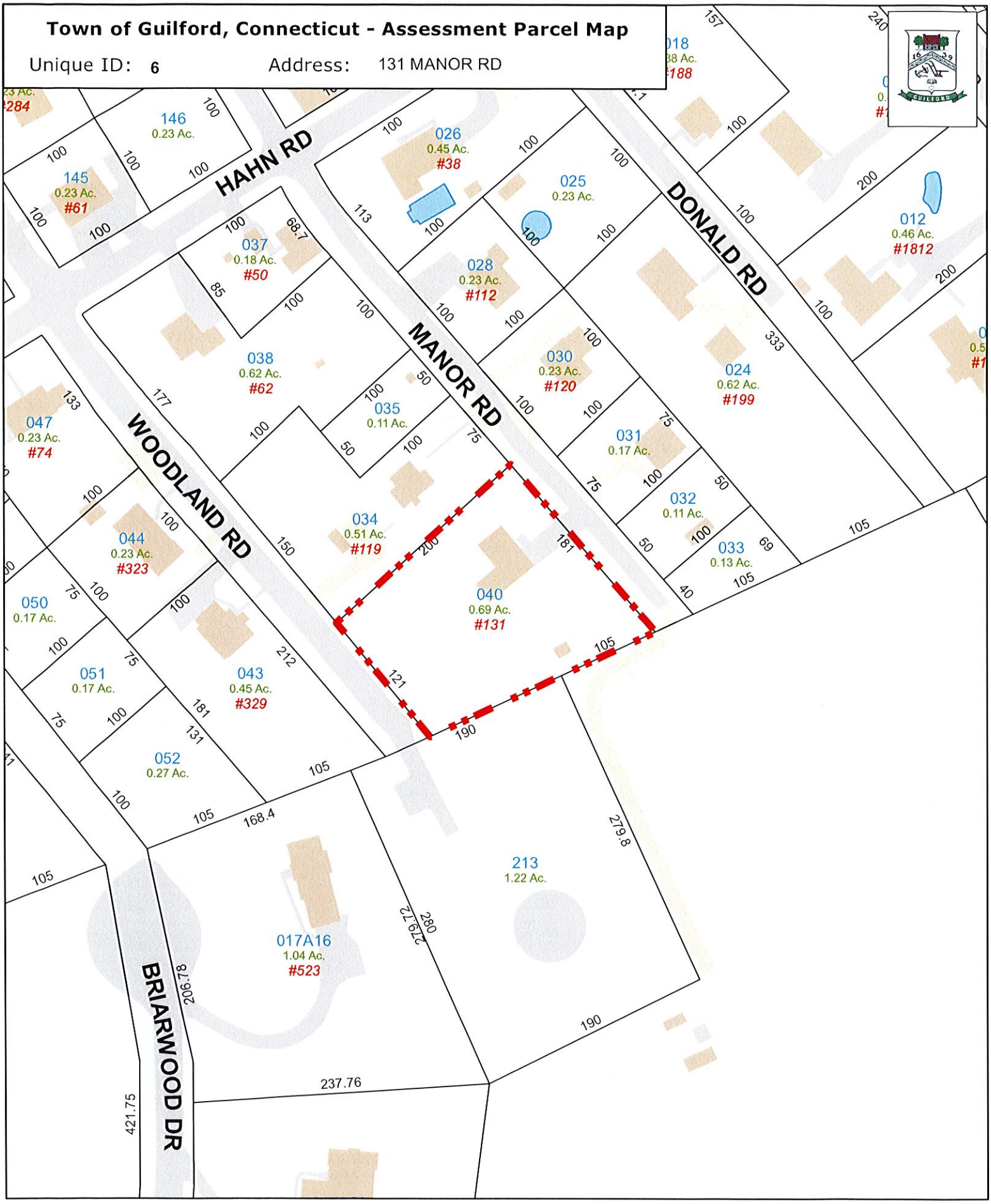
Type	Year	Area

Total Building Value:

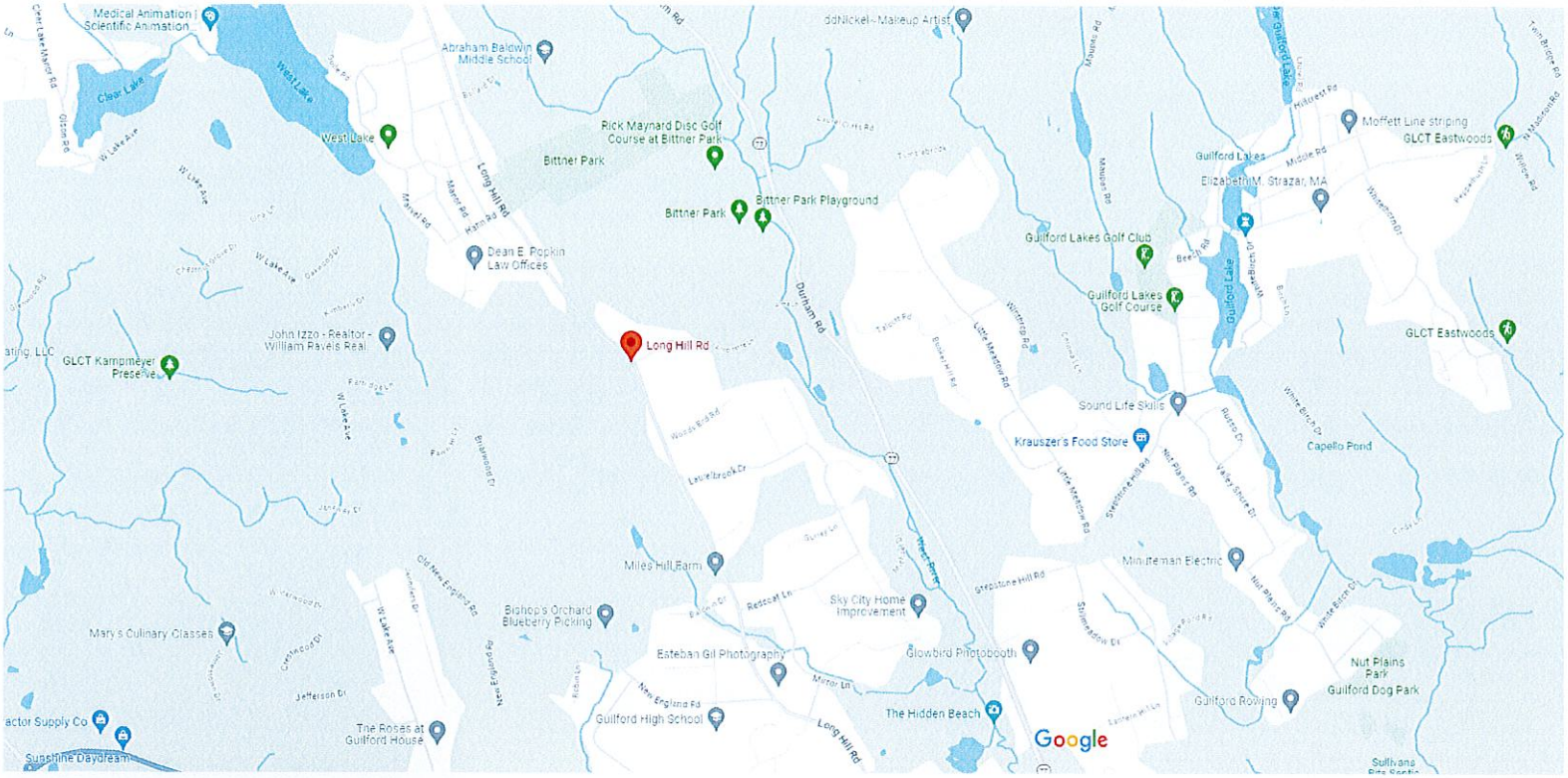
Detached Component Computations

Type	Year	Condition	Area/Qty

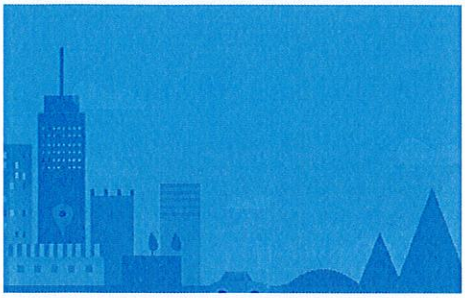
Type	Year	Condition	Area/Qty


Town of Guilford, Connecticut - Assessment Parcel Map
Unique ID: 6
Address: 131 MANOR RD
HAHN RD
MANOR RD
DONALD RD
WOODLAND RD
BRIARWOOD DR
145 0.23 Ac. #61
146 0.23 Ac.
026 0.45 Ac. #38
025 0.23 Ac.
037 0.18 Ac. #50
028 0.23 Ac. #112
012 0.46 Ac. #1812
038 0.62 Ac. #62
035 0.11 Ac.
030 0.23 Ac. #120
024 0.62 Ac. #199
047 0.23 Ac. #74
031 0.17 Ac.
032 0.11 Ac.
034 0.51 Ac. #119
044 0.23 Ac. #323
033 0.13 Ac.
040 0.69 Ac. #131
050 0.17 Ac.
051 0.17 Ac.
043 0.45 Ac. #329
052 0.27 Ac.
213 1.22 Ac.
017A16 1.04 Ac. #523
Approximate Scale: 1 inch = 100 feet
0 60 120 Feet
N
Map Produced: September 2020
Disclaimer:
This map is for informational purposes only.
All information is subject to verification by any user.
The Town of Guilford and its mapping contractors assume no legal responsibility for the information contained herein.

Long Hill Rd



Map data ©2024 1000 ft



Long Hill Rd

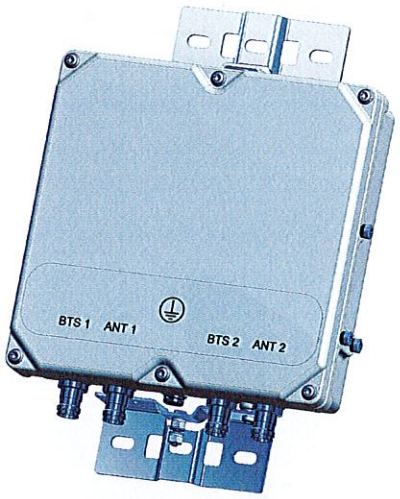
Directions Save Nearby Send to phone Share

Guilford, CT 06437

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

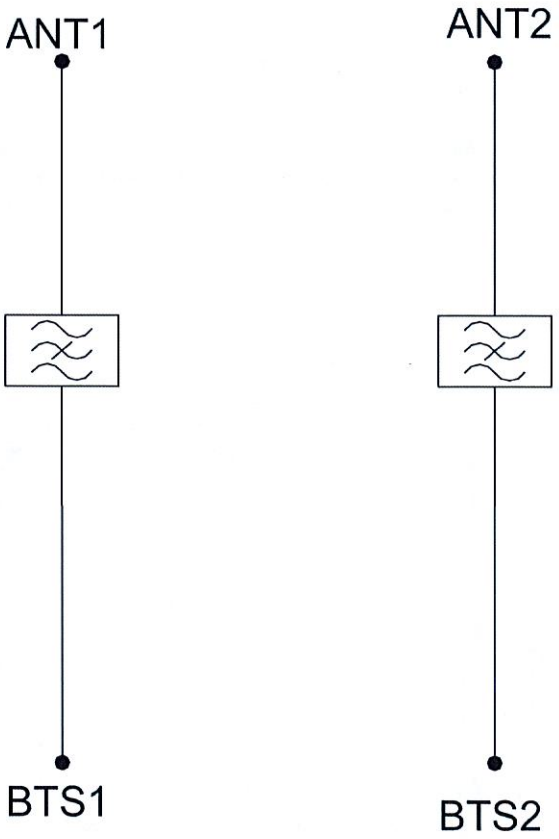
DC / AISG	
Passband	0 - 13MHz
Insertion loss	0.3dB maximum
Return loss	15dB minimum
Input voltage range	± 33V
DC current rating	2A continuous, 4A peak
Compliance	3GPP TS 25.461

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.

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

ELECTRICAL BLOCK DIAGRAM



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

Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Friday, March 22, 2024 2:03 PM
To: Barbadora, Jeff
Subject: FedEx Shipment 775641340819: Your package has been delivered

Hi. Your package was delivered Fri, 03/22/2024 at 1:56pm.

Delivered to 31 PARK ST, GUILFORD, CT 06437
Received by S.SCOTT

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	775641340819
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	Town of Guilford Matthew Hoey, First Selectman 31 Park Street GUILFORD, CT, US, 06437
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Thu 3/21/2024 05:53 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	GUILFORD, CT, US, 06437
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Standard Overnight

Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Friday, March 22, 2024 2:03 PM
To: Barbadora, Jeff
Subject: FedEx Shipment 775641365205: Your package has been delivered

FedEx

Hi. Your package was delivered Fri, 03/22/2024 at 1:56pm.

Delivered to 31 PARK ST, GUILFORD, CT 06437
Received by S.SCOTT

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	775641365205
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	Town of Guilford Anne Hartjen, Town Planner 50 Boston Post Road GUILFORD, CT, US, 06437
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Thu 3/21/2024 05:53 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	GUILFORD, CT, US, 06437
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Standard Overnight

Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Friday, March 22, 2024 1:24 PM
To: Barbadora, Jeff
Subject: FedEx Shipment 775641405360: Your package has been delivered

Hi. Your package was delivered Fri, 03/22/2024 at 1:16pm.

Delivered to 1355 BOSTON POST RD, GUILFORD, CT 06437
Received by K.KRISTA

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	775641405360
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	Bishop B W & Sons Bishop B W & Sons 1355 Boston Post Road GUILFORD, CT, US, 06437
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Thu 3/21/2024 05:53 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	GUILFORD, CT, US, 06437
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Standard Overnight

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 #: 10206437
Colliers Engineering & Design CT, PC Project #:23777106

July 12, 2023

Site Information	*Site ID:*	*5000383484-VZW / GUILFORD CT*
	Site Name:	*GUILFORD CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*131 Manor Rd.*
		Guilford, Connecticut 06437
		New Haven County
	Latitude:	*41.330097°*
	Longitude:	*-72.721763°*
Structure Information	*Tower Type:*	*152-Ft Monopole*
	Mount Type:	*13.50-Ft Platform*

FUZE ID # 17123729

Analysis Results

Platform: **87.2% Pass***

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

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

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

Report Prepared By: Jared Adkins

Digitally signed by Derek Hartzell
Date: 2023.07.12 08:28:44-07'00'

STATE OF CONNECTICUT
DEREK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER

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: 324008, Dated May 16, 2022*
Mount Mapping Report	*TTS Wireless/Amdocs., Site ID: 806361, Dated April 29, 2022*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 22777024 Rev 1 Dated May 4, 2023*
Final Loading Configuration	*Filter Add Scope Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	125 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.990
Seismic Parameters:	S_S:	0.204 g
	S_1:	0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
149.50	151.90	6	JMA Wireless	MX06FRO660-03	Retained
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		1	Raycap	RVZDC-6627-PF-48*	
		6	Amphenol Antel	LPA-80063/6CF 5	
		4	KAelus	BSF0020F3V1-1	Added

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

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	59.8 %	Pass
Standoff	21.8 %	Pass
Corner Plate	49.4 %	Pass
Face Angle	87.2 %	Pass
Support Rail	82.1 %	Pass
Pipe Vertical	73.0 %	Pass
Crossbrace Channel	16.7 %	Pass
Crossbrace Angle	4.9 %	Pass
Mount Pipe	21.3 %	Pass
Kicker	11.9 %	Pass
Brace Angle	39.9 %	Pass
Mount Connection	44.5 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**87.2%**

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	70.6	68.4	84.9	82.7
0.5	84.6	87.3	107.7	105.0
1	99.2	102.4	128.8	125.7

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

Requirements:

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

Contractor to remove bracing pipes in Position 1 and connecting Positions 4 and 5 of all sectors.

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

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

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MDG #: 5000383484 SMART Project #: 10206804 Fuze Project ID: 17123729

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 remove bracing pipes in Position 1 and connecting Positions 4 and 5 of all sectors.

Response:

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

☐ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

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

Comments:

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

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

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

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

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

Structure: 5000383484-VZW - GUILFORD CT

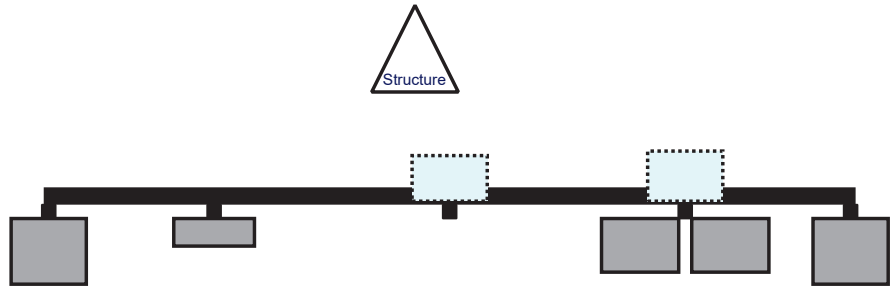
Sector: **A** 7/10/2023

Structure Type: Monopole 10206804

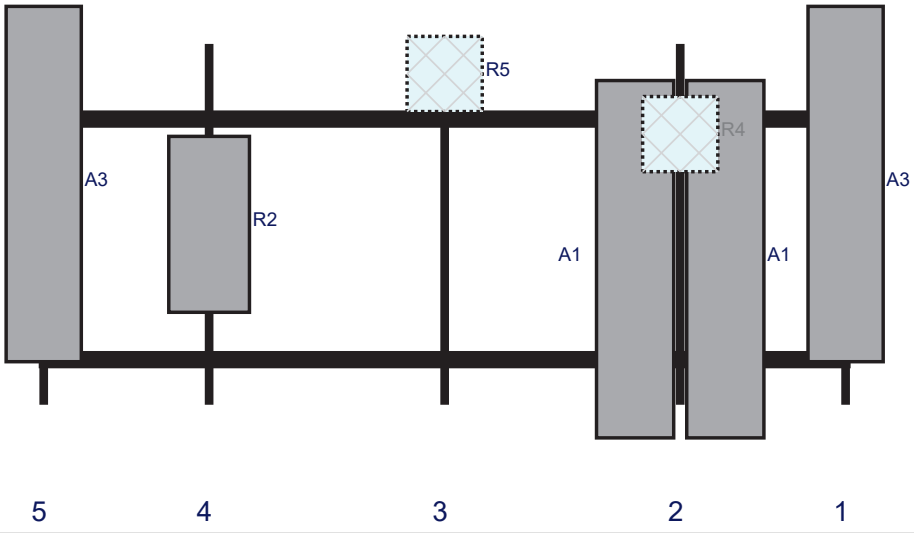
Mount Elev: 149.50 Page: 1

Colliers Engineering & Design

Plan View

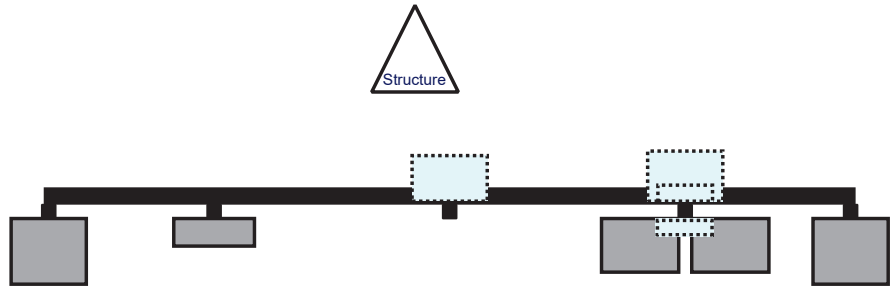


Front View - Looking at Structure

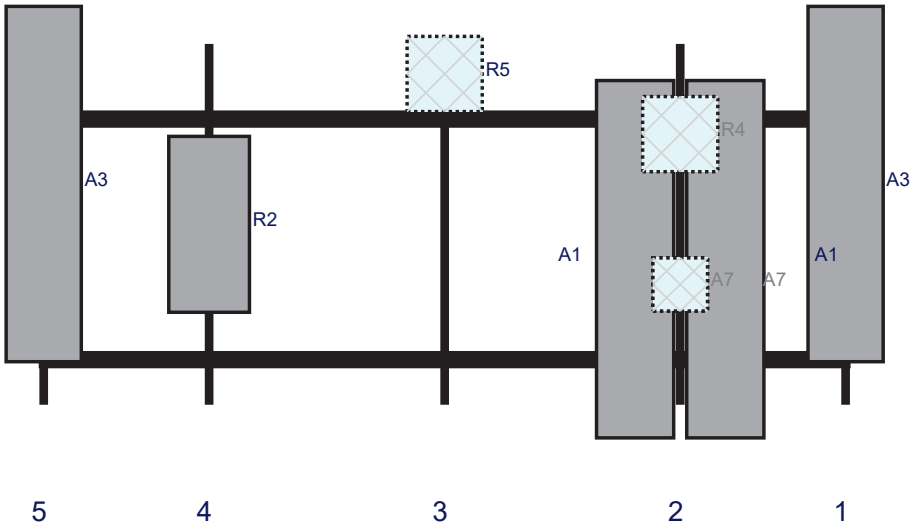


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LPA-80063/6CF 5	70.9	15	161	1	a	Front	27.96	0	Retained	04/29/2022
A1	MX06FRO660-03	71.3	15.4	128	2	a	Front	42.96	-9	Retained	
A1	MX06FRO660-03	71.3	15.4	128	2	b	Front	42.96	9	Retained	
R4	RF4439d-25A	15	15	128	2	a	Behind	18	0	Retained	
R5	RF4440d-13A	15	15	81	3	a	Behind	6	0	Retained	
R2	MT6407-77A	35.1	16.1	34	4	a	Front	36	0	Retained	
A3	LPA-80063/6CF 5	70.9	15	1	5	a	Front	27.96	0	Retained	04/29/2022

Plan View

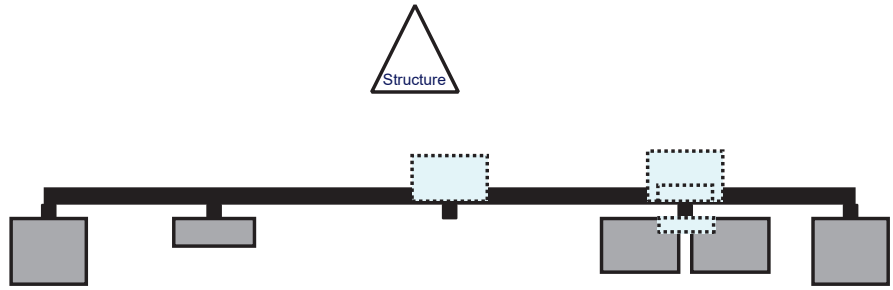


Front View - Looking at Structure

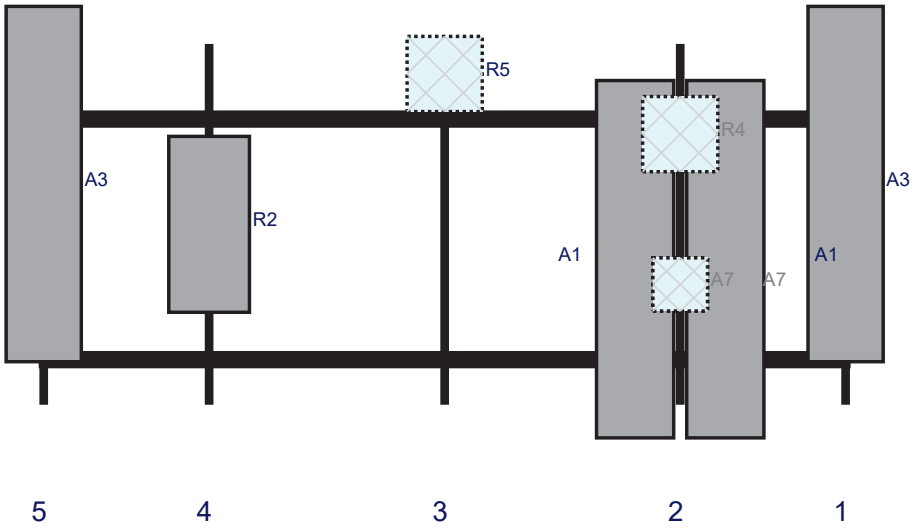


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LPA-80063/6CF 5	70.9	15	161	1	a	Front	27.96	0	Retained	04/29/2022
A1	MX06FRO660-03	71.3	15.4	128	2	a	Front	42.96	-9	Retained	
A1	MX06FRO660-03	71.3	15.4	128	2	b	Front	42.96	9	Retained	
R4	RF4439d-25A	15	15	128	2	a	Behind	18	0	Retained	
A7	BSF0020F3V1-1	10.6	10.9	128	2	a	Behind	48	0	Added	
A7	BSF0020F3V1-1	10.6	10.9	128	2	b	Front	48	0	Added	
R5	RF4440d-13A	15	15	81	3	a	Behind	6	0	Retained	
R2	MT6407-77A	35.1	16.1	34	4	a	Front	36	0	Retained	
A3	LPA-80063/6CF 5	70.9	15	1	5	a	Front	27.96	0	Retained	04/29/2022

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
A3	LPA-80063/6CF 5	70.9	15	161	1	a	Front	27.96	0	Retained	04/29/2022
A1	MX06FRO660-03	71.3	15.4	128	2	a	Front	42.96	-9	Retained	
A1	MX06FRO660-03	71.3	15.4	128	2	b	Front	42.96	9	Retained	
R4	RF4439d-25A	15	15	128	2	a	Behind	18	0	Retained	
A7	BSF0020F3V1-1	10.6	10.9	128	2	a	Behind	48	0	Added	
A7	BSF0020F3V1-1	10.6	10.9	128	2	b	Behind	48	0	Added	
R5	RF4440d-13A	15	15	81	3	a	Behind	6	0	Retained	
R2	MT6407-77A	35.1	16.1	34	4	a	Front	36	0	Retained	
A3	LPA-80063/6CF 5	70.9	15	1	5	a	Front	27.96	0	Retained	04/29/2022

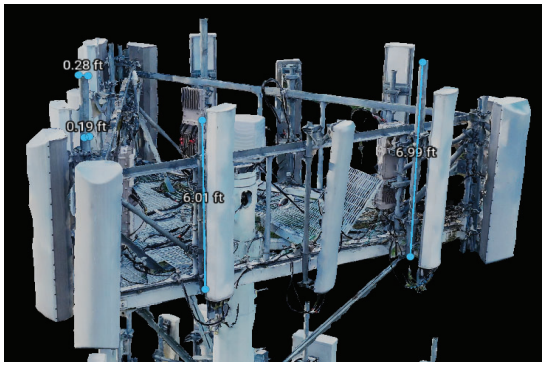
V4.1 Updated on 12-17-2021

Antenna Mount Mapping Form (PATENT PENDING)

Colliers Engineering & Design

FCC #
N/A

Tower Owner:	CROWN CASTLE	**Mapping Date:**	4/29/2022
Site Name:	GUILLFORD CT	**Tower Type:**	Monopole
Site Number or ID:	806361	**Tower Height (Ft.):**	152
Mapping Contractor:	TTS Wireless / Amdocs	**Mount Elevation (Ft.):**	149



Mount Pipe Configuration and Geometries [Unit = Inches]

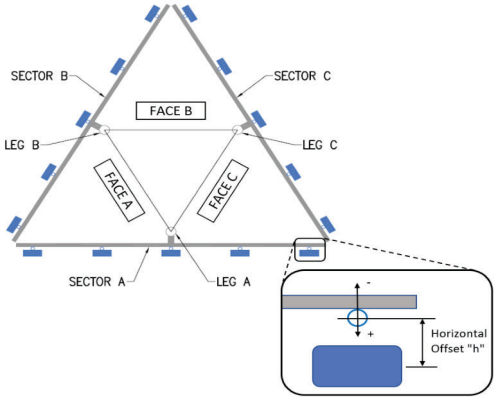
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2 3/8"Øx 72" +/- 0.5"	61.00	0.00	C1	2 3/8"Øx 72" +/- 0.5"	61.00	0.00
A2	3 3/8"Øx 84" +/- 0.5"	81.00	34.50	C2	3 3/8"Øx 84" +/- 0.5"	81.00	34.50
A3	2 3/8"Øx 72" +/- 0.5"	61.00	80.00	C3	2 3/8"Øx 72" +/- 0.5"	61.00	80.00
A4	2 3/8"Øx 72" +/- 0.5"	70.00	124.50	C4	2 3/8"Øx 72" +/- 0.5"	70.00	124.50
A5	2 3/8"Øx 72" +/- 0.5"	61.00	161.00	C5	2 3/8"Øx 72" +/- 0.5"	61.00	161.00
A6				C6			
B1	2 3/8"Øx 72" +/- 0.5"	61.00	0.00	D1			
B2	3 3/8"Øx 84" +/- 0.5"	81.00	34.50	D2			
B3	2 3/8"Øx 72" +/- 0.5"	61.00	80.00	D3			
B4	2 3/8"Øx 72" +/- 0.5"	70.00	124.50	D4			
B5	2 3/8"Øx 72" +/- 0.5"	61.00	161.00	D5			
B6				D6			

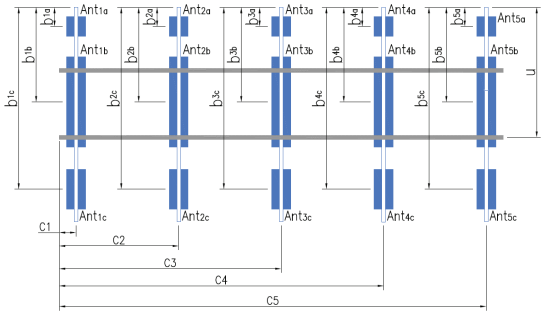
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	0
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	5

Please enter additional infomation or comments below.

Tolerances for measurements: Dimensions= +/- 0.5"; Degrees= +/- 1 degree

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	16



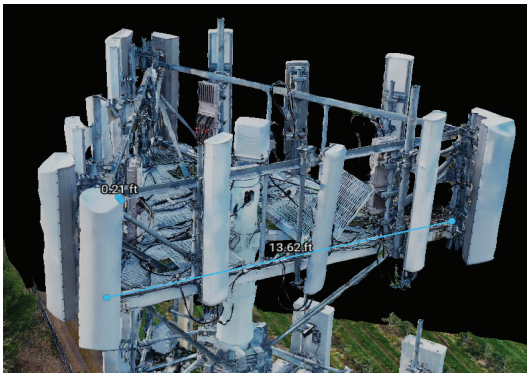


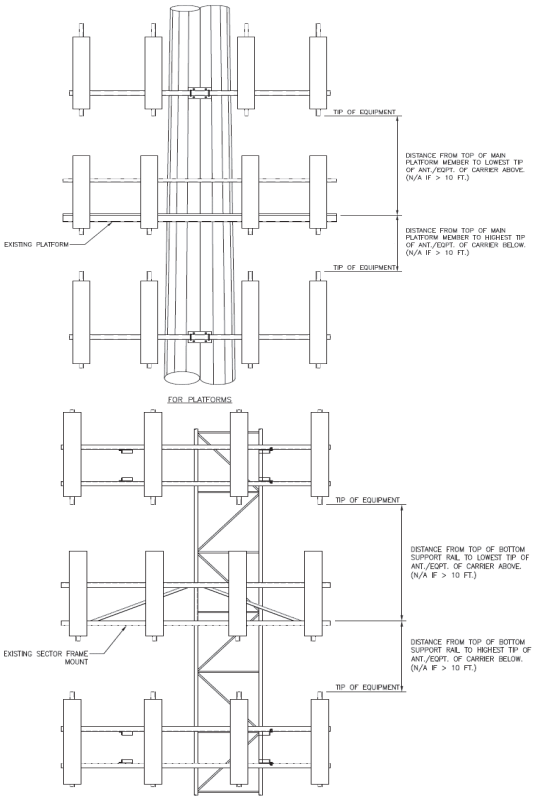
Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	ANTEL LPA-80063/6C	14.96	13.07	70.87		151	32.00	13.00	298.00	1.1
Ant_{1c}										
Ant_{2a}	ALU RRH 2X60 AWS	10.63	5.75	36.61			45.50	-13.00		1.2
Ant_{2b}	ANDREW HBXX-6517I	12.01	6.54	75.04		151	46.50	10.00	265.00	1.1
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	ANTEL BXA-70063-6C	11.30	6.00	71.00		151	32.00	14.00	265.00	1.1
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	ANDREW HBXX-6517I	12.01	6.54	75.04		151	31.00	9.00	288.00	1.1
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	ANTEL LPA-80063/6C	14.96	13.07	70.87		151	32.00	13.00	317.00	1.1
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	350.00	Deg	Leg A:		Deg
Sector B:	120.00	Deg	Leg B:		Deg
Sector C:	240.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	150.00	Deg	Sector B
Climbing Facility	Corrosion Type:		Moderate corrosion observed.
	Access:		Climbing path was obstructed.
	Condition:		Missing safety cable.





Sector B										
Ant_{1a}										
Ant_{1b}	ANTEL LPA-80063/6C	14.96	13.07	70.87		151	32.00	13.00	48.00	2.1
Ant_{1c}										
Ant_{2a}	ALU RRH 2X60 AWS	10.63	5.75	36.61			45.50	-13.00		2.2
Ant_{2b}	ANDREW HBXX-6517I	12.01	6.54	75.04		151	46.50	10.00	33.00	2.1
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	ANTEL BXA-70063-6C	11.30	6.00	71.00		151	32.00	14.00	33.00	2.1
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	ANDREW HBXX-6517I	12.01	6.54	75.04		151	31.00	9.00	33.00	2.1
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	ANTEL LPA-80063/6C	14.96	13.07	70.87		151	32.00	13.00	87.00	2.1
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	ANTEL LPA-80063/6C	14.96	13.07	70.87		151	32.00	13.00	166.00	3.1
Ant_{1c}										
Ant_{2a}	ALU RRH 2X60 AWS	10.63	5.75	36.61			45.50	-13.00		3.2
Ant_{2b}	ANDREW HBXX-6517I	12.01	6.54	75.04		151	46.50	10.00	157.00	3.1
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	ANTEL BXA-70063-6C	11.30	6.00	71.00		151	32.00	14.00	140.00	3.1
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	ANDREW HBXX-6517I	12.01	6.54	75.04		151	31.00	9.00	175.00	3.1
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	ANTEL LPA-80063/6C	14.96	13.07	70.87		151	32.00	13.00	195.00	3.1
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	Informational- Mount Pipes ISO view. Sector (A, B,C)	4.1-4.3
2	Informational- Mount centerlines between sectors (A,B,C)	5.1-5.3
3	Informational- Sector mount connection- Tower connection	6.1-6.3
4	Informational- Gate	7
5	Informational- Coax	8
6	Informational- 5' below mount pictures	9.1-9.3
7	Safety climb cable appears to be missing.	10
8		

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

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

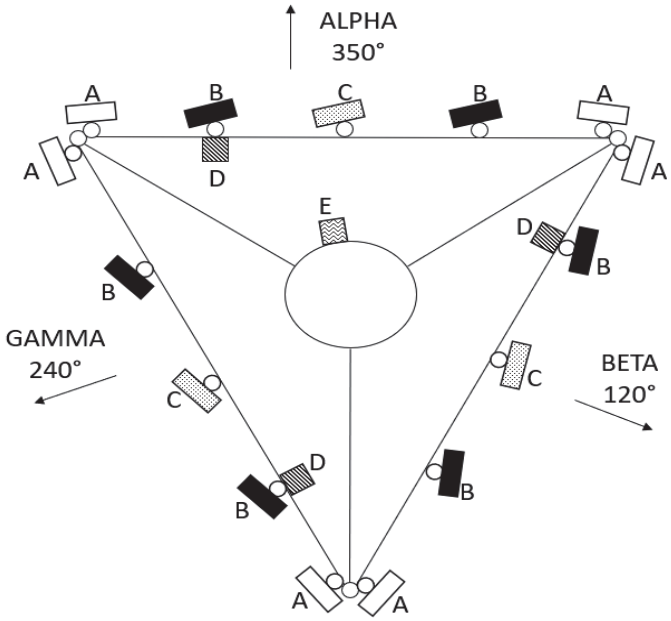
Antenna Mount Mapping Form (PATENT PENDING)

FCC # N/A

Tower Owner:	CROWN CASTLE	**Mapping Date:**	4/29/2022
Site Name:	GUILLFORD CT	**Tower Type:**	Monopole
Site Number or ID:	806361	**Tower Height (Ft.):**	152
Mapping Contractor:	TTS Wireless / Amdocs	**Mount Elevation (Ft.):**	149

Please Insert Sketches of the Antenna Mount

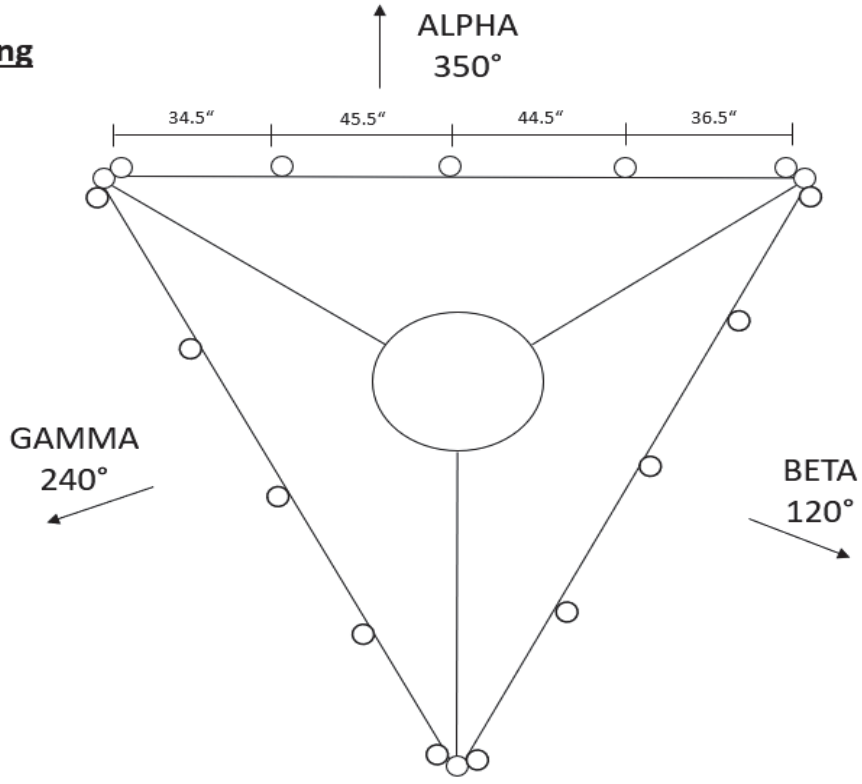
PLAN VIEW- Loading



LOADING:

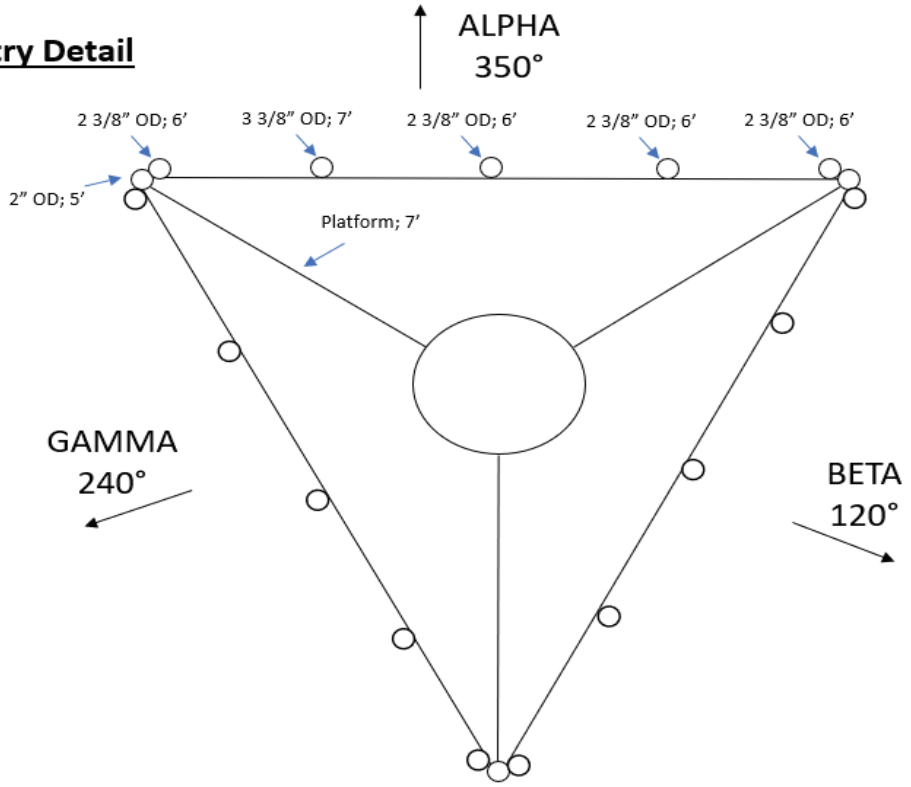
A. ANTEL LPA-80063/6CF: 14.96" x 13.07" x 70.87"
B. ANDREW HBXX-6517DSA2M: 12.01" x 6.54" x 75.04"
C. ANTEL BXA-70063-6CF-2: 11.3" x 6" x 71"
D. ALU RRH 2X60 AWS: 10.63" x 5.75" x 36.61"
E. RAYCAP RRFDC-3315-PF-48: 15.73" x 10.3" x 28.93"

PLAN VIEW- Pipe spacing

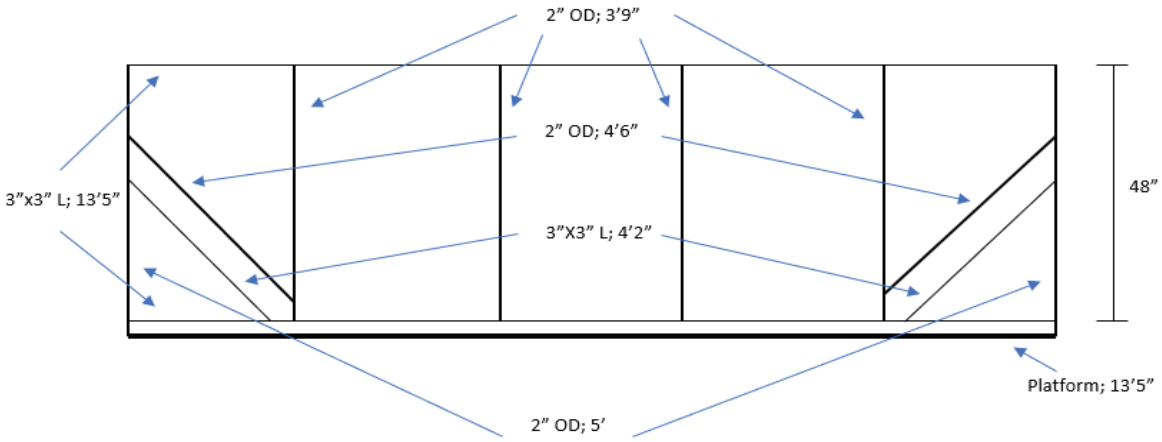


Please Insert Sketches of the Antenna Mount, cont'd

PLAN VIEW- Geometry Detail

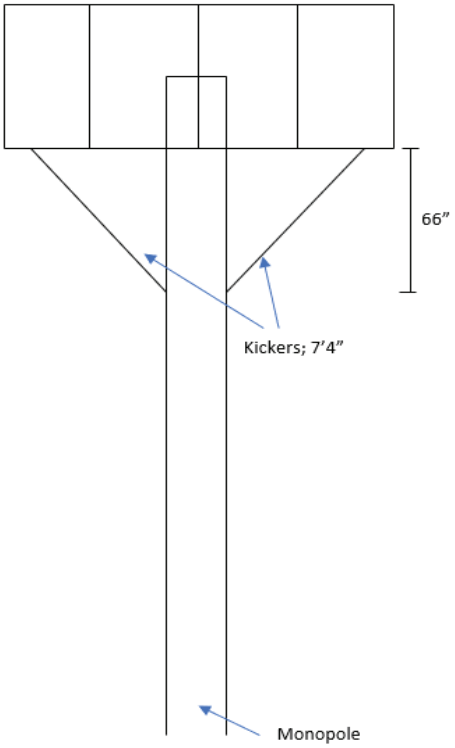


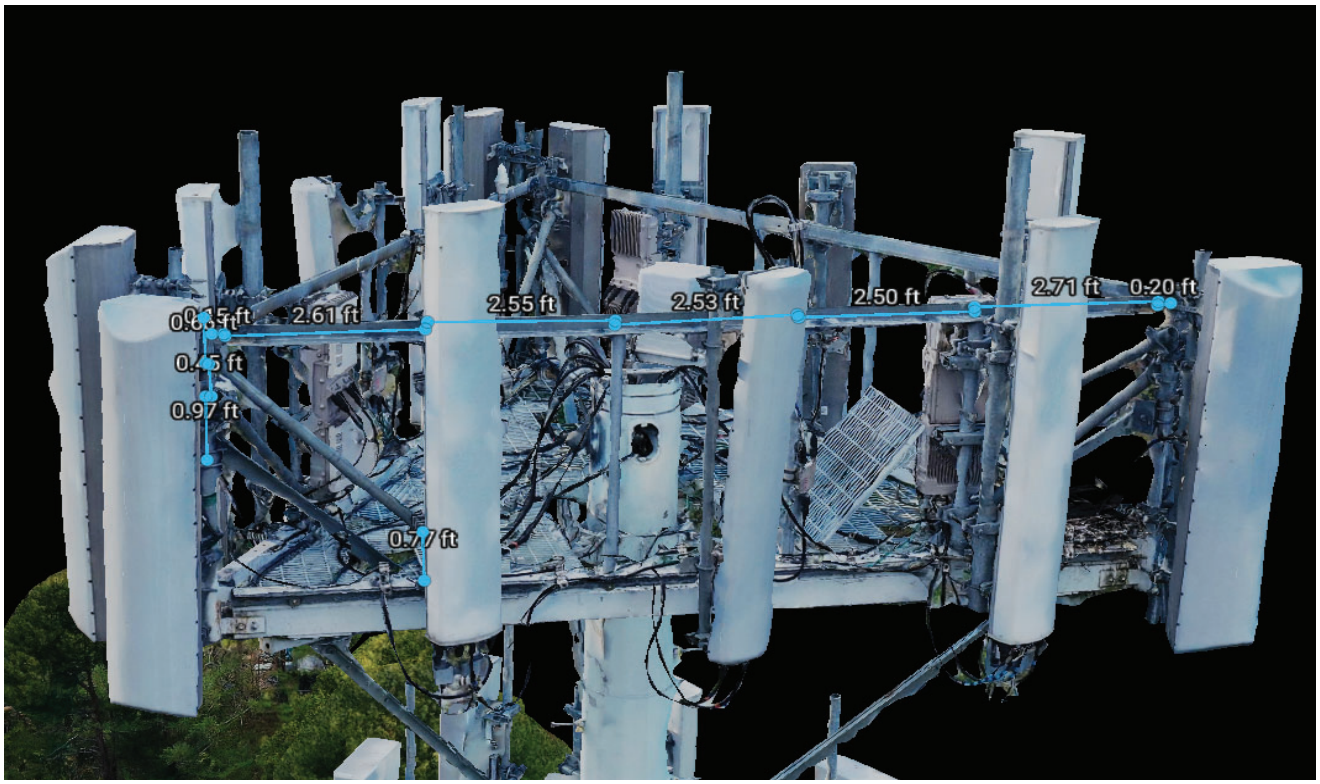
DETAILED VIEW- Mount Elevation



Please Insert Sketches of the Antenna Mount, cont'd

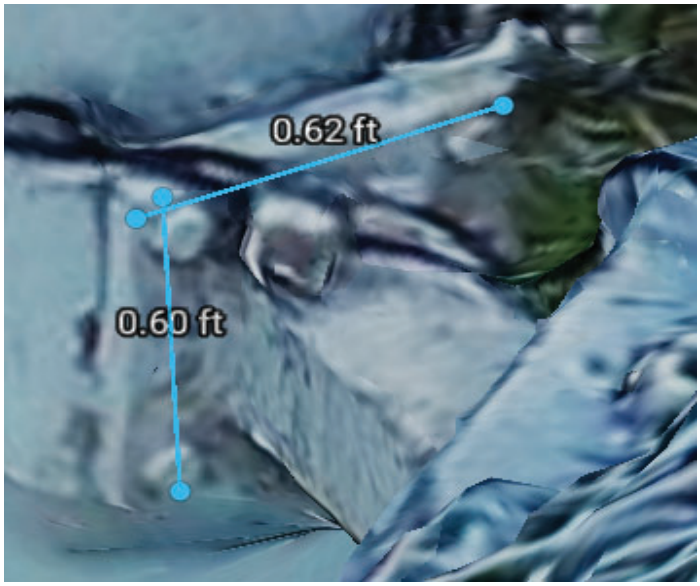
DETAILED VIEW- Kicker (Elevation)



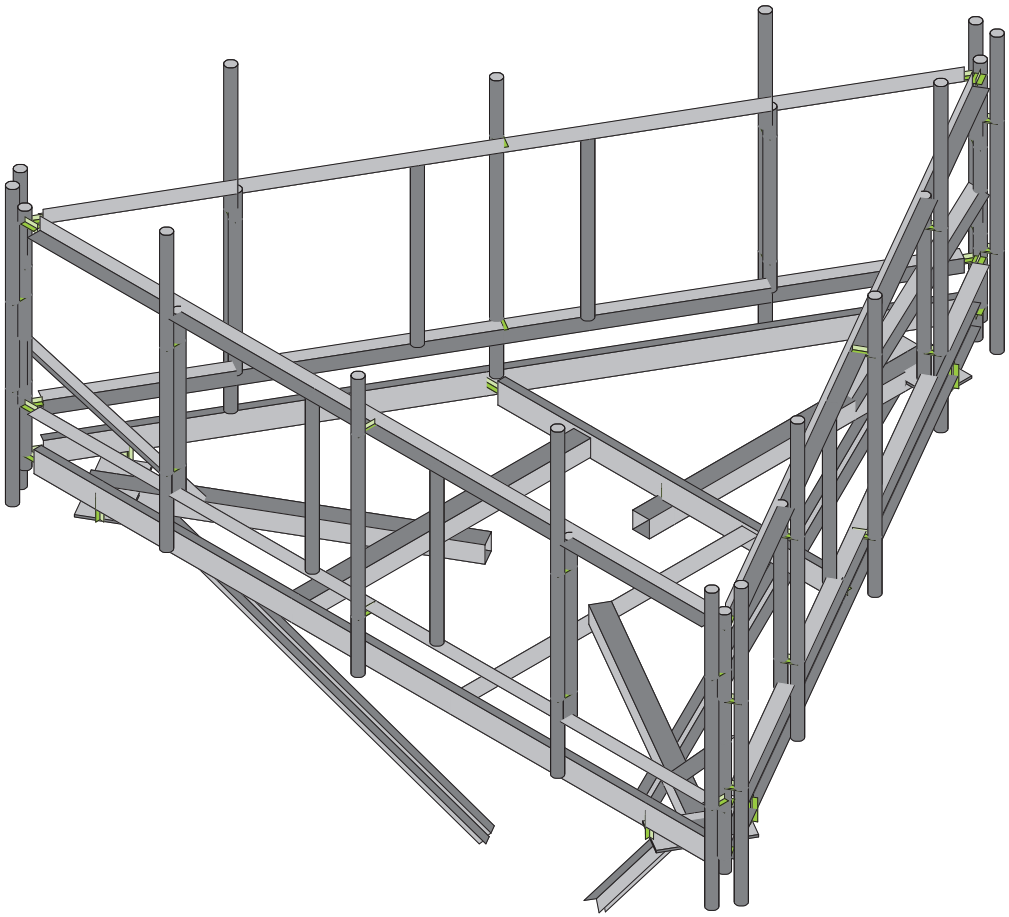


Picture #11 - Connection Details

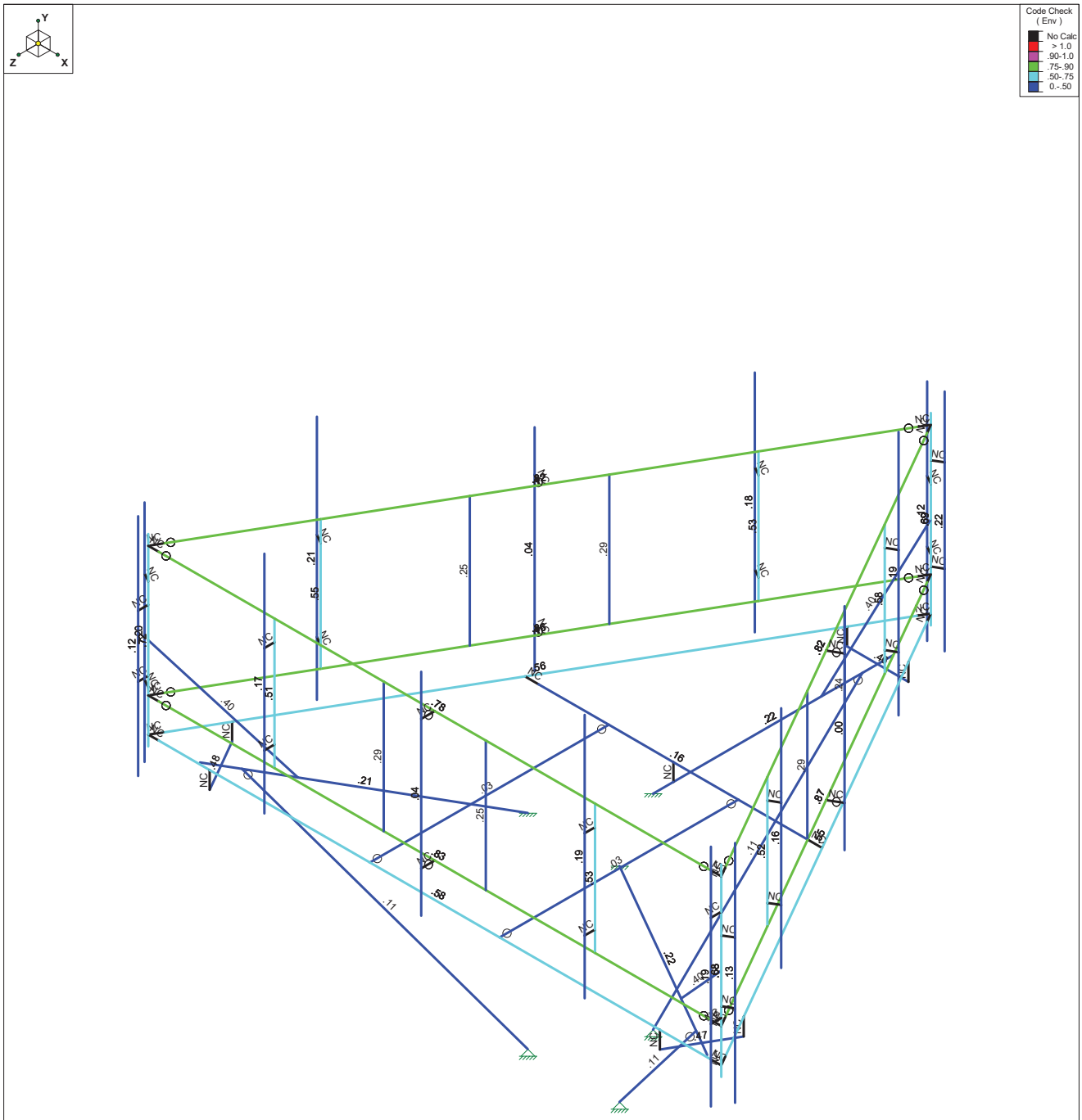
Please Insert Sketches of the Antenna Mount, cont'd



Picture #12 - Flange Plate Dimensions

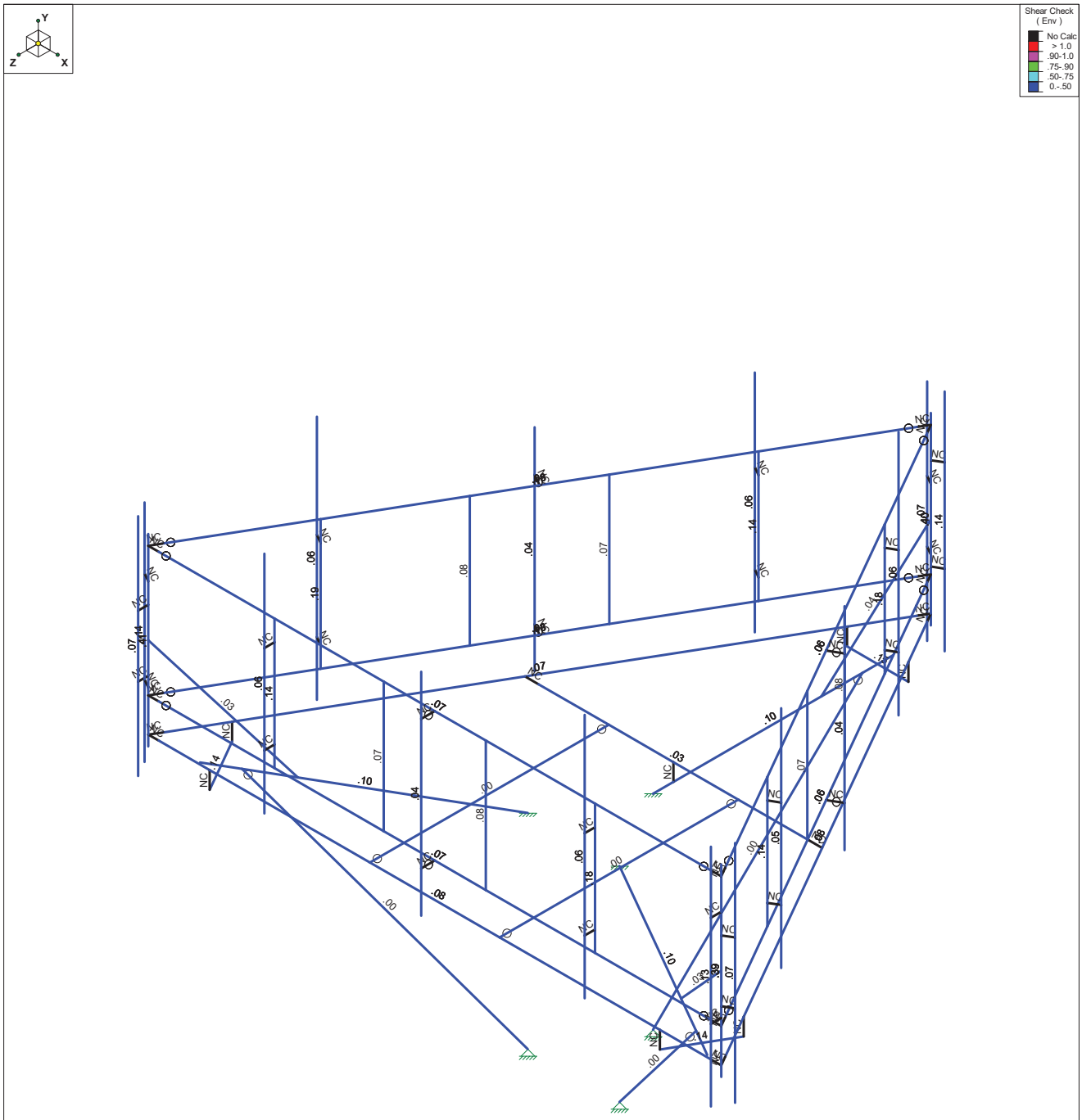


		SK - 1
		July 10, 2023 at 12:28 PM
		5000383484-VZW_MT_LO_H.r3d



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

		SK - 2
		July 10, 2023 at 12:28 PM
		5000383484-VZW_MT_LO_H.r3d



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

		SK - 3
		July 10, 2023 at 12:28 PM
		5000383484-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						
40	Structure Di	None						54		
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		-.041						
85	Structure Eh (0 Deg)	ELZ			-.101					
86	Structure Eh (90 Deg)	ELX	.101							

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...
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								
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										

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..
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..		Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0..		Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0..		Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0..		Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0..		Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0..		Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0..		Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0..		Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0..		Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0..		Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0..		Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0..		Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0...		Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0...		Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0...		Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0...		Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0...		Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0...		Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0...		Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0...		Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0...		Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0...		Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0...		Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0...		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	6.75	0	4.041452	0	
2	N142A	-6.75	0	4.041452	0	
3	N152B	0.	0	-0.	0	
4	N153A	0.	-0.416667	-1.294663	0	
5	N211A	5.666506	4.083333	4.041452	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
6	N176	-7.	0	4.041452	0	
7	N177	-0.125	0	-7.866398	0	
8	N178	-6.875	0	3.824945	0	
9	N179	7.	0	4.041452	0	
10	N180	6.875	0	3.824945	0	
11	N181	0.125	0	-7.866398	0	
12	N189	0.	0	-8.082904	0	
13	N186	-5.5	0	4.041452	0	
14	N187A	5.5	0	4.041452	0	
15	N189B	6.25	0	2.742414	0	
16	N190	0.75	0	-6.783866	0	
17	N192	-0.75	0	-6.783866	0	
18	N193	-6.25	0	2.742414	0	
19	N192B	-5.5	-0.416667	4.041452	0	
20	N193B	5.5	-0.416667	4.041452	0	
21	N194	6.25	-0.416667	2.742414	0	
22	N195	0.75	-0.416667	-6.783866	0	
23	N196	-0.75	-0.416667	-6.783866	0	
24	N197	-6.25	-0.416667	2.742414	0	
25	N198	0.	-0.416667	-6.783866	0	
26	N199	0.	-0.416667	-7.158866	0	
27	N200A	-1.12121	-0.416667	0.647331	0	
28	N201A	-5.875	-0.416667	3.391933	0	
29	N202A	-6.199759	-0.416667	3.579433	0	
30	N204	1.121211	-0.416667	0.647331	0	
31	N205A	5.875	-0.416667	3.391933	0	
32	N206A	6.19976	-0.416667	3.579433	0	
33	N60	6.75	0.833333	4.041452	0	
34	N61	-6.75	0.833333	4.041452	0	
35	N62	-7.	0.833333	4.041452	0	
36	N63	-0.125	0.833333	-7.866398	0	
37	N64	-6.875	0.833333	3.824945	0	
38	N65	7.	0.833333	4.041452	0	
39	N66	6.875	0.833333	3.824945	0	
40	N67	0.125	0.833333	-7.866398	0	
41	N68	0.	0.833333	-8.082904	0	
42	N69	6.75	4	4.041452	0	
43	N70	-6.75	4	4.041452	0	
44	N71	-7.	4	4.041452	0	
45	N72	-0.125	4	-7.866398	0	
46	N73	-6.875	4	3.824945	0	
47	N74	7.	4	4.041452	0	
48	N75	6.875	4	3.824945	0	
49	N76	0.125	4	-7.866398	0	
50	N77	0.	4	-8.082904	0	
51	N78	-7.	4.25	4.041452	0	
52	N79	7.	4.25	4.041452	0	
53	N80	0.	4.25	-8.082904	0	
54	N81	-7.	-.25	4.041452	0	
55	N82	7.	-.25	4.041452	0	
56	N83	0.	-.25	-8.082904	0	
57	N84	-1.25	0.833333	4.041452	0	
58	N85	1.25	0.833333	4.041452	0	
59	N87	4.125	0.833333	-0.938194	0	
60	N88	2.875	0.833333	-3.103258	0	
61	N90	-2.875	0.833333	-3.103258	0	
62	N91	-4.125	0.833333	-0.938194	0	
63	N90A	-1.25	4	4.041452	0	
64	N91A	1.25	4	4.041452	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
65	N92	4.125	4	-0.938194	0	
66	N93	2.875	4	-3.103258	0	
67	N94	-2.875	4	-3.103258	0	
68	N95	-4.125	4	-0.938194	0	
69	N96	-1.583333	0	4.041452	0	
70	N97	1.583334	0	4.041452	0	
71	N98	0.	-0.416667	-1.794663	0	
72	N98A	-3.630517	0	-1.794663	0	
73	N99	3.630518	0	-1.794663	0	
74	N98B	-3.297184	0	-1.794663	0	
75	N99A	3.297185	0	-1.794663	0	
76	N100	0.	0	-1.794663	0	
77	N101	-1.583333	0	-1.819715	0	
78	N102	1.583334	0	-1.819715	0	
79	N103	-3.916666	0.833333	4.041452	0	
80	N104	3.916667	0.833333	4.041452	0	
81	N106	5.458334	0.833333	1.371207	0	
82	N107	1.541667	0.833333	-5.412659	0	
83	N109	-1.541666	0.833333	-5.412659	0	
84	N110	-5.458333	0.833333	1.371207	0	
85	N109A	-3.916666	4	4.041452	0	
86	N110A	3.916667	4	4.041452	0	
87	N111	5.458334	4	1.371207	0	
88	N112	1.541667	4	-5.412659	0	
89	N113	-1.541666	4	-5.412659	0	
90	N114	-5.458333	4	1.371207	0	
91	N115	-7.	2.75	4.041452	0	
92	N116	-7.	1.25	4.041452	0	
93	N117	-7.	2.75	4.291452	0	
94	N118	-7.	1.25	4.291452	0	
95	N119	-7.	3.25	4.041452	0	
96	N120	-7.	1	4.041452	0	
97	N121	-7.216506	3.25	3.916452	0	
98	N122	-7.216506	1	3.916452	0	
99	N123	-7.	4.75	4.291452	0	
100	N124	-7.	-.75	4.291452	0	
101	N125	-7.216506	4.75	3.916452	0	
102	N126	-7.216506	-.75	3.916452	0	
103	N128	7.	2.75	4.041452	0	
104	N129	7.	1.25	4.041452	0	
105	N130	7.216507	2.75	3.916452	0	
106	N131	7.216507	1.25	3.916452	0	
107	N132	7.	3.25	4.041452	0	
108	N133	7.	1	4.041452	0	
109	N134	7.	3.25	4.291452	0	
110	N135	7.	1	4.291452	0	
111	N136	7.216507	4.75	3.916452	0	
112	N137	7.216507	-.75	3.916452	0	
113	N138	7.	4.75	4.291452	0	
114	N139	7.	-.75	4.291452	0	
115	N141	0.	2.75	-8.082904	0	
116	N142	0.	1.25	-8.082904	0	
117	N143	-0.216506	2.75	-8.207904	0	
118	N144	-0.216506	1.25	-8.207904	0	
119	N145	0.	3.25	-8.082904	0	
120	N146	0.	1	-8.082904	0	
121	N147	0.216507	3.25	-8.207904	0	
122	N148	0.216507	1	-8.207904	0	
123	N149	-0.216506	4.75	-8.207904	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
124	N150	-0.216506	-.75	-8.207904	0	
125	N151	0.216507	4.75	-8.207904	0	
126	N152	0.216507	-.75	-8.207904	0	
127	N127	0.	0.833333	4.041452	0	
128	N128A	0.	4	4.041452	0	
129	N129A	0.	0.833333	4.374785	0	
130	N130A	0.	4	4.374785	0	
131	N131A	0.	5	4.374785	0	
132	N132A	0.	-0.166667	4.374785	0	
133	N133A	-3.916666	1.333333	4.041452	0	
134	N134A	3.916667	1.333333	4.041452	0	
135	N135A	-3.916666	3.5	4.041452	0	
136	N136A	3.916667	3.5	4.041452	0	
137	N137A	-3.916666	1.333333	4.291452	0	
138	N138A	3.916667	1.333333	4.291452	0	
139	N139A	-3.916666	3.5	4.291452	0	
140	N140	3.916667	3.5	4.291452	0	
141	N141B	-3.916666	5.5	4.291452	0	
142	N142B	3.916667	6	4.291452	0	
143	N143A	-3.916666	0	4.291452	0	
144	N144A	3.916667	0	4.291452	0	
145	N146A	3.5	0.833333	-2.020726	0	
146	N147A	3.5	4	-2.020726	0	
147	N148A	3.788675	0.833333	-2.187393	0	
148	N149A	3.788675	4	-2.187393	0	
149	N150A	3.788675	5	-2.187393	0	
150	N151A	3.788675	-0.166667	-2.187393	0	
151	N152A	5.458334	1.333333	1.371207	0	
152	N153	1.541667	1.333333	-5.412659	0	
153	N154	5.458334	3.5	1.371207	0	
154	N155	1.541667	3.5	-5.412659	0	
155	N156	5.67484	1.333333	1.246207	0	
156	N157	1.758173	1.333333	-5.537659	0	
157	N158	5.67484	3.5	1.246207	0	
158	N159	1.758173	3.5	-5.537659	0	
159	N160	5.67484	5.5	1.246207	0	
160	N161	1.758173	6	-5.537659	0	
161	N162	5.67484	0	1.246207	0	
162	N163	1.758173	0	-5.537659	0	
163	N165	-3.5	0.833333	-2.020726	0	
164	N166	-3.5	4	-2.020726	0	
165	N167	-3.788675	0.833333	-2.187393	0	
166	N168	-3.788675	4	-2.187393	0	
167	N169	-3.788675	5	-2.187393	0	
168	N170	-3.788675	-0.166667	-2.187393	0	
169	N171	-1.541666	1.333333	-5.412659	0	
170	N172	-5.458333	1.333333	1.371207	0	
171	N173	-1.541666	3.5	-5.412659	0	
172	N174	-5.458333	3.5	1.371207	0	
173	N175	-1.758173	1.333333	-5.537659	0	
174	N176A	-5.674839	1.333333	1.246207	0	
175	N177A	-1.758173	3.5	-5.537659	0	
176	N178A	-5.674839	3.5	1.246207	0	
177	N179A	-1.758173	5.5	-5.537659	0	
178	N180A	-5.674839	6	1.246207	0	
179	N181A	-1.758173	0	-5.537659	0	
180	N182	-5.674839	0	1.246207	0	
181	N181B	0.	-0.416667	-6.408866	0	
182	N182A	0.	-5.416667	-1.294663	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
183	N184	-5.55024	-0.416667	3.204433	0	
184	N185	-1.12121	-5.416667	0.647331	0	
185	N187	5.550241	-0.416667	3.204433	0	
186	N188	1.121211	-5.416667	0.647331	0	
187	N187B	-7.	2	4.041452	0	
188	N188A	0.	2	-8.082904	0	
189	N189A	0.	-0.416667	-5.408866	0	
190	N192A	-4.684215	-0.416667	2.704433	0	
191	N194A	7.	2	4.041452	0	
192	N195A	4.684215	-0.416667	2.704433	0	
193	N193A	-1.583333	0	-1.794663	0	
194	N194B	1.583334	0	-1.794663	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Pipe Vertical	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Support Rail	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
4	Support Rail...	PL1/2X6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
5	Standoff Tab	PL1/4x3.5	Beam	RECT	A36 Gr.36	Typical	.875	.005	.893	.017
6	Corner Plate	PL1/2X9	Beam	RECT	A36 Gr.36	Typical	4.5	.094	30.375	.362
7	Standoff	HSS4X4X3	Beam	Tube	A500 Gr.B R...	Typical	2.58	6.21	6.21	10
8	Crossbrace ...	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical	1.93	3	3	.044
9	Face Horizo...	C5X6.7	Beam	Channel	A572 Gr.50	Typical	1.97	.47	7.48	.055
10	Face Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
11	Crossbrace ...	C5X6.7	Beam	Channel	A572 Gr.50	Typical	1.97	.47	7.48	.055
12	Dual Mount ...	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
13	Kicker	LL2.5x2.5x4x8	Beam	Double Angl...	A36 Gr.36	Typical	2.38	4.21	1.38	.052
14	Brace Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

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	M73	N142A	N141A		180	Face Horizontal	Beam	Channel	A572 Gr.50	Typical
2	M76	N153A	N199			Standoff	Beam	Tube	A500 Gr.B...	Typical
3	M87	N178	N177		180	Face Horizontal	Beam	Channel	A572 Gr.50	Typical
4	M88	N181	N180		180	Face Horizontal	Beam	Channel	A572 Gr.50	Typical
5	M89	N142A	N176			RIGID	None	None	RIGID	Typical
6	M90	N141A	N179			RIGID	None	None	RIGID	Typical
7	M91	N180	N179			RIGID	None	None	RIGID	Typical
8	M92	N181	N189			RIGID	None	None	RIGID	Typical
9	M93	N177	N189			RIGID	None	None	RIGID	Typical
10	M94	N178	N176			RIGID	None	None	RIGID	Typical
11	M95	N186	N192B			RIGID	None	None	RIGID	Typical
12	M96	N187A	N193B			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
13	M97	N189B	N194		240	RIGID	None	None	RIGID	Typical
14	M98	N190	N195		240	RIGID	None	None	RIGID	Typical
15	M99	N192	N196		120	RIGID	None	None	RIGID	Typical
16	M100	N193	N197		120	RIGID	None	None	RIGID	Typical
17	M101	N192B	N197		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
18	M102	N194	N193B		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
19	M103	N196	N195		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
20	M104	N200A	N202A			Standoff	Beam	Tube	A500 Gr.B...	Typical
21	M105	N204	N206A			Standoff	Beam	Tube	A500 Gr.B...	Typical
22	M34	N61	N60		90	Face Angle	Beam	Single Angle	A36 Gr.36	Typical
23	M37	N61	N62			RIGID	None	None	RIGID	Typical
24	M38	N60	N65			RIGID	None	None	RIGID	Typical
25	M39	N66	N65			RIGID	None	None	RIGID	Typical
26	M40	N67	N68			RIGID	None	None	RIGID	Typical
27	M41	N63	N68			RIGID	None	None	RIGID	Typical
28	M42	N64	N62			RIGID	None	None	RIGID	Typical
29	M43	N70	N69			Support Rail	Beam	Single Angle	A36 Gr.36	Typical
30	M46	N70	N71			RIGID	None	None	RIGID	Typical
31	M47	N69	N74			RIGID	None	None	RIGID	Typical
32	M48	N75	N74			RIGID	None	None	RIGID	Typical
33	M49	N76	N77			RIGID	None	None	RIGID	Typical
34	M50	N72	N77			RIGID	None	None	RIGID	Typical
35	M51	N73	N71			RIGID	None	None	RIGID	Typical
36	M52	N78	N81			Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
37	M53	N90A	N84			Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
38	M54	N91A	N85			Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
39	M55	N92	N87		240	Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
40	MP3C	N93	N88		240	Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
41	M57	N94	N90		120	Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
42	M58	N95	N91		120	Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
43	M59	N79	N82		240	Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
44	M60	N80	N83		120	Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
45	M57A	N66	N67		90	Face Angle	Beam	Single Angle	A36 Gr.36	Typical
46	M58A	N75	N76			Support Rail	Beam	Single Angle	A36 Gr.36	Typical
47	M59A	N63	N64		90	Face Angle	Beam	Single Angle	A36 Gr.36	Typical
48	M60A	N72	N73			Support Rail	Beam	Single Angle	A36 Gr.36	Typical
49	M61	N98A	N98B			RIGID	None	None	RIGID	Typical
50	M62	N99	N99A			RIGID	None	None	RIGID	Typical
51	M63	N99A	N98B			Crossbrace Ch...	Beam	Channel	A572 Gr.50	Typical
52	M64	N98	N100			RIGID	None	None	RIGID	Typical
53	M65	N96	N193A		180	Crossbrace An...	Beam	Single Angle	A36 Gr.36	Typical
54	M66	N97	N194B		90	Crossbrace An...	Beam	Single Angle	A36 Gr.36	Typical
55	M67	N109A	N103			Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
56	M68	N110A	N104			Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
57	M69	N111	N106		240	Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
58	M70	N112	N107		240	Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
59	M71	N113	N109		120	Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
60	M72	N114	N110		120	Pipe Vertical	Beam	Pipe	A53 Gr.B	Typical
61	M73A	N115	N117			RIGID	None	None	RIGID	Typical
62	M74	N116	N118			RIGID	None	None	RIGID	Typical
63	M75	N119	N121			RIGID	None	None	RIGID	Typical
64	M76A	N120	N122			RIGID	None	None	RIGID	Typical
65	MP5A	N123	N124			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
66	MP1B	N125	N126			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
67	M79	N128	N130			RIGID	None	None	RIGID	Typical
68	M80	N129	N131			RIGID	None	None	RIGID	Typical
69	M81	N132	N134			RIGID	None	None	RIGID	Typical
70	M82	N133	N135			RIGID	None	None	RIGID	Typical
71	MP5C	N136	N137		240	Mount Pipe	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
72	MP1A	N138	N139		240	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
73	M85	N141	N143			RIGID	None	None	RIGID	Typical
74	M86	N142	N144			RIGID	None	None	RIGID	Typical
75	M87A	N145	N147			RIGID	None	None	RIGID	Typical
76	M88A	N146	N148			RIGID	None	None	RIGID	Typical
77	MP5B	N149	N150		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
78	MP1C	N151	N152		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
79	M79A	N128A	N130A			RIGID	None	None	RIGID	Typical
80	M80A	N127	N129A			RIGID	None	None	RIGID	Typical
81	MP3A	N131A	N132A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
82	M82A	N135A	N139A			RIGID	None	None	RIGID	Typical
83	M83A	N133A	N137A			RIGID	None	None	RIGID	Typical
84	M84A	N136A	N140			RIGID	None	None	RIGID	Typical
85	M85A	N134A	N138A			RIGID	None	None	RIGID	Typical
86	MP4A	N141B	N143A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
87	MP2A	N142B	N144A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
88	M88B	N147A	N149A			RIGID	None	None	RIGID	Typical
89	M89B	N146A	N148A			RIGID	None	None	RIGID	Typical
90	M90B	N150A	N151A		240	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
91	M91A	N154	N158			RIGID	None	None	RIGID	Typical
92	M92A	N152A	N156			RIGID	None	None	RIGID	Typical
93	M93A	N155	N159			RIGID	None	None	RIGID	Typical
94	M94A	N153	N157			RIGID	None	None	RIGID	Typical
95	MP4C	N160	N162		240	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
96	MP2C	N161	N163		240	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
97	M97A	N166	N168			RIGID	None	None	RIGID	Typical
98	M98A	N165	N167			RIGID	None	None	RIGID	Typical
99	MP3B	N169	N170		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
100	M100A	N173	N177A			RIGID	None	None	RIGID	Typical
101	M101A	N171	N175			RIGID	None	None	RIGID	Typical
102	M102A	N174	N178A			RIGID	None	None	RIGID	Typical
103	M103A	N172	N176A			RIGID	None	None	RIGID	Typical
104	MP4B	N179A	N181A		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
105	MP2B	N180A	N182		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
106	M106	N181B	N182A			Kicker	Beam	Double Angle (...	A36 Gr.36	Typical
107	M107	N184	N185			Kicker	Beam	Double Angle (...	A36 Gr.36	Typical
108	M108	N187	N188			Kicker	Beam	Double Angle (...	A36 Gr.36	Typical
109	M109	N188A	N189A		90	Brace Angle	Beam	Single Angle	A36 Gr.36	Typical
110	M110	N187B	N192A		90	Brace Angle	Beam	Single Angle	A36 Gr.36	Typical
111	M111	N194A	N195A		90	Brace Angle	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M73						Yes				None
2	M76						Yes				None
3	M87						Yes				None
4	M88						Yes				None
5	M89						Yes	** NA **			None
6	M90						Yes	** NA **			None
7	M91						Yes	** NA **			None
8	M92						Yes	** NA **			None
9	M93						Yes	** NA **			None
10	M94						Yes	** NA **			None
11	M95						Yes	** NA **			None
12	M96						Yes	** NA **			None
13	M97						Yes	** NA **			None
14	M98						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
15	M99						Yes	** NA **			None
16	M100						Yes	** NA **			None
17	M101						Yes				None
18	M102						Yes				None
19	M103						Yes				None
20	M104						Yes				None
21	M105						Yes				None
22	M34	OOOOOX	BenPIN				Yes				None
23	M37						Yes	** NA **			None
24	M38						Yes	** NA **			None
25	M39						Yes	** NA **			None
26	M40						Yes	** NA **			None
27	M41						Yes	** NA **			None
28	M42						Yes	** NA **			None
29	M43	OOOOXO	OOOOXO				Yes				None
30	M46						Yes	** NA **			None
31	M47						Yes	** NA **			None
32	M48						Yes	** NA **			None
33	M49						Yes	** NA **			None
34	M50						Yes	** NA **			None
35	M51						Yes	** NA **			None
36	M52						Yes	Default			None
37	M53						Yes				None
38	M54						Yes				None
39	M55						Yes				None
40	MP3C						Yes				None
41	M57						Yes				None
42	M58						Yes				None
43	M59						Yes				None
44	M60						Yes				None
45	M57A	OOOOOX	BenPIN				Yes				None
46	M58A	OOOOXO	OOOOXO				Yes				None
47	M59A	OOOOOX	BenPIN				Yes				None
48	M60A	OOOOXO	OOOOXO				Yes				None
49	M61						Yes	** NA **			None
50	M62						Yes	** NA **			None
51	M63						Yes				None
52	M64						Yes	** NA **			None
53	M65	OOOOOX	OOOOOX				Yes	Default			None
54	M66	OOOOXO	OOOOXO				Yes	Default			None
55	M67						Yes				None
56	M68						Yes				None
57	M69						Yes				None
58	M70						Yes				None
59	M71						Yes				None
60	M72						Yes				None
61	M73A						Yes	** NA **			None
62	M74						Yes	** NA **			None
63	M75						Yes	** NA **			None
64	M76A						Yes	** NA **			None
65	MP5A						Yes				None
66	MP1B						Yes				None
67	M79						Yes	** NA **			None
68	M80						Yes	** NA **			None
69	M81						Yes	** NA **			None
70	M82						Yes	** NA **			None
71	MP5C						Yes				None
72	MP1A						Yes				None
73	M85						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...
74	M86						Yes	** NA **			None
75	M87A						Yes	** NA **			None
76	M88A						Yes	** NA **			None
77	MP5B						Yes				None
78	MP1C						Yes				None
79	M79A		OOOXOO				Yes	** NA **			None
80	M80A		OOOXOO				Yes	** NA **			None
81	MP3A						Yes				None
82	M82A						Yes	** NA **			None
83	M83A						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	M85A						Yes	** NA **			None
86	MP4A						Yes				None
87	MP2A						Yes				None
88	M88B		OOOXOO				Yes	** NA **			None
89	M89B		OOOXOO				Yes	** NA **			None
90	M90B						Yes				None
91	M91A						Yes	** NA **			None
92	M92A						Yes	** NA **			None
93	M93A						Yes	** NA **			None
94	M94A						Yes	** NA **			None
95	MP4C						Yes				None
96	MP2C						Yes				None
97	M97A		OOOXOO				Yes	** NA **			None
98	M98A		OOOXOO				Yes	** NA **			None
99	MP3B						Yes				None
100	M100A						Yes	** NA **			None
101	M101A						Yes	** NA **			None
102	M102A						Yes	** NA **			None
103	M103A						Yes	** NA **			None
104	MP4B						Yes				None
105	MP2B						Yes				None
106	M106	BenPIN					Yes	Default			None
107	M107	BenPIN					Yes	Default			None
108	M108	BenPIN					Yes	Default			None
109	M109						Yes				None
110	M110						Yes				None
111	M111						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-23	1.58
2	MP2A	My	-.011	1.58
3	MP2A	Mz	-.017	1.58
4	MP2A	Y	-23	5.58
5	MP2A	My	-.011	5.58
6	MP2A	Mz	-.017	5.58
7	MP2B	Y	-23	1.58
8	MP2B	My	.021	1.58
9	MP2B	Mz	-.001	1.58
10	MP2B	Y	-23	5.58
11	MP2B	My	.021	5.58
12	MP2B	Mz	-.001	5.58
13	MP2C	Y	-23	1.58
14	MP2C	My	-.012	1.58
15	MP2C	Mz	.017	1.58
16	MP2C	Y	-23	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	My	-.012	5.58
18	MP2C	Mz	.017	5.58
19	MP2A	Y	-23	1.58
20	MP2A	My	-.011	1.58
21	MP2A	Mz	.017	1.58
22	MP2A	Y	-23	5.58
23	MP2A	My	-.011	5.58
24	MP2A	Mz	.017	5.58
25	MP2B	Y	-23	1.58
26	MP2B	My	-.009	1.58
27	MP2B	Mz	-.019	1.58
28	MP2B	Y	-23	5.58
29	MP2B	My	-.009	5.58
30	MP2B	Mz	-.019	5.58
31	MP2C	Y	-23	1.58
32	MP2C	My	.02	1.58
33	MP2C	Mz	.005	1.58
34	MP2C	Y	-23	5.58
35	MP2C	My	.02	5.58
36	MP2C	Mz	.005	5.58
37	MP4A	Y	-43.55	2
38	MP4A	My	-.022	2
39	MP4A	Mz	0	2
40	MP4A	Y	-43.55	4
41	MP4A	My	-.022	4
42	MP4A	Mz	0	4
43	MP4B	Y	-43.55	2
44	MP4B	My	.011	2
45	MP4B	Mz	-.019	2
46	MP4B	Y	-43.55	4
47	MP4B	My	.011	4
48	MP4B	Mz	-.019	4
49	MP4C	Y	-43.55	2
50	MP4C	My	.007	2
51	MP4C	Mz	.02	2
52	MP4C	Y	-43.55	4
53	MP4C	My	.007	4
54	MP4C	Mz	.02	4
55	MP1A	Y	-13.5	1.33
56	MP1A	My	-.007	1.33
57	MP1A	Mz	0	1.33
58	MP1A	Y	-13.5	3.33
59	MP1A	My	-.007	3.33
60	MP1A	Mz	0	3.33
61	MP1B	Y	-13.5	1.33
62	MP1B	My	.003	1.33
63	MP1B	Mz	-.006	1.33
64	MP1B	Y	-13.5	3.33
65	MP1B	My	.003	3.33
66	MP1B	Mz	-.006	3.33
67	MP1C	Y	-13.5	1.33
68	MP1C	My	.002	1.33
69	MP1C	Mz	.006	1.33
70	MP1C	Y	-13.5	3.33
71	MP1C	My	.002	3.33
72	MP1C	Mz	.006	3.33
73	MP5A	Y	-13.5	1.33
74	MP5A	My	-.007	1.33
75	MP5A	Mz	0	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP5A	Y	-13.5	3.33
77	MP5A	My	-.007	3.33
78	MP5A	Mz	0	3.33
79	MP5B	Y	-13.5	1.33
80	MP5B	My	.003	1.33
81	MP5B	Mz	-.006	1.33
82	MP5B	Y	-13.5	3.33
83	MP5B	My	.003	3.33
84	MP5B	Mz	-.006	3.33
85	MP5C	Y	-13.5	1.33
86	MP5C	My	.002	1.33
87	MP5C	Mz	.006	1.33
88	MP5C	Y	-13.5	3.33
89	MP5C	My	.002	3.33
90	MP5C	Mz	.006	3.33
91	MP2A	Y	-74.7	1.5
92	MP2A	My	.037	1.5
93	MP2A	Mz	0	1.5
94	MP2B	Y	-74.7	1.5
95	MP2B	My	-.019	1.5
96	MP2B	Mz	.032	1.5
97	MP2C	Y	-74.7	1.5
98	MP2C	My	-.013	1.5
99	MP2C	Mz	-.035	1.5
100	MP3A	Y	-70.3	.5
101	MP3A	My	.035	.5
102	MP3A	Mz	0	.5
103	MP3B	Y	-70.3	.5
104	MP3B	My	-.018	.5
105	MP3B	Mz	.03	.5
106	MP3C	Y	-70.3	.5
107	MP3C	My	-.012	.5
108	MP3C	Mz	-.033	.5
109	MP2B	Y	-17.6	4
110	MP2B	My	-.004	4
111	MP2B	Mz	.008	4
112	MP2C	Y	-17.6	4
113	MP2C	My	-.003	4
114	MP2C	Mz	-.008	4
115	MP2B	Y	-17.6	4
116	MP2B	My	.002	4
117	MP2B	Mz	-.004	4
118	MP2C	Y	-17.6	4
119	MP2C	My	.002	4
120	MP2C	Mz	.004	4

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-83.169	1.58
2	MP2A	My	-.042	1.58
3	MP2A	Mz	-.062	1.58
4	MP2A	Y	-83.169	5.58
5	MP2A	My	-.042	5.58
6	MP2A	Mz	-.062	5.58
7	MP2B	Y	-83.169	1.58
8	MP2B	My	.075	1.58
9	MP2B	Mz	-.005	1.58
10	MP2B	Y	-83.169	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	My	.075	5.58
12	MP2B	Mz	-.005	5.58
13	MP2C	Y	-83.169	1.58
14	MP2C	My	-.044	1.58
15	MP2C	Mz	.06	1.58
16	MP2C	Y	-83.169	5.58
17	MP2C	My	-.044	5.58
18	MP2C	Mz	.06	5.58
19	MP2A	Y	-83.169	1.58
20	MP2A	My	-.042	1.58
21	MP2A	Mz	.062	1.58
22	MP2A	Y	-83.169	5.58
23	MP2A	My	-.042	5.58
24	MP2A	Mz	.062	5.58
25	MP2B	Y	-83.169	1.58
26	MP2B	My	-.033	1.58
27	MP2B	Mz	-.067	1.58
28	MP2B	Y	-83.169	5.58
29	MP2B	My	-.033	5.58
30	MP2B	Mz	-.067	5.58
31	MP2C	Y	-83.169	1.58
32	MP2C	My	.073	1.58
33	MP2C	Mz	.018	1.58
34	MP2C	Y	-83.169	5.58
35	MP2C	My	.073	5.58
36	MP2C	Mz	.018	5.58
37	MP4A	Y	-35.926	2
38	MP4A	My	-.018	2
39	MP4A	Mz	0	2
40	MP4A	Y	-35.926	4
41	MP4A	My	-.018	4
42	MP4A	Mz	0	4
43	MP4B	Y	-35.926	2
44	MP4B	My	.009	2
45	MP4B	Mz	-.016	2
46	MP4B	Y	-35.926	4
47	MP4B	My	.009	4
48	MP4B	Mz	-.016	4
49	MP4C	Y	-35.926	2
50	MP4C	My	.006	2
51	MP4C	Mz	.017	2
52	MP4C	Y	-35.926	4
53	MP4C	My	.006	4
54	MP4C	Mz	.017	4
55	MP1A	Y	-89.426	1.33
56	MP1A	My	-.045	1.33
57	MP1A	Mz	0	1.33
58	MP1A	Y	-89.426	3.33
59	MP1A	My	-.045	3.33
60	MP1A	Mz	0	3.33
61	MP1B	Y	-89.426	1.33
62	MP1B	My	.022	1.33
63	MP1B	Mz	-.039	1.33
64	MP1B	Y	-89.426	3.33
65	MP1B	My	.022	3.33
66	MP1B	Mz	-.039	3.33
67	MP1C	Y	-89.426	1.33
68	MP1C	My	.015	1.33
69	MP1C	Mz	.042	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1C	Y	-89.426	3.33
71	MP1C	My	.015	3.33
72	MP1C	Mz	.042	3.33
73	MP5A	Y	-89.426	1.33
74	MP5A	My	-.045	1.33
75	MP5A	Mz	0	1.33
76	MP5A	Y	-89.426	3.33
77	MP5A	My	-.045	3.33
78	MP5A	Mz	0	3.33
79	MP5B	Y	-89.426	1.33
80	MP5B	My	.022	1.33
81	MP5B	Mz	-.039	1.33
82	MP5B	Y	-89.426	3.33
83	MP5B	My	.022	3.33
84	MP5B	Mz	-.039	3.33
85	MP5C	Y	-89.426	1.33
86	MP5C	My	.015	1.33
87	MP5C	Mz	.042	1.33
88	MP5C	Y	-89.426	3.33
89	MP5C	My	.015	3.33
90	MP5C	Mz	.042	3.33
91	MP2A	Y	-45.3	1.5
92	MP2A	My	.023	1.5
93	MP2A	Mz	0	1.5
94	MP2B	Y	-45.3	1.5
95	MP2B	My	-.011	1.5
96	MP2B	Mz	.02	1.5
97	MP2C	Y	-45.3	1.5
98	MP2C	My	-.008	1.5
99	MP2C	Mz	-.021	1.5
100	MP3A	Y	-43.141	.5
101	MP3A	My	.022	.5
102	MP3A	Mz	0	.5
103	MP3B	Y	-43.141	.5
104	MP3B	My	-.011	.5
105	MP3B	Mz	.019	.5
106	MP3C	Y	-43.141	.5
107	MP3C	My	-.007	.5
108	MP3C	Mz	-.02	.5
109	MP2B	Y	-17.512	4
110	MP2B	My	-.004	4
111	MP2B	Mz	.008	4
112	MP2C	Y	-17.512	4
113	MP2C	My	-.003	4
114	MP2C	Mz	-.008	4
115	MP2B	Y	-17.512	4
116	MP2B	My	.002	4
117	MP2B	Mz	-.004	4
118	MP2C	Y	-17.512	4
119	MP2C	My	.001	4
120	MP2C	Mz	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.58
2	MP2A	Z	-88.759	1.58
3	MP2A	Mx	.067	1.58
4	MP2A	X	0	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	-88.759	5.58
6	MP2A	Mx	.067	5.58
7	MP2B	X	0	1.58
8	MP2B	Z	-72.011	1.58
9	MP2B	Mx	.004	1.58
10	MP2B	X	0	5.58
11	MP2B	Z	-72.011	5.58
12	MP2B	Mx	.004	5.58
13	MP2C	X	0	1.58
14	MP2C	Z	-69.041	1.58
15	MP2C	Mx	-.05	1.58
16	MP2C	X	0	5.58
17	MP2C	Z	-69.041	5.58
18	MP2C	Mx	-.05	5.58
19	MP2A	X	0	1.58
20	MP2A	Z	-88.759	1.58
21	MP2A	Mx	-.067	1.58
22	MP2A	X	0	5.58
23	MP2A	Z	-88.759	5.58
24	MP2A	Mx	-.067	5.58
25	MP2B	X	0	1.58
26	MP2B	Z	-72.011	1.58
27	MP2B	Mx	.058	1.58
28	MP2B	X	0	5.58
29	MP2B	Z	-72.011	5.58
30	MP2B	Mx	.058	5.58
31	MP2C	X	0	1.58
32	MP2C	Z	-69.041	1.58
33	MP2C	Mx	-.015	1.58
34	MP2C	X	0	5.58
35	MP2C	Z	-69.041	5.58
36	MP2C	Mx	-.015	5.58
37	MP4A	X	0	2
38	MP4A	Z	-73.56	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-73.56	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-37.39	2
45	MP4B	Mx	.016	2
46	MP4B	X	0	4
47	MP4B	Z	-37.39	4
48	MP4B	Mx	.016	4
49	MP4C	X	0	2
50	MP4C	Z	-30.974	2
51	MP4C	Mx	-.015	2
52	MP4C	X	0	4
53	MP4C	Z	-30.974	4
54	MP4C	Mx	-.015	4
55	MP1A	X	0	1.33
56	MP1A	Z	-180.146	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	-180.146	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	-165.717	1.33
63	MP1B	Mx	.072	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP1B	X	0	3.33
65	MP1B	Z	-165.717	3.33
66	MP1B	Mx	.072	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	-163.157	1.33
69	MP1C	Mx	-.077	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	-163.157	3.33
72	MP1C	Mx	-.077	3.33
73	MP5A	X	0	1.33
74	MP5A	Z	-180.146	1.33
75	MP5A	Mx	0	1.33
76	MP5A	X	0	3.33
77	MP5A	Z	-180.146	3.33
78	MP5A	Mx	0	3.33
79	MP5B	X	0	1.33
80	MP5B	Z	-165.717	1.33
81	MP5B	Mx	.072	1.33
82	MP5B	X	0	3.33
83	MP5B	Z	-165.717	3.33
84	MP5B	Mx	.072	3.33
85	MP5C	X	0	1.33
86	MP5C	Z	-163.157	1.33
87	MP5C	Mx	-.077	1.33
88	MP5C	X	0	3.33
89	MP5C	Z	-163.157	3.33
90	MP5C	Mx	-.077	3.33
91	MP2A	X	0	1.5
92	MP2A	Z	-58.172	1.5
93	MP2A	Mx	0	1.5
94	MP2B	X	0	1.5
95	MP2B	Z	-43.817	1.5
96	MP2B	Mx	-.019	1.5
97	MP2C	X	0	1.5
98	MP2C	Z	-41.271	1.5
99	MP2C	Mx	.019	1.5
100	MP3A	X	0	.5
101	MP3A	Z	-58.172	.5
102	MP3A	Mx	0	.5
103	MP3B	X	0	.5
104	MP3B	Z	-41.002	.5
105	MP3B	Mx	-.018	.5
106	MP3C	X	0	.5
107	MP3C	Z	-37.957	.5
108	MP3C	Mx	.018	.5
109	MP2B	X	0	4
110	MP2B	Z	-17.203	4
111	MP2B	Mx	-.007	4
112	MP2C	X	0	4
113	MP2C	Z	-13.864	4
114	MP2C	Mx	.007	4
115	MP2B	X	0	4
116	MP2B	Z	-17.203	4
117	MP2B	Mx	.004	4
118	MP2C	X	0	4
119	MP2C	Z	-13.864	4
120	MP2C	Mx	-.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	41.588	1.58
2	MP2A	Z	-72.033	1.58
3	MP2A	Mx	.033	1.58
4	MP2A	X	41.588	5.58
5	MP2A	Z	-72.033	5.58
6	MP2A	Mx	.033	5.58
7	MP2B	X	33.214	1.58
8	MP2B	Z	-57.529	1.58
9	MP2B	Mx	.033	1.58
10	MP2B	X	33.214	5.58
11	MP2B	Z	-57.529	5.58
12	MP2B	Mx	.033	5.58
13	MP2C	X	39.766	1.58
14	MP2C	Z	-68.878	1.58
15	MP2C	Mx	-.071	1.58
16	MP2C	X	39.766	5.58
17	MP2C	Z	-68.878	5.58
18	MP2C	Mx	-.071	5.58
19	MP2A	X	41.588	1.58
20	MP2A	Z	-72.033	1.58
21	MP2A	Mx	-.075	1.58
22	MP2A	X	41.588	5.58
23	MP2A	Z	-72.033	5.58
24	MP2A	Mx	-.075	5.58
25	MP2B	X	33.214	1.58
26	MP2B	Z	-57.529	1.58
27	MP2B	Mx	.033	1.58
28	MP2B	X	33.214	5.58
29	MP2B	Z	-57.529	5.58
30	MP2B	Mx	.033	5.58
31	MP2C	X	39.766	1.58
32	MP2C	Z	-68.878	1.58
33	MP2C	Mx	.02	1.58
34	MP2C	X	39.766	5.58
35	MP2C	Z	-68.878	5.58
36	MP2C	Mx	.02	5.58
37	MP4A	X	30.751	2
38	MP4A	Z	-53.263	2
39	MP4A	Mx	-.015	2
40	MP4A	X	30.751	4
41	MP4A	Z	-53.263	4
42	MP4A	Mx	-.015	4
43	MP4B	X	12.667	2
44	MP4B	Z	-21.939	2
45	MP4B	Mx	.013	2
46	MP4B	X	12.667	4
47	MP4B	Z	-21.939	4
48	MP4B	Mx	.013	4
49	MP4C	X	26.817	2
50	MP4C	Z	-46.448	2
51	MP4C	Mx	-.017	2
52	MP4C	X	26.817	4
53	MP4C	Z	-46.448	4
54	MP4C	Mx	-.017	4
55	MP1A	X	87.668	1.33
56	MP1A	Z	-151.846	1.33
57	MP1A	Mx	-.044	1.33
58	MP1A	X	87.668	3.33
59	MP1A	Z	-151.846	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	-.044	3.33
61	MP1B	X	80.453	1.33
62	MP1B	Z	-139.349	1.33
63	MP1B	Mx	.08	1.33
64	MP1B	X	80.453	3.33
65	MP1B	Z	-139.349	3.33
66	MP1B	Mx	.08	3.33
67	MP1C	X	86.098	1.33
68	MP1C	Z	-149.127	1.33
69	MP1C	Mx	-.055	1.33
70	MP1C	X	86.098	3.33
71	MP1C	Z	-149.127	3.33
72	MP1C	Mx	-.055	3.33
73	MP5A	X	87.668	1.33
74	MP5A	Z	-151.846	1.33
75	MP5A	Mx	-.044	1.33
76	MP5A	X	87.668	3.33
77	MP5A	Z	-151.846	3.33
78	MP5A	Mx	-.044	3.33
79	MP5B	X	80.453	1.33
80	MP5B	Z	-139.349	1.33
81	MP5B	Mx	.08	1.33
82	MP5B	X	80.453	3.33
83	MP5B	Z	-139.349	3.33
84	MP5B	Mx	.08	3.33
85	MP5C	X	86.098	1.33
86	MP5C	Z	-149.127	1.33
87	MP5C	Mx	-.055	1.33
88	MP5C	X	86.098	3.33
89	MP5C	Z	-149.127	3.33
90	MP5C	Mx	-.055	3.33
91	MP2A	X	26.694	1.5
92	MP2A	Z	-46.235	1.5
93	MP2A	Mx	.013	1.5
94	MP2B	X	19.516	1.5
95	MP2B	Z	-33.802	1.5
96	MP2B	Mx	-.02	1.5
97	MP2C	X	25.132	1.5
98	MP2C	Z	-43.53	1.5
99	MP2C	Mx	.016	1.5
100	MP3A	X	26.224	.5
101	MP3A	Z	-45.422	.5
102	MP3A	Mx	.013	.5
103	MP3B	X	17.639	.5
104	MP3B	Z	-30.552	.5
105	MP3B	Mx	-.018	.5
106	MP3C	X	24.357	.5
107	MP3C	Z	-42.187	.5
108	MP3C	Mx	.016	.5
109	MP2B	X	5.464	4
110	MP2B	Z	-9.464	4
111	MP2B	Mx	-.005	4
112	MP2C	X	12.829	4
113	MP2C	Z	-22.22	4
114	MP2C	Mx	.008	4
115	MP2B	X	5.464	4
116	MP2B	Z	-9.464	4
117	MP2B	Mx	.003	4
118	MP2C	X	12.829	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP2C	Z	-22.22	4
120	MP2C	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	62.364	1.58
2	MP2A	Z	-36.006	1.58
3	MP2A	Mx	-.004	1.58
4	MP2A	X	62.364	5.58
5	MP2A	Z	-36.006	5.58
6	MP2A	Mx	-.004	5.58
7	MP2B	X	62.364	1.58
8	MP2B	Z	-36.006	1.58
9	MP2B	Mx	.058	1.58
10	MP2B	X	62.364	5.58
11	MP2B	Z	-36.006	5.58
12	MP2B	Mx	.058	5.58
13	MP2C	X	76.285	1.58
14	MP2C	Z	-44.043	1.58
15	MP2C	Mx	-.073	1.58
16	MP2C	X	76.285	5.58
17	MP2C	Z	-44.043	5.58
18	MP2C	Mx	-.073	5.58
19	MP2A	X	62.364	1.58
20	MP2A	Z	-36.006	1.58
21	MP2A	Mx	-.058	1.58
22	MP2A	X	62.364	5.58
23	MP2A	Z	-36.006	5.58
24	MP2A	Mx	-.058	5.58
25	MP2B	X	62.364	1.58
26	MP2B	Z	-36.006	1.58
27	MP2B	Mx	.004	1.58
28	MP2B	X	62.364	5.58
29	MP2B	Z	-36.006	5.58
30	MP2B	Mx	.004	5.58
31	MP2C	X	76.285	1.58
32	MP2C	Z	-44.043	1.58
33	MP2C	Mx	.057	1.58
34	MP2C	X	76.285	5.58
35	MP2C	Z	-44.043	5.58
36	MP2C	Mx	.057	5.58
37	MP4A	X	32.38	2
38	MP4A	Z	-18.695	2
39	MP4A	Mx	-.016	2
40	MP4A	X	32.38	4
41	MP4A	Z	-18.695	4
42	MP4A	Mx	-.016	4
43	MP4B	X	32.38	2
44	MP4B	Z	-18.695	2
45	MP4B	Mx	.016	2
46	MP4B	X	32.38	4
47	MP4B	Z	-18.695	4
48	MP4B	Mx	.016	4
49	MP4C	X	62.445	2
50	MP4C	Z	-36.053	2
51	MP4C	Mx	-.006	2
52	MP4C	X	62.445	4
53	MP4C	Z	-36.053	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP4C	Mx	-.006	4
55	MP1A	X	143.515	1.33
56	MP1A	Z	-82.858	1.33
57	MP1A	Mx	-.072	1.33
58	MP1A	X	143.515	3.33
59	MP1A	Z	-82.858	3.33
60	MP1A	Mx	-.072	3.33
61	MP1B	X	143.515	1.33
62	MP1B	Z	-82.858	1.33
63	MP1B	Mx	.072	1.33
64	MP1B	X	143.515	3.33
65	MP1B	Z	-82.858	3.33
66	MP1B	Mx	.072	3.33
67	MP1C	X	155.509	1.33
68	MP1C	Z	-89.783	1.33
69	MP1C	Mx	-.016	1.33
70	MP1C	X	155.509	3.33
71	MP1C	Z	-89.783	3.33
72	MP1C	Mx	-.016	3.33
73	MP5A	X	143.515	1.33
74	MP5A	Z	-82.858	1.33
75	MP5A	Mx	-.072	1.33
76	MP5A	X	143.515	3.33
77	MP5A	Z	-82.858	3.33
78	MP5A	Mx	-.072	3.33
79	MP5B	X	143.515	1.33
80	MP5B	Z	-82.858	1.33
81	MP5B	Mx	.072	1.33
82	MP5B	X	143.515	3.33
83	MP5B	Z	-82.858	3.33
84	MP5B	Mx	.072	3.33
85	MP5C	X	155.509	1.33
86	MP5C	Z	-89.783	1.33
87	MP5C	Mx	-.016	1.33
88	MP5C	X	155.509	3.33
89	MP5C	Z	-89.783	3.33
90	MP5C	Mx	-.016	3.33
91	MP2A	X	37.946	1.5
92	MP2A	Z	-21.908	1.5
93	MP2A	Mx	.019	1.5
94	MP2B	X	37.946	1.5
95	MP2B	Z	-21.908	1.5
96	MP2B	Mx	-.019	1.5
97	MP2C	X	49.879	1.5
98	MP2C	Z	-28.797	1.5
99	MP2C	Mx	.005	1.5
100	MP3A	X	35.509	.5
101	MP3A	Z	-20.501	.5
102	MP3A	Mx	.018	.5
103	MP3B	X	35.509	.5
104	MP3B	Z	-20.501	.5
105	MP3B	Mx	-.018	.5
106	MP3C	X	49.781	.5
107	MP3C	Z	-28.741	.5
108	MP3C	Mx	.005	.5
109	MP2B	X	14.898	4
110	MP2B	Z	-8.602	4
111	MP2B	Mx	-.007	4
112	MP2C	X	30.547	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
113	MP2C	Z	-17.636	4
114	MP2C	Mx	.003	4
115	MP2B	X	14.898	4
116	MP2B	Z	-8.602	4
117	MP2B	Mx	.004	4
118	MP2C	X	30.547	4
119	MP2C	Z	-17.636	4
120	MP2C	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	66.429	1.58
2	MP2A	Z	0	1.58
3	MP2A	Mx	-.033	1.58
4	MP2A	X	66.429	5.58
5	MP2A	Z	0	5.58
6	MP2A	Mx	-.033	5.58
7	MP2B	X	83.177	1.58
8	MP2B	Z	0	1.58
9	MP2B	Mx	.075	1.58
10	MP2B	X	83.177	5.58
11	MP2B	Z	0	5.58
12	MP2B	Mx	.075	5.58
13	MP2C	X	86.147	1.58
14	MP2C	Z	0	1.58
15	MP2C	Mx	-.046	1.58
16	MP2C	X	86.147	5.58
17	MP2C	Z	0	5.58
18	MP2C	Mx	-.046	5.58
19	MP2A	X	66.429	1.58
20	MP2A	Z	0	1.58
21	MP2A	Mx	-.033	1.58
22	MP2A	X	66.429	5.58
23	MP2A	Z	0	5.58
24	MP2A	Mx	-.033	5.58
25	MP2B	X	83.177	1.58
26	MP2B	Z	0	1.58
27	MP2B	Mx	-.033	1.58
28	MP2B	X	83.177	5.58
29	MP2B	Z	0	5.58
30	MP2B	Mx	-.033	5.58
31	MP2C	X	86.147	1.58
32	MP2C	Z	0	1.58
33	MP2C	Mx	.075	1.58
34	MP2C	X	86.147	5.58
35	MP2C	Z	0	5.58
36	MP2C	Mx	.075	5.58
37	MP4A	X	25.333	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.013	2
40	MP4A	X	25.333	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.013	4
43	MP4B	X	61.503	2
44	MP4B	Z	0	2
45	MP4B	Mx	.015	2
46	MP4B	X	61.503	4
47	MP4B	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	.015	4
49	MP4C	X	67.918	2
50	MP4C	Z	0	2
51	MP4C	Mx	.012	2
52	MP4C	X	67.918	4
53	MP4C	Z	0	4
54	MP4C	Mx	.012	4
55	MP1A	X	160.907	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	-.08	1.33
58	MP1A	X	160.907	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	-.08	3.33
61	MP1B	X	175.336	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	.044	1.33
64	MP1B	X	175.336	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	.044	3.33
67	MP1C	X	177.895	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	.03	1.33
70	MP1C	X	177.895	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	.03	3.33
73	MP5A	X	160.907	1.33
74	MP5A	Z	0	1.33
75	MP5A	Mx	-.08	1.33
76	MP5A	X	160.907	3.33
77	MP5A	Z	0	3.33
78	MP5A	Mx	-.08	3.33
79	MP5B	X	175.336	1.33
80	MP5B	Z	0	1.33
81	MP5B	Mx	.044	1.33
82	MP5B	X	175.336	3.33
83	MP5B	Z	0	3.33
84	MP5B	Mx	.044	3.33
85	MP5C	X	177.895	1.33
86	MP5C	Z	0	1.33
87	MP5C	Mx	.03	1.33
88	MP5C	X	177.895	3.33
89	MP5C	Z	0	3.33
90	MP5C	Mx	.03	3.33
91	MP2A	X	39.032	1.5
92	MP2A	Z	0	1.5
93	MP2A	Mx	.02	1.5
94	MP2B	X	53.387	1.5
95	MP2B	Z	0	1.5
96	MP2B	Mx	-.013	1.5
97	MP2C	X	55.933	1.5
98	MP2C	Z	0	1.5
99	MP2C	Mx	-.01	1.5
100	MP3A	X	35.279	.5
101	MP3A	Z	0	.5
102	MP3A	Mx	.018	.5
103	MP3B	X	52.449	.5
104	MP3B	Z	0	.5
105	MP3B	Mx	-.013	.5
106	MP3C	X	55.494	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	0	.5
108	MP3C	Mx	-.009	.5
109	MP2B	X	29.754	4
110	MP2B	Z	0	4
111	MP2B	Mx	-.007	4
112	MP2C	X	33.093	4
113	MP2C	Z	0	4
114	MP2C	Mx	-.006	4
115	MP2B	X	29.754	4
116	MP2B	Z	0	4
117	MP2B	Mx	.004	4
118	MP2C	X	33.093	4
119	MP2C	Z	0	4
120	MP2C	Mx	.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	62.364	1.58
2	MP2A	Z	36.006	1.58
3	MP2A	Mx	-.058	1.58
4	MP2A	X	62.364	5.58
5	MP2A	Z	36.006	5.58
6	MP2A	Mx	-.058	5.58
7	MP2B	X	76.868	1.58
8	MP2B	Z	44.38	1.58
9	MP2B	Mx	.067	1.58
10	MP2B	X	76.868	5.58
11	MP2B	Z	44.38	5.58
12	MP2B	Mx	.067	5.58
13	MP2C	X	65.519	1.58
14	MP2C	Z	37.828	1.58
15	MP2C	Mx	-.007	1.58
16	MP2C	X	65.519	5.58
17	MP2C	Z	37.828	5.58
18	MP2C	Mx	-.007	5.58
19	MP2A	X	62.364	1.58
20	MP2A	Z	36.006	1.58
21	MP2A	Mx	-.004	1.58
22	MP2A	X	62.364	5.58
23	MP2A	Z	36.006	5.58
24	MP2A	Mx	-.004	5.58
25	MP2B	X	76.868	1.58
26	MP2B	Z	44.38	1.58
27	MP2B	Mx	-.067	1.58
28	MP2B	X	76.868	5.58
29	MP2B	Z	44.38	5.58
30	MP2B	Mx	-.067	5.58
31	MP2C	X	65.519	1.58
32	MP2C	Z	37.828	1.58
33	MP2C	Mx	.065	1.58
34	MP2C	X	65.519	5.58
35	MP2C	Z	37.828	5.58
36	MP2C	Mx	.065	5.58
37	MP4A	X	32.38	2
38	MP4A	Z	18.695	2
39	MP4A	Mx	-.016	2
40	MP4A	X	32.38	4
41	MP4A	Z	18.695	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	-.016	4
43	MP4B	X	63.704	2
44	MP4B	Z	36.78	2
45	MP4B	Mx	0	2
46	MP4B	X	63.704	4
47	MP4B	Z	36.78	4
48	MP4B	Mx	0	4
49	MP4C	X	39.196	2
50	MP4C	Z	22.63	2
51	MP4C	Mx	.017	2
52	MP4C	X	39.196	4
53	MP4C	Z	22.63	4
54	MP4C	Mx	.017	4
55	MP1A	X	143.515	1.33
56	MP1A	Z	82.858	1.33
57	MP1A	Mx	-.072	1.33
58	MP1A	X	143.515	3.33
59	MP1A	Z	82.858	3.33
60	MP1A	Mx	-.072	3.33
61	MP1B	X	156.011	1.33
62	MP1B	Z	90.073	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	156.011	3.33
65	MP1B	Z	90.073	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	146.234	1.33
68	MP1C	Z	84.428	1.33
69	MP1C	Mx	.065	1.33
70	MP1C	X	146.234	3.33
71	MP1C	Z	84.428	3.33
72	MP1C	Mx	.065	3.33
73	MP5A	X	143.515	1.33
74	MP5A	Z	82.858	1.33
75	MP5A	Mx	-.072	1.33
76	MP5A	X	143.515	3.33
77	MP5A	Z	82.858	3.33
78	MP5A	Mx	-.072	3.33
79	MP5B	X	156.011	1.33
80	MP5B	Z	90.073	1.33
81	MP5B	Mx	0	1.33
82	MP5B	X	156.011	3.33
83	MP5B	Z	90.073	3.33
84	MP5B	Mx	0	3.33
85	MP5C	X	146.234	1.33
86	MP5C	Z	84.428	1.33
87	MP5C	Mx	.065	1.33
88	MP5C	X	146.234	3.33
89	MP5C	Z	84.428	3.33
90	MP5C	Mx	.065	3.33
91	MP2A	X	37.946	1.5
92	MP2A	Z	21.908	1.5
93	MP2A	Mx	.019	1.5
94	MP2B	X	50.379	1.5
95	MP2B	Z	29.086	1.5
96	MP2B	Mx	0	1.5
97	MP2C	X	40.651	1.5
98	MP2C	Z	23.47	1.5
99	MP2C	Mx	-.018	1.5
100	MP3A	X	35.509	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP3A	Z	20.501	.5
102	MP3A	Mx	.018	.5
103	MP3B	X	50.379	.5
104	MP3B	Z	29.086	.5
105	MP3B	Mx	0	.5
106	MP3C	X	38.744	.5
107	MP3C	Z	22.369	.5
108	MP3C	Mx	-.017	.5
109	MP2B	X	31.202	4
110	MP2B	Z	18.015	4
111	MP2B	Mx	0	4
112	MP2C	X	18.446	4
113	MP2C	Z	10.65	4
114	MP2C	Mx	-.008	4
115	MP2B	X	31.202	4
116	MP2B	Z	18.015	4
117	MP2B	Mx	0	4
118	MP2C	X	18.446	4
119	MP2C	Z	10.65	4
120	MP2C	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	41.588	1.58
2	MP2A	Z	72.033	1.58
3	MP2A	Mx	-.075	1.58
4	MP2A	X	41.588	5.58
5	MP2A	Z	72.033	5.58
6	MP2A	Mx	-.075	5.58
7	MP2B	X	41.588	1.58
8	MP2B	Z	72.033	1.58
9	MP2B	Mx	.033	1.58
10	MP2B	X	41.588	5.58
11	MP2B	Z	72.033	5.58
12	MP2B	Mx	.033	5.58
13	MP2C	X	33.551	1.58
14	MP2C	Z	58.112	1.58
15	MP2C	Mx	.024	1.58
16	MP2C	X	33.551	5.58
17	MP2C	Z	58.112	5.58
18	MP2C	Mx	.024	5.58
19	MP2A	X	41.588	1.58
20	MP2A	Z	72.033	1.58
21	MP2A	Mx	.033	1.58
22	MP2A	X	41.588	5.58
23	MP2A	Z	72.033	5.58
24	MP2A	Mx	.033	5.58
25	MP2B	X	41.588	1.58
26	MP2B	Z	72.033	1.58
27	MP2B	Mx	-.075	1.58
28	MP2B	X	41.588	5.58
29	MP2B	Z	72.033	5.58
30	MP2B	Mx	-.075	5.58
31	MP2C	X	33.551	1.58
32	MP2C	Z	58.112	1.58
33	MP2C	Mx	.042	1.58
34	MP2C	X	33.551	5.58
35	MP2C	Z	58.112	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.042	5.58
37	MP4A	X	30.751	2
38	MP4A	Z	53.263	2
39	MP4A	Mx	-.015	2
40	MP4A	X	30.751	4
41	MP4A	Z	53.263	4
42	MP4A	Mx	-.015	4
43	MP4B	X	30.751	2
44	MP4B	Z	53.263	2
45	MP4B	Mx	-.015	2
46	MP4B	X	30.751	4
47	MP4B	Z	53.263	4
48	MP4B	Mx	-.015	4
49	MP4C	X	13.394	2
50	MP4C	Z	23.198	2
51	MP4C	Mx	.013	2
52	MP4C	X	13.394	4
53	MP4C	Z	23.198	4
54	MP4C	Mx	.013	4
55	MP1A	X	87.668	1.33
56	MP1A	Z	151.846	1.33
57	MP1A	Mx	-.044	1.33
58	MP1A	X	87.668	3.33
59	MP1A	Z	151.846	3.33
60	MP1A	Mx	-.044	3.33
61	MP1B	X	87.668	1.33
62	MP1B	Z	151.846	1.33
63	MP1B	Mx	-.044	1.33
64	MP1B	X	87.668	3.33
65	MP1B	Z	151.846	3.33
66	MP1B	Mx	-.044	3.33
67	MP1C	X	80.743	1.33
68	MP1C	Z	139.852	1.33
69	MP1C	Mx	.08	1.33
70	MP1C	X	80.743	3.33
71	MP1C	Z	139.852	3.33
72	MP1C	Mx	.08	3.33
73	MP5A	X	87.668	1.33
74	MP5A	Z	151.846	1.33
75	MP5A	Mx	-.044	1.33
76	MP5A	X	87.668	3.33
77	MP5A	Z	151.846	3.33
78	MP5A	Mx	-.044	3.33
79	MP5B	X	87.668	1.33
80	MP5B	Z	151.846	1.33
81	MP5B	Mx	-.044	1.33
82	MP5B	X	87.668	3.33
83	MP5B	Z	151.846	3.33
84	MP5B	Mx	-.044	3.33
85	MP5C	X	80.743	1.33
86	MP5C	Z	139.852	1.33
87	MP5C	Mx	.08	1.33
88	MP5C	X	80.743	3.33
89	MP5C	Z	139.852	3.33
90	MP5C	Mx	.08	3.33
91	MP2A	X	26.694	1.5
92	MP2A	Z	46.235	1.5
93	MP2A	Mx	.013	1.5
94	MP2B	X	26.694	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	46.235	1.5
96	MP2B	Mx	.013	1.5
97	MP2C	X	19.804	1.5
98	MP2C	Z	34.302	1.5
99	MP2C	Mx	-.02	1.5
100	MP3A	X	26.224	.5
101	MP3A	Z	45.422	.5
102	MP3A	Mx	.013	.5
103	MP3B	X	26.224	.5
104	MP3B	Z	45.422	.5
105	MP3B	Mx	.013	.5
106	MP3C	X	17.984	.5
107	MP3C	Z	31.15	.5
108	MP3C	Mx	-.018	.5
109	MP2B	X	14.877	4
110	MP2B	Z	25.768	4
111	MP2B	Mx	.007	4
112	MP2C	X	5.842	4
113	MP2C	Z	10.119	4
114	MP2C	Mx	-.006	4
115	MP2B	X	14.877	4
116	MP2B	Z	25.768	4
117	MP2B	Mx	-.004	4
118	MP2C	X	5.842	4
119	MP2C	Z	10.119	4
120	MP2C	Mx	.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.58
2	MP2A	Z	88.759	1.58
3	MP2A	Mx	-.067	1.58
4	MP2A	X	0	5.58
5	MP2A	Z	88.759	5.58
6	MP2A	Mx	-.067	5.58
7	MP2B	X	0	1.58
8	MP2B	Z	72.011	1.58
9	MP2B	Mx	-.004	1.58
10	MP2B	X	0	5.58
11	MP2B	Z	72.011	5.58
12	MP2B	Mx	-.004	5.58
13	MP2C	X	0	1.58
14	MP2C	Z	69.041	1.58
15	MP2C	Mx	.05	1.58
16	MP2C	X	0	5.58
17	MP2C	Z	69.041	5.58
18	MP2C	Mx	.05	5.58
19	MP2A	X	0	1.58
20	MP2A	Z	88.759	1.58
21	MP2A	Mx	.067	1.58
22	MP2A	X	0	5.58
23	MP2A	Z	88.759	5.58
24	MP2A	Mx	.067	5.58
25	MP2B	X	0	1.58
26	MP2B	Z	72.011	1.58
27	MP2B	Mx	-.058	1.58
28	MP2B	X	0	5.58
29	MP2B	Z	72.011	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	-.058	5.58
31	MP2C	X	0	1.58
32	MP2C	Z	69.041	1.58
33	MP2C	Mx	.015	1.58
34	MP2C	X	0	5.58
35	MP2C	Z	69.041	5.58
36	MP2C	Mx	.015	5.58
37	MP4A	X	0	2
38	MP4A	Z	73.56	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	73.56	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	37.39	2
45	MP4B	Mx	-.016	2
46	MP4B	X	0	4
47	MP4B	Z	37.39	4
48	MP4B	Mx	-.016	4
49	MP4C	X	0	2
50	MP4C	Z	30.974	2
51	MP4C	Mx	.015	2
52	MP4C	X	0	4
53	MP4C	Z	30.974	4
54	MP4C	Mx	.015	4
55	MP1A	X	0	1.33
56	MP1A	Z	180.146	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	180.146	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	165.717	1.33
63	MP1B	Mx	-.072	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	165.717	3.33
66	MP1B	Mx	-.072	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	163.157	1.33
69	MP1C	Mx	.077	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	163.157	3.33
72	MP1C	Mx	.077	3.33
73	MP5A	X	0	1.33
74	MP5A	Z	180.146	1.33
75	MP5A	Mx	0	1.33
76	MP5A	X	0	3.33
77	MP5A	Z	180.146	3.33
78	MP5A	Mx	0	3.33
79	MP5B	X	0	1.33
80	MP5B	Z	165.717	1.33
81	MP5B	Mx	-.072	1.33
82	MP5B	X	0	3.33
83	MP5B	Z	165.717	3.33
84	MP5B	Mx	-.072	3.33
85	MP5C	X	0	1.33
86	MP5C	Z	163.157	1.33
87	MP5C	Mx	.077	1.33
88	MP5C	X	0	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP5C	Z	163.157	3.33
90	MP5C	Mx	.077	3.33
91	MP2A	X	0	1.5
92	MP2A	Z	58.172	1.5
93	MP2A	Mx	0	1.5
94	MP2B	X	0	1.5
95	MP2B	Z	43.817	1.5
96	MP2B	Mx	.019	1.5
97	MP2C	X	0	1.5
98	MP2C	Z	41.271	1.5
99	MP2C	Mx	-.019	1.5
100	MP3A	X	0	.5
101	MP3A	Z	58.172	.5
102	MP3A	Mx	0	.5
103	MP3B	X	0	.5
104	MP3B	Z	41.002	.5
105	MP3B	Mx	.018	.5
106	MP3C	X	0	.5
107	MP3C	Z	37.957	.5
108	MP3C	Mx	-.018	.5
109	MP2B	X	0	4
110	MP2B	Z	17.203	4
111	MP2B	Mx	.007	4
112	MP2C	X	0	4
113	MP2C	Z	13.864	4
114	MP2C	Mx	-.007	4
115	MP2B	X	0	4
116	MP2B	Z	17.203	4
117	MP2B	Mx	-.004	4
118	MP2C	X	0	4
119	MP2C	Z	13.864	4
120	MP2C	Mx	.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-41.588	1.58
2	MP2A	Z	72.033	1.58
3	MP2A	Mx	-.033	1.58
4	MP2A	X	-41.588	5.58
5	MP2A	Z	72.033	5.58
6	MP2A	Mx	-.033	5.58
7	MP2B	X	-33.214	1.58
8	MP2B	Z	57.529	1.58
9	MP2B	Mx	-.033	1.58
10	MP2B	X	-33.214	5.58
11	MP2B	Z	57.529	5.58
12	MP2B	Mx	-.033	5.58
13	MP2C	X	-39.766	1.58
14	MP2C	Z	68.878	1.58
15	MP2C	Mx	.071	1.58
16	MP2C	X	-39.766	5.58
17	MP2C	Z	68.878	5.58
18	MP2C	Mx	.071	5.58
19	MP2A	X	-41.588	1.58
20	MP2A	Z	72.033	1.58
21	MP2A	Mx	.075	1.58
22	MP2A	X	-41.588	5.58
23	MP2A	Z	72.033	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.075	5.58
25	MP2B	X	-33.214	1.58
26	MP2B	Z	57.529	1.58
27	MP2B	Mx	-.033	1.58
28	MP2B	X	-33.214	5.58
29	MP2B	Z	57.529	5.58
30	MP2B	Mx	-.033	5.58
31	MP2C	X	-39.766	1.58
32	MP2C	Z	68.878	1.58
33	MP2C	Mx	-.02	1.58
34	MP2C	X	-39.766	5.58
35	MP2C	Z	68.878	5.58
36	MP2C	Mx	-.02	5.58
37	MP4A	X	-30.751	2
38	MP4A	Z	53.263	2
39	MP4A	Mx	.015	2
40	MP4A	X	-30.751	4
41	MP4A	Z	53.263	4
42	MP4A	Mx	.015	4
43	MP4B	X	-12.667	2
44	MP4B	Z	21.939	2
45	MP4B	Mx	-.013	2
46	MP4B	X	-12.667	4
47	MP4B	Z	21.939	4
48	MP4B	Mx	-.013	4
49	MP4C	X	-26.817	2
50	MP4C	Z	46.448	2
51	MP4C	Mx	.017	2
52	MP4C	X	-26.817	4
53	MP4C	Z	46.448	4
54	MP4C	Mx	.017	4
55	MP1A	X	-87.668	1.33
56	MP1A	Z	151.846	1.33
57	MP1A	Mx	.044	1.33
58	MP1A	X	-87.668	3.33
59	MP1A	Z	151.846	3.33
60	MP1A	Mx	.044	3.33
61	MP1B	X	-80.453	1.33
62	MP1B	Z	139.349	1.33
63	MP1B	Mx	-.08	1.33
64	MP1B	X	-80.453	3.33
65	MP1B	Z	139.349	3.33
66	MP1B	Mx	-.08	3.33
67	MP1C	X	-86.098	1.33
68	MP1C	Z	149.127	1.33
69	MP1C	Mx	.055	1.33
70	MP1C	X	-86.098	3.33
71	MP1C	Z	149.127	3.33
72	MP1C	Mx	.055	3.33
73	MP5A	X	-87.668	1.33
74	MP5A	Z	151.846	1.33
75	MP5A	Mx	.044	1.33
76	MP5A	X	-87.668	3.33
77	MP5A	Z	151.846	3.33
78	MP5A	Mx	.044	3.33
79	MP5B	X	-80.453	1.33
80	MP5B	Z	139.349	1.33
81	MP5B	Mx	-.08	1.33
82	MP5B	X	-80.453	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP5B	Z	139.349	3.33
84	MP5B	Mx	-.08	3.33
85	MP5C	X	-86.098	1.33
86	MP5C	Z	149.127	1.33
87	MP5C	Mx	.055	1.33
88	MP5C	X	-86.098	3.33
89	MP5C	Z	149.127	3.33
90	MP5C	Mx	.055	3.33
91	MP2A	X	-26.694	1.5
92	MP2A	Z	46.235	1.5
93	MP2A	Mx	-.013	1.5
94	MP2B	X	-19.516	1.5
95	MP2B	Z	33.802	1.5
96	MP2B	Mx	.02	1.5
97	MP2C	X	-25.132	1.5
98	MP2C	Z	43.53	1.5
99	MP2C	Mx	-.016	1.5
100	MP3A	X	-26.224	.5
101	MP3A	Z	45.422	.5
102	MP3A	Mx	-.013	.5
103	MP3B	X	-17.639	.5
104	MP3B	Z	30.552	.5
105	MP3B	Mx	.018	.5
106	MP3C	X	-24.357	.5
107	MP3C	Z	42.187	.5
108	MP3C	Mx	-.016	.5
109	MP2B	X	-5.464	4
110	MP2B	Z	9.464	4
111	MP2B	Mx	.005	4
112	MP2C	X	-12.829	4
113	MP2C	Z	22.22	4
114	MP2C	Mx	-.008	4
115	MP2B	X	-5.464	4
116	MP2B	Z	9.464	4
117	MP2B	Mx	-.003	4
118	MP2C	X	-12.829	4
119	MP2C	Z	22.22	4
120	MP2C	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-62.364	1.58
2	MP2A	Z	36.006	1.58
3	MP2A	Mx	.004	1.58
4	MP2A	X	-62.364	5.58
5	MP2A	Z	36.006	5.58
6	MP2A	Mx	.004	5.58
7	MP2B	X	-62.364	1.58
8	MP2B	Z	36.006	1.58
9	MP2B	Mx	-.058	1.58
10	MP2B	X	-62.364	5.58
11	MP2B	Z	36.006	5.58
12	MP2B	Mx	-.058	5.58
13	MP2C	X	-76.285	1.58
14	MP2C	Z	44.043	1.58
15	MP2C	Mx	.073	1.58
16	MP2C	X	-76.285	5.58
17	MP2C	Z	44.043	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.073	5.58
19	MP2A	X	-62.364	1.58
20	MP2A	Z	36.006	1.58
21	MP2A	Mx	.058	1.58
22	MP2A	X	-62.364	5.58
23	MP2A	Z	36.006	5.58
24	MP2A	Mx	.058	5.58
25	MP2B	X	-62.364	1.58
26	MP2B	Z	36.006	1.58
27	MP2B	Mx	-.004	1.58
28	MP2B	X	-62.364	5.58
29	MP2B	Z	36.006	5.58
30	MP2B	Mx	-.004	5.58
31	MP2C	X	-76.285	1.58
32	MP2C	Z	44.043	1.58
33	MP2C	Mx	-.057	1.58
34	MP2C	X	-76.285	5.58
35	MP2C	Z	44.043	5.58
36	MP2C	Mx	-.057	5.58
37	MP4A	X	-32.38	2
38	MP4A	Z	18.695	2
39	MP4A	Mx	.016	2
40	MP4A	X	-32.38	4
41	MP4A	Z	18.695	4
42	MP4A	Mx	.016	4
43	MP4B	X	-32.38	2
44	MP4B	Z	18.695	2
45	MP4B	Mx	-.016	2
46	MP4B	X	-32.38	4
47	MP4B	Z	18.695	4
48	MP4B	Mx	-.016	4
49	MP4C	X	-62.445	2
50	MP4C	Z	36.053	2
51	MP4C	Mx	.006	2
52	MP4C	X	-62.445	4
53	MP4C	Z	36.053	4
54	MP4C	Mx	.006	4
55	MP1A	X	-143.515	1.33
56	MP1A	Z	82.858	1.33
57	MP1A	Mx	.072	1.33
58	MP1A	X	-143.515	3.33
59	MP1A	Z	82.858	3.33
60	MP1A	Mx	.072	3.33
61	MP1B	X	-143.515	1.33
62	MP1B	Z	82.858	1.33
63	MP1B	Mx	-.072	1.33
64	MP1B	X	-143.515	3.33
65	MP1B	Z	82.858	3.33
66	MP1B	Mx	-.072	3.33
67	MP1C	X	-155.509	1.33
68	MP1C	Z	89.783	1.33
69	MP1C	Mx	.016	1.33
70	MP1C	X	-155.509	3.33
71	MP1C	Z	89.783	3.33
72	MP1C	Mx	.016	3.33
73	MP5A	X	-143.515	1.33
74	MP5A	Z	82.858	1.33
75	MP5A	Mx	.072	1.33
76	MP5A	X	-143.515	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP5A	Z	82.858	3.33
78	MP5A	Mx	.072	3.33
79	MP5B	X	-143.515	1.33
80	MP5B	Z	82.858	1.33
81	MP5B	Mx	-.072	1.33
82	MP5B	X	-143.515	3.33
83	MP5B	Z	82.858	3.33
84	MP5B	Mx	-.072	3.33
85	MP5C	X	-155.509	1.33
86	MP5C	Z	89.783	1.33
87	MP5C	Mx	.016	1.33
88	MP5C	X	-155.509	3.33
89	MP5C	Z	89.783	3.33
90	MP5C	Mx	.016	3.33
91	MP2A	X	-37.946	1.5
92	MP2A	Z	21.908	1.5
93	MP2A	Mx	-.019	1.5
94	MP2B	X	-37.946	1.5
95	MP2B	Z	21.908	1.5
96	MP2B	Mx	.019	1.5
97	MP2C	X	-49.879	1.5
98	MP2C	Z	28.797	1.5
99	MP2C	Mx	-.005	1.5
100	MP3A	X	-35.509	.5
101	MP3A	Z	20.501	.5
102	MP3A	Mx	-.018	.5
103	MP3B	X	-35.509	.5
104	MP3B	Z	20.501	.5
105	MP3B	Mx	.018	.5
106	MP3C	X	-49.781	.5
107	MP3C	Z	28.741	.5
108	MP3C	Mx	-.005	.5
109	MP2B	X	-14.898	4
110	MP2B	Z	8.602	4
111	MP2B	Mx	.007	4
112	MP2C	X	-30.547	4
113	MP2C	Z	17.636	4
114	MP2C	Mx	-.003	4
115	MP2B	X	-14.898	4
116	MP2B	Z	8.602	4
117	MP2B	Mx	-.004	4
118	MP2C	X	-30.547	4
119	MP2C	Z	17.636	4
120	MP2C	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-66.429	1.58
2	MP2A	Z	0	1.58
3	MP2A	Mx	.033	1.58
4	MP2A	X	-66.429	5.58
5	MP2A	Z	0	5.58
6	MP2A	Mx	.033	5.58
7	MP2B	X	-83.177	1.58
8	MP2B	Z	0	1.58
9	MP2B	Mx	-.075	1.58
10	MP2B	X	-83.177	5.58
11	MP2B	Z	0	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	-.075	5.58
13	MP2C	X	-86.147	1.58
14	MP2C	Z	0	1.58
15	MP2C	Mx	.046	1.58
16	MP2C	X	-86.147	5.58
17	MP2C	Z	0	5.58
18	MP2C	Mx	.046	5.58
19	MP2A	X	-66.429	1.58
20	MP2A	Z	0	1.58
21	MP2A	Mx	.033	1.58
22	MP2A	X	-66.429	5.58
23	MP2A	Z	0	5.58
24	MP2A	Mx	.033	5.58
25	MP2B	X	-83.177	1.58
26	MP2B	Z	0	1.58
27	MP2B	Mx	.033	1.58
28	MP2B	X	-83.177	5.58
29	MP2B	Z	0	5.58
30	MP2B	Mx	.033	5.58
31	MP2C	X	-86.147	1.58
32	MP2C	Z	0	1.58
33	MP2C	Mx	-.075	1.58
34	MP2C	X	-86.147	5.58
35	MP2C	Z	0	5.58
36	MP2C	Mx	-.075	5.58
37	MP4A	X	-25.333	2
38	MP4A	Z	0	2
39	MP4A	Mx	.013	2
40	MP4A	X	-25.333	4
41	MP4A	Z	0	4
42	MP4A	Mx	.013	4
43	MP4B	X	-61.503	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.015	2
46	MP4B	X	-61.503	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.015	4
49	MP4C	X	-67.918	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.012	2
52	MP4C	X	-67.918	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.012	4
55	MP1A	X	-160.907	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	.08	1.33
58	MP1A	X	-160.907	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	.08	3.33
61	MP1B	X	-175.336	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	-.044	1.33
64	MP1B	X	-175.336	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	-.044	3.33
67	MP1C	X	-177.895	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	-.03	1.33
70	MP1C	X	-177.895	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP1C	Z	0	3.33
72	MP1C	Mx	-.03	3.33
73	MP5A	X	-160.907	1.33
74	MP5A	Z	0	1.33
75	MP5A	Mx	.08	1.33
76	MP5A	X	-160.907	3.33
77	MP5A	Z	0	3.33
78	MP5A	Mx	.08	3.33
79	MP5B	X	-175.336	1.33
80	MP5B	Z	0	1.33
81	MP5B	Mx	-.044	1.33
82	MP5B	X	-175.336	3.33
83	MP5B	Z	0	3.33
84	MP5B	Mx	-.044	3.33
85	MP5C	X	-177.895	1.33
86	MP5C	Z	0	1.33
87	MP5C	Mx	-.03	1.33
88	MP5C	X	-177.895	3.33
89	MP5C	Z	0	3.33
90	MP5C	Mx	-.03	3.33
91	MP2A	X	-39.032	1.5
92	MP2A	Z	0	1.5
93	MP2A	Mx	-.02	1.5
94	MP2B	X	-53.387	1.5
95	MP2B	Z	0	1.5
96	MP2B	Mx	.013	1.5
97	MP2C	X	-55.933	1.5
98	MP2C	Z	0	1.5
99	MP2C	Mx	.01	1.5
100	MP3A	X	-35.279	.5
101	MP3A	Z	0	.5
102	MP3A	Mx	-.018	.5
103	MP3B	X	-52.449	.5
104	MP3B	Z	0	.5
105	MP3B	Mx	.013	.5
106	MP3C	X	-55.494	.5
107	MP3C	Z	0	.5
108	MP3C	Mx	.009	.5
109	MP2B	X	-29.754	4
110	MP2B	Z	0	4
111	MP2B	Mx	.007	4
112	MP2C	X	-33.093	4
113	MP2C	Z	0	4
114	MP2C	Mx	.006	4
115	MP2B	X	-29.754	4
116	MP2B	Z	0	4
117	MP2B	Mx	-.004	4
118	MP2C	X	-33.093	4
119	MP2C	Z	0	4
120	MP2C	Mx	-.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-62.364	1.58
2	MP2A	Z	-36.006	1.58
3	MP2A	Mx	.058	1.58
4	MP2A	X	-62.364	5.58
5	MP2A	Z	-36.006	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.058	5.58
7	MP2B	X	-76.868	1.58
8	MP2B	Z	-44.38	1.58
9	MP2B	Mx	-.067	1.58
10	MP2B	X	-76.868	5.58
11	MP2B	Z	-44.38	5.58
12	MP2B	Mx	-.067	5.58
13	MP2C	X	-65.519	1.58
14	MP2C	Z	-37.828	1.58
15	MP2C	Mx	.007	1.58
16	MP2C	X	-65.519	5.58
17	MP2C	Z	-37.828	5.58
18	MP2C	Mx	.007	5.58
19	MP2A	X	-62.364	1.58
20	MP2A	Z	-36.006	1.58
21	MP2A	Mx	.004	1.58
22	MP2A	X	-62.364	5.58
23	MP2A	Z	-36.006	5.58
24	MP2A	Mx	.004	5.58
25	MP2B	X	-76.868	1.58
26	MP2B	Z	-44.38	1.58
27	MP2B	Mx	.067	1.58
28	MP2B	X	-76.868	5.58
29	MP2B	Z	-44.38	5.58
30	MP2B	Mx	.067	5.58
31	MP2C	X	-65.519	1.58
32	MP2C	Z	-37.828	1.58
33	MP2C	Mx	-.065	1.58
34	MP2C	X	-65.519	5.58
35	MP2C	Z	-37.828	5.58
36	MP2C	Mx	-.065	5.58
37	MP4A	X	-32.38	2
38	MP4A	Z	-18.695	2
39	MP4A	Mx	.016	2
40	MP4A	X	-32.38	4
41	MP4A	Z	-18.695	4
42	MP4A	Mx	.016	4
43	MP4B	X	-63.704	2
44	MP4B	Z	-36.78	2
45	MP4B	Mx	0	2
46	MP4B	X	-63.704	4
47	MP4B	Z	-36.78	4
48	MP4B	Mx	0	4
49	MP4C	X	-39.196	2
50	MP4C	Z	-22.63	2
51	MP4C	Mx	-.017	2
52	MP4C	X	-39.196	4
53	MP4C	Z	-22.63	4
54	MP4C	Mx	-.017	4
55	MP1A	X	-143.515	1.33
56	MP1A	Z	-82.858	1.33
57	MP1A	Mx	.072	1.33
58	MP1A	X	-143.515	3.33
59	MP1A	Z	-82.858	3.33
60	MP1A	Mx	.072	3.33
61	MP1B	X	-156.011	1.33
62	MP1B	Z	-90.073	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	-156.011	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP1B	Z	-90.073	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	-146.234	1.33
68	MP1C	Z	-84.428	1.33
69	MP1C	Mx	-.065	1.33
70	MP1C	X	-146.234	3.33
71	MP1C	Z	-84.428	3.33
72	MP1C	Mx	-.065	3.33
73	MP5A	X	-143.515	1.33
74	MP5A	Z	-82.858	1.33
75	MP5A	Mx	.072	1.33
76	MP5A	X	-143.515	3.33
77	MP5A	Z	-82.858	3.33
78	MP5A	Mx	.072	3.33
79	MP5B	X	-156.011	1.33
80	MP5B	Z	-90.073	1.33
81	MP5B	Mx	0	1.33
82	MP5B	X	-156.011	3.33
83	MP5B	Z	-90.073	3.33
84	MP5B	Mx	0	3.33
85	MP5C	X	-146.234	1.33
86	MP5C	Z	-84.428	1.33
87	MP5C	Mx	-.065	1.33
88	MP5C	X	-146.234	3.33
89	MP5C	Z	-84.428	3.33
90	MP5C	Mx	-.065	3.33
91	MP2A	X	-37.946	1.5
92	MP2A	Z	-21.908	1.5
93	MP2A	Mx	-.019	1.5
94	MP2B	X	-50.379	1.5
95	MP2B	Z	-29.086	1.5
96	MP2B	Mx	0	1.5
97	MP2C	X	-40.651	1.5
98	MP2C	Z	-23.47	1.5
99	MP2C	Mx	.018	1.5
100	MP3A	X	-35.509	.5
101	MP3A	Z	-20.501	.5
102	MP3A	Mx	-.018	.5
103	MP3B	X	-50.379	.5
104	MP3B	Z	-29.086	.5
105	MP3B	Mx	0	.5
106	MP3C	X	-38.744	.5
107	MP3C	Z	-22.369	.5
108	MP3C	Mx	.017	.5
109	MP2B	X	-31.202	4
110	MP2B	Z	-18.015	4
111	MP2B	Mx	0	4
112	MP2C	X	-18.446	4
113	MP2C	Z	-10.65	4
114	MP2C	Mx	.008	4
115	MP2B	X	-31.202	4
116	MP2B	Z	-18.015	4
117	MP2B	Mx	0	4
118	MP2C	X	-18.446	4
119	MP2C	Z	-10.65	4
120	MP2C	Mx	-.004	4

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-41.588	1.58
2	MP2A	Z	-72.033	1.58
3	MP2A	Mx	.075	1.58
4	MP2A	X	-41.588	5.58
5	MP2A	Z	-72.033	5.58
6	MP2A	Mx	.075	5.58
7	MP2B	X	-41.588	1.58
8	MP2B	Z	-72.033	1.58
9	MP2B	Mx	-.033	1.58
10	MP2B	X	-41.588	5.58
11	MP2B	Z	-72.033	5.58
12	MP2B	Mx	-.033	5.58
13	MP2C	X	-33.551	1.58
14	MP2C	Z	-58.112	1.58
15	MP2C	Mx	-.024	1.58
16	MP2C	X	-33.551	5.58
17	MP2C	Z	-58.112	5.58
18	MP2C	Mx	-.024	5.58
19	MP2A	X	-41.588	1.58
20	MP2A	Z	-72.033	1.58
21	MP2A	Mx	-.033	1.58
22	MP2A	X	-41.588	5.58
23	MP2A	Z	-72.033	5.58
24	MP2A	Mx	-.033	5.58
25	MP2B	X	-41.588	1.58
26	MP2B	Z	-72.033	1.58
27	MP2B	Mx	.075	1.58
28	MP2B	X	-41.588	5.58
29	MP2B	Z	-72.033	5.58
30	MP2B	Mx	.075	5.58
31	MP2C	X	-33.551	1.58
32	MP2C	Z	-58.112	1.58
33	MP2C	Mx	-.042	1.58
34	MP2C	X	-33.551	5.58
35	MP2C	Z	-58.112	5.58
36	MP2C	Mx	-.042	5.58
37	MP4A	X	-30.751	2
38	MP4A	Z	-53.263	2
39	MP4A	Mx	.015	2
40	MP4A	X	-30.751	4
41	MP4A	Z	-53.263	4
42	MP4A	Mx	.015	4
43	MP4B	X	-30.751	2
44	MP4B	Z	-53.263	2
45	MP4B	Mx	.015	2
46	MP4B	X	-30.751	4
47	MP4B	Z	-53.263	4
48	MP4B	Mx	.015	4
49	MP4C	X	-13.394	2
50	MP4C	Z	-23.198	2
51	MP4C	Mx	-.013	2
52	MP4C	X	-13.394	4
53	MP4C	Z	-23.198	4
54	MP4C	Mx	-.013	4
55	MP1A	X	-87.668	1.33
56	MP1A	Z	-151.846	1.33
57	MP1A	Mx	.044	1.33
58	MP1A	X	-87.668	3.33
59	MP1A	Z	-151.846	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.044	3.33
61	MP1B	X	-87.668	1.33
62	MP1B	Z	-151.846	1.33
63	MP1B	Mx	.044	1.33
64	MP1B	X	-87.668	3.33
65	MP1B	Z	-151.846	3.33
66	MP1B	Mx	.044	3.33
67	MP1C	X	-80.743	1.33
68	MP1C	Z	-139.852	1.33
69	MP1C	Mx	-.08	1.33
70	MP1C	X	-80.743	3.33
71	MP1C	Z	-139.852	3.33
72	MP1C	Mx	-.08	3.33
73	MP5A	X	-87.668	1.33
74	MP5A	Z	-151.846	1.33
75	MP5A	Mx	.044	1.33
76	MP5A	X	-87.668	3.33
77	MP5A	Z	-151.846	3.33
78	MP5A	Mx	.044	3.33
79	MP5B	X	-87.668	1.33
80	MP5B	Z	-151.846	1.33
81	MP5B	Mx	.044	1.33
82	MP5B	X	-87.668	3.33
83	MP5B	Z	-151.846	3.33
84	MP5B	Mx	.044	3.33
85	MP5C	X	-80.743	1.33
86	MP5C	Z	-139.852	1.33
87	MP5C	Mx	-.08	1.33
88	MP5C	X	-80.743	3.33
89	MP5C	Z	-139.852	3.33
90	MP5C	Mx	-.08	3.33
91	MP2A	X	-26.694	1.5
92	MP2A	Z	-46.235	1.5
93	MP2A	Mx	-.013	1.5
94	MP2B	X	-26.694	1.5
95	MP2B	Z	-46.235	1.5
96	MP2B	Mx	-.013	1.5
97	MP2C	X	-19.804	1.5
98	MP2C	Z	-34.302	1.5
99	MP2C	Mx	.02	1.5
100	MP3A	X	-26.224	.5
101	MP3A	Z	-45.422	.5
102	MP3A	Mx	-.013	.5
103	MP3B	X	-26.224	.5
104	MP3B	Z	-45.422	.5
105	MP3B	Mx	-.013	.5
106	MP3C	X	-17.984	.5
107	MP3C	Z	-31.15	.5
108	MP3C	Mx	.018	.5
109	MP2B	X	-14.877	4
110	MP2B	Z	-25.768	4
111	MP2B	Mx	-.007	4
112	MP2C	X	-5.842	4
113	MP2C	Z	-10.119	4
114	MP2C	Mx	.006	4
115	MP2B	X	-14.877	4
116	MP2B	Z	-25.768	4
117	MP2B	Mx	.004	4
118	MP2C	X	-5.842	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP2C	Z	-10.119	4
120	MP2C	Mx	-.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.58
2	MP2A	Z	-32.336	1.58
3	MP2A	Mx	.024	1.58
4	MP2A	X	0	5.58
5	MP2A	Z	-32.336	5.58
6	MP2A	Mx	.024	5.58
7	MP2B	X	0	1.58
8	MP2B	Z	-26.434	1.58
9	MP2B	Mx	.002	1.58
10	MP2B	X	0	5.58
11	MP2B	Z	-26.434	5.58
12	MP2B	Mx	.002	5.58
13	MP2C	X	0	1.58
14	MP2C	Z	-25.387	1.58
15	MP2C	Mx	-.018	1.58
16	MP2C	X	0	5.58
17	MP2C	Z	-25.387	5.58
18	MP2C	Mx	-.018	5.58
19	MP2A	X	0	1.58
20	MP2A	Z	-32.336	1.58
21	MP2A	Mx	-.024	1.58
22	MP2A	X	0	5.58
23	MP2A	Z	-32.336	5.58
24	MP2A	Mx	-.024	5.58
25	MP2B	X	0	1.58
26	MP2B	Z	-26.434	1.58
27	MP2B	Mx	.021	1.58
28	MP2B	X	0	5.58
29	MP2B	Z	-26.434	5.58
30	MP2B	Mx	.021	5.58
31	MP2C	X	0	1.58
32	MP2C	Z	-25.387	1.58
33	MP2C	Mx	-.005	1.58
34	MP2C	X	0	5.58
35	MP2C	Z	-25.387	5.58
36	MP2C	Mx	-.005	5.58
37	MP4A	X	0	2
38	MP4A	Z	-15.956	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-15.956	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-9.09	2
45	MP4B	Mx	.004	2
46	MP4B	X	0	4
47	MP4B	Z	-9.09	4
48	MP4B	Mx	.004	4
49	MP4C	X	0	2
50	MP4C	Z	-7.872	2
51	MP4C	Mx	-.004	2
52	MP4C	X	0	4
53	MP4C	Z	-7.872	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP4C	Mx	-.004	4
55	MP1A	X	0	1.33
56	MP1A	Z	-31.47	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	-31.47	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	-29.102	1.33
63	MP1B	Mx	.013	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	-29.102	3.33
66	MP1B	Mx	.013	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	-28.682	1.33
69	MP1C	Mx	-.013	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	-28.682	3.33
72	MP1C	Mx	-.013	3.33
73	MP5A	X	0	1.33
74	MP5A	Z	-31.47	1.33
75	MP5A	Mx	0	1.33
76	MP5A	X	0	3.33
77	MP5A	Z	-31.47	3.33
78	MP5A	Mx	0	3.33
79	MP5B	X	0	1.33
80	MP5B	Z	-29.102	1.33
81	MP5B	Mx	.013	1.33
82	MP5B	X	0	3.33
83	MP5B	Z	-29.102	3.33
84	MP5B	Mx	.013	3.33
85	MP5C	X	0	1.33
86	MP5C	Z	-28.682	1.33
87	MP5C	Mx	-.013	1.33
88	MP5C	X	0	3.33
89	MP5C	Z	-28.682	3.33
90	MP5C	Mx	-.013	3.33
91	MP2A	X	0	1.5
92	MP2A	Z	-13.454	1.5
93	MP2A	Mx	0	1.5
94	MP2B	X	0	1.5
95	MP2B	Z	-10.385	1.5
96	MP2B	Mx	-.004	1.5
97	MP2C	X	0	1.5
98	MP2C	Z	-9.84	1.5
99	MP2C	Mx	.005	1.5
100	MP3A	X	0	.5
101	MP3A	Z	-13.454	.5
102	MP3A	Mx	0	.5
103	MP3B	X	0	.5
104	MP3B	Z	-9.832	.5
105	MP3B	Mx	-.004	.5
106	MP3C	X	0	.5
107	MP3C	Z	-9.19	.5
108	MP3C	Mx	.004	.5
109	MP2B	X	0	4
110	MP2B	Z	-3.944	4
111	MP2B	Mx	-.002	4
112	MP2C	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
113	MP2C	Z	-3.331	4
114	MP2C	Mx	.002	4
115	MP2B	X	0	4
116	MP2B	Z	-3.944	4
117	MP2B	Mx	.000854	4
118	MP2C	X	0	4
119	MP2C	Z	-3.331	4
120	MP2C	Mx	-.000783	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.184	1.58
2	MP2A	Z	-26.3	1.58
3	MP2A	Mx	.012	1.58
4	MP2A	X	15.184	5.58
5	MP2A	Z	-26.3	5.58
6	MP2A	Mx	.012	5.58
7	MP2B	X	12.233	1.58
8	MP2B	Z	-21.188	1.58
9	MP2B	Mx	.012	1.58
10	MP2B	X	12.233	5.58
11	MP2B	Z	-21.188	5.58
12	MP2B	Mx	.012	5.58
13	MP2C	X	14.542	1.58
14	MP2C	Z	-25.188	1.58
15	MP2C	Mx	-.026	1.58
16	MP2C	X	14.542	5.58
17	MP2C	Z	-25.188	5.58
18	MP2C	Mx	-.026	5.58
19	MP2A	X	15.184	1.58
20	MP2A	Z	-26.3	1.58
21	MP2A	Mx	-.027	1.58
22	MP2A	X	15.184	5.58
23	MP2A	Z	-26.3	5.58
24	MP2A	Mx	-.027	5.58
25	MP2B	X	12.233	1.58
26	MP2B	Z	-21.188	1.58
27	MP2B	Mx	.012	1.58
28	MP2B	X	12.233	5.58
29	MP2B	Z	-21.188	5.58
30	MP2B	Mx	.012	5.58
31	MP2C	X	14.542	1.58
32	MP2C	Z	-25.188	1.58
33	MP2C	Mx	.007	1.58
34	MP2C	X	14.542	5.58
35	MP2C	Z	-25.188	5.58
36	MP2C	Mx	.007	5.58
37	MP4A	X	6.834	2
38	MP4A	Z	-11.837	2
39	MP4A	Mx	-.003	2
40	MP4A	X	6.834	4
41	MP4A	Z	-11.837	4
42	MP4A	Mx	-.003	4
43	MP4B	X	3.401	2
44	MP4B	Z	-5.89	2
45	MP4B	Mx	.003	2
46	MP4B	X	3.401	4
47	MP4B	Z	-5.89	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	.003	4
49	MP4C	X	6.087	2
50	MP4C	Z	-10.543	2
51	MP4C	Mx	-.004	2
52	MP4C	X	6.087	4
53	MP4C	Z	-10.543	4
54	MP4C	Mx	-.004	4
55	MP1A	X	15.34	1.33
56	MP1A	Z	-26.57	1.33
57	MP1A	Mx	-.008	1.33
58	MP1A	X	15.34	3.33
59	MP1A	Z	-26.57	3.33
60	MP1A	Mx	-.008	3.33
61	MP1B	X	14.156	1.33
62	MP1B	Z	-24.519	1.33
63	MP1B	Mx	.014	1.33
64	MP1B	X	14.156	3.33
65	MP1B	Z	-24.519	3.33
66	MP1B	Mx	.014	3.33
67	MP1C	X	15.083	1.33
68	MP1C	Z	-26.124	1.33
69	MP1C	Mx	-.01	1.33
70	MP1C	X	15.083	3.33
71	MP1C	Z	-26.124	3.33
72	MP1C	Mx	-.01	3.33
73	MP5A	X	15.34	1.33
74	MP5A	Z	-26.57	1.33
75	MP5A	Mx	-.008	1.33
76	MP5A	X	15.34	3.33
77	MP5A	Z	-26.57	3.33
78	MP5A	Mx	-.008	3.33
79	MP5B	X	14.156	1.33
80	MP5B	Z	-24.519	1.33
81	MP5B	Mx	.014	1.33
82	MP5B	X	14.156	3.33
83	MP5B	Z	-24.519	3.33
84	MP5B	Mx	.014	3.33
85	MP5C	X	15.083	1.33
86	MP5C	Z	-26.124	1.33
87	MP5C	Mx	-.01	1.33
88	MP5C	X	15.083	3.33
89	MP5C	Z	-26.124	3.33
90	MP5C	Mx	-.01	3.33
91	MP2A	X	6.215	1.5
92	MP2A	Z	-10.766	1.5
93	MP2A	Mx	.003	1.5
94	MP2B	X	4.681	1.5
95	MP2B	Z	-8.107	1.5
96	MP2B	Mx	-.005	1.5
97	MP2C	X	5.882	1.5
98	MP2C	Z	-10.187	1.5
99	MP2C	Mx	.004	1.5
100	MP3A	X	6.123	.5
101	MP3A	Z	-10.606	.5
102	MP3A	Mx	.003	.5
103	MP3B	X	4.312	.5
104	MP3B	Z	-7.469	.5
105	MP3B	Mx	-.004	.5
106	MP3C	X	5.729	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	-9.924	.5
108	MP3C	Mx	.004	.5
109	MP2B	X	1.396	4
110	MP2B	Z	-2.418	4
111	MP2B	Mx	-.001	4
112	MP2C	X	2.748	4
113	MP2C	Z	-4.76	4
114	MP2C	Mx	.002	4
115	MP2B	X	1.396	4
116	MP2B	Z	-2.418	4
117	MP2B	Mx	.000698	4
118	MP2C	X	2.748	4
119	MP2C	Z	-4.76	4
120	MP2C	Mx	-.000883	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	22.892	1.58
2	MP2A	Z	-13.217	1.58
3	MP2A	Mx	-.002	1.58
4	MP2A	X	22.892	5.58
5	MP2A	Z	-13.217	5.58
6	MP2A	Mx	-.002	5.58
7	MP2B	X	22.892	1.58
8	MP2B	Z	-13.217	1.58
9	MP2B	Mx	.021	1.58
10	MP2B	X	22.892	5.58
11	MP2B	Z	-13.217	5.58
12	MP2B	Mx	.021	5.58
13	MP2C	X	27.799	1.58
14	MP2C	Z	-16.05	1.58
15	MP2C	Mx	-.026	1.58
16	MP2C	X	27.799	5.58
17	MP2C	Z	-16.05	5.58
18	MP2C	Mx	-.026	5.58
19	MP2A	X	22.892	1.58
20	MP2A	Z	-13.217	1.58
21	MP2A	Mx	-.021	1.58
22	MP2A	X	22.892	5.58
23	MP2A	Z	-13.217	5.58
24	MP2A	Mx	-.021	5.58
25	MP2B	X	22.892	1.58
26	MP2B	Z	-13.217	1.58
27	MP2B	Mx	.002	1.58
28	MP2B	X	22.892	5.58
29	MP2B	Z	-13.217	5.58
30	MP2B	Mx	.002	5.58
31	MP2C	X	27.799	1.58
32	MP2C	Z	-16.05	1.58
33	MP2C	Mx	.021	1.58
34	MP2C	X	27.799	5.58
35	MP2C	Z	-16.05	5.58
36	MP2C	Mx	.021	5.58
37	MP4A	X	7.872	2
38	MP4A	Z	-4.545	2
39	MP4A	Mx	-.004	2
40	MP4A	X	7.872	4
41	MP4A	Z	-4.545	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	-.004	4
43	MP4B	X	7.872	2
44	MP4B	Z	-4.545	2
45	MP4B	Mx	.004	2
46	MP4B	X	7.872	4
47	MP4B	Z	-4.545	4
48	MP4B	Mx	.004	4
49	MP4C	X	13.58	2
50	MP4C	Z	-7.84	2
51	MP4C	Mx	-.001	2
52	MP4C	X	13.58	4
53	MP4C	Z	-7.84	4
54	MP4C	Mx	-.001	4
55	MP1A	X	25.203	1.33
56	MP1A	Z	-14.551	1.33
57	MP1A	Mx	-.013	1.33
58	MP1A	X	25.203	3.33
59	MP1A	Z	-14.551	3.33
60	MP1A	Mx	-.013	3.33
61	MP1B	X	25.203	1.33
62	MP1B	Z	-14.551	1.33
63	MP1B	Mx	.013	1.33
64	MP1B	X	25.203	3.33
65	MP1B	Z	-14.551	3.33
66	MP1B	Mx	.013	3.33
67	MP1C	X	27.171	1.33
68	MP1C	Z	-15.687	1.33
69	MP1C	Mx	-.003	1.33
70	MP1C	X	27.171	3.33
71	MP1C	Z	-15.687	3.33
72	MP1C	Mx	-.003	3.33
73	MP5A	X	25.203	1.33
74	MP5A	Z	-14.551	1.33
75	MP5A	Mx	-.013	1.33
76	MP5A	X	25.203	3.33
77	MP5A	Z	-14.551	3.33
78	MP5A	Mx	-.013	3.33
79	MP5B	X	25.203	1.33
80	MP5B	Z	-14.551	1.33
81	MP5B	Mx	.013	1.33
82	MP5B	X	25.203	3.33
83	MP5B	Z	-14.551	3.33
84	MP5B	Mx	.013	3.33
85	MP5C	X	27.171	1.33
86	MP5C	Z	-15.687	1.33
87	MP5C	Mx	-.003	1.33
88	MP5C	X	27.171	3.33
89	MP5C	Z	-15.687	3.33
90	MP5C	Mx	-.003	3.33
91	MP2A	X	8.993	1.5
92	MP2A	Z	-5.192	1.5
93	MP2A	Mx	.004	1.5
94	MP2B	X	8.993	1.5
95	MP2B	Z	-5.192	1.5
96	MP2B	Mx	-.004	1.5
97	MP2C	X	11.545	1.5
98	MP2C	Z	-6.665	1.5
99	MP2C	Mx	.001	1.5
100	MP3A	X	8.515	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP3A	Z	-4.916	.5
102	MP3A	Mx	.004	.5
103	MP3B	X	8.515	.5
104	MP3B	Z	-4.916	.5
105	MP3B	Mx	-.004	.5
106	MP3C	X	11.526	.5
107	MP3C	Z	-6.654	.5
108	MP3C	Mx	.001	.5
109	MP2B	X	3.416	4
110	MP2B	Z	-1.972	4
111	MP2B	Mx	-.002	4
112	MP2C	X	6.288	4
113	MP2C	Z	-3.63	4
114	MP2C	Mx	.00063	4
115	MP2B	X	3.416	4
116	MP2B	Z	-1.972	4
117	MP2B	Mx	.000854	4
118	MP2C	X	6.288	4
119	MP2C	Z	-3.63	4
120	MP2C	Mx	-.000315	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	24.466	1.58
2	MP2A	Z	0	1.58
3	MP2A	Mx	-.012	1.58
4	MP2A	X	24.466	5.58
5	MP2A	Z	0	5.58
6	MP2A	Mx	-.012	5.58
7	MP2B	X	30.369	1.58
8	MP2B	Z	0	1.58
9	MP2B	Mx	.027	1.58
10	MP2B	X	30.369	5.58
11	MP2B	Z	0	5.58
12	MP2B	Mx	.027	5.58
13	MP2C	X	31.416	1.58
14	MP2C	Z	0	1.58
15	MP2C	Mx	-.017	1.58
16	MP2C	X	31.416	5.58
17	MP2C	Z	0	5.58
18	MP2C	Mx	-.017	5.58
19	MP2A	X	24.466	1.58
20	MP2A	Z	0	1.58
21	MP2A	Mx	-.012	1.58
22	MP2A	X	24.466	5.58
23	MP2A	Z	0	5.58
24	MP2A	Mx	-.012	5.58
25	MP2B	X	30.369	1.58
26	MP2B	Z	0	1.58
27	MP2B	Mx	-.012	1.58
28	MP2B	X	30.369	5.58
29	MP2B	Z	0	5.58
30	MP2B	Mx	-.012	5.58
31	MP2C	X	31.416	1.58
32	MP2C	Z	0	1.58
33	MP2C	Mx	.028	1.58
34	MP2C	X	31.416	5.58
35	MP2C	Z	0	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.028	5.58
37	MP4A	X	6.801	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.003	2
40	MP4A	X	6.801	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.003	4
43	MP4B	X	13.668	2
44	MP4B	Z	0	2
45	MP4B	Mx	.003	2
46	MP4B	X	13.668	4
47	MP4B	Z	0	4
48	MP4B	Mx	.003	4
49	MP4C	X	14.886	2
50	MP4C	Z	0	2
51	MP4C	Mx	.003	2
52	MP4C	X	14.886	4
53	MP4C	Z	0	4
54	MP4C	Mx	.003	4
55	MP1A	X	28.312	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	-.014	1.33
58	MP1A	X	28.312	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	-.014	3.33
61	MP1B	X	30.681	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	.008	1.33
64	MP1B	X	30.681	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	.008	3.33
67	MP1C	X	31.101	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	.005	1.33
70	MP1C	X	31.101	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	.005	3.33
73	MP5A	X	28.312	1.33
74	MP5A	Z	0	1.33
75	MP5A	Mx	-.014	1.33
76	MP5A	X	28.312	3.33
77	MP5A	Z	0	3.33
78	MP5A	Mx	-.014	3.33
79	MP5B	X	30.681	1.33
80	MP5B	Z	0	1.33
81	MP5B	Mx	.008	1.33
82	MP5B	X	30.681	3.33
83	MP5B	Z	0	3.33
84	MP5B	Mx	.008	3.33
85	MP5C	X	31.101	1.33
86	MP5C	Z	0	1.33
87	MP5C	Mx	.005	1.33
88	MP5C	X	31.101	3.33
89	MP5C	Z	0	3.33
90	MP5C	Mx	.005	3.33
91	MP2A	X	9.362	1.5
92	MP2A	Z	0	1.5
93	MP2A	Mx	.005	1.5
94	MP2B	X	12.431	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	0	1.5
96	MP2B	Mx	-.003	1.5
97	MP2C	X	12.975	1.5
98	MP2C	Z	0	1.5
99	MP2C	Mx	-.002	1.5
100	MP3A	X	8.625	.5
101	MP3A	Z	0	.5
102	MP3A	Mx	.004	.5
103	MP3B	X	12.247	.5
104	MP3B	Z	0	.5
105	MP3B	Mx	-.003	.5
106	MP3C	X	12.889	.5
107	MP3C	Z	0	.5
108	MP3C	Mx	-.002	.5
109	MP2B	X	6.248	4
110	MP2B	Z	0	4
111	MP2B	Mx	-.002	4
112	MP2C	X	6.861	4
113	MP2C	Z	0	4
114	MP2C	Mx	-.001	4
115	MP2B	X	6.248	4
116	MP2B	Z	0	4
117	MP2B	Mx	.000781	4
118	MP2C	X	6.861	4
119	MP2C	Z	0	4
120	MP2C	Mx	.000587	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	22.892	1.58
2	MP2A	Z	13.217	1.58
3	MP2A	Mx	-.021	1.58
4	MP2A	X	22.892	5.58
5	MP2A	Z	13.217	5.58
6	MP2A	Mx	-.021	5.58
7	MP2B	X	28.004	1.58
8	MP2B	Z	16.168	1.58
9	MP2B	Mx	.024	1.58
10	MP2B	X	28.004	5.58
11	MP2B	Z	16.168	5.58
12	MP2B	Mx	.024	5.58
13	MP2C	X	24.004	1.58
14	MP2C	Z	13.859	1.58
15	MP2C	Mx	-.003	1.58
16	MP2C	X	24.004	5.58
17	MP2C	Z	13.859	5.58
18	MP2C	Mx	-.003	5.58
19	MP2A	X	22.892	1.58
20	MP2A	Z	13.217	1.58
21	MP2A	Mx	-.002	1.58
22	MP2A	X	22.892	5.58
23	MP2A	Z	13.217	5.58
24	MP2A	Mx	-.002	5.58
25	MP2B	X	28.004	1.58
26	MP2B	Z	16.168	1.58
27	MP2B	Mx	-.024	1.58
28	MP2B	X	28.004	5.58
29	MP2B	Z	16.168	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	-.024	5.58
31	MP2C	X	24.004	1.58
32	MP2C	Z	13.859	1.58
33	MP2C	Mx	.024	1.58
34	MP2C	X	24.004	5.58
35	MP2C	Z	13.859	5.58
36	MP2C	Mx	.024	5.58
37	MP4A	X	7.872	2
38	MP4A	Z	4.545	2
39	MP4A	Mx	-.004	2
40	MP4A	X	7.872	4
41	MP4A	Z	4.545	4
42	MP4A	Mx	-.004	4
43	MP4B	X	13.819	2
44	MP4B	Z	7.978	2
45	MP4B	Mx	0	2
46	MP4B	X	13.819	4
47	MP4B	Z	7.978	4
48	MP4B	Mx	0	4
49	MP4C	X	9.166	2
50	MP4C	Z	5.292	2
51	MP4C	Mx	.004	2
52	MP4C	X	9.166	4
53	MP4C	Z	5.292	4
54	MP4C	Mx	.004	4
55	MP1A	X	25.203	1.33
56	MP1A	Z	14.551	1.33
57	MP1A	Mx	-.013	1.33
58	MP1A	X	25.203	3.33
59	MP1A	Z	14.551	3.33
60	MP1A	Mx	-.013	3.33
61	MP1B	X	27.254	1.33
62	MP1B	Z	15.735	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	27.254	3.33
65	MP1B	Z	15.735	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	25.649	1.33
68	MP1C	Z	14.808	1.33
69	MP1C	Mx	.011	1.33
70	MP1C	X	25.649	3.33
71	MP1C	Z	14.808	3.33
72	MP1C	Mx	.011	3.33
73	MP5A	X	25.203	1.33
74	MP5A	Z	14.551	1.33
75	MP5A	Mx	-.013	1.33
76	MP5A	X	25.203	3.33
77	MP5A	Z	14.551	3.33
78	MP5A	Mx	-.013	3.33
79	MP5B	X	27.254	1.33
80	MP5B	Z	15.735	1.33
81	MP5B	Mx	0	1.33
82	MP5B	X	27.254	3.33
83	MP5B	Z	15.735	3.33
84	MP5B	Mx	0	3.33
85	MP5C	X	25.649	1.33
86	MP5C	Z	14.808	1.33
87	MP5C	Mx	.011	1.33
88	MP5C	X	25.649	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP5C	Z	14.808	3.33
90	MP5C	Mx	.011	3.33
91	MP2A	X	8.993	1.5
92	MP2A	Z	5.192	1.5
93	MP2A	Mx	.004	1.5
94	MP2B	X	11.652	1.5
95	MP2B	Z	6.727	1.5
96	MP2B	Mx	0	1.5
97	MP2C	X	9.572	1.5
98	MP2C	Z	5.526	1.5
99	MP2C	Mx	-.004	1.5
100	MP3A	X	8.515	.5
101	MP3A	Z	4.916	.5
102	MP3A	Mx	.004	.5
103	MP3B	X	11.652	.5
104	MP3B	Z	6.727	.5
105	MP3B	Mx	0	.5
106	MP3C	X	9.197	.5
107	MP3C	Z	5.31	.5
108	MP3C	Mx	-.004	.5
109	MP2B	X	6.408	4
110	MP2B	Z	3.7	4
111	MP2B	Mx	0	4
112	MP2C	X	4.067	4
113	MP2C	Z	2.348	4
114	MP2C	Mx	-.002	4
115	MP2B	X	6.408	4
116	MP2B	Z	3.7	4
117	MP2B	Mx	0	4
118	MP2C	X	4.067	4
119	MP2C	Z	2.348	4
120	MP2C	Mx	.000899	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.184	1.58
2	MP2A	Z	26.3	1.58
3	MP2A	Mx	-.027	1.58
4	MP2A	X	15.184	5.58
5	MP2A	Z	26.3	5.58
6	MP2A	Mx	-.027	5.58
7	MP2B	X	15.184	1.58
8	MP2B	Z	26.3	1.58
9	MP2B	Mx	.012	1.58
10	MP2B	X	15.184	5.58
11	MP2B	Z	26.3	5.58
12	MP2B	Mx	.012	5.58
13	MP2C	X	12.352	1.58
14	MP2C	Z	21.394	1.58
15	MP2C	Mx	.009	1.58
16	MP2C	X	12.352	5.58
17	MP2C	Z	21.394	5.58
18	MP2C	Mx	.009	5.58
19	MP2A	X	15.184	1.58
20	MP2A	Z	26.3	1.58
21	MP2A	Mx	.012	1.58
22	MP2A	X	15.184	5.58
23	MP2A	Z	26.3	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.012	5.58
25	MP2B	X	15.184	1.58
26	MP2B	Z	26.3	1.58
27	MP2B	Mx	-.027	1.58
28	MP2B	X	15.184	5.58
29	MP2B	Z	26.3	5.58
30	MP2B	Mx	-.027	5.58
31	MP2C	X	12.352	1.58
32	MP2C	Z	21.394	1.58
33	MP2C	Mx	.015	1.58
34	MP2C	X	12.352	5.58
35	MP2C	Z	21.394	5.58
36	MP2C	Mx	.015	5.58
37	MP4A	X	6.834	2
38	MP4A	Z	11.837	2
39	MP4A	Mx	-.003	2
40	MP4A	X	6.834	4
41	MP4A	Z	11.837	4
42	MP4A	Mx	-.003	4
43	MP4B	X	6.834	2
44	MP4B	Z	11.837	2
45	MP4B	Mx	-.003	2
46	MP4B	X	6.834	4
47	MP4B	Z	11.837	4
48	MP4B	Mx	-.003	4
49	MP4C	X	3.539	2
50	MP4C	Z	6.129	2
51	MP4C	Mx	.003	2
52	MP4C	X	3.539	4
53	MP4C	Z	6.129	4
54	MP4C	Mx	.003	4
55	MP1A	X	15.34	1.33
56	MP1A	Z	26.57	1.33
57	MP1A	Mx	-.008	1.33
58	MP1A	X	15.34	3.33
59	MP1A	Z	26.57	3.33
60	MP1A	Mx	-.008	3.33
61	MP1B	X	15.34	1.33
62	MP1B	Z	26.57	1.33
63	MP1B	Mx	-.008	1.33
64	MP1B	X	15.34	3.33
65	MP1B	Z	26.57	3.33
66	MP1B	Mx	-.008	3.33
67	MP1C	X	14.204	1.33
68	MP1C	Z	24.602	1.33
69	MP1C	Mx	.014	1.33
70	MP1C	X	14.204	3.33
71	MP1C	Z	24.602	3.33
72	MP1C	Mx	.014	3.33
73	MP5A	X	15.34	1.33
74	MP5A	Z	26.57	1.33
75	MP5A	Mx	-.008	1.33
76	MP5A	X	15.34	3.33
77	MP5A	Z	26.57	3.33
78	MP5A	Mx	-.008	3.33
79	MP5B	X	15.34	1.33
80	MP5B	Z	26.57	1.33
81	MP5B	Mx	-.008	1.33
82	MP5B	X	15.34	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP5B	Z	26.57	3.33
84	MP5B	Mx	-.008	3.33
85	MP5C	X	14.204	1.33
86	MP5C	Z	24.602	1.33
87	MP5C	Mx	.014	1.33
88	MP5C	X	14.204	3.33
89	MP5C	Z	24.602	3.33
90	MP5C	Mx	.014	3.33
91	MP2A	X	6.215	1.5
92	MP2A	Z	10.766	1.5
93	MP2A	Mx	.003	1.5
94	MP2B	X	6.215	1.5
95	MP2B	Z	10.766	1.5
96	MP2B	Mx	.003	1.5
97	MP2C	X	4.742	1.5
98	MP2C	Z	8.214	1.5
99	MP2C	Mx	-.005	1.5
100	MP3A	X	6.123	.5
101	MP3A	Z	10.606	.5
102	MP3A	Mx	.003	.5
103	MP3B	X	6.123	.5
104	MP3B	Z	10.606	.5
105	MP3B	Mx	.003	.5
106	MP3C	X	4.385	.5
107	MP3C	Z	7.596	.5
108	MP3C	Mx	-.004	.5
109	MP2B	X	3.124	4
110	MP2B	Z	5.411	4
111	MP2B	Mx	.002	4
112	MP2C	X	1.466	4
113	MP2C	Z	2.539	4
114	MP2C	Mx	-.001	4
115	MP2B	X	3.124	4
116	MP2B	Z	5.411	4
117	MP2B	Mx	-.000781	4
118	MP2C	X	1.466	4
119	MP2C	Z	2.539	4
120	MP2C	Mx	.000722	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.58
2	MP2A	Z	32.336	1.58
3	MP2A	Mx	-.024	1.58
4	MP2A	X	0	5.58
5	MP2A	Z	32.336	5.58
6	MP2A	Mx	-.024	5.58
7	MP2B	X	0	1.58
8	MP2B	Z	26.434	1.58
9	MP2B	Mx	-.002	1.58
10	MP2B	X	0	5.58
11	MP2B	Z	26.434	5.58
12	MP2B	Mx	-.002	5.58
13	MP2C	X	0	1.58
14	MP2C	Z	25.387	1.58
15	MP2C	Mx	.018	1.58
16	MP2C	X	0	5.58
17	MP2C	Z	25.387	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.018	5.58
19	MP2A	X	0	1.58
20	MP2A	Z	32.336	1.58
21	MP2A	Mx	.024	1.58
22	MP2A	X	0	5.58
23	MP2A	Z	32.336	5.58
24	MP2A	Mx	.024	5.58
25	MP2B	X	0	1.58
26	MP2B	Z	26.434	1.58
27	MP2B	Mx	-.021	1.58
28	MP2B	X	0	5.58
29	MP2B	Z	26.434	5.58
30	MP2B	Mx	-.021	5.58
31	MP2C	X	0	1.58
32	MP2C	Z	25.387	1.58
33	MP2C	Mx	.005	1.58
34	MP2C	X	0	5.58
35	MP2C	Z	25.387	5.58
36	MP2C	Mx	.005	5.58
37	MP4A	X	0	2
38	MP4A	Z	15.956	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	15.956	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	9.09	2
45	MP4B	Mx	-.004	2
46	MP4B	X	0	4
47	MP4B	Z	9.09	4
48	MP4B	Mx	-.004	4
49	MP4C	X	0	2
50	MP4C	Z	7.872	2
51	MP4C	Mx	.004	2
52	MP4C	X	0	4
53	MP4C	Z	7.872	4
54	MP4C	Mx	.004	4
55	MP1A	X	0	1.33
56	MP1A	Z	31.47	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	31.47	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	29.102	1.33
63	MP1B	Mx	-.013	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	29.102	3.33
66	MP1B	Mx	-.013	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	28.682	1.33
69	MP1C	Mx	.013	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	28.682	3.33
72	MP1C	Mx	.013	3.33
73	MP5A	X	0	1.33
74	MP5A	Z	31.47	1.33
75	MP5A	Mx	0	1.33
76	MP5A	X	0	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP5A	Z	31.47	3.33
78	MP5A	Mx	0	3.33
79	MP5B	X	0	1.33
80	MP5B	Z	29.102	1.33
81	MP5B	Mx	-.013	1.33
82	MP5B	X	0	3.33
83	MP5B	Z	29.102	3.33
84	MP5B	Mx	-.013	3.33
85	MP5C	X	0	1.33
86	MP5C	Z	28.682	1.33
87	MP5C	Mx	.013	1.33
88	MP5C	X	0	3.33
89	MP5C	Z	28.682	3.33
90	MP5C	Mx	.013	3.33
91	MP2A	X	0	1.5
92	MP2A	Z	13.454	1.5
93	MP2A	Mx	0	1.5
94	MP2B	X	0	1.5
95	MP2B	Z	10.385	1.5
96	MP2B	Mx	.004	1.5
97	MP2C	X	0	1.5
98	MP2C	Z	9.84	1.5
99	MP2C	Mx	-.005	1.5
100	MP3A	X	0	.5
101	MP3A	Z	13.454	.5
102	MP3A	Mx	0	.5
103	MP3B	X	0	.5
104	MP3B	Z	9.832	.5
105	MP3B	Mx	.004	.5
106	MP3C	X	0	.5
107	MP3C	Z	9.19	.5
108	MP3C	Mx	-.004	.5
109	MP2B	X	0	4
110	MP2B	Z	3.944	4
111	MP2B	Mx	.002	4
112	MP2C	X	0	4
113	MP2C	Z	3.331	4
114	MP2C	Mx	-.002	4
115	MP2B	X	0	4
116	MP2B	Z	3.944	4
117	MP2B	Mx	-.000854	4
118	MP2C	X	0	4
119	MP2C	Z	3.331	4
120	MP2C	Mx	.000783	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.184	1.58
2	MP2A	Z	26.3	1.58
3	MP2A	Mx	-.012	1.58
4	MP2A	X	-15.184	5.58
5	MP2A	Z	26.3	5.58
6	MP2A	Mx	-.012	5.58
7	MP2B	X	-12.233	1.58
8	MP2B	Z	21.188	1.58
9	MP2B	Mx	-.012	1.58
10	MP2B	X	-12.233	5.58
11	MP2B	Z	21.188	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	-.012	5.58
13	MP2C	X	-14.542	1.58
14	MP2C	Z	25.188	1.58
15	MP2C	Mx	.026	1.58
16	MP2C	X	-14.542	5.58
17	MP2C	Z	25.188	5.58
18	MP2C	Mx	.026	5.58
19	MP2A	X	-15.184	1.58
20	MP2A	Z	26.3	1.58
21	MP2A	Mx	.027	1.58
22	MP2A	X	-15.184	5.58
23	MP2A	Z	26.3	5.58
24	MP2A	Mx	.027	5.58
25	MP2B	X	-12.233	1.58
26	MP2B	Z	21.188	1.58
27	MP2B	Mx	-.012	1.58
28	MP2B	X	-12.233	5.58
29	MP2B	Z	21.188	5.58
30	MP2B	Mx	-.012	5.58
31	MP2C	X	-14.542	1.58
32	MP2C	Z	25.188	1.58
33	MP2C	Mx	-.007	1.58
34	MP2C	X	-14.542	5.58
35	MP2C	Z	25.188	5.58
36	MP2C	Mx	-.007	5.58
37	MP4A	X	-6.834	2
38	MP4A	Z	11.837	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.834	4
41	MP4A	Z	11.837	4
42	MP4A	Mx	.003	4
43	MP4B	X	-3.401	2
44	MP4B	Z	5.89	2
45	MP4B	Mx	-.003	2
46	MP4B	X	-3.401	4
47	MP4B	Z	5.89	4
48	MP4B	Mx	-.003	4
49	MP4C	X	-6.087	2
50	MP4C	Z	10.543	2
51	MP4C	Mx	.004	2
52	MP4C	X	-6.087	4
53	MP4C	Z	10.543	4
54	MP4C	Mx	.004	4
55	MP1A	X	-15.34	1.33
56	MP1A	Z	26.57	1.33
57	MP1A	Mx	.008	1.33
58	MP1A	X	-15.34	3.33
59	MP1A	Z	26.57	3.33
60	MP1A	Mx	.008	3.33
61	MP1B	X	-14.156	1.33
62	MP1B	Z	24.519	1.33
63	MP1B	Mx	-.014	1.33
64	MP1B	X	-14.156	3.33
65	MP1B	Z	24.519	3.33
66	MP1B	Mx	-.014	3.33
67	MP1C	X	-15.083	1.33
68	MP1C	Z	26.124	1.33
69	MP1C	Mx	.01	1.33
70	MP1C	X	-15.083	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP1C	Z	26.124	3.33
72	MP1C	Mx	.01	3.33
73	MP5A	X	-15.34	1.33
74	MP5A	Z	26.57	1.33
75	MP5A	Mx	.008	1.33
76	MP5A	X	-15.34	3.33
77	MP5A	Z	26.57	3.33
78	MP5A	Mx	.008	3.33
79	MP5B	X	-14.156	1.33
80	MP5B	Z	24.519	1.33
81	MP5B	Mx	-.014	1.33
82	MP5B	X	-14.156	3.33
83	MP5B	Z	24.519	3.33
84	MP5B	Mx	-.014	3.33
85	MP5C	X	-15.083	1.33
86	MP5C	Z	26.124	1.33
87	MP5C	Mx	.01	1.33
88	MP5C	X	-15.083	3.33
89	MP5C	Z	26.124	3.33
90	MP5C	Mx	.01	3.33
91	MP2A	X	-6.215	1.5
92	MP2A	Z	10.766	1.5
93	MP2A	Mx	-.003	1.5
94	MP2B	X	-4.681	1.5
95	MP2B	Z	8.107	1.5
96	MP2B	Mx	.005	1.5
97	MP2C	X	-5.882	1.5
98	MP2C	Z	10.187	1.5
99	MP2C	Mx	-.004	1.5
100	MP3A	X	-6.123	.5
101	MP3A	Z	10.606	.5
102	MP3A	Mx	-.003	.5
103	MP3B	X	-4.312	.5
104	MP3B	Z	7.469	.5
105	MP3B	Mx	.004	.5
106	MP3C	X	-5.729	.5
107	MP3C	Z	9.924	.5
108	MP3C	Mx	-.004	.5
109	MP2B	X	-1.396	4
110	MP2B	Z	2.418	4
111	MP2B	Mx	.001	4
112	MP2C	X	-2.748	4
113	MP2C	Z	4.76	4
114	MP2C	Mx	-.002	4
115	MP2B	X	-1.396	4
116	MP2B	Z	2.418	4
117	MP2B	Mx	-.000698	4
118	MP2C	X	-2.748	4
119	MP2C	Z	4.76	4
120	MP2C	Mx	.000883	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.892	1.58
2	MP2A	Z	13.217	1.58
3	MP2A	Mx	.002	1.58
4	MP2A	X	-22.892	5.58
5	MP2A	Z	13.217	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.002	5.58
7	MP2B	X	-22.892	1.58
8	MP2B	Z	13.217	1.58
9	MP2B	Mx	-.021	1.58
10	MP2B	X	-22.892	5.58
11	MP2B	Z	13.217	5.58
12	MP2B	Mx	-.021	5.58
13	MP2C	X	-27.799	1.58
14	MP2C	Z	16.05	1.58
15	MP2C	Mx	.026	1.58
16	MP2C	X	-27.799	5.58
17	MP2C	Z	16.05	5.58
18	MP2C	Mx	.026	5.58
19	MP2A	X	-22.892	1.58
20	MP2A	Z	13.217	1.58
21	MP2A	Mx	.021	1.58
22	MP2A	X	-22.892	5.58
23	MP2A	Z	13.217	5.58
24	MP2A	Mx	.021	5.58
25	MP2B	X	-22.892	1.58
26	MP2B	Z	13.217	1.58
27	MP2B	Mx	-.002	1.58
28	MP2B	X	-22.892	5.58
29	MP2B	Z	13.217	5.58
30	MP2B	Mx	-.002	5.58
31	MP2C	X	-27.799	1.58
32	MP2C	Z	16.05	1.58
33	MP2C	Mx	-.021	1.58
34	MP2C	X	-27.799	5.58
35	MP2C	Z	16.05	5.58
36	MP2C	Mx	-.021	5.58
37	MP4A	X	-7.872	2
38	MP4A	Z	4.545	2
39	MP4A	Mx	.004	2
40	MP4A	X	-7.872	4
41	MP4A	Z	4.545	4
42	MP4A	Mx	.004	4
43	MP4B	X	-7.872	2
44	MP4B	Z	4.545	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-7.872	4
47	MP4B	Z	4.545	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-13.58	2
50	MP4C	Z	7.84	2
51	MP4C	Mx	.001	2
52	MP4C	X	-13.58	4
53	MP4C	Z	7.84	4
54	MP4C	Mx	.001	4
55	MP1A	X	-25.203	1.33
56	MP1A	Z	14.551	1.33
57	MP1A	Mx	.013	1.33
58	MP1A	X	-25.203	3.33
59	MP1A	Z	14.551	3.33
60	MP1A	Mx	.013	3.33
61	MP1B	X	-25.203	1.33
62	MP1B	Z	14.551	1.33
63	MP1B	Mx	-.013	1.33
64	MP1B	X	-25.203	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP1B	Z	14.551	3.33
66	MP1B	Mx	-.013	3.33
67	MP1C	X	-27.171	1.33
68	MP1C	Z	15.687	1.33
69	MP1C	Mx	.003	1.33
70	MP1C	X	-27.171	3.33
71	MP1C	Z	15.687	3.33
72	MP1C	Mx	.003	3.33
73	MP5A	X	-25.203	1.33
74	MP5A	Z	14.551	1.33
75	MP5A	Mx	.013	1.33
76	MP5A	X	-25.203	3.33
77	MP5A	Z	14.551	3.33
78	MP5A	Mx	.013	3.33
79	MP5B	X	-25.203	1.33
80	MP5B	Z	14.551	1.33
81	MP5B	Mx	-.013	1.33
82	MP5B	X	-25.203	3.33
83	MP5B	Z	14.551	3.33
84	MP5B	Mx	-.013	3.33
85	MP5C	X	-27.171	1.33
86	MP5C	Z	15.687	1.33
87	MP5C	Mx	.003	1.33
88	MP5C	X	-27.171	3.33
89	MP5C	Z	15.687	3.33
90	MP5C	Mx	.003	3.33
91	MP2A	X	-8.993	1.5
92	MP2A	Z	5.192	1.5
93	MP2A	Mx	-.004	1.5
94	MP2B	X	-8.993	1.5
95	MP2B	Z	5.192	1.5
96	MP2B	Mx	.004	1.5
97	MP2C	X	-11.545	1.5
98	MP2C	Z	6.665	1.5
99	MP2C	Mx	-.001	1.5
100	MP3A	X	-8.515	.5
101	MP3A	Z	4.916	.5
102	MP3A	Mx	-.004	.5
103	MP3B	X	-8.515	.5
104	MP3B	Z	4.916	.5
105	MP3B	Mx	.004	.5
106	MP3C	X	-11.526	.5
107	MP3C	Z	6.654	.5
108	MP3C	Mx	-.001	.5
109	MP2B	X	-3.416	4
110	MP2B	Z	1.972	4
111	MP2B	Mx	.002	4
112	MP2C	X	-6.288	4
113	MP2C	Z	3.63	4
114	MP2C	Mx	-.00063	4
115	MP2B	X	-3.416	4
116	MP2B	Z	1.972	4
117	MP2B	Mx	-.000854	4
118	MP2C	X	-6.288	4
119	MP2C	Z	3.63	4
120	MP2C	Mx	.000315	4

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-24.466	1.58
2	MP2A	Z	0	1.58
3	MP2A	Mx	.012	1.58
4	MP2A	X	-24.466	5.58
5	MP2A	Z	0	5.58
6	MP2A	Mx	.012	5.58
7	MP2B	X	-30.369	1.58
8	MP2B	Z	0	1.58
9	MP2B	Mx	-.027	1.58
10	MP2B	X	-30.369	5.58
11	MP2B	Z	0	5.58
12	MP2B	Mx	-.027	5.58
13	MP2C	X	-31.416	1.58
14	MP2C	Z	0	1.58
15	MP2C	Mx	.017	1.58
16	MP2C	X	-31.416	5.58
17	MP2C	Z	0	5.58
18	MP2C	Mx	.017	5.58
19	MP2A	X	-24.466	1.58
20	MP2A	Z	0	1.58
21	MP2A	Mx	.012	1.58
22	MP2A	X	-24.466	5.58
23	MP2A	Z	0	5.58
24	MP2A	Mx	.012	5.58
25	MP2B	X	-30.369	1.58
26	MP2B	Z	0	1.58
27	MP2B	Mx	.012	1.58
28	MP2B	X	-30.369	5.58
29	MP2B	Z	0	5.58
30	MP2B	Mx	.012	5.58
31	MP2C	X	-31.416	1.58
32	MP2C	Z	0	1.58
33	MP2C	Mx	-.028	1.58
34	MP2C	X	-31.416	5.58
35	MP2C	Z	0	5.58
36	MP2C	Mx	-.028	5.58
37	MP4A	X	-6.801	2
38	MP4A	Z	0	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.801	4
41	MP4A	Z	0	4
42	MP4A	Mx	.003	4
43	MP4B	X	-13.668	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.003	2
46	MP4B	X	-13.668	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.003	4
49	MP4C	X	-14.886	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.003	2
52	MP4C	X	-14.886	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.003	4
55	MP1A	X	-28.312	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	.014	1.33
58	MP1A	X	-28.312	3.33
59	MP1A	Z	0	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.014	3.33
61	MP1B	X	-30.681	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	-.008	1.33
64	MP1B	X	-30.681	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	-.008	3.33
67	MP1C	X	-31.101	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	-.005	1.33
70	MP1C	X	-31.101	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	-.005	3.33
73	MP5A	X	-28.312	1.33
74	MP5A	Z	0	1.33
75	MP5A	Mx	.014	1.33
76	MP5A	X	-28.312	3.33
77	MP5A	Z	0	3.33
78	MP5A	Mx	.014	3.33
79	MP5B	X	-30.681	1.33
80	MP5B	Z	0	1.33
81	MP5B	Mx	-.008	1.33
82	MP5B	X	-30.681	3.33
83	MP5B	Z	0	3.33
84	MP5B	Mx	-.008	3.33
85	MP5C	X	-31.101	1.33
86	MP5C	Z	0	1.33
87	MP5C	Mx	-.005	1.33
88	MP5C	X	-31.101	3.33
89	MP5C	Z	0	3.33
90	MP5C	Mx	-.005	3.33
91	MP2A	X	-9.362	1.5
92	MP2A	Z	0	1.5
93	MP2A	Mx	-.005	1.5
94	MP2B	X	-12.431	1.5
95	MP2B	Z	0	1.5
96	MP2B	Mx	.003	1.5
97	MP2C	X	-12.975	1.5
98	MP2C	Z	0	1.5
99	MP2C	Mx	.002	1.5
100	MP3A	X	-8.625	.5
101	MP3A	Z	0	.5
102	MP3A	Mx	-.004	.5
103	MP3B	X	-12.247	.5
104	MP3B	Z	0	.5
105	MP3B	Mx	.003	.5
106	MP3C	X	-12.889	.5
107	MP3C	Z	0	.5
108	MP3C	Mx	.002	.5
109	MP2B	X	-6.248	4
110	MP2B	Z	0	4
111	MP2B	Mx	.002	4
112	MP2C	X	-6.861	4
113	MP2C	Z	0	4
114	MP2C	Mx	.001	4
115	MP2B	X	-6.248	4
116	MP2B	Z	0	4
117	MP2B	Mx	-.000781	4
118	MP2C	X	-6.861	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP2C	Z	0	4
120	MP2C	Mx	-.000587	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.892	1.58
2	MP2A	Z	-13.217	1.58
3	MP2A	Mx	.021	1.58
4	MP2A	X	-22.892	5.58
5	MP2A	Z	-13.217	5.58
6	MP2A	Mx	.021	5.58
7	MP2B	X	-28.004	1.58
8	MP2B	Z	-16.168	1.58
9	MP2B	Mx	-.024	1.58
10	MP2B	X	-28.004	5.58
11	MP2B	Z	-16.168	5.58
12	MP2B	Mx	-.024	5.58
13	MP2C	X	-24.004	1.58
14	MP2C	Z	-13.859	1.58
15	MP2C	Mx	.003	1.58
16	MP2C	X	-24.004	5.58
17	MP2C	Z	-13.859	5.58
18	MP2C	Mx	.003	5.58
19	MP2A	X	-22.892	1.58
20	MP2A	Z	-13.217	1.58
21	MP2A	Mx	.002	1.58
22	MP2A	X	-22.892	5.58
23	MP2A	Z	-13.217	5.58
24	MP2A	Mx	.002	5.58
25	MP2B	X	-28.004	1.58
26	MP2B	Z	-16.168	1.58
27	MP2B	Mx	.024	1.58
28	MP2B	X	-28.004	5.58
29	MP2B	Z	-16.168	5.58
30	MP2B	Mx	.024	5.58
31	MP2C	X	-24.004	1.58
32	MP2C	Z	-13.859	1.58
33	MP2C	Mx	-.024	1.58
34	MP2C	X	-24.004	5.58
35	MP2C	Z	-13.859	5.58
36	MP2C	Mx	-.024	5.58
37	MP4A	X	-7.872	2
38	MP4A	Z	-4.545	2
39	MP4A	Mx	.004	2
40	MP4A	X	-7.872	4
41	MP4A	Z	-4.545	4
42	MP4A	Mx	.004	4
43	MP4B	X	-13.819	2
44	MP4B	Z	-7.978	2
45	MP4B	Mx	0	2
46	MP4B	X	-13.819	4
47	MP4B	Z	-7.978	4
48	MP4B	Mx	0	4
49	MP4C	X	-9.166	2
50	MP4C	Z	-5.292	2
51	MP4C	Mx	-.004	2
52	MP4C	X	-9.166	4
53	MP4C	Z	-5.292	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP4C	Mx	-.004	4
55	MP1A	X	-25.203	1.33
56	MP1A	Z	-14.551	1.33
57	MP1A	Mx	.013	1.33
58	MP1A	X	-25.203	3.33
59	MP1A	Z	-14.551	3.33
60	MP1A	Mx	.013	3.33
61	MP1B	X	-27.254	1.33
62	MP1B	Z	-15.735	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	-27.254	3.33
65	MP1B	Z	-15.735	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	-25.649	1.33
68	MP1C	Z	-14.808	1.33
69	MP1C	Mx	-.011	1.33
70	MP1C	X	-25.649	3.33
71	MP1C	Z	-14.808	3.33
72	MP1C	Mx	-.011	3.33
73	MP5A	X	-25.203	1.33
74	MP5A	Z	-14.551	1.33
75	MP5A	Mx	.013	1.33
76	MP5A	X	-25.203	3.33
77	MP5A	Z	-14.551	3.33
78	MP5A	Mx	.013	3.33
79	MP5B	X	-27.254	1.33
80	MP5B	Z	-15.735	1.33
81	MP5B	Mx	0	1.33
82	MP5B	X	-27.254	3.33
83	MP5B	Z	-15.735	3.33
84	MP5B	Mx	0	3.33
85	MP5C	X	-25.649	1.33
86	MP5C	Z	-14.808	1.33
87	MP5C	Mx	-.011	1.33
88	MP5C	X	-25.649	3.33
89	MP5C	Z	-14.808	3.33
90	MP5C	Mx	-.011	3.33
91	MP2A	X	-8.993	1.5
92	MP2A	Z	-5.192	1.5
93	MP2A	Mx	-.004	1.5
94	MP2B	X	-11.652	1.5
95	MP2B	Z	-6.727	1.5
96	MP2B	Mx	0	1.5
97	MP2C	X	-9.572	1.5
98	MP2C	Z	-5.526	1.5
99	MP2C	Mx	.004	1.5
100	MP3A	X	-8.515	.5
101	MP3A	Z	-4.916	.5
102	MP3A	Mx	-.004	.5
103	MP3B	X	-11.652	.5
104	MP3B	Z	-6.727	.5
105	MP3B	Mx	0	.5
106	MP3C	X	-9.197	.5
107	MP3C	Z	-5.31	.5
108	MP3C	Mx	.004	.5
109	MP2B	X	-6.408	4
110	MP2B	Z	-3.7	4
111	MP2B	Mx	0	4
112	MP2C	X	-4.067	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
113	MP2C	Z	-2.348	4
114	MP2C	Mx	.002	4
115	MP2B	X	-6.408	4
116	MP2B	Z	-3.7	4
117	MP2B	Mx	0	4
118	MP2C	X	-4.067	4
119	MP2C	Z	-2.348	4
120	MP2C	Mx	-.000899	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.184	1.58
2	MP2A	Z	-26.3	1.58
3	MP2A	Mx	.027	1.58
4	MP2A	X	-15.184	5.58
5	MP2A	Z	-26.3	5.58
6	MP2A	Mx	.027	5.58
7	MP2B	X	-15.184	1.58
8	MP2B	Z	-26.3	1.58
9	MP2B	Mx	-.012	1.58
10	MP2B	X	-15.184	5.58
11	MP2B	Z	-26.3	5.58
12	MP2B	Mx	-.012	5.58
13	MP2C	X	-12.352	1.58
14	MP2C	Z	-21.394	1.58
15	MP2C	Mx	-.009	1.58
16	MP2C	X	-12.352	5.58
17	MP2C	Z	-21.394	5.58
18	MP2C	Mx	-.009	5.58
19	MP2A	X	-15.184	1.58
20	MP2A	Z	-26.3	1.58
21	MP2A	Mx	-.012	1.58
22	MP2A	X	-15.184	5.58
23	MP2A	Z	-26.3	5.58
24	MP2A	Mx	-.012	5.58
25	MP2B	X	-15.184	1.58
26	MP2B	Z	-26.3	1.58
27	MP2B	Mx	.027	1.58
28	MP2B	X	-15.184	5.58
29	MP2B	Z	-26.3	5.58
30	MP2B	Mx	.027	5.58
31	MP2C	X	-12.352	1.58
32	MP2C	Z	-21.394	1.58
33	MP2C	Mx	-.015	1.58
34	MP2C	X	-12.352	5.58
35	MP2C	Z	-21.394	5.58
36	MP2C	Mx	-.015	5.58
37	MP4A	X	-6.834	2
38	MP4A	Z	-11.837	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.834	4
41	MP4A	Z	-11.837	4
42	MP4A	Mx	.003	4
43	MP4B	X	-6.834	2
44	MP4B	Z	-11.837	2
45	MP4B	Mx	.003	2
46	MP4B	X	-6.834	4
47	MP4B	Z	-11.837	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	.003	4
49	MP4C	X	-3.539	2
50	MP4C	Z	-6.129	2
51	MP4C	Mx	-.003	2
52	MP4C	X	-3.539	4
53	MP4C	Z	-6.129	4
54	MP4C	Mx	-.003	4
55	MP1A	X	-15.34	1.33
56	MP1A	Z	-26.57	1.33
57	MP1A	Mx	.008	1.33
58	MP1A	X	-15.34	3.33
59	MP1A	Z	-26.57	3.33
60	MP1A	Mx	.008	3.33
61	MP1B	X	-15.34	1.33
62	MP1B	Z	-26.57	1.33
63	MP1B	Mx	.008	1.33
64	MP1B	X	-15.34	3.33
65	MP1B	Z	-26.57	3.33
66	MP1B	Mx	.008	3.33
67	MP1C	X	-14.204	1.33
68	MP1C	Z	-24.602	1.33
69	MP1C	Mx	-.014	1.33
70	MP1C	X	-14.204	3.33
71	MP1C	Z	-24.602	3.33
72	MP1C	Mx	-.014	3.33
73	MP5A	X	-15.34	1.33
74	MP5A	Z	-26.57	1.33
75	MP5A	Mx	.008	1.33
76	MP5A	X	-15.34	3.33
77	MP5A	Z	-26.57	3.33
78	MP5A	Mx	.008	3.33
79	MP5B	X	-15.34	1.33
80	MP5B	Z	-26.57	1.33
81	MP5B	Mx	.008	1.33
82	MP5B	X	-15.34	3.33
83	MP5B	Z	-26.57	3.33
84	MP5B	Mx	.008	3.33
85	MP5C	X	-14.204	1.33
86	MP5C	Z	-24.602	1.33
87	MP5C	Mx	-.014	1.33
88	MP5C	X	-14.204	3.33
89	MP5C	Z	-24.602	3.33
90	MP5C	Mx	-.014	3.33
91	MP2A	X	-6.215	1.5
92	MP2A	Z	-10.766	1.5
93	MP2A	Mx	-.003	1.5
94	MP2B	X	-6.215	1.5
95	MP2B	Z	-10.766	1.5
96	MP2B	Mx	-.003	1.5
97	MP2C	X	-4.742	1.5
98	MP2C	Z	-8.214	1.5
99	MP2C	Mx	.005	1.5
100	MP3A	X	-6.123	.5
101	MP3A	Z	-10.606	.5
102	MP3A	Mx	-.003	.5
103	MP3B	X	-6.123	.5
104	MP3B	Z	-10.606	.5
105	MP3B	Mx	-.003	.5
106	MP3C	X	-4.385	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	-7.596	.5
108	MP3C	Mx	.004	.5
109	MP2B	X	-3.124	4
110	MP2B	Z	-5.411	4
111	MP2B	Mx	-.002	4
112	MP2C	X	-1.466	4
113	MP2C	Z	-2.539	4
114	MP2C	Mx	.001	4
115	MP2B	X	-3.124	4
116	MP2B	Z	-5.411	4
117	MP2B	Mx	.000781	4
118	MP2C	X	-1.466	4
119	MP2C	Z	-2.539	4
120	MP2C	Mx	-.000722	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.58
2	MP2A	Z	-5.113	1.58
3	MP2A	Mx	.004	1.58
4	MP2A	X	0	5.58
5	MP2A	Z	-5.113	5.58
6	MP2A	Mx	.004	5.58
7	MP2B	X	0	1.58
8	MP2B	Z	-4.148	1.58
9	MP2B	Mx	.000241	1.58
10	MP2B	X	0	5.58
11	MP2B	Z	-4.148	5.58
12	MP2B	Mx	.000241	5.58
13	MP2C	X	0	1.58
14	MP2C	Z	-3.977	1.58
15	MP2C	Mx	-.003	1.58
16	MP2C	X	0	5.58
17	MP2C	Z	-3.977	5.58
18	MP2C	Mx	-.003	5.58
19	MP2A	X	0	1.58
20	MP2A	Z	-5.113	1.58
21	MP2A	Mx	-.004	1.58
22	MP2A	X	0	5.58
23	MP2A	Z	-5.113	5.58
24	MP2A	Mx	-.004	5.58
25	MP2B	X	0	1.58
26	MP2B	Z	-4.148	1.58
27	MP2B	Mx	.003	1.58
28	MP2B	X	0	5.58
29	MP2B	Z	-4.148	5.58
30	MP2B	Mx	.003	5.58
31	MP2C	X	0	1.58
32	MP2C	Z	-3.977	1.58
33	MP2C	Mx	-.000848	1.58
34	MP2C	X	0	5.58
35	MP2C	Z	-3.977	5.58
36	MP2C	Mx	-.000848	5.58
37	MP4A	X	0	2
38	MP4A	Z	-4.237	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-4.237	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-2.154	2
45	MP4B	Mx	.000933	2
46	MP4B	X	0	4
47	MP4B	Z	-2.154	4
48	MP4B	Mx	.000933	4
49	MP4C	X	0	2
50	MP4C	Z	-1.784	2
51	MP4C	Mx	-.000838	2
52	MP4C	X	0	4
53	MP4C	Z	-1.784	4
54	MP4C	Mx	-.000838	4
55	MP1A	X	0	1.33
56	MP1A	Z	-10.376	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	-10.376	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	-9.545	1.33
63	MP1B	Mx	.004	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	-9.545	3.33
66	MP1B	Mx	.004	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	-9.398	1.33
69	MP1C	Mx	-.004	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	-9.398	3.33
72	MP1C	Mx	-.004	3.33
73	MP5A	X	0	1.33
74	MP5A	Z	-10.376	1.33
75	MP5A	Mx	0	1.33
76	MP5A	X	0	3.33
77	MP5A	Z	-10.376	3.33
78	MP5A	Mx	0	3.33
79	MP5B	X	0	1.33
80	MP5B	Z	-9.545	1.33
81	MP5B	Mx	.004	1.33
82	MP5B	X	0	3.33
83	MP5B	Z	-9.545	3.33
84	MP5B	Mx	.004	3.33
85	MP5C	X	0	1.33
86	MP5C	Z	-9.398	1.33
87	MP5C	Mx	-.004	1.33
88	MP5C	X	0	3.33
89	MP5C	Z	-9.398	3.33
90	MP5C	Mx	-.004	3.33
91	MP2A	X	0	1.5
92	MP2A	Z	-3.351	1.5
93	MP2A	Mx	0	1.5
94	MP2B	X	0	1.5
95	MP2B	Z	-2.524	1.5
96	MP2B	Mx	-.001	1.5
97	MP2C	X	0	1.5
98	MP2C	Z	-2.377	1.5
99	MP2C	Mx	.001	1.5
100	MP3A	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP3A	Z	-3.351	.5
102	MP3A	Mx	0	.5
103	MP3B	X	0	.5
104	MP3B	Z	-2.362	.5
105	MP3B	Mx	-.001	.5
106	MP3C	X	0	.5
107	MP3C	Z	-2.186	.5
108	MP3C	Mx	.001	.5
109	MP2B	X	0	4
110	MP2B	Z	-.991	4
111	MP2B	Mx	-.000429	4
112	MP2C	X	0	4
113	MP2C	Z	-.799	4
114	MP2C	Mx	.000375	4
115	MP2B	X	0	4
116	MP2B	Z	-.991	4
117	MP2B	Mx	.000215	4
118	MP2C	X	0	4
119	MP2C	Z	-.799	4
120	MP2C	Mx	-.000188	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.395	1.58
2	MP2A	Z	-4.149	1.58
3	MP2A	Mx	.002	1.58
4	MP2A	X	2.395	5.58
5	MP2A	Z	-4.149	5.58
6	MP2A	Mx	.002	5.58
7	MP2B	X	1.913	1.58
8	MP2B	Z	-3.314	1.58
9	MP2B	Mx	.002	1.58
10	MP2B	X	1.913	5.58
11	MP2B	Z	-3.314	5.58
12	MP2B	Mx	.002	5.58
13	MP2C	X	2.291	1.58
14	MP2C	Z	-3.967	1.58
15	MP2C	Mx	-.004	1.58
16	MP2C	X	2.291	5.58
17	MP2C	Z	-3.967	5.58
18	MP2C	Mx	-.004	5.58
19	MP2A	X	2.395	1.58
20	MP2A	Z	-4.149	1.58
21	MP2A	Mx	-.004	1.58
22	MP2A	X	2.395	5.58
23	MP2A	Z	-4.149	5.58
24	MP2A	Mx	-.004	5.58
25	MP2B	X	1.913	1.58
26	MP2B	Z	-3.314	1.58
27	MP2B	Mx	.002	1.58
28	MP2B	X	1.913	5.58
29	MP2B	Z	-3.314	5.58
30	MP2B	Mx	.002	5.58
31	MP2C	X	2.291	1.58
32	MP2C	Z	-3.967	1.58
33	MP2C	Mx	.001	1.58
34	MP2C	X	2.291	5.58
35	MP2C	Z	-3.967	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.001	5.58
37	MP4A	X	1.771	2
38	MP4A	Z	-3.068	2
39	MP4A	Mx	-.000886	2
40	MP4A	X	1.771	4
41	MP4A	Z	-3.068	4
42	MP4A	Mx	-.000886	4
43	MP4B	X	.73	2
44	MP4B	Z	-1.264	2
45	MP4B	Mx	.00073	2
46	MP4B	X	.73	4
47	MP4B	Z	-1.264	4
48	MP4B	Mx	.00073	4
49	MP4C	X	1.545	2
50	MP4C	Z	-2.675	2
51	MP4C	Mx	-.000993	2
52	MP4C	X	1.545	4
53	MP4C	Z	-2.675	4
54	MP4C	Mx	-.000993	4
55	MP1A	X	5.05	1.33
56	MP1A	Z	-8.746	1.33
57	MP1A	Mx	-.003	1.33
58	MP1A	X	5.05	3.33
59	MP1A	Z	-8.746	3.33
60	MP1A	Mx	-.003	3.33
61	MP1B	X	4.634	1.33
62	MP1B	Z	-8.027	1.33
63	MP1B	Mx	.005	1.33
64	MP1B	X	4.634	3.33
65	MP1B	Z	-8.027	3.33
66	MP1B	Mx	.005	3.33
67	MP1C	X	4.959	1.33
68	MP1C	Z	-8.59	1.33
69	MP1C	Mx	-.003	1.33
70	MP1C	X	4.959	3.33
71	MP1C	Z	-8.59	3.33
72	MP1C	Mx	-.003	3.33
73	MP5A	X	5.05	1.33
74	MP5A	Z	-8.746	1.33
75	MP5A	Mx	-.003	1.33
76	MP5A	X	5.05	3.33
77	MP5A	Z	-8.746	3.33
78	MP5A	Mx	-.003	3.33
79	MP5B	X	4.634	1.33
80	MP5B	Z	-8.027	1.33
81	MP5B	Mx	.005	1.33
82	MP5B	X	4.634	3.33
83	MP5B	Z	-8.027	3.33
84	MP5B	Mx	.005	3.33
85	MP5C	X	4.959	1.33
86	MP5C	Z	-8.59	1.33
87	MP5C	Mx	-.003	1.33
88	MP5C	X	4.959	3.33
89	MP5C	Z	-8.59	3.33
90	MP5C	Mx	-.003	3.33
91	MP2A	X	1.538	1.5
92	MP2A	Z	-2.663	1.5
93	MP2A	Mx	.000769	1.5
94	MP2B	X	1.124	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	-1.947	1.5
96	MP2B	Mx	-.001	1.5
97	MP2C	X	1.448	1.5
98	MP2C	Z	-2.507	1.5
99	MP2C	Mx	.00093	1.5
100	MP3A	X	1.511	.5
101	MP3A	Z	-2.616	.5
102	MP3A	Mx	.000755	.5
103	MP3B	X	1.016	.5
104	MP3B	Z	-1.76	.5
105	MP3B	Mx	-.001	.5
106	MP3C	X	1.403	.5
107	MP3C	Z	-2.43	.5
108	MP3C	Mx	.000902	.5
109	MP2B	X	.315	4
110	MP2B	Z	-.545	4
111	MP2B	Mx	-.000315	4
112	MP2C	X	.739	4
113	MP2C	Z	-1.28	4
114	MP2C	Mx	.000475	4
115	MP2B	X	.315	4
116	MP2B	Z	-.545	4
117	MP2B	Mx	.000157	4
118	MP2C	X	.739	4
119	MP2C	Z	-1.28	4
120	MP2C	Mx	-.000238	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.592	1.58
2	MP2A	Z	-2.074	1.58
3	MP2A	Mx	-.000241	1.58
4	MP2A	X	3.592	5.58
5	MP2A	Z	-2.074	5.58
6	MP2A	Mx	-.000241	5.58
7	MP2B	X	3.592	1.58
8	MP2B	Z	-2.074	1.58
9	MP2B	Mx	.003	1.58
10	MP2B	X	3.592	5.58
11	MP2B	Z	-2.074	5.58
12	MP2B	Mx	.003	5.58
13	MP2C	X	4.394	1.58
14	MP2C	Z	-2.537	1.58
15	MP2C	Mx	-.004	1.58
16	MP2C	X	4.394	5.58
17	MP2C	Z	-2.537	5.58
18	MP2C	Mx	-.004	5.58
19	MP2A	X	3.592	1.58
20	MP2A	Z	-2.074	1.58
21	MP2A	Mx	-.003	1.58
22	MP2A	X	3.592	5.58
23	MP2A	Z	-2.074	5.58
24	MP2A	Mx	-.003	5.58
25	MP2B	X	3.592	1.58
26	MP2B	Z	-2.074	1.58
27	MP2B	Mx	.000241	1.58
28	MP2B	X	3.592	5.58
29	MP2B	Z	-2.074	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	.000241	5.58
31	MP2C	X	4.394	1.58
32	MP2C	Z	-2.537	1.58
33	MP2C	Mx	.003	1.58
34	MP2C	X	4.394	5.58
35	MP2C	Z	-2.537	5.58
36	MP2C	Mx	.003	5.58
37	MP4A	X	1.865	2
38	MP4A	Z	-1.077	2
39	MP4A	Mx	-.000932	2
40	MP4A	X	1.865	4
41	MP4A	Z	-1.077	4
42	MP4A	Mx	-.000932	4
43	MP4B	X	1.865	2
44	MP4B	Z	-1.077	2
45	MP4B	Mx	.000933	2
46	MP4B	X	1.865	4
47	MP4B	Z	-1.077	4
48	MP4B	Mx	.000933	4
49	MP4C	X	3.597	2
50	MP4C	Z	-2.077	2
51	MP4C	Mx	-.000361	2
52	MP4C	X	3.597	4
53	MP4C	Z	-2.077	4
54	MP4C	Mx	-.000361	4
55	MP1A	X	8.266	1.33
56	MP1A	Z	-4.773	1.33
57	MP1A	Mx	-.004	1.33
58	MP1A	X	8.266	3.33
59	MP1A	Z	-4.773	3.33
60	MP1A	Mx	-.004	3.33
61	MP1B	X	8.266	1.33
62	MP1B	Z	-4.773	1.33
63	MP1B	Mx	.004	1.33
64	MP1B	X	8.266	3.33
65	MP1B	Z	-4.773	3.33
66	MP1B	Mx	.004	3.33
67	MP1C	X	8.957	1.33
68	MP1C	Z	-5.171	1.33
69	MP1C	Mx	-.000898	1.33
70	MP1C	X	8.957	3.33
71	MP1C	Z	-5.171	3.33
72	MP1C	Mx	-.000898	3.33
73	MP5A	X	8.266	1.33
74	MP5A	Z	-4.773	1.33
75	MP5A	Mx	-.004	1.33
76	MP5A	X	8.266	3.33
77	MP5A	Z	-4.773	3.33
78	MP5A	Mx	-.004	3.33
79	MP5B	X	8.266	1.33
80	MP5B	Z	-4.773	1.33
81	MP5B	Mx	.004	1.33
82	MP5B	X	8.266	3.33
83	MP5B	Z	-4.773	3.33
84	MP5B	Mx	.004	3.33
85	MP5C	X	8.957	1.33
86	MP5C	Z	-5.171	1.33
87	MP5C	Mx	-.000898	1.33
88	MP5C	X	8.957	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP5C	Z	-5.171	3.33
90	MP5C	Mx	-.000898	3.33
91	MP2A	X	2.186	1.5
92	MP2A	Z	-1.262	1.5
93	MP2A	Mx	.001	1.5
94	MP2B	X	2.186	1.5
95	MP2B	Z	-1.262	1.5
96	MP2B	Mx	-.001	1.5
97	MP2C	X	2.873	1.5
98	MP2C	Z	-1.659	1.5
99	MP2C	Mx	.000288	1.5
100	MP3A	X	2.045	.5
101	MP3A	Z	-1.181	.5
102	MP3A	Mx	.001	.5
103	MP3B	X	2.045	.5
104	MP3B	Z	-1.181	.5
105	MP3B	Mx	-.001	.5
106	MP3C	X	2.867	.5
107	MP3C	Z	-1.655	.5
108	MP3C	Mx	.000287	.5
109	MP2B	X	.858	4
110	MP2B	Z	-.495	4
111	MP2B	Mx	-.000429	4
112	MP2C	X	1.759	4
113	MP2C	Z	-1.016	4
114	MP2C	Mx	.000177	4
115	MP2B	X	.858	4
116	MP2B	Z	-.495	4
117	MP2B	Mx	.000214	4
118	MP2C	X	1.759	4
119	MP2C	Z	-1.016	4
120	MP2C	Mx	-8.8e-5	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.826	1.58
2	MP2A	Z	0	1.58
3	MP2A	Mx	-.002	1.58
4	MP2A	X	3.826	5.58
5	MP2A	Z	0	5.58
6	MP2A	Mx	-.002	5.58
7	MP2B	X	4.791	1.58
8	MP2B	Z	0	1.58
9	MP2B	Mx	.004	1.58
10	MP2B	X	4.791	5.58
11	MP2B	Z	0	5.58
12	MP2B	Mx	.004	5.58
13	MP2C	X	4.962	1.58
14	MP2C	Z	0	1.58
15	MP2C	Mx	-.003	1.58
16	MP2C	X	4.962	5.58
17	MP2C	Z	0	5.58
18	MP2C	Mx	-.003	5.58
19	MP2A	X	3.826	1.58
20	MP2A	Z	0	1.58
21	MP2A	Mx	-.002	1.58
22	MP2A	X	3.826	5.58
23	MP2A	Z	0	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.002	5.58
25	MP2B	X	4.791	1.58
26	MP2B	Z	0	1.58
27	MP2B	Mx	-.002	1.58
28	MP2B	X	4.791	5.58
29	MP2B	Z	0	5.58
30	MP2B	Mx	-.002	5.58
31	MP2C	X	4.962	1.58
32	MP2C	Z	0	1.58
33	MP2C	Mx	.004	1.58
34	MP2C	X	4.962	5.58
35	MP2C	Z	0	5.58
36	MP2C	Mx	.004	5.58
37	MP4A	X	1.459	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.00073	2
40	MP4A	X	1.459	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.00073	4
43	MP4B	X	3.543	2
44	MP4B	Z	0	2
45	MP4B	Mx	.000886	2
46	MP4B	X	3.543	4
47	MP4B	Z	0	4
48	MP4B	Mx	.000886	4
49	MP4C	X	3.912	2
50	MP4C	Z	0	2
51	MP4C	Mx	.000669	2
52	MP4C	X	3.912	4
53	MP4C	Z	0	4
54	MP4C	Mx	.000669	4
55	MP1A	X	9.268	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	-.005	1.33
58	MP1A	X	9.268	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	-.005	3.33
61	MP1B	X	10.099	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	.003	1.33
64	MP1B	X	10.099	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	.003	3.33
67	MP1C	X	10.247	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	.002	1.33
70	MP1C	X	10.247	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	.002	3.33
73	MP5A	X	9.268	1.33
74	MP5A	Z	0	1.33
75	MP5A	Mx	-.005	1.33
76	MP5A	X	9.268	3.33
77	MP5A	Z	0	3.33
78	MP5A	Mx	-.005	3.33
79	MP5B	X	10.099	1.33
80	MP5B	Z	0	1.33
81	MP5B	Mx	.003	1.33
82	MP5B	X	10.099	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP5B	Z	0	3.33
84	MP5B	Mx	.003	3.33
85	MP5C	X	10.247	1.33
86	MP5C	Z	0	1.33
87	MP5C	Mx	.002	1.33
88	MP5C	X	10.247	3.33
89	MP5C	Z	0	3.33
90	MP5C	Mx	.002	3.33
91	MP2A	X	2.248	1.5
92	MP2A	Z	0	1.5
93	MP2A	Mx	.001	1.5
94	MP2B	X	3.075	1.5
95	MP2B	Z	0	1.5
96	MP2B	Mx	-.000769	1.5
97	MP2C	X	3.222	1.5
98	MP2C	Z	0	1.5
99	MP2C	Mx	-.000551	1.5
100	MP3A	X	2.032	.5
101	MP3A	Z	0	.5
102	MP3A	Mx	.001	.5
103	MP3B	X	3.021	.5
104	MP3B	Z	0	.5
105	MP3B	Mx	-.000755	.5
106	MP3C	X	3.196	.5
107	MP3C	Z	0	.5
108	MP3C	Mx	-.000547	.5
109	MP2B	X	1.714	4
110	MP2B	Z	0	4
111	MP2B	Mx	-.000428	4
112	MP2C	X	1.906	4
113	MP2C	Z	0	4
114	MP2C	Mx	-.000326	4
115	MP2B	X	1.714	4
116	MP2B	Z	0	4
117	MP2B	Mx	.000214	4
118	MP2C	X	1.906	4
119	MP2C	Z	0	4
120	MP2C	Mx	.000163	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.592	1.58
2	MP2A	Z	2.074	1.58
3	MP2A	Mx	-.003	1.58
4	MP2A	X	3.592	5.58
5	MP2A	Z	2.074	5.58
6	MP2A	Mx	-.003	5.58
7	MP2B	X	4.428	1.58
8	MP2B	Z	2.556	1.58
9	MP2B	Mx	.004	1.58
10	MP2B	X	4.428	5.58
11	MP2B	Z	2.556	5.58
12	MP2B	Mx	.004	5.58
13	MP2C	X	3.774	1.58
14	MP2C	Z	2.179	1.58
15	MP2C	Mx	-.000432	1.58
16	MP2C	X	3.774	5.58
17	MP2C	Z	2.179	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.000432	5.58
19	MP2A	X	3.592	1.58
20	MP2A	Z	2.074	1.58
21	MP2A	Mx	-.000241	1.58
22	MP2A	X	3.592	5.58
23	MP2A	Z	2.074	5.58
24	MP2A	Mx	-.000241	5.58
25	MP2B	X	4.428	1.58
26	MP2B	Z	2.556	1.58
27	MP2B	Mx	-.004	1.58
28	MP2B	X	4.428	5.58
29	MP2B	Z	2.556	5.58
30	MP2B	Mx	-.004	5.58
31	MP2C	X	3.774	1.58
32	MP2C	Z	2.179	1.58
33	MP2C	Mx	.004	1.58
34	MP2C	X	3.774	5.58
35	MP2C	Z	2.179	5.58
36	MP2C	Mx	.004	5.58
37	MP4A	X	1.865	2
38	MP4A	Z	1.077	2
39	MP4A	Mx	-.000932	2
40	MP4A	X	1.865	4
41	MP4A	Z	1.077	4
42	MP4A	Mx	-.000932	4
43	MP4B	X	3.669	2
44	MP4B	Z	2.119	2
45	MP4B	Mx	0	2
46	MP4B	X	3.669	4
47	MP4B	Z	2.119	4
48	MP4B	Mx	0	4
49	MP4C	X	2.258	2
50	MP4C	Z	1.303	2
51	MP4C	Mx	.000998	2
52	MP4C	X	2.258	4
53	MP4C	Z	1.303	4
54	MP4C	Mx	.000998	4
55	MP1A	X	8.266	1.33
56	MP1A	Z	4.773	1.33
57	MP1A	Mx	-.004	1.33
58	MP1A	X	8.266	3.33
59	MP1A	Z	4.773	3.33
60	MP1A	Mx	-.004	3.33
61	MP1B	X	8.986	1.33
62	MP1B	Z	5.188	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	8.986	3.33
65	MP1B	Z	5.188	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	8.423	1.33
68	MP1C	Z	4.863	1.33
69	MP1C	Mx	.004	1.33
70	MP1C	X	8.423	3.33
71	MP1C	Z	4.863	3.33
72	MP1C	Mx	.004	3.33
73	MP5A	X	8.266	1.33
74	MP5A	Z	4.773	1.33
75	MP5A	Mx	-.004	1.33
76	MP5A	X	8.266	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP5A	Z	4.773	3.33
78	MP5A	Mx	-.004	3.33
79	MP5B	X	8.986	1.33
80	MP5B	Z	5.188	1.33
81	MP5B	Mx	0	1.33
82	MP5B	X	8.986	3.33
83	MP5B	Z	5.188	3.33
84	MP5B	Mx	0	3.33
85	MP5C	X	8.423	1.33
86	MP5C	Z	4.863	1.33
87	MP5C	Mx	.004	1.33
88	MP5C	X	8.423	3.33
89	MP5C	Z	4.863	3.33
90	MP5C	Mx	.004	3.33
91	MP2A	X	2.186	1.5
92	MP2A	Z	1.262	1.5
93	MP2A	Mx	.001	1.5
94	MP2B	X	2.902	1.5
95	MP2B	Z	1.675	1.5
96	MP2B	Mx	0	1.5
97	MP2C	X	2.342	1.5
98	MP2C	Z	1.352	1.5
99	MP2C	Mx	-.001	1.5
100	MP3A	X	2.045	.5
101	MP3A	Z	1.181	.5
102	MP3A	Mx	.001	.5
103	MP3B	X	2.902	.5
104	MP3B	Z	1.675	.5
105	MP3B	Mx	0	.5
106	MP3C	X	2.232	.5
107	MP3C	Z	1.288	.5
108	MP3C	Mx	-.000987	.5
109	MP2B	X	1.797	4
110	MP2B	Z	1.038	4
111	MP2B	Mx	0	4
112	MP2C	X	1.062	4
113	MP2C	Z	.613	4
114	MP2C	Mx	-.00047	4
115	MP2B	X	1.797	4
116	MP2B	Z	1.038	4
117	MP2B	Mx	0	4
118	MP2C	X	1.062	4
119	MP2C	Z	.613	4
120	MP2C	Mx	.000235	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.395	1.58
2	MP2A	Z	4.149	1.58
3	MP2A	Mx	-.004	1.58
4	MP2A	X	2.395	5.58
5	MP2A	Z	4.149	5.58
6	MP2A	Mx	-.004	5.58
7	MP2B	X	2.395	1.58
8	MP2B	Z	4.149	1.58
9	MP2B	Mx	.002	1.58
10	MP2B	X	2.395	5.58
11	MP2B	Z	4.149	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	.002	5.58
13	MP2C	X	1.933	1.58
14	MP2C	Z	3.347	1.58
15	MP2C	Mx	.001	1.58
16	MP2C	X	1.933	5.58
17	MP2C	Z	3.347	5.58
18	MP2C	Mx	.001	5.58
19	MP2A	X	2.395	1.58
20	MP2A	Z	4.149	1.58
21	MP2A	Mx	.002	1.58
22	MP2A	X	2.395	5.58
23	MP2A	Z	4.149	5.58
24	MP2A	Mx	.002	5.58
25	MP2B	X	2.395	1.58
26	MP2B	Z	4.149	1.58
27	MP2B	Mx	-.004	1.58
28	MP2B	X	2.395	5.58
29	MP2B	Z	4.149	5.58
30	MP2B	Mx	-.004	5.58
31	MP2C	X	1.933	1.58
32	MP2C	Z	3.347	1.58
33	MP2C	Mx	.002	1.58
34	MP2C	X	1.933	5.58
35	MP2C	Z	3.347	5.58
36	MP2C	Mx	.002	5.58
37	MP4A	X	1.771	2
38	MP4A	Z	3.068	2
39	MP4A	Mx	-.000886	2
40	MP4A	X	1.771	4
41	MP4A	Z	3.068	4
42	MP4A	Mx	-.000886	4
43	MP4B	X	1.771	2
44	MP4B	Z	3.068	2
45	MP4B	Mx	-.000886	2
46	MP4B	X	1.771	4
47	MP4B	Z	3.068	4
48	MP4B	Mx	-.000886	4
49	MP4C	X	.771	2
50	MP4C	Z	1.336	2
51	MP4C	Mx	.00076	2
52	MP4C	X	.771	4
53	MP4C	Z	1.336	4
54	MP4C	Mx	.00076	4
55	MP1A	X	5.05	1.33
56	MP1A	Z	8.746	1.33
57	MP1A	Mx	-.003	1.33
58	MP1A	X	5.05	3.33
59	MP1A	Z	8.746	3.33
60	MP1A	Mx	-.003	3.33
61	MP1B	X	5.05	1.33
62	MP1B	Z	8.746	1.33
63	MP1B	Mx	-.003	1.33
64	MP1B	X	5.05	3.33
65	MP1B	Z	8.746	3.33
66	MP1B	Mx	-.003	3.33
67	MP1C	X	4.651	1.33
68	MP1C	Z	8.055	1.33
69	MP1C	Mx	.005	1.33
70	MP1C	X	4.651	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP1C	Z	8.055	3.33
72	MP1C	Mx	.005	3.33
73	MP5A	X	5.05	1.33
74	MP5A	Z	8.746	1.33
75	MP5A	Mx	-.003	1.33
76	MP5A	X	5.05	3.33
77	MP5A	Z	8.746	3.33
78	MP5A	Mx	-.003	3.33
79	MP5B	X	5.05	1.33
80	MP5B	Z	8.746	1.33
81	MP5B	Mx	-.003	1.33
82	MP5B	X	5.05	3.33
83	MP5B	Z	8.746	3.33
84	MP5B	Mx	-.003	3.33
85	MP5C	X	4.651	1.33
86	MP5C	Z	8.055	1.33
87	MP5C	Mx	.005	1.33
88	MP5C	X	4.651	3.33
89	MP5C	Z	8.055	3.33
90	MP5C	Mx	.005	3.33
91	MP2A	X	1.538	1.5
92	MP2A	Z	2.663	1.5
93	MP2A	Mx	.000769	1.5
94	MP2B	X	1.538	1.5
95	MP2B	Z	2.663	1.5
96	MP2B	Mx	.000769	1.5
97	MP2C	X	1.141	1.5
98	MP2C	Z	1.976	1.5
99	MP2C	Mx	-.001	1.5
100	MP3A	X	1.511	.5
101	MP3A	Z	2.616	.5
102	MP3A	Mx	.000755	.5
103	MP3B	X	1.511	.5
104	MP3B	Z	2.616	.5
105	MP3B	Mx	.000755	.5
106	MP3C	X	1.036	.5
107	MP3C	Z	1.794	.5
108	MP3C	Mx	-.001	.5
109	MP2B	X	.857	4
110	MP2B	Z	1.484	4
111	MP2B	Mx	.000428	4
112	MP2C	X	.337	4
113	MP2C	Z	.583	4
114	MP2C	Mx	-.000332	4
115	MP2B	X	.857	4
116	MP2B	Z	1.484	4
117	MP2B	Mx	-.000214	4
118	MP2C	X	.337	4
119	MP2C	Z	.583	4
120	MP2C	Mx	.000166	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.58
2	MP2A	Z	5.113	1.58
3	MP2A	Mx	-.004	1.58
4	MP2A	X	0	5.58
5	MP2A	Z	5.113	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.004	5.58
7	MP2B	X	0	1.58
8	MP2B	Z	4.148	1.58
9	MP2B	Mx	-.000241	1.58
10	MP2B	X	0	5.58
11	MP2B	Z	4.148	5.58
12	MP2B	Mx	-.000241	5.58
13	MP2C	X	0	1.58
14	MP2C	Z	3.977	1.58
15	MP2C	Mx	.003	1.58
16	MP2C	X	0	5.58
17	MP2C	Z	3.977	5.58
18	MP2C	Mx	.003	5.58
19	MP2A	X	0	1.58
20	MP2A	Z	5.113	1.58
21	MP2A	Mx	.004	1.58
22	MP2A	X	0	5.58
23	MP2A	Z	5.113	5.58
24	MP2A	Mx	.004	5.58
25	MP2B	X	0	1.58
26	MP2B	Z	4.148	1.58
27	MP2B	Mx	-.003	1.58
28	MP2B	X	0	5.58
29	MP2B	Z	4.148	5.58
30	MP2B	Mx	-.003	5.58
31	MP2C	X	0	1.58
32	MP2C	Z	3.977	1.58
33	MP2C	Mx	.000848	1.58
34	MP2C	X	0	5.58
35	MP2C	Z	3.977	5.58
36	MP2C	Mx	.000848	5.58
37	MP4A	X	0	2
38	MP4A	Z	4.237	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	4.237	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	2.154	2
45	MP4B	Mx	-.000933	2
46	MP4B	X	0	4
47	MP4B	Z	2.154	4
48	MP4B	Mx	-.000933	4
49	MP4C	X	0	2
50	MP4C	Z	1.784	2
51	MP4C	Mx	.000838	2
52	MP4C	X	0	4
53	MP4C	Z	1.784	4
54	MP4C	Mx	.000838	4
55	MP1A	X	0	1.33
56	MP1A	Z	10.376	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	10.376	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	9.545	1.33
63	MP1B	Mx	-.004	1.33
64	MP1B	X	0	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP1B	Z	9.545	3.33
66	MP1B	Mx	-.004	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	9.398	1.33
69	MP1C	Mx	.004	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	9.398	3.33
72	MP1C	Mx	.004	3.33
73	MP5A	X	0	1.33
74	MP5A	Z	10.376	1.33
75	MP5A	Mx	0	1.33
76	MP5A	X	0	3.33
77	MP5A	Z	10.376	3.33
78	MP5A	Mx	0	3.33
79	MP5B	X	0	1.33
80	MP5B	Z	9.545	1.33
81	MP5B	Mx	-.004	1.33
82	MP5B	X	0	3.33
83	MP5B	Z	9.545	3.33
84	MP5B	Mx	-.004	3.33
85	MP5C	X	0	1.33
86	MP5C	Z	9.398	1.33
87	MP5C	Mx	.004	1.33
88	MP5C	X	0	3.33
89	MP5C	Z	9.398	3.33
90	MP5C	Mx	.004	3.33
91	MP2A	X	0	1.5
92	MP2A	Z	3.351	1.5
93	MP2A	Mx	0	1.5
94	MP2B	X	0	1.5
95	MP2B	Z	2.524	1.5
96	MP2B	Mx	.001	1.5
97	MP2C	X	0	1.5
98	MP2C	Z	2.377	1.5
99	MP2C	Mx	-.001	1.5
100	MP3A	X	0	.5
101	MP3A	Z	3.351	.5
102	MP3A	Mx	0	.5
103	MP3B	X	0	.5
104	MP3B	Z	2.362	.5
105	MP3B	Mx	.001	.5
106	MP3C	X	0	.5
107	MP3C	Z	2.186	.5
108	MP3C	Mx	-.001	.5
109	MP2B	X	0	4
110	MP2B	Z	.991	4
111	MP2B	Mx	.000429	4
112	MP2C	X	0	4
113	MP2C	Z	.799	4
114	MP2C	Mx	-.000375	4
115	MP2B	X	0	4
116	MP2B	Z	.991	4
117	MP2B	Mx	-.000215	4
118	MP2C	X	0	4
119	MP2C	Z	.799	4
120	MP2C	Mx	.000188	4

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.395	1.58
2	MP2A	Z	4.149	1.58
3	MP2A	Mx	-.002	1.58
4	MP2A	X	-2.395	5.58
5	MP2A	Z	4.149	5.58
6	MP2A	Mx	-.002	5.58
7	MP2B	X	-1.913	1.58
8	MP2B	Z	3.314	1.58
9	MP2B	Mx	-.002	1.58
10	MP2B	X	-1.913	5.58
11	MP2B	Z	3.314	5.58
12	MP2B	Mx	-.002	5.58
13	MP2C	X	-2.291	1.58
14	MP2C	Z	3.967	1.58
15	MP2C	Mx	.004	1.58
16	MP2C	X	-2.291	5.58
17	MP2C	Z	3.967	5.58
18	MP2C	Mx	.004	5.58
19	MP2A	X	-2.395	1.58
20	MP2A	Z	4.149	1.58
21	MP2A	Mx	.004	1.58
22	MP2A	X	-2.395	5.58
23	MP2A	Z	4.149	5.58
24	MP2A	Mx	.004	5.58
25	MP2B	X	-1.913	1.58
26	MP2B	Z	3.314	1.58
27	MP2B	Mx	-.002	1.58
28	MP2B	X	-1.913	5.58
29	MP2B	Z	3.314	5.58
30	MP2B	Mx	-.002	5.58
31	MP2C	X	-2.291	1.58
32	MP2C	Z	3.967	1.58
33	MP2C	Mx	-.001	1.58
34	MP2C	X	-2.291	5.58
35	MP2C	Z	3.967	5.58
36	MP2C	Mx	-.001	5.58
37	MP4A	X	-1.771	2
38	MP4A	Z	3.068	2
39	MP4A	Mx	.000886	2
40	MP4A	X	-1.771	4
41	MP4A	Z	3.068	4
42	MP4A	Mx	.000886	4
43	MP4B	X	-.73	2
44	MP4B	Z	1.264	2
45	MP4B	Mx	-.00073	2
46	MP4B	X	-.73	4
47	MP4B	Z	1.264	4
48	MP4B	Mx	-.00073	4
49	MP4C	X	-1.545	2
50	MP4C	Z	2.675	2
51	MP4C	Mx	.000993	2
52	MP4C	X	-1.545	4
53	MP4C	Z	2.675	4
54	MP4C	Mx	.000993	4
55	MP1A	X	-5.05	1.33
56	MP1A	Z	8.746	1.33
57	MP1A	Mx	.003	1.33
58	MP1A	X	-5.05	3.33
59	MP1A	Z	8.746	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.003	3.33
61	MP1B	X	-4.634	1.33
62	MP1B	Z	8.027	1.33
63	MP1B	Mx	-.005	1.33
64	MP1B	X	-4.634	3.33
65	MP1B	Z	8.027	3.33
66	MP1B	Mx	-.005	3.33
67	MP1C	X	-4.959	1.33
68	MP1C	Z	8.59	1.33
69	MP1C	Mx	.003	1.33
70	MP1C	X	-4.959	3.33
71	MP1C	Z	8.59	3.33
72	MP1C	Mx	.003	3.33
73	MP5A	X	-5.05	1.33
74	MP5A	Z	8.746	1.33
75	MP5A	Mx	.003	1.33
76	MP5A	X	-5.05	3.33
77	MP5A	Z	8.746	3.33
78	MP5A	Mx	.003	3.33
79	MP5B	X	-4.634	1.33
80	MP5B	Z	8.027	1.33
81	MP5B	Mx	-.005	1.33
82	MP5B	X	-4.634	3.33
83	MP5B	Z	8.027	3.33
84	MP5B	Mx	-.005	3.33
85	MP5C	X	-4.959	1.33
86	MP5C	Z	8.59	1.33
87	MP5C	Mx	.003	1.33
88	MP5C	X	-4.959	3.33
89	MP5C	Z	8.59	3.33
90	MP5C	Mx	.003	3.33
91	MP2A	X	-1.538	1.5
92	MP2A	Z	2.663	1.5
93	MP2A	Mx	-.000769	1.5
94	MP2B	X	-1.124	1.5
95	MP2B	Z	1.947	1.5
96	MP2B	Mx	.001	1.5
97	MP2C	X	-1.448	1.5
98	MP2C	Z	2.507	1.5
99	MP2C	Mx	-.00093	1.5
100	MP3A	X	-1.511	.5
101	MP3A	Z	2.616	.5
102	MP3A	Mx	-.000755	.5
103	MP3B	X	-1.016	.5
104	MP3B	Z	1.76	.5
105	MP3B	Mx	.001	.5
106	MP3C	X	-1.403	.5
107	MP3C	Z	2.43	.5
108	MP3C	Mx	-.000902	.5
109	MP2B	X	-.315	4
110	MP2B	Z	.545	4
111	MP2B	Mx	.000315	4
112	MP2C	X	-.739	4
113	MP2C	Z	1.28	4
114	MP2C	Mx	-.000475	4
115	MP2B	X	-.315	4
116	MP2B	Z	.545	4
117	MP2B	Mx	-.000157	4
118	MP2C	X	-.739	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP2C	Z	1.28	4
120	MP2C	Mx	.000238	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.592	1.58
2	MP2A	Z	2.074	1.58
3	MP2A	Mx	.000241	1.58
4	MP2A	X	-3.592	5.58
5	MP2A	Z	2.074	5.58
6	MP2A	Mx	.000241	5.58
7	MP2B	X	-3.592	1.58
8	MP2B	Z	2.074	1.58
9	MP2B	Mx	-.003	1.58
10	MP2B	X	-3.592	5.58
11	MP2B	Z	2.074	5.58
12	MP2B	Mx	-.003	5.58
13	MP2C	X	-4.394	1.58
14	MP2C	Z	2.537	1.58
15	MP2C	Mx	.004	1.58
16	MP2C	X	-4.394	5.58
17	MP2C	Z	2.537	5.58
18	MP2C	Mx	.004	5.58
19	MP2A	X	-3.592	1.58
20	MP2A	Z	2.074	1.58
21	MP2A	Mx	.003	1.58
22	MP2A	X	-3.592	5.58
23	MP2A	Z	2.074	5.58
24	MP2A	Mx	.003	5.58
25	MP2B	X	-3.592	1.58
26	MP2B	Z	2.074	1.58
27	MP2B	Mx	-.000241	1.58
28	MP2B	X	-3.592	5.58
29	MP2B	Z	2.074	5.58
30	MP2B	Mx	-.000241	5.58
31	MP2C	X	-4.394	1.58
32	MP2C	Z	2.537	1.58
33	MP2C	Mx	-.003	1.58
34	MP2C	X	-4.394	5.58
35	MP2C	Z	2.537	5.58
36	MP2C	Mx	-.003	5.58
37	MP4A	X	-1.865	2
38	MP4A	Z	1.077	2
39	MP4A	Mx	.000932	2
40	MP4A	X	-1.865	4
41	MP4A	Z	1.077	4
42	MP4A	Mx	.000932	4
43	MP4B	X	-1.865	2
44	MP4B	Z	1.077	2
45	MP4B	Mx	-.000933	2
46	MP4B	X	-1.865	4
47	MP4B	Z	1.077	4
48	MP4B	Mx	-.000933	4
49	MP4C	X	-3.597	2
50	MP4C	Z	2.077	2
51	MP4C	Mx	.000361	2
52	MP4C	X	-3.597	4
53	MP4C	Z	2.077	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP4C	Mx	.000361	4
55	MP1A	X	-8.266	1.33
56	MP1A	Z	4.773	1.33
57	MP1A	Mx	.004	1.33
58	MP1A	X	-8.266	3.33
59	MP1A	Z	4.773	3.33
60	MP1A	Mx	.004	3.33
61	MP1B	X	-8.266	1.33
62	MP1B	Z	4.773	1.33
63	MP1B	Mx	-.004	1.33
64	MP1B	X	-8.266	3.33
65	MP1B	Z	4.773	3.33
66	MP1B	Mx	-.004	3.33
67	MP1C	X	-8.957	1.33
68	MP1C	Z	5.171	1.33
69	MP1C	Mx	.000898	1.33
70	MP1C	X	-8.957	3.33
71	MP1C	Z	5.171	3.33
72	MP1C	Mx	.000898	3.33
73	MP5A	X	-8.266	1.33
74	MP5A	Z	4.773	1.33
75	MP5A	Mx	.004	1.33
76	MP5A	X	-8.266	3.33
77	MP5A	Z	4.773	3.33
78	MP5A	Mx	.004	3.33
79	MP5B	X	-8.266	1.33
80	MP5B	Z	4.773	1.33
81	MP5B	Mx	-.004	1.33
82	MP5B	X	-8.266	3.33
83	MP5B	Z	4.773	3.33
84	MP5B	Mx	-.004	3.33
85	MP5C	X	-8.957	1.33
86	MP5C	Z	5.171	1.33
87	MP5C	Mx	.000898	1.33
88	MP5C	X	-8.957	3.33
89	MP5C	Z	5.171	3.33
90	MP5C	Mx	.000898	3.33
91	MP2A	X	-2.186	1.5
92	MP2A	Z	1.262	1.5
93	MP2A	Mx	-.001	1.5
94	MP2B	X	-2.186	1.5
95	MP2B	Z	1.262	1.5
96	MP2B	Mx	.001	1.5
97	MP2C	X	-2.873	1.5
98	MP2C	Z	1.659	1.5
99	MP2C	Mx	-.000288	1.5
100	MP3A	X	-2.045	.5
101	MP3A	Z	1.181	.5
102	MP3A	Mx	-.001	.5
103	MP3B	X	-2.045	.5
104	MP3B	Z	1.181	.5
105	MP3B	Mx	.001	.5
106	MP3C	X	-2.867	.5
107	MP3C	Z	1.655	.5
108	MP3C	Mx	-.000287	.5
109	MP2B	X	-.858	4
110	MP2B	Z	.495	4
111	MP2B	Mx	.000429	4
112	MP2C	X	-1.759	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
113	MP2C	Z	1.016	4
114	MP2C	Mx	-.000177	4
115	MP2B	X	-.858	4
116	MP2B	Z	.495	4
117	MP2B	Mx	-.000214	4
118	MP2C	X	-1.759	4
119	MP2C	Z	1.016	4
120	MP2C	Mx	8.8e-5	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.826	1.58
2	MP2A	Z	0	1.58
3	MP2A	Mx	.002	1.58
4	MP2A	X	-3.826	5.58
5	MP2A	Z	0	5.58
6	MP2A	Mx	.002	5.58
7	MP2B	X	-4.791	1.58
8	MP2B	Z	0	1.58
9	MP2B	Mx	-.004	1.58
10	MP2B	X	-4.791	5.58
11	MP2B	Z	0	5.58
12	MP2B	Mx	-.004	5.58
13	MP2C	X	-4.962	1.58
14	MP2C	Z	0	1.58
15	MP2C	Mx	.003	1.58
16	MP2C	X	-4.962	5.58
17	MP2C	Z	0	5.58
18	MP2C	Mx	.003	5.58
19	MP2A	X	-3.826	1.58
20	MP2A	Z	0	1.58
21	MP2A	Mx	.002	1.58
22	MP2A	X	-3.826	5.58
23	MP2A	Z	0	5.58
24	MP2A	Mx	.002	5.58
25	MP2B	X	-4.791	1.58
26	MP2B	Z	0	1.58
27	MP2B	Mx	.002	1.58
28	MP2B	X	-4.791	5.58
29	MP2B	Z	0	5.58
30	MP2B	Mx	.002	5.58
31	MP2C	X	-4.962	1.58
32	MP2C	Z	0	1.58
33	MP2C	Mx	-.004	1.58
34	MP2C	X	-4.962	5.58
35	MP2C	Z	0	5.58
36	MP2C	Mx	-.004	5.58
37	MP4A	X	-1.459	2
38	MP4A	Z	0	2
39	MP4A	Mx	.00073	2
40	MP4A	X	-1.459	4
41	MP4A	Z	0	4
42	MP4A	Mx	.00073	4
43	MP4B	X	-3.543	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.000886	2
46	MP4B	X	-3.543	4
47	MP4B	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	-.000886	4
49	MP4C	X	-3.912	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.000669	2
52	MP4C	X	-3.912	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.000669	4
55	MP1A	X	-9.268	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	.005	1.33
58	MP1A	X	-9.268	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	.005	3.33
61	MP1B	X	-10.099	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	-.003	1.33
64	MP1B	X	-10.099	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	-.003	3.33
67	MP1C	X	-10.247	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	-.002	1.33
70	MP1C	X	-10.247	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	-.002	3.33
73	MP5A	X	-9.268	1.33
74	MP5A	Z	0	1.33
75	MP5A	Mx	.005	1.33
76	MP5A	X	-9.268	3.33
77	MP5A	Z	0	3.33
78	MP5A	Mx	.005	3.33
79	MP5B	X	-10.099	1.33
80	MP5B	Z	0	1.33
81	MP5B	Mx	-.003	1.33
82	MP5B	X	-10.099	3.33
83	MP5B	Z	0	3.33
84	MP5B	Mx	-.003	3.33
85	MP5C	X	-10.247	1.33
86	MP5C	Z	0	1.33
87	MP5C	Mx	-.002	1.33
88	MP5C	X	-10.247	3.33
89	MP5C	Z	0	3.33
90	MP5C	Mx	-.002	3.33
91	MP2A	X	-2.248	1.5
92	MP2A	Z	0	1.5
93	MP2A	Mx	-.001	1.5
94	MP2B	X	-3.075	1.5
95	MP2B	Z	0	1.5
96	MP2B	Mx	.000769	1.5
97	MP2C	X	-3.222	1.5
98	MP2C	Z	0	1.5
99	MP2C	Mx	.000551	1.5
100	MP3A	X	-2.032	.5
101	MP3A	Z	0	.5
102	MP3A	Mx	-.001	.5
103	MP3B	X	-3.021	.5
104	MP3B	Z	0	.5
105	MP3B	Mx	.000755	.5
106	MP3C	X	-3.196	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	0	.5
108	MP3C	Mx	.000547	.5
109	MP2B	X	-1.714	4
110	MP2B	Z	0	4
111	MP2B	Mx	.000428	4
112	MP2C	X	-1.906	4
113	MP2C	Z	0	4
114	MP2C	Mx	.000326	4
115	MP2B	X	-1.714	4
116	MP2B	Z	0	4
117	MP2B	Mx	-.000214	4
118	MP2C	X	-1.906	4
119	MP2C	Z	0	4
120	MP2C	Mx	-.000163	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.592	1.58
2	MP2A	Z	-2.074	1.58
3	MP2A	Mx	.003	1.58
4	MP2A	X	-3.592	5.58
5	MP2A	Z	-2.074	5.58
6	MP2A	Mx	.003	5.58
7	MP2B	X	-4.428	1.58
8	MP2B	Z	-2.556	1.58
9	MP2B	Mx	-.004	1.58
10	MP2B	X	-4.428	5.58
11	MP2B	Z	-2.556	5.58
12	MP2B	Mx	-.004	5.58
13	MP2C	X	-3.774	1.58
14	MP2C	Z	-2.179	1.58
15	MP2C	Mx	.000432	1.58
16	MP2C	X	-3.774	5.58
17	MP2C	Z	-2.179	5.58
18	MP2C	Mx	.000432	5.58
19	MP2A	X	-3.592	1.58
20	MP2A	Z	-2.074	1.58
21	MP2A	Mx	.000241	1.58
22	MP2A	X	-3.592	5.58
23	MP2A	Z	-2.074	5.58
24	MP2A	Mx	.000241	5.58
25	MP2B	X	-4.428	1.58
26	MP2B	Z	-2.556	1.58
27	MP2B	Mx	.004	1.58
28	MP2B	X	-4.428	5.58
29	MP2B	Z	-2.556	5.58
30	MP2B	Mx	.004	5.58
31	MP2C	X	-3.774	1.58
32	MP2C	Z	-2.179	1.58
33	MP2C	Mx	-.004	1.58
34	MP2C	X	-3.774	5.58
35	MP2C	Z	-2.179	5.58
36	MP2C	Mx	-.004	5.58
37	MP4A	X	-1.865	2
38	MP4A	Z	-1.077	2
39	MP4A	Mx	.000932	2
40	MP4A	X	-1.865	4
41	MP4A	Z	-1.077	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	.000932	4
43	MP4B	X	-3.669	2
44	MP4B	Z	-2.119	2
45	MP4B	Mx	0	2
46	MP4B	X	-3.669	4
47	MP4B	Z	-2.119	4
48	MP4B	Mx	0	4
49	MP4C	X	-2.258	2
50	MP4C	Z	-1.303	2
51	MP4C	Mx	-.000998	2
52	MP4C	X	-2.258	4
53	MP4C	Z	-1.303	4
54	MP4C	Mx	-.000998	4
55	MP1A	X	-8.266	1.33
56	MP1A	Z	-4.773	1.33
57	MP1A	Mx	.004	1.33
58	MP1A	X	-8.266	3.33
59	MP1A	Z	-4.773	3.33
60	MP1A	Mx	.004	3.33
61	MP1B	X	-8.986	1.33
62	MP1B	Z	-5.188	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	-8.986	3.33
65	MP1B	Z	-5.188	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	-8.423	1.33
68	MP1C	Z	-4.863	1.33
69	MP1C	Mx	-.004	1.33
70	MP1C	X	-8.423	3.33
71	MP1C	Z	-4.863	3.33
72	MP1C	Mx	-.004	3.33
73	MP5A	X	-8.266	1.33
74	MP5A	Z	-4.773	1.33
75	MP5A	Mx	.004	1.33
76	MP5A	X	-8.266	3.33
77	MP5A	Z	-4.773	3.33
78	MP5A	Mx	.004	3.33
79	MP5B	X	-8.986	1.33
80	MP5B	Z	-5.188	1.33
81	MP5B	Mx	0	1.33
82	MP5B	X	-8.986	3.33
83	MP5B	Z	-5.188	3.33
84	MP5B	Mx	0	3.33
85	MP5C	X	-8.423	1.33
86	MP5C	Z	-4.863	1.33
87	MP5C	Mx	-.004	1.33
88	MP5C	X	-8.423	3.33
89	MP5C	Z	-4.863	3.33
90	MP5C	Mx	-.004	3.33
91	MP2A	X	-2.186	1.5
92	MP2A	Z	-1.262	1.5
93	MP2A	Mx	-.001	1.5
94	MP2B	X	-2.902	1.5
95	MP2B	Z	-1.675	1.5
96	MP2B	Mx	0	1.5
97	MP2C	X	-2.342	1.5
98	MP2C	Z	-1.352	1.5
99	MP2C	Mx	.001	1.5
100	MP3A	X	-2.045	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP3A	Z	-1.181	.5
102	MP3A	Mx	-.001	.5
103	MP3B	X	-2.902	.5
104	MP3B	Z	-1.675	.5
105	MP3B	Mx	0	.5
106	MP3C	X	-2.232	.5
107	MP3C	Z	-1.288	.5
108	MP3C	Mx	.000987	.5
109	MP2B	X	-1.797	4
110	MP2B	Z	-1.038	4
111	MP2B	Mx	0	4
112	MP2C	X	-1.062	4
113	MP2C	Z	-.613	4
114	MP2C	Mx	.00047	4
115	MP2B	X	-1.797	4
116	MP2B	Z	-1.038	4
117	MP2B	Mx	0	4
118	MP2C	X	-1.062	4
119	MP2C	Z	-.613	4
120	MP2C	Mx	-.000235	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.395	1.58
2	MP2A	Z	-4.149	1.58
3	MP2A	Mx	.004	1.58
4	MP2A	X	-2.395	5.58
5	MP2A	Z	-4.149	5.58
6	MP2A	Mx	.004	5.58
7	MP2B	X	-2.395	1.58
8	MP2B	Z	-4.149	1.58
9	MP2B	Mx	-.002	1.58
10	MP2B	X	-2.395	5.58
11	MP2B	Z	-4.149	5.58
12	MP2B	Mx	-.002	5.58
13	MP2C	X	-1.933	1.58
14	MP2C	Z	-3.347	1.58
15	MP2C	Mx	-.001	1.58
16	MP2C	X	-1.933	5.58
17	MP2C	Z	-3.347	5.58
18	MP2C	Mx	-.001	5.58
19	MP2A	X	-2.395	1.58
20	MP2A	Z	-4.149	1.58
21	MP2A	Mx	-.002	1.58
22	MP2A	X	-2.395	5.58
23	MP2A	Z	-4.149	5.58
24	MP2A	Mx	-.002	5.58
25	MP2B	X	-2.395	1.58
26	MP2B	Z	-4.149	1.58
27	MP2B	Mx	.004	1.58
28	MP2B	X	-2.395	5.58
29	MP2B	Z	-4.149	5.58
30	MP2B	Mx	.004	5.58
31	MP2C	X	-1.933	1.58
32	MP2C	Z	-3.347	1.58
33	MP2C	Mx	-.002	1.58
34	MP2C	X	-1.933	5.58
35	MP2C	Z	-3.347	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.002	5.58
37	MP4A	X	-1.771	2
38	MP4A	Z	-3.068	2
39	MP4A	Mx	.000886	2
40	MP4A	X	-1.771	4
41	MP4A	Z	-3.068	4
42	MP4A	Mx	.000886	4
43	MP4B	X	-1.771	2
44	MP4B	Z	-3.068	2
45	MP4B	Mx	.000886	2
46	MP4B	X	-1.771	4
47	MP4B	Z	-3.068	4
48	MP4B	Mx	.000886	4
49	MP4C	X	-.771	2
50	MP4C	Z	-1.336	2
51	MP4C	Mx	-.00076	2
52	MP4C	X	-.771	4
53	MP4C	Z	-1.336	4
54	MP4C	Mx	-.00076	4
55	MP1A	X	-5.05	1.33
56	MP1A	Z	-8.746	1.33
57	MP1A	Mx	.003	1.33
58	MP1A	X	-5.05	3.33
59	MP1A	Z	-8.746	3.33
60	MP1A	Mx	.003	3.33
61	MP1B	X	-5.05	1.33
62	MP1B	Z	-8.746	1.33
63	MP1B	Mx	.003	1.33
64	MP1B	X	-5.05	3.33
65	MP1B	Z	-8.746	3.33
66	MP1B	Mx	.003	3.33
67	MP1C	X	-4.651	1.33
68	MP1C	Z	-8.055	1.33
69	MP1C	Mx	-.005	1.33
70	MP1C	X	-4.651	3.33
71	MP1C	Z	-8.055	3.33
72	MP1C	Mx	-.005	3.33
73	MP5A	X	-5.05	1.33
74	MP5A	Z	-8.746	1.33
75	MP5A	Mx	.003	1.33
76	MP5A	X	-5.05	3.33
77	MP5A	Z	-8.746	3.33
78	MP5A	Mx	.003	3.33
79	MP5B	X	-5.05	1.33
80	MP5B	Z	-8.746	1.33
81	MP5B	Mx	.003	1.33
82	MP5B	X	-5.05	3.33
83	MP5B	Z	-8.746	3.33
84	MP5B	Mx	.003	3.33
85	MP5C	X	-4.651	1.33
86	MP5C	Z	-8.055	1.33
87	MP5C	Mx	-.005	1.33
88	MP5C	X	-4.651	3.33
89	MP5C	Z	-8.055	3.33
90	MP5C	Mx	-.005	3.33
91	MP2A	X	-1.538	1.5
92	MP2A	Z	-2.663	1.5
93	MP2A	Mx	-.000769	1.5
94	MP2B	X	-1.538	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	-2.663	1.5
96	MP2B	Mx	-.000769	1.5
97	MP2C	X	-1.141	1.5
98	MP2C	Z	-1.976	1.5
99	MP2C	Mx	.001	1.5
100	MP3A	X	-1.511	.5
101	MP3A	Z	-2.616	.5
102	MP3A	Mx	-.000755	.5
103	MP3B	X	-1.511	.5
104	MP3B	Z	-2.616	.5
105	MP3B	Mx	-.000755	.5
106	MP3C	X	-1.036	.5
107	MP3C	Z	-1.794	.5
108	MP3C	Mx	.001	.5
109	MP2B	X	-.857	4
110	MP2B	Z	-1.484	4
111	MP2B	Mx	-.000428	4
112	MP2C	X	-.337	4
113	MP2C	Z	-.583	4
114	MP2C	Mx	.000332	4
115	MP2B	X	-.857	4
116	MP2B	Z	-1.484	4
117	MP2B	Mx	.000214	4
118	MP2C	X	-.337	4
119	MP2C	Z	-.583	4
120	MP2C	Mx	-.000166	4

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%79

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-.932	1.58
2	MP2A	My	-.000466	1.58
3	MP2A	Mz	-.000699	1.58
4	MP2A	Y	-.932	5.58
5	MP2A	My	-.000466	5.58
6	MP2A	Mz	-.000699	5.58
7	MP2B	Y	-.932	1.58
8	MP2B	My	.000839	1.58
9	MP2B	Mz	-5.4e-5	1.58
10	MP2B	Y	-.932	5.58
11	MP2B	My	.000839	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mz	-5.4e-5	5.58
13	MP2C	Y	-.932	1.58
14	MP2C	My	-.000498	1.58
15	MP2C	Mz	.000677	1.58
16	MP2C	Y	-.932	5.58
17	MP2C	My	-.000498	5.58
18	MP2C	Mz	.000677	5.58
19	MP2A	Y	-.932	1.58
20	MP2A	My	-.000466	1.58
21	MP2A	Mz	.000699	1.58
22	MP2A	Y	-.932	5.58
23	MP2A	My	-.000466	5.58
24	MP2A	Mz	.000699	5.58
25	MP2B	Y	-.932	1.58
26	MP2B	My	-.000372	1.58
27	MP2B	Mz	-.000753	1.58
28	MP2B	Y	-.932	5.58
29	MP2B	My	-.000372	5.58
30	MP2B	Mz	-.000753	5.58
31	MP2C	Y	-.932	1.58
32	MP2C	My	.000816	1.58
33	MP2C	Mz	.000199	1.58
34	MP2C	Y	-.932	5.58
35	MP2C	My	.000816	5.58
36	MP2C	Mz	.000199	5.58
37	MP4A	Y	-1.765	2
38	MP4A	My	-.000883	2
39	MP4A	Mz	0	2
40	MP4A	Y	-1.765	4
41	MP4A	My	-.000883	4
42	MP4A	Mz	0	4
43	MP4B	Y	-1.765	2
44	MP4B	My	.000441	2
45	MP4B	Mz	-.000764	2
46	MP4B	Y	-1.765	4
47	MP4B	My	.000441	4
48	MP4B	Mz	-.000764	4
49	MP4C	Y	-1.765	2
50	MP4C	My	.000302	2
51	MP4C	Mz	.000829	2
52	MP4C	Y	-1.765	4
53	MP4C	My	.000302	4
54	MP4C	Mz	.000829	4
55	MP1A	Y	-.547	1.33
56	MP1A	My	-.000274	1.33
57	MP1A	Mz	0	1.33
58	MP1A	Y	-.547	3.33
59	MP1A	My	-.000274	3.33
60	MP1A	Mz	0	3.33
61	MP1B	Y	-.547	1.33
62	MP1B	My	.000137	1.33
63	MP1B	Mz	-.000237	1.33
64	MP1B	Y	-.547	3.33
65	MP1B	My	.000137	3.33
66	MP1B	Mz	-.000237	3.33
67	MP1C	Y	-.547	1.33
68	MP1C	My	9.4e-5	1.33
69	MP1C	Mz	.000257	1.33
70	MP1C	Y	-.547	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP1C	My	9.4e-5	3.33
72	MP1C	Mz	.000257	3.33
73	MP5A	Y	-.547	1.33
74	MP5A	My	-.000274	1.33
75	MP5A	Mz	0	1.33
76	MP5A	Y	-.547	3.33
77	MP5A	My	-.000274	3.33
78	MP5A	Mz	0	3.33
79	MP5B	Y	-.547	1.33
80	MP5B	My	.000137	1.33
81	MP5B	Mz	-.000237	1.33
82	MP5B	Y	-.547	3.33
83	MP5B	My	.000137	3.33
84	MP5B	Mz	-.000237	3.33
85	MP5C	Y	-.547	1.33
86	MP5C	My	9.4e-5	1.33
87	MP5C	Mz	.000257	1.33
88	MP5C	Y	-.547	3.33
89	MP5C	My	9.4e-5	3.33
90	MP5C	Mz	.000257	3.33
91	MP2A	Y	-3.028	1.5
92	MP2A	My	.002	1.5
93	MP2A	Mz	0	1.5
94	MP2B	Y	-3.028	1.5
95	MP2B	My	-.000757	1.5
96	MP2B	Mz	.001	1.5
97	MP2C	Y	-3.028	1.5
98	MP2C	My	-.000518	1.5
99	MP2C	Mz	-.001	1.5
100	MP3A	Y	-2.849	.5
101	MP3A	My	.001	.5
102	MP3A	Mz	0	.5
103	MP3B	Y	-2.849	.5
104	MP3B	My	-.000712	.5
105	MP3B	Mz	.001	.5
106	MP3C	Y	-2.849	.5
107	MP3C	My	-.000487	.5
108	MP3C	Mz	-.001	.5
109	MP2B	Y	-.713	4
110	MP2B	My	-.000178	4
111	MP2B	Mz	.000309	4
112	MP2C	Y	-.713	4
113	MP2C	My	-.000122	4
114	MP2C	Mz	-.000335	4
115	MP2B	Y	-.713	4
116	MP2B	My	8.9e-5	4
117	MP2B	Mz	-.000154	4
118	MP2C	Y	-.713	4
119	MP2C	My	6.1e-5	4
120	MP2C	Mz	.000168	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-2.331	1.58
2	MP2A	Mx	.002	1.58
3	MP2A	Z	-2.331	5.58
4	MP2A	Mx	.002	5.58
5	MP2B	Z	-2.331	1.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2B	Mx	.000135	1.58
7	MP2B	Z	-2.331	5.58
8	MP2B	Mx	.000135	5.58
9	MP2C	Z	-2.331	1.58
10	MP2C	Mx	-.002	1.58
11	MP2C	Z	-2.331	5.58
12	MP2C	Mx	-.002	5.58
13	MP2A	Z	-2.331	1.58
14	MP2A	Mx	-.002	1.58
15	MP2A	Z	-2.331	5.58
16	MP2A	Mx	-.002	5.58
17	MP2B	Z	-2.331	1.58
18	MP2B	Mx	.002	1.58
19	MP2B	Z	-2.331	5.58
20	MP2B	Mx	.002	5.58
21	MP2C	Z	-2.331	1.58
22	MP2C	Mx	-.000497	1.58
23	MP2C	Z	-2.331	5.58
24	MP2C	Mx	-.000497	5.58
25	MP4A	Z	-4.413	2
26	MP4A	Mx	0	2
27	MP4A	Z	-4.413	4
28	MP4A	Mx	0	4
29	MP4B	Z	-4.413	2
30	MP4B	Mx	.002	2
31	MP4B	Z	-4.413	4
32	MP4B	Mx	.002	4
33	MP4C	Z	-4.413	2
34	MP4C	Mx	-.002	2
35	MP4C	Z	-4.413	4
36	MP4C	Mx	-.002	4
37	MP1A	Z	-1.368	1.33
38	MP1A	Mx	0	1.33
39	MP1A	Z	-1.368	3.33
40	MP1A	Mx	0	3.33
41	MP1B	Z	-1.368	1.33
42	MP1B	Mx	.000592	1.33
43	MP1B	Z	-1.368	3.33
44	MP1B	Mx	.000592	3.33
45	MP1C	Z	-1.368	1.33
46	MP1C	Mx	-.000643	1.33
47	MP1C	Z	-1.368	3.33
48	MP1C	Mx	-.000643	3.33
49	MP5A	Z	-1.368	1.33
50	MP5A	Mx	0	1.33
51	MP5A	Z	-1.368	3.33
52	MP5A	Mx	0	3.33
53	MP5B	Z	-1.368	1.33
54	MP5B	Mx	.000592	1.33
55	MP5B	Z	-1.368	3.33
56	MP5B	Mx	.000592	3.33
57	MP5C	Z	-1.368	1.33
58	MP5C	Mx	-.000643	1.33
59	MP5C	Z	-1.368	3.33
60	MP5C	Mx	-.000643	3.33
61	MP2A	Z	-7.57	1.5
62	MP2A	Mx	0	1.5
63	MP2B	Z	-7.57	1.5
64	MP2B	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2C	Z	-7.57	1.5
66	MP2C	Mx	.004	1.5
67	MP3A	Z	-7.124	.5
68	MP3A	Mx	0	.5
69	MP3B	Z	-7.124	.5
70	MP3B	Mx	-.003	.5
71	MP3C	Z	-7.124	.5
72	MP3C	Mx	.003	.5
73	MP2B	Z	-1.783	4
74	MP2B	Mx	-.000772	4
75	MP2C	Z	-1.783	4
76	MP2C	Mx	.000838	4
77	MP2B	Z	-1.783	4
78	MP2B	Mx	.000386	4
79	MP2C	Z	-1.783	4
80	MP2C	Mx	-.000419	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.331	1.58
2	MP2A	Mx	-.001	1.58
3	MP2A	X	2.331	5.58
4	MP2A	Mx	-.001	5.58
5	MP2B	X	2.331	1.58
6	MP2B	Mx	.002	1.58
7	MP2B	X	2.331	5.58
8	MP2B	Mx	.002	5.58
9	MP2C	X	2.331	1.58
10	MP2C	Mx	-.001	1.58
11	MP2C	X	2.331	5.58
12	MP2C	Mx	-.001	5.58
13	MP2A	X	2.331	1.58
14	MP2A	Mx	-.001	1.58
15	MP2A	X	2.331	5.58
16	MP2A	Mx	-.001	5.58
17	MP2B	X	2.331	1.58
18	MP2B	Mx	-.000931	1.58
19	MP2B	X	2.331	5.58
20	MP2B	Mx	-.000931	5.58
21	MP2C	X	2.331	1.58
22	MP2C	Mx	.002	1.58
23	MP2C	X	2.331	5.58
24	MP2C	Mx	.002	5.58
25	MP4A	X	4.413	2
26	MP4A	Mx	-.002	2
27	MP4A	X	4.413	4
28	MP4A	Mx	-.002	4
29	MP4B	X	4.413	2
30	MP4B	Mx	.001	2
31	MP4B	X	4.413	4
32	MP4B	Mx	.001	4
33	MP4C	X	4.413	2
34	MP4C	Mx	.000755	2
35	MP4C	X	4.413	4
36	MP4C	Mx	.000755	4
37	MP1A	X	1.368	1.33
38	MP1A	Mx	-.000684	1.33
39	MP1A	X	1.368	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	Mx	-.000684	3.33
41	MP1B	X	1.368	1.33
42	MP1B	Mx	.000342	1.33
43	MP1B	X	1.368	3.33
44	MP1B	Mx	.000342	3.33
45	MP1C	X	1.368	1.33
46	MP1C	Mx	.000234	1.33
47	MP1C	X	1.368	3.33
48	MP1C	Mx	.000234	3.33
49	MP5A	X	1.368	1.33
50	MP5A	Mx	-.000684	1.33
51	MP5A	X	1.368	3.33
52	MP5A	Mx	-.000684	3.33
53	MP5B	X	1.368	1.33
54	MP5B	Mx	.000342	1.33
55	MP5B	X	1.368	3.33
56	MP5B	Mx	.000342	3.33
57	MP5C	X	1.368	1.33
58	MP5C	Mx	.000234	1.33
59	MP5C	X	1.368	3.33
60	MP5C	Mx	.000234	3.33
61	MP2A	X	7.57	1.5
62	MP2A	Mx	.004	1.5
63	MP2B	X	7.57	1.5
64	MP2B	Mx	-.002	1.5
65	MP2C	X	7.57	1.5
66	MP2C	Mx	-.001	1.5
67	MP3A	X	7.124	.5
68	MP3A	Mx	.004	.5
69	MP3B	X	7.124	.5
70	MP3B	Mx	-.002	.5
71	MP3C	X	7.124	.5
72	MP3C	Mx	-.001	.5
73	MP2B	X	1.783	4
74	MP2B	Mx	-.000446	4
75	MP2C	X	1.783	4
76	MP2C	Mx	-.000305	4
77	MP2B	X	1.783	4
78	MP2B	Mx	.000223	4
79	MP2C	X	1.783	4
80	MP2C	Mx	.000152	4

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	M73	Y	-9.18	-9.18	0	%100
2	M76	Y	-9.691	-9.691	0	%100
3	M87	Y	-9.18	-9.18	0	%100
4	M88	Y	-9.18	-9.18	0	%100
5	M101	Y	-14.461	-14.461	0	%100
6	M102	Y	-14.461	-14.461	0	%100
7	M103	Y	-14.461	-14.461	0	%100
8	M104	Y	-9.691	-9.691	0	%100
9	M105	Y	-9.691	-9.691	0	%100
10	M34	Y	-7.681	-7.681	0	%100
11	M43	Y	-7.681	-7.681	0	%100
12	M52	Y	-5.028	-5.028	0	%100
13	M53	Y	-5.028	-5.028	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
14	M54	Y	-5.028	-5.028	0	%100
15	M55	Y	-5.028	-5.028	0	%100
16	MP3C	Y	-5.028	-5.028	0	%100
17	M57	Y	-5.028	-5.028	0	%100
18	M58	Y	-5.028	-5.028	0	%100
19	M59	Y	-5.028	-5.028	0	%100
20	M60	Y	-5.028	-5.028	0	%100
21	M57A	Y	-7.681	-7.681	0	%100
22	M58A	Y	-7.681	-7.681	0	%100
23	M59A	Y	-7.681	-7.681	0	%100
24	M60A	Y	-7.681	-7.681	0	%100
25	M63	Y	-9.18	-9.18	0	%100
26	M65	Y	-9.691	-9.691	0	%100
27	M66	Y	-9.691	-9.691	0	%100
28	M67	Y	-5.028	-5.028	0	%100
29	M68	Y	-5.028	-5.028	0	%100
30	M69	Y	-5.028	-5.028	0	%100
31	M70	Y	-5.028	-5.028	0	%100
32	M71	Y	-5.028	-5.028	0	%100
33	M72	Y	-5.028	-5.028	0	%100
34	MP5A	Y	-5.028	-5.028	0	%100
35	MP1B	Y	-5.028	-5.028	0	%100
36	MP5C	Y	-5.028	-5.028	0	%100
37	MP1A	Y	-5.028	-5.028	0	%100
38	MP5B	Y	-5.028	-5.028	0	%100
39	MP1C	Y	-5.028	-5.028	0	%100
40	MP3A	Y	-5.028	-5.028	0	%100
41	MP4A	Y	-5.028	-5.028	0	%100
42	MP2A	Y	-5.028	-5.028	0	%100
43	M90B	Y	-5.028	-5.028	0	%100
44	MP4C	Y	-5.028	-5.028	0	%100
45	MP2C	Y	-5.028	-5.028	0	%100
46	MP3B	Y	-5.028	-5.028	0	%100
47	MP4B	Y	-5.028	-5.028	0	%100
48	MP2B	Y	-5.028	-5.028	0	%100
49	M106	Y	-9.29	-9.29	0	%100
50	M107	Y	-9.29	-9.29	0	%100
51	M108	Y	-9.29	-9.29	0	%100
52	M109	Y	-7.681	-7.681	0	%100
53	M110	Y	-7.681	-7.681	0	%100
54	M111	Y	-7.681	-7.681	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M73	X	0	0	0	%100
2	M73	Z	-31.275	-31.275	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	-7.819	-7.819	0	%100
7	M88	X	0	0	0	%100
8	M88	Z	-7.819	-7.819	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	-.469	-.469	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	-.469	-.469	0	%100
13	M103	X	0	0	0	%100
14	M103	Z	-1.877	-1.877	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,%]
15	M104	X	0	0	0	%100
16	M104	Z	-11.326	-11.326	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	-11.326	-11.326	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	-18.765	-18.765	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	-18.765	-18.765	0	%100
23	M52	X	0	0	0	%100
24	M52	Z	-8.54	-8.54	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	-7.428	-7.428	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-7.428	-7.428	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	-7.428	-7.428	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-7.428	-7.428	0	%100
33	M57	X	0	0	0	%100
34	M57	Z	-7.428	-7.428	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	-7.428	-7.428	0	%100
37	M59	X	0	0	0	%100
38	M59	Z	-8.54	-8.54	0	%100
39	M60	X	0	0	0	%100
40	M60	Z	-8.54	-8.54	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	-4.691	-4.691	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-4.691	-4.691	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-4.691	-4.691	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	-4.691	-4.691	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	-26.494	-26.494	0	%100
51	M65	X	0	0	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	0	0	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	-7.428	-7.428	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-7.428	-7.428	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	-7.428	-7.428	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	-7.428	-7.428	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-7.428	-7.428	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	-7.428	-7.428	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	-8.913	-8.913	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	-8.913	-8.913	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	-8.913	-8.913	0	%100
73	MP1A	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,%]
74	MP1A	Z	-8.913	-8.913	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	-8.913	-8.913	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	-8.913	-8.913	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-8.913	-8.913	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-8.913	-8.913	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-8.913	-8.913	0	%100
85	M90B	X	0	0	0	%100
86	M90B	Z	-8.913	-8.913	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-8.913	-8.913	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-8.913	-8.913	0	%100
91	MP3B	X	0	0	0	%100
92	MP3B	Z	-8.913	-8.913	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-8.913	-8.913	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	-8.913	-8.913	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	-13.957	-13.957	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	-15.218	-15.218	0	%100
101	M108	X	0	0	0	%100
102	M108	Z	-15.218	-15.218	0	%100
103	M109	X	0	0	0	%100
104	M109	Z	-6.948	-6.948	0	%100
105	M110	X	0	0	0	%100
106	M110	Z	-13.329	-13.329	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	-13.329	-13.329	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	M73	X	11.728	11.728	0	%100
2	M73	Z	-20.314	-20.314	0	%100
3	M76	X	1.888	1.888	0	%100
4	M76	Z	-3.269	-3.269	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M88	X	11.728	11.728	0	%100
8	M88	Z	-20.314	-20.314	0	%100
9	M101	X	.704	.704	0	%100
10	M101	Z	-1.219	-1.219	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	0	0	0	%100
13	M103	X	.704	.704	0	%100
14	M103	Z	-1.219	-1.219	0	%100
15	M104	X	1.888	1.888	0	%100
16	M104	Z	-3.269	-3.269	0	%100
17	M105	X	7.55	7.55	0	%100
18	M105	Z	-13.078	-13.078	0	%100
19	M34	X	7.037	7.037	0	%100
20	M34	Z	-12.188	-12.188	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,%]
21	M43	X	7.037	7.037	0	%100
22	M43	Z	-12.188	-12.188	0	%100
23	M52	X	4.27	4.27	0	%100
24	M52	Z	-7.396	-7.396	0	%100
25	M53	X	3.714	3.714	0	%100
26	M53	Z	-6.433	-6.433	0	%100
27	M54	X	3.714	3.714	0	%100
28	M54	Z	-6.433	-6.433	0	%100
29	M55	X	3.714	3.714	0	%100
30	M55	Z	-6.433	-6.433	0	%100
31	MP3C	X	3.714	3.714	0	%100
32	MP3C	Z	-6.433	-6.433	0	%100
33	M57	X	3.714	3.714	0	%100
34	M57	Z	-6.433	-6.433	0	%100
35	M58	X	3.714	3.714	0	%100
36	M58	Z	-6.433	-6.433	0	%100
37	M59	X	4.27	4.27	0	%100
38	M59	Z	-7.396	-7.396	0	%100
39	M60	X	4.27	4.27	0	%100
40	M60	Z	-7.396	-7.396	0	%100
41	M57A	X	7.037	7.037	0	%100
42	M57A	Z	-12.188	-12.188	0	%100
43	M58A	X	7.037	7.037	0	%100
44	M58A	Z	-12.188	-12.188	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	0	0	0	%100
49	M63	X	9.935	9.935	0	%100
50	M63	Z	-17.208	-17.208	0	%100
51	M65	X	2.737	2.737	0	%100
52	M65	Z	-4.741	-4.741	0	%100
53	M66	X	2.737	2.737	0	%100
54	M66	Z	-4.741	-4.741	0	%100
55	M67	X	3.714	3.714	0	%100
56	M67	Z	-6.433	-6.433	0	%100
57	M68	X	3.714	3.714	0	%100
58	M68	Z	-6.433	-6.433	0	%100
59	M69	X	3.714	3.714	0	%100
60	M69	Z	-6.433	-6.433	0	%100
61	M70	X	3.714	3.714	0	%100
62	M70	Z	-6.433	-6.433	0	%100
63	M71	X	3.714	3.714	0	%100
64	M71	Z	-6.433	-6.433	0	%100
65	M72	X	3.714	3.714	0	%100
66	M72	Z	-6.433	-6.433	0	%100
67	MP5A	X	4.457	4.457	0	%100
68	MP5A	Z	-7.719	-7.719	0	%100
69	MP1B	X	4.457	4.457	0	%100
70	MP1B	Z	-7.719	-7.719	0	%100
71	MP5C	X	4.457	4.457	0	%100
72	MP5C	Z	-7.719	-7.719	0	%100
73	MP1A	X	4.457	4.457	0	%100
74	MP1A	Z	-7.719	-7.719	0	%100
75	MP5B	X	4.457	4.457	0	%100
76	MP5B	Z	-7.719	-7.719	0	%100
77	MP1C	X	4.457	4.457	0	%100
78	MP1C	Z	-7.719	-7.719	0	%100
79	MP3A	X	4.457	4.457	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,%]
80	MP3A	Z	-7.719	-7.719	0	%100
81	MP4A	X	4.457	4.457	0	%100
82	MP4A	Z	-7.719	-7.719	0	%100
83	MP2A	X	4.457	4.457	0	%100
84	MP2A	Z	-7.719	-7.719	0	%100
85	M90B	X	4.457	4.457	0	%100
86	M90B	Z	-7.719	-7.719	0	%100
87	MP4C	X	4.457	4.457	0	%100
88	MP4C	Z	-7.719	-7.719	0	%100
89	MP2C	X	4.457	4.457	0	%100
90	MP2C	Z	-7.719	-7.719	0	%100
91	MP3B	X	4.457	4.457	0	%100
92	MP3B	Z	-7.719	-7.719	0	%100
93	MP4B	X	4.457	4.457	0	%100
94	MP4B	Z	-7.719	-7.719	0	%100
95	MP2B	X	4.457	4.457	0	%100
96	MP2B	Z	-7.719	-7.719	0	%100
97	M106	X	7.189	7.189	0	%100
98	M106	Z	-12.451	-12.451	0	%100
99	M107	X	7.189	7.189	0	%100
100	M107	Z	-12.451	-12.451	0	%100
101	M108	X	7.819	7.819	0	%100
102	M108	Z	-13.543	-13.543	0	%100
103	M109	X	4.538	4.538	0	%100
104	M109	Z	-7.859	-7.859	0	%100
105	M110	X	4.538	4.538	0	%100
106	M110	Z	-7.859	-7.859	0	%100
107	M111	X	7.728	7.728	0	%100
108	M111	Z	-13.385	-13.385	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	M73	X	6.771	6.771	0	%100
2	M73	Z	-3.909	-3.909	0	%100
3	M76	X	9.808	9.808	0	%100
4	M76	Z	-5.663	-5.663	0	%100
5	M87	X	6.771	6.771	0	%100
6	M87	Z	-3.909	-3.909	0	%100
7	M88	X	27.085	27.085	0	%100
8	M88	Z	-15.638	-15.638	0	%100
9	M101	X	1.625	1.625	0	%100
10	M101	Z	-.938	-.938	0	%100
11	M102	X	.406	.406	0	%100
12	M102	Z	-.235	-.235	0	%100
13	M103	X	.406	.406	0	%100
14	M103	Z	-.235	-.235	0	%100
15	M104	X	0	0	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	9.808	9.808	0	%100
18	M105	Z	-5.663	-5.663	0	%100
19	M34	X	4.063	4.063	0	%100
20	M34	Z	-2.346	-2.346	0	%100
21	M43	X	4.063	4.063	0	%100
22	M43	Z	-2.346	-2.346	0	%100
23	M52	X	7.396	7.396	0	%100
24	M52	Z	-4.27	-4.27	0	%100
25	M53	X	6.433	6.433	0	%100
26	M53	Z	-3.714	-3.714	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,%]
27	M54	X	6.433	6.433	0	%100
28	M54	Z	-3.714	-3.714	0	%100
29	M55	X	6.433	6.433	0	%100
30	M55	Z	-3.714	-3.714	0	%100
31	MP3C	X	6.433	6.433	0	%100
32	MP3C	Z	-3.714	-3.714	0	%100
33	M57	X	6.433	6.433	0	%100
34	M57	Z	-3.714	-3.714	0	%100
35	M58	X	6.433	6.433	0	%100
36	M58	Z	-3.714	-3.714	0	%100
37	M59	X	7.396	7.396	0	%100
38	M59	Z	-4.27	-4.27	0	%100
39	M60	X	7.396	7.396	0	%100
40	M60	Z	-4.27	-4.27	0	%100
41	M57A	X	16.251	16.251	0	%100
42	M57A	Z	-9.383	-9.383	0	%100
43	M58A	X	16.251	16.251	0	%100
44	M58A	Z	-9.383	-9.383	0	%100
45	M59A	X	4.063	4.063	0	%100
46	M59A	Z	-2.346	-2.346	0	%100
47	M60A	X	4.063	4.063	0	%100
48	M60A	Z	-2.346	-2.346	0	%100
49	M63	X	5.736	5.736	0	%100
50	M63	Z	-3.312	-3.312	0	%100
51	M65	X	14.222	14.222	0	%100
52	M65	Z	-8.211	-8.211	0	%100
53	M66	X	14.222	14.222	0	%100
54	M66	Z	-8.211	-8.211	0	%100
55	M67	X	6.433	6.433	0	%100
56	M67	Z	-3.714	-3.714	0	%100
57	M68	X	6.433	6.433	0	%100
58	M68	Z	-3.714	-3.714	0	%100
59	M69	X	6.433	6.433	0	%100
60	M69	Z	-3.714	-3.714	0	%100
61	M70	X	6.433	6.433	0	%100
62	M70	Z	-3.714	-3.714	0	%100
63	M71	X	6.433	6.433	0	%100
64	M71	Z	-3.714	-3.714	0	%100
65	M72	X	6.433	6.433	0	%100
66	M72	Z	-3.714	-3.714	0	%100
67	MP5A	X	7.719	7.719	0	%100
68	MP5A	Z	-4.457	-4.457	0	%100
69	MP1B	X	7.719	7.719	0	%100
70	MP1B	Z	-4.457	-4.457	0	%100
71	MP5C	X	7.719	7.719	0	%100
72	MP5C	Z	-4.457	-4.457	0	%100
73	MP1A	X	7.719	7.719	0	%100
74	MP1A	Z	-4.457	-4.457	0	%100
75	MP5B	X	7.719	7.719	0	%100
76	MP5B	Z	-4.457	-4.457	0	%100
77	MP1C	X	7.719	7.719	0	%100
78	MP1C	Z	-4.457	-4.457	0	%100
79	MP3A	X	7.719	7.719	0	%100
80	MP3A	Z	-4.457	-4.457	0	%100
81	MP4A	X	7.719	7.719	0	%100
82	MP4A	Z	-4.457	-4.457	0	%100
83	MP2A	X	7.719	7.719	0	%100
84	MP2A	Z	-4.457	-4.457	0	%100
85	M90B	X	7.719	7.719	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,%]
86	M90B	Z	-4.457	-4.457	0	%100
87	MP4C	X	7.719	7.719	0	%100
88	MP4C	Z	-4.457	-4.457	0	%100
89	MP2C	X	7.719	7.719	0	%100
90	MP2C	Z	-4.457	-4.457	0	%100
91	MP3B	X	7.719	7.719	0	%100
92	MP3B	Z	-4.457	-4.457	0	%100
93	MP4B	X	7.719	7.719	0	%100
94	MP4B	Z	-4.457	-4.457	0	%100
95	MP2B	X	7.719	7.719	0	%100
96	MP2B	Z	-4.457	-4.457	0	%100
97	M106	X	13.179	13.179	0	%100
98	M106	Z	-7.609	-7.609	0	%100
99	M107	X	12.088	12.088	0	%100
100	M107	Z	-6.979	-6.979	0	%100
101	M108	X	13.179	13.179	0	%100
102	M108	Z	-7.609	-7.609	0	%100
103	M109	X	11.543	11.543	0	%100
104	M109	Z	-6.664	-6.664	0	%100
105	M110	X	6.017	6.017	0	%100
106	M110	Z	-3.474	-3.474	0	%100
107	M111	X	11.543	11.543	0	%100
108	M111	Z	-6.664	-6.664	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M76	X	15.101	15.101	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	23.457	23.457	0	%100
6	M87	Z	0	0	0	%100
7	M88	X	23.457	23.457	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	1.407	1.407	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	1.407	1.407	0	%100
12	M102	Z	0	0	0	%100
13	M103	X	0	0	0	%100
14	M103	Z	0	0	0	%100
15	M104	X	3.775	3.775	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	3.775	3.775	0	%100
18	M105	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	0	0	0	%100
23	M52	X	8.54	8.54	0	%100
24	M52	Z	0	0	0	%100
25	M53	X	7.428	7.428	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	7.428	7.428	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	7.428	7.428	0	%100
30	M55	Z	0	0	0	%100
31	MP3C	X	7.428	7.428	0	%100
32	MP3C	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,%]
33	M57	X	7.428	7.428	0	%100
34	M57	Z	0	0	0	%100
35	M58	X	7.428	7.428	0	%100
36	M58	Z	0	0	0	%100
37	M59	X	8.54	8.54	0	%100
38	M59	Z	0	0	0	%100
39	M60	X	8.54	8.54	0	%100
40	M60	Z	0	0	0	%100
41	M57A	X	14.074	14.074	0	%100
42	M57A	Z	0	0	0	%100
43	M58A	X	14.074	14.074	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	14.074	14.074	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	14.074	14.074	0	%100
48	M60A	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M65	X	21.896	21.896	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	21.896	21.896	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	7.428	7.428	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	7.428	7.428	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	7.428	7.428	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	7.428	7.428	0	%100
62	M70	Z	0	0	0	%100
63	M71	X	7.428	7.428	0	%100
64	M71	Z	0	0	0	%100
65	M72	X	7.428	7.428	0	%100
66	M72	Z	0	0	0	%100
67	MP5A	X	8.913	8.913	0	%100
68	MP5A	Z	0	0	0	%100
69	MP1B	X	8.913	8.913	0	%100
70	MP1B	Z	0	0	0	%100
71	MP5C	X	8.913	8.913	0	%100
72	MP5C	Z	0	0	0	%100
73	MP1A	X	8.913	8.913	0	%100
74	MP1A	Z	0	0	0	%100
75	MP5B	X	8.913	8.913	0	%100
76	MP5B	Z	0	0	0	%100
77	MP1C	X	8.913	8.913	0	%100
78	MP1C	Z	0	0	0	%100
79	MP3A	X	8.913	8.913	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	8.913	8.913	0	%100
82	MP4A	Z	0	0	0	%100
83	MP2A	X	8.913	8.913	0	%100
84	MP2A	Z	0	0	0	%100
85	M90B	X	8.913	8.913	0	%100
86	M90B	Z	0	0	0	%100
87	MP4C	X	8.913	8.913	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	8.913	8.913	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3B	X	8.913	8.913	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,%]
92	MP3B	Z	0	0	0	%100
93	MP4B	X	8.913	8.913	0	%100
94	MP4B	Z	0	0	0	%100
95	MP2B	X	8.913	8.913	0	%100
96	MP2B	Z	0	0	0	%100
97	M106	X	15.638	15.638	0	%100
98	M106	Z	0	0	0	%100
99	M107	X	14.378	14.378	0	%100
100	M107	Z	0	0	0	%100
101	M108	X	14.378	14.378	0	%100
102	M108	Z	0	0	0	%100
103	M109	X	15.455	15.455	0	%100
104	M109	Z	0	0	0	%100
105	M110	X	9.075	9.075	0	%100
106	M110	Z	0	0	0	%100
107	M111	X	9.075	9.075	0	%100
108	M111	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	M73	X	6.771	6.771	0	%100
2	M73	Z	3.909	3.909	0	%100
3	M76	X	9.808	9.808	0	%100
4	M76	Z	5.663	5.663	0	%100
5	M87	X	27.085	27.085	0	%100
6	M87	Z	15.638	15.638	0	%100
7	M88	X	6.771	6.771	0	%100
8	M88	Z	3.909	3.909	0	%100
9	M101	X	.406	.406	0	%100
10	M101	Z	.235	.235	0	%100
11	M102	X	1.625	1.625	0	%100
12	M102	Z	.938	.938	0	%100
13	M103	X	.406	.406	0	%100
14	M103	Z	.235	.235	0	%100
15	M104	X	9.808	9.808	0	%100
16	M104	Z	5.663	5.663	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	0	0	0	%100
19	M34	X	4.063	4.063	0	%100
20	M34	Z	2.346	2.346	0	%100
21	M43	X	4.063	4.063	0	%100
22	M43	Z	2.346	2.346	0	%100
23	M52	X	7.396	7.396	0	%100
24	M52	Z	4.27	4.27	0	%100
25	M53	X	6.433	6.433	0	%100
26	M53	Z	3.714	3.714	0	%100
27	M54	X	6.433	6.433	0	%100
28	M54	Z	3.714	3.714	0	%100
29	M55	X	6.433	6.433	0	%100
30	M55	Z	3.714	3.714	0	%100
31	MP3C	X	6.433	6.433	0	%100
32	MP3C	Z	3.714	3.714	0	%100
33	M57	X	6.433	6.433	0	%100
34	M57	Z	3.714	3.714	0	%100
35	M58	X	6.433	6.433	0	%100
36	M58	Z	3.714	3.714	0	%100
37	M59	X	7.396	7.396	0	%100
38	M59	Z	4.27	4.27	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,%]
39	M60	X	7.396	7.396	0	%100
40	M60	Z	4.27	4.27	0	%100
41	M57A	X	4.063	4.063	0	%100
42	M57A	Z	2.346	2.346	0	%100
43	M58A	X	4.063	4.063	0	%100
44	M58A	Z	2.346	2.346	0	%100
45	M59A	X	16.251	16.251	0	%100
46	M59A	Z	9.383	9.383	0	%100
47	M60A	X	16.251	16.251	0	%100
48	M60A	Z	9.383	9.383	0	%100
49	M63	X	5.736	5.736	0	%100
50	M63	Z	3.312	3.312	0	%100
51	M65	X	14.222	14.222	0	%100
52	M65	Z	8.211	8.211	0	%100
53	M66	X	14.222	14.222	0	%100
54	M66	Z	8.211	8.211	0	%100
55	M67	X	6.433	6.433	0	%100
56	M67	Z	3.714	3.714	0	%100
57	M68	X	6.433	6.433	0	%100
58	M68	Z	3.714	3.714	0	%100
59	M69	X	6.433	6.433	0	%100
60	M69	Z	3.714	3.714	0	%100
61	M70	X	6.433	6.433	0	%100
62	M70	Z	3.714	3.714	0	%100
63	M71	X	6.433	6.433	0	%100
64	M71	Z	3.714	3.714	0	%100
65	M72	X	6.433	6.433	0	%100
66	M72	Z	3.714	3.714	0	%100
67	MP5A	X	7.719	7.719	0	%100
68	MP5A	Z	4.457	4.457	0	%100
69	MP1B	X	7.719	7.719	0	%100
70	MP1B	Z	4.457	4.457	0	%100
71	MP5C	X	7.719	7.719	0	%100
72	MP5C	Z	4.457	4.457	0	%100
73	MP1A	X	7.719	7.719	0	%100
74	MP1A	Z	4.457	4.457	0	%100
75	MP5B	X	7.719	7.719	0	%100
76	MP5B	Z	4.457	4.457	0	%100
77	MP1C	X	7.719	7.719	0	%100
78	MP1C	Z	4.457	4.457	0	%100
79	MP3A	X	7.719	7.719	0	%100
80	MP3A	Z	4.457	4.457	0	%100
81	MP4A	X	7.719	7.719	0	%100
82	MP4A	Z	4.457	4.457	0	%100
83	MP2A	X	7.719	7.719	0	%100
84	MP2A	Z	4.457	4.457	0	%100
85	M90B	X	7.719	7.719	0	%100
86	M90B	Z	4.457	4.457	0	%100
87	MP4C	X	7.719	7.719	0	%100
88	MP4C	Z	4.457	4.457	0	%100
89	MP2C	X	7.719	7.719	0	%100
90	MP2C	Z	4.457	4.457	0	%100
91	MP3B	X	7.719	7.719	0	%100
92	MP3B	Z	4.457	4.457	0	%100
93	MP4B	X	7.719	7.719	0	%100
94	MP4B	Z	4.457	4.457	0	%100
95	MP2B	X	7.719	7.719	0	%100
96	MP2B	Z	4.457	4.457	0	%100
97	M106	X	13.179	13.179	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,%]
98	M106	Z	7.609	7.609	0	%100
99	M107	X	13.179	13.179	0	%100
100	M107	Z	7.609	7.609	0	%100
101	M108	X	12.088	12.088	0	%100
102	M108	Z	6.979	6.979	0	%100
103	M109	X	11.543	11.543	0	%100
104	M109	Z	6.664	6.664	0	%100
105	M110	X	11.543	11.543	0	%100
106	M110	Z	6.664	6.664	0	%100
107	M111	X	6.017	6.017	0	%100
108	M111	Z	3.474	3.474	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	M73	X	11.728	11.728	0	%100
2	M73	Z	20.314	20.314	0	%100
3	M76	X	1.888	1.888	0	%100
4	M76	Z	3.269	3.269	0	%100
5	M87	X	11.728	11.728	0	%100
6	M87	Z	20.314	20.314	0	%100
7	M88	X	0	0	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	.704	.704	0	%100
12	M102	Z	1.219	1.219	0	%100
13	M103	X	.704	.704	0	%100
14	M103	Z	1.219	1.219	0	%100
15	M104	X	7.55	7.55	0	%100
16	M104	Z	13.078	13.078	0	%100
17	M105	X	1.888	1.888	0	%100
18	M105	Z	3.269	3.269	0	%100
19	M34	X	7.037	7.037	0	%100
20	M34	Z	12.188	12.188	0	%100
21	M43	X	7.037	7.037	0	%100
22	M43	Z	12.188	12.188	0	%100
23	M52	X	4.27	4.27	0	%100
24	M52	Z	7.396	7.396	0	%100
25	M53	X	3.714	3.714	0	%100
26	M53	Z	6.433	6.433	0	%100
27	M54	X	3.714	3.714	0	%100
28	M54	Z	6.433	6.433	0	%100
29	M55	X	3.714	3.714	0	%100
30	M55	Z	6.433	6.433	0	%100
31	MP3C	X	3.714	3.714	0	%100
32	MP3C	Z	6.433	6.433	0	%100
33	M57	X	3.714	3.714	0	%100
34	M57	Z	6.433	6.433	0	%100
35	M58	X	3.714	3.714	0	%100
36	M58	Z	6.433	6.433	0	%100
37	M59	X	4.27	4.27	0	%100
38	M59	Z	7.396	7.396	0	%100
39	M60	X	4.27	4.27	0	%100
40	M60	Z	7.396	7.396	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	0	0	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
45	M59A	X	7.037	7.037	0	%100
46	M59A	Z	12.188	12.188	0	%100
47	M60A	X	7.037	7.037	0	%100
48	M60A	Z	12.188	12.188	0	%100
49	M63	X	9.935	9.935	0	%100
50	M63	Z	17.208	17.208	0	%100
51	M65	X	2.737	2.737	0	%100
52	M65	Z	4.741	4.741	0	%100
53	M66	X	2.737	2.737	0	%100
54	M66	Z	4.741	4.741	0	%100
55	M67	X	3.714	3.714	0	%100
56	M67	Z	6.433	6.433	0	%100
57	M68	X	3.714	3.714	0	%100
58	M68	Z	6.433	6.433	0	%100
59	M69	X	3.714	3.714	0	%100
60	M69	Z	6.433	6.433	0	%100
61	M70	X	3.714	3.714	0	%100
62	M70	Z	6.433	6.433	0	%100
63	M71	X	3.714	3.714	0	%100
64	M71	Z	6.433	6.433	0	%100
65	M72	X	3.714	3.714	0	%100
66	M72	Z	6.433	6.433	0	%100
67	MP5A	X	4.457	4.457	0	%100
68	MP5A	Z	7.719	7.719	0	%100
69	MP1B	X	4.457	4.457	0	%100
70	MP1B	Z	7.719	7.719	0	%100
71	MP5C	X	4.457	4.457	0	%100
72	MP5C	Z	7.719	7.719	0	%100
73	MP1A	X	4.457	4.457	0	%100
74	MP1A	Z	7.719	7.719	0	%100
75	MP5B	X	4.457	4.457	0	%100
76	MP5B	Z	7.719	7.719	0	%100
77	MP1C	X	4.457	4.457	0	%100
78	MP1C	Z	7.719	7.719	0	%100
79	MP3A	X	4.457	4.457	0	%100
80	MP3A	Z	7.719	7.719	0	%100
81	MP4A	X	4.457	4.457	0	%100
82	MP4A	Z	7.719	7.719	0	%100
83	MP2A	X	4.457	4.457	0	%100
84	MP2A	Z	7.719	7.719	0	%100
85	M90B	X	4.457	4.457	0	%100
86	M90B	Z	7.719	7.719	0	%100
87	MP4C	X	4.457	4.457	0	%100
88	MP4C	Z	7.719	7.719	0	%100
89	MP2C	X	4.457	4.457	0	%100
90	MP2C	Z	7.719	7.719	0	%100
91	MP3B	X	4.457	4.457	0	%100
92	MP3B	Z	7.719	7.719	0	%100
93	MP4B	X	4.457	4.457	0	%100
94	MP4B	Z	7.719	7.719	0	%100
95	MP2B	X	4.457	4.457	0	%100
96	MP2B	Z	7.719	7.719	0	%100
97	M106	X	7.189	7.189	0	%100
98	M106	Z	12.451	12.451	0	%100
99	M107	X	7.819	7.819	0	%100
100	M107	Z	13.543	13.543	0	%100
101	M108	X	7.189	7.189	0	%100
102	M108	Z	12.451	12.451	0	%100
103	M109	X	4.538	4.538	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,%]
104	M109	Z	7.859	7.859	0	%100
105	M110	X	7.728	7.728	0	%100
106	M110	Z	13.385	13.385	0	%100
107	M111	X	4.538	4.538	0	%100
108	M111	Z	7.859	7.859	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	M73	X	0	0	0	%100
2	M73	Z	31.275	31.275	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	7.819	7.819	0	%100
7	M88	X	0	0	0	%100
8	M88	Z	7.819	7.819	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	.469	.469	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	.469	.469	0	%100
13	M103	X	0	0	0	%100
14	M103	Z	1.877	1.877	0	%100
15	M104	X	0	0	0	%100
16	M104	Z	11.326	11.326	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	11.326	11.326	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	18.765	18.765	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	18.765	18.765	0	%100
23	M52	X	0	0	0	%100
24	M52	Z	8.54	8.54	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	7.428	7.428	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	7.428	7.428	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	7.428	7.428	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	7.428	7.428	0	%100
33	M57	X	0	0	0	%100
34	M57	Z	7.428	7.428	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	7.428	7.428	0	%100
37	M59	X	0	0	0	%100
38	M59	Z	8.54	8.54	0	%100
39	M60	X	0	0	0	%100
40	M60	Z	8.54	8.54	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	4.691	4.691	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	4.691	4.691	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	4.691	4.691	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	4.691	4.691	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	26.494	26.494	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M65	X	0	0	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	0	0	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	7.428	7.428	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	7.428	7.428	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	7.428	7.428	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	7.428	7.428	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	7.428	7.428	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	7.428	7.428	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	8.913	8.913	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	8.913	8.913	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	8.913	8.913	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	8.913	8.913	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	8.913	8.913	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	8.913	8.913	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	8.913	8.913	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	8.913	8.913	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	8.913	8.913	0	%100
85	M90B	X	0	0	0	%100
86	M90B	Z	8.913	8.913	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	8.913	8.913	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	8.913	8.913	0	%100
91	MP3B	X	0	0	0	%100
92	MP3B	Z	8.913	8.913	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	8.913	8.913	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	8.913	8.913	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	13.957	13.957	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	15.218	15.218	0	%100
101	M108	X	0	0	0	%100
102	M108	Z	15.218	15.218	0	%100
103	M109	X	0	0	0	%100
104	M109	Z	6.948	6.948	0	%100
105	M110	X	0	0	0	%100
106	M110	Z	13.329	13.329	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	13.329	13.329	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	M73	X	-11.728	-11.728	0	%100
2	M73	Z	20.314	20.314	0	%100
3	M76	X	-1.888	-1.888	0	%100
4	M76	Z	3.269	3.269	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M88	X	-11.728	-11.728	0	%100
8	M88	Z	20.314	20.314	0	%100
9	M101	X	-.704	-.704	0	%100
10	M101	Z	1.219	1.219	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	0	0	0	%100
13	M103	X	-.704	-.704	0	%100
14	M103	Z	1.219	1.219	0	%100
15	M104	X	-1.888	-1.888	0	%100
16	M104	Z	3.269	3.269	0	%100
17	M105	X	-7.55	-7.55	0	%100
18	M105	Z	13.078	13.078	0	%100
19	M34	X	-7.037	-7.037	0	%100
20	M34	Z	12.188	12.188	0	%100
21	M43	X	-7.037	-7.037	0	%100
22	M43	Z	12.188	12.188	0	%100
23	M52	X	-4.27	-4.27	0	%100
24	M52	Z	7.396	7.396	0	%100
25	M53	X	-3.714	-3.714	0	%100
26	M53	Z	6.433	6.433	0	%100
27	M54	X	-3.714	-3.714	0	%100
28	M54	Z	6.433	6.433	0	%100
29	M55	X	-3.714	-3.714	0	%100
30	M55	Z	6.433	6.433	0	%100
31	MP3C	X	-3.714	-3.714	0	%100
32	MP3C	Z	6.433	6.433	0	%100
33	M57	X	-3.714	-3.714	0	%100
34	M57	Z	6.433	6.433	0	%100
35	M58	X	-3.714	-3.714	0	%100
36	M58	Z	6.433	6.433	0	%100
37	M59	X	-4.27	-4.27	0	%100
38	M59	Z	7.396	7.396	0	%100
39	M60	X	-4.27	-4.27	0	%100
40	M60	Z	7.396	7.396	0	%100
41	M57A	X	-7.037	-7.037	0	%100
42	M57A	Z	12.188	12.188	0	%100
43	M58A	X	-7.037	-7.037	0	%100
44	M58A	Z	12.188	12.188	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	0	0	0	%100
49	M63	X	-9.935	-9.935	0	%100
50	M63	Z	17.208	17.208	0	%100
51	M65	X	-2.737	-2.737	0	%100
52	M65	Z	4.741	4.741	0	%100
53	M66	X	-2.737	-2.737	0	%100
54	M66	Z	4.741	4.741	0	%100
55	M67	X	-3.714	-3.714	0	%100
56	M67	Z	6.433	6.433	0	%100
57	M68	X	-3.714	-3.714	0	%100
58	M68	Z	6.433	6.433	0	%100
59	M69	X	-3.714	-3.714	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,%]
60	M69	Z	6.433	6.433	0	%100
61	M70	X	-3.714	-3.714	0	%100
62	M70	Z	6.433	6.433	0	%100
63	M71	X	-3.714	-3.714	0	%100
64	M71	Z	6.433	6.433	0	%100
65	M72	X	-3.714	-3.714	0	%100
66	M72	Z	6.433	6.433	0	%100
67	MP5A	X	-4.457	-4.457	0	%100
68	MP5A	Z	7.719	7.719	0	%100
69	MP1B	X	-4.457	-4.457	0	%100
70	MP1B	Z	7.719	7.719	0	%100
71	MP5C	X	-4.457	-4.457	0	%100
72	MP5C	Z	7.719	7.719	0	%100
73	MP1A	X	-4.457	-4.457	0	%100
74	MP1A	Z	7.719	7.719	0	%100
75	MP5B	X	-4.457	-4.457	0	%100
76	MP5B	Z	7.719	7.719	0	%100
77	MP1C	X	-4.457	-4.457	0	%100
78	MP1C	Z	7.719	7.719	0	%100
79	MP3A	X	-4.457	-4.457	0	%100
80	MP3A	Z	7.719	7.719	0	%100
81	MP4A	X	-4.457	-4.457	0	%100
82	MP4A	Z	7.719	7.719	0	%100
83	MP2A	X	-4.457	-4.457	0	%100
84	MP2A	Z	7.719	7.719	0	%100
85	M90B	X	-4.457	-4.457	0	%100
86	M90B	Z	7.719	7.719	0	%100
87	MP4C	X	-4.457	-4.457	0	%100
88	MP4C	Z	7.719	7.719	0	%100
89	MP2C	X	-4.457	-4.457	0	%100
90	MP2C	Z	7.719	7.719	0	%100
91	MP3B	X	-4.457	-4.457	0	%100
92	MP3B	Z	7.719	7.719	0	%100
93	MP4B	X	-4.457	-4.457	0	%100
94	MP4B	Z	7.719	7.719	0	%100
95	MP2B	X	-4.457	-4.457	0	%100
96	MP2B	Z	7.719	7.719	0	%100
97	M106	X	-7.189	-7.189	0	%100
98	M106	Z	12.451	12.451	0	%100
99	M107	X	-7.189	-7.189	0	%100
100	M107	Z	12.451	12.451	0	%100
101	M108	X	-7.819	-7.819	0	%100
102	M108	Z	13.543	13.543	0	%100
103	M109	X	-4.538	-4.538	0	%100
104	M109	Z	7.859	7.859	0	%100
105	M110	X	-4.538	-4.538	0	%100
106	M110	Z	7.859	7.859	0	%100
107	M111	X	-7.728	-7.728	0	%100
108	M111	Z	13.385	13.385	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	M73	X	-6.771	-6.771	0	%100
2	M73	Z	3.909	3.909	0	%100
3	M76	X	-9.808	-9.808	0	%100
4	M76	Z	5.663	5.663	0	%100
5	M87	X	-6.771	-6.771	0	%100
6	M87	Z	3.909	3.909	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,%]
7	M88	X	-27.085	-27.085	0	%100
8	M88	Z	15.638	15.638	0	%100
9	M101	X	-1.625	-1.625	0	%100
10	M101	Z	.938	.938	0	%100
11	M102	X	-.406	-.406	0	%100
12	M102	Z	.235	.235	0	%100
13	M103	X	-.406	-.406	0	%100
14	M103	Z	.235	.235	0	%100
15	M104	X	0	0	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	-9.808	-9.808	0	%100
18	M105	Z	5.663	5.663	0	%100
19	M34	X	-4.063	-4.063	0	%100
20	M34	Z	2.346	2.346	0	%100
21	M43	X	-4.063	-4.063	0	%100
22	M43	Z	2.346	2.346	0	%100
23	M52	X	-7.396	-7.396	0	%100
24	M52	Z	4.27	4.27	0	%100
25	M53	X	-6.433	-6.433	0	%100
26	M53	Z	3.714	3.714	0	%100
27	M54	X	-6.433	-6.433	0	%100
28	M54	Z	3.714	3.714	0	%100
29	M55	X	-6.433	-6.433	0	%100
30	M55	Z	3.714	3.714	0	%100
31	MP3C	X	-6.433	-6.433	0	%100
32	MP3C	Z	3.714	3.714	0	%100
33	M57	X	-6.433	-6.433	0	%100
34	M57	Z	3.714	3.714	0	%100
35	M58	X	-6.433	-6.433	0	%100
36	M58	Z	3.714	3.714	0	%100
37	M59	X	-7.396	-7.396	0	%100
38	M59	Z	4.27	4.27	0	%100
39	M60	X	-7.396	-7.396	0	%100
40	M60	Z	4.27	4.27	0	%100
41	M57A	X	-16.251	-16.251	0	%100
42	M57A	Z	9.383	9.383	0	%100
43	M58A	X	-16.251	-16.251	0	%100
44	M58A	Z	9.383	9.383	0	%100
45	M59A	X	-4.063	-4.063	0	%100
46	M59A	Z	2.346	2.346	0	%100
47	M60A	X	-4.063	-4.063	0	%100
48	M60A	Z	2.346	2.346	0	%100
49	M63	X	-5.736	-5.736	0	%100
50	M63	Z	3.312	3.312	0	%100
51	M65	X	-14.222	-14.222	0	%100
52	M65	Z	8.211	8.211	0	%100
53	M66	X	-14.222	-14.222	0	%100
54	M66	Z	8.211	8.211	0	%100
55	M67	X	-6.433	-6.433	0	%100
56	M67	Z	3.714	3.714	0	%100
57	M68	X	-6.433	-6.433	0	%100
58	M68	Z	3.714	3.714	0	%100
59	M69	X	-6.433	-6.433	0	%100
60	M69	Z	3.714	3.714	0	%100
61	M70	X	-6.433	-6.433	0	%100
62	M70	Z	3.714	3.714	0	%100
63	M71	X	-6.433	-6.433	0	%100
64	M71	Z	3.714	3.714	0	%100
65	M72	X	-6.433	-6.433	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,%]
66	M72	Z	3.714	3.714	0	%100
67	MP5A	X	-7.719	-7.719	0	%100
68	MP5A	Z	4.457	4.457	0	%100
69	MP1B	X	-7.719	-7.719	0	%100
70	MP1B	Z	4.457	4.457	0	%100
71	MP5C	X	-7.719	-7.719	0	%100
72	MP5C	Z	4.457	4.457	0	%100
73	MP1A	X	-7.719	-7.719	0	%100
74	MP1A	Z	4.457	4.457	0	%100
75	MP5B	X	-7.719	-7.719	0	%100
76	MP5B	Z	4.457	4.457	0	%100
77	MP1C	X	-7.719	-7.719	0	%100
78	MP1C	Z	4.457	4.457	0	%100
79	MP3A	X	-7.719	-7.719	0	%100
80	MP3A	Z	4.457	4.457	0	%100
81	MP4A	X	-7.719	-7.719	0	%100
82	MP4A	Z	4.457	4.457	0	%100
83	MP2A	X	-7.719	-7.719	0	%100
84	MP2A	Z	4.457	4.457	0	%100
85	M90B	X	-7.719	-7.719	0	%100
86	M90B	Z	4.457	4.457	0	%100
87	MP4C	X	-7.719	-7.719	0	%100
88	MP4C	Z	4.457	4.457	0	%100
89	MP2C	X	-7.719	-7.719	0	%100
90	MP2C	Z	4.457	4.457	0	%100
91	MP3B	X	-7.719	-7.719	0	%100
92	MP3B	Z	4.457	4.457	0	%100
93	MP4B	X	-7.719	-7.719	0	%100
94	MP4B	Z	4.457	4.457	0	%100
95	MP2B	X	-7.719	-7.719	0	%100
96	MP2B	Z	4.457	4.457	0	%100
97	M106	X	-13.179	-13.179	0	%100
98	M106	Z	7.609	7.609	0	%100
99	M107	X	-12.088	-12.088	0	%100
100	M107	Z	6.979	6.979	0	%100
101	M108	X	-13.179	-13.179	0	%100
102	M108	Z	7.609	7.609	0	%100
103	M109	X	-11.543	-11.543	0	%100
104	M109	Z	6.664	6.664	0	%100
105	M110	X	-6.017	-6.017	0	%100
106	M110	Z	3.474	3.474	0	%100
107	M111	X	-11.543	-11.543	0	%100
108	M111	Z	6.664	6.664	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M76	X	-15.101	-15.101	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	-23.457	-23.457	0	%100
6	M87	Z	0	0	0	%100
7	M88	X	-23.457	-23.457	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	-1.407	-1.407	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	-1.407	-1.407	0	%100
12	M102	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,%]
13	M103	X	0	0	0	%100
14	M103	Z	0	0	0	%100
15	M104	X	-3.775	-3.775	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	-3.775	-3.775	0	%100
18	M105	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	0	0	0	%100
23	M52	X	-8.54	-8.54	0	%100
24	M52	Z	0	0	0	%100
25	M53	X	-7.428	-7.428	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	-7.428	-7.428	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-7.428	-7.428	0	%100
30	M55	Z	0	0	0	%100
31	MP3C	X	-7.428	-7.428	0	%100
32	MP3C	Z	0	0	0	%100
33	M57	X	-7.428	-7.428	0	%100
34	M57	Z	0	0	0	%100
35	M58	X	-7.428	-7.428	0	%100
36	M58	Z	0	0	0	%100
37	M59	X	-8.54	-8.54	0	%100
38	M59	Z	0	0	0	%100
39	M60	X	-8.54	-8.54	0	%100
40	M60	Z	0	0	0	%100
41	M57A	X	-14.074	-14.074	0	%100
42	M57A	Z	0	0	0	%100
43	M58A	X	-14.074	-14.074	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-14.074	-14.074	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	-14.074	-14.074	0	%100
48	M60A	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M65	X	-21.896	-21.896	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	-21.896	-21.896	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	-7.428	-7.428	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	-7.428	-7.428	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	-7.428	-7.428	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	-7.428	-7.428	0	%100
62	M70	Z	0	0	0	%100
63	M71	X	-7.428	-7.428	0	%100
64	M71	Z	0	0	0	%100
65	M72	X	-7.428	-7.428	0	%100
66	M72	Z	0	0	0	%100
67	MP5A	X	-8.913	-8.913	0	%100
68	MP5A	Z	0	0	0	%100
69	MP1B	X	-8.913	-8.913	0	%100
70	MP1B	Z	0	0	0	%100
71	MP5C	X	-8.913	-8.913	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,%]
72	MP5C	Z	0	0	0	%100
73	MP1A	X	-8.913	-8.913	0	%100
74	MP1A	Z	0	0	0	%100
75	MP5B	X	-8.913	-8.913	0	%100
76	MP5B	Z	0	0	0	%100
77	MP1C	X	-8.913	-8.913	0	%100
78	MP1C	Z	0	0	0	%100
79	MP3A	X	-8.913	-8.913	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-8.913	-8.913	0	%100
82	MP4A	Z	0	0	0	%100
83	MP2A	X	-8.913	-8.913	0	%100
84	MP2A	Z	0	0	0	%100
85	M90B	X	-8.913	-8.913	0	%100
86	M90B	Z	0	0	0	%100
87	MP4C	X	-8.913	-8.913	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-8.913	-8.913	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3B	X	-8.913	-8.913	0	%100
92	MP3B	Z	0	0	0	%100
93	MP4B	X	-8.913	-8.913	0	%100
94	MP4B	Z	0	0	0	%100
95	MP2B	X	-8.913	-8.913	0	%100
96	MP2B	Z	0	0	0	%100
97	M106	X	-15.638	-15.638	0	%100
98	M106	Z	0	0	0	%100
99	M107	X	-14.378	-14.378	0	%100
100	M107	Z	0	0	0	%100
101	M108	X	-14.378	-14.378	0	%100
102	M108	Z	0	0	0	%100
103	M109	X	-15.455	-15.455	0	%100
104	M109	Z	0	0	0	%100
105	M110	X	-9.075	-9.075	0	%100
106	M110	Z	0	0	0	%100
107	M111	X	-9.075	-9.075	0	%100
108	M111	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	M73	X	-6.771	-6.771	0	%100
2	M73	Z	-3.909	-3.909	0	%100
3	M76	X	-9.808	-9.808	0	%100
4	M76	Z	-5.663	-5.663	0	%100
5	M87	X	-27.085	-27.085	0	%100
6	M87	Z	-15.638	-15.638	0	%100
7	M88	X	-6.771	-6.771	0	%100
8	M88	Z	-3.909	-3.909	0	%100
9	M101	X	-.406	-.406	0	%100
10	M101	Z	-.235	-.235	0	%100
11	M102	X	-1.625	-1.625	0	%100
12	M102	Z	-.938	-.938	0	%100
13	M103	X	-.406	-.406	0	%100
14	M103	Z	-.235	-.235	0	%100
15	M104	X	-9.808	-9.808	0	%100
16	M104	Z	-5.663	-5.663	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
19	M34	X	-4.063	-4.063	0	%100
20	M34	Z	-2.346	-2.346	0	%100
21	M43	X	-4.063	-4.063	0	%100
22	M43	Z	-2.346	-2.346	0	%100
23	M52	X	-7.396	-7.396	0	%100
24	M52	Z	-4.27	-4.27	0	%100
25	M53	X	-6.433	-6.433	0	%100
26	M53	Z	-3.714	-3.714	0	%100
27	M54	X	-6.433	-6.433	0	%100
28	M54	Z	-3.714	-3.714	0	%100
29	M55	X	-6.433	-6.433	0	%100
30	M55	Z	-3.714	-3.714	0	%100
31	MP3C	X	-6.433	-6.433	0	%100
32	MP3C	Z	-3.714	-3.714	0	%100
33	M57	X	-6.433	-6.433	0	%100
34	M57	Z	-3.714	-3.714	0	%100
35	M58	X	-6.433	-6.433	0	%100
36	M58	Z	-3.714	-3.714	0	%100
37	M59	X	-7.396	-7.396	0	%100
38	M59	Z	-4.27	-4.27	0	%100
39	M60	X	-7.396	-7.396	0	%100
40	M60	Z	-4.27	-4.27	0	%100
41	M57A	X	-4.063	-4.063	0	%100
42	M57A	Z	-2.346	-2.346	0	%100
43	M58A	X	-4.063	-4.063	0	%100
44	M58A	Z	-2.346	-2.346	0	%100
45	M59A	X	-16.251	-16.251	0	%100
46	M59A	Z	-9.383	-9.383	0	%100
47	M60A	X	-16.251	-16.251	0	%100
48	M60A	Z	-9.383	-9.383	0	%100
49	M63	X	-5.736	-5.736	0	%100
50	M63	Z	-3.312	-3.312	0	%100
51	M65	X	-14.222	-14.222	0	%100
52	M65	Z	-8.211	-8.211	0	%100
53	M66	X	-14.222	-14.222	0	%100
54	M66	Z	-8.211	-8.211	0	%100
55	M67	X	-6.433	-6.433	0	%100
56	M67	Z	-3.714	-3.714	0	%100
57	M68	X	-6.433	-6.433	0	%100
58	M68	Z	-3.714	-3.714	0	%100
59	M69	X	-6.433	-6.433	0	%100
60	M69	Z	-3.714	-3.714	0	%100
61	M70	X	-6.433	-6.433	0	%100
62	M70	Z	-3.714	-3.714	0	%100
63	M71	X	-6.433	-6.433	0	%100
64	M71	Z	-3.714	-3.714	0	%100
65	M72	X	-6.433	-6.433	0	%100
66	M72	Z	-3.714	-3.714	0	%100
67	MP5A	X	-7.719	-7.719	0	%100
68	MP5A	Z	-4.457	-4.457	0	%100
69	MP1B	X	-7.719	-7.719	0	%100
70	MP1B	Z	-4.457	-4.457	0	%100
71	MP5C	X	-7.719	-7.719	0	%100
72	MP5C	Z	-4.457	-4.457	0	%100
73	MP1A	X	-7.719	-7.719	0	%100
74	MP1A	Z	-4.457	-4.457	0	%100
75	MP5B	X	-7.719	-7.719	0	%100
76	MP5B	Z	-4.457	-4.457	0	%100
77	MP1C	X	-7.719	-7.719	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,%]
78	MP1C	Z	-4.457	-4.457	0	%100
79	MP3A	X	-7.719	-7.719	0	%100
80	MP3A	Z	-4.457	-4.457	0	%100
81	MP4A	X	-7.719	-7.719	0	%100
82	MP4A	Z	-4.457	-4.457	0	%100
83	MP2A	X	-7.719	-7.719	0	%100
84	MP2A	Z	-4.457	-4.457	0	%100
85	M90B	X	-7.719	-7.719	0	%100
86	M90B	Z	-4.457	-4.457	0	%100
87	MP4C	X	-7.719	-7.719	0	%100
88	MP4C	Z	-4.457	-4.457	0	%100
89	MP2C	X	-7.719	-7.719	0	%100
90	MP2C	Z	-4.457	-4.457	0	%100
91	MP3B	X	-7.719	-7.719	0	%100
92	MP3B	Z	-4.457	-4.457	0	%100
93	MP4B	X	-7.719	-7.719	0	%100
94	MP4B	Z	-4.457	-4.457	0	%100
95	MP2B	X	-7.719	-7.719	0	%100
96	MP2B	Z	-4.457	-4.457	0	%100
97	M106	X	-13.179	-13.179	0	%100
98	M106	Z	-7.609	-7.609	0	%100
99	M107	X	-13.179	-13.179	0	%100
100	M107	Z	-7.609	-7.609	0	%100
101	M108	X	-12.088	-12.088	0	%100
102	M108	Z	-6.979	-6.979	0	%100
103	M109	X	-11.543	-11.543	0	%100
104	M109	Z	-6.664	-6.664	0	%100
105	M110	X	-11.543	-11.543	0	%100
106	M110	Z	-6.664	-6.664	0	%100
107	M111	X	-6.017	-6.017	0	%100
108	M111	Z	-3.474	-3.474	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	M73	X	-11.728	-11.728	0	%100
2	M73	Z	-20.314	-20.314	0	%100
3	M76	X	-1.888	-1.888	0	%100
4	M76	Z	-3.269	-3.269	0	%100
5	M87	X	-11.728	-11.728	0	%100
6	M87	Z	-20.314	-20.314	0	%100
7	M88	X	0	0	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	-.704	-.704	0	%100
12	M102	Z	-1.219	-1.219	0	%100
13	M103	X	-.704	-.704	0	%100
14	M103	Z	-1.219	-1.219	0	%100
15	M104	X	-7.55	-7.55	0	%100
16	M104	Z	-13.078	-13.078	0	%100
17	M105	X	-1.888	-1.888	0	%100
18	M105	Z	-3.269	-3.269	0	%100
19	M34	X	-7.037	-7.037	0	%100
20	M34	Z	-12.188	-12.188	0	%100
21	M43	X	-7.037	-7.037	0	%100
22	M43	Z	-12.188	-12.188	0	%100
23	M52	X	-4.27	-4.27	0	%100
24	M52	Z	-7.396	-7.396	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,%]
25	M53	X	-3.714	-3.714	0	%100
26	M53	Z	-6.433	-6.433	0	%100
27	M54	X	-3.714	-3.714	0	%100
28	M54	Z	-6.433	-6.433	0	%100
29	M55	X	-3.714	-3.714	0	%100
30	M55	Z	-6.433	-6.433	0	%100
31	MP3C	X	-3.714	-3.714	0	%100
32	MP3C	Z	-6.433	-6.433	0	%100
33	M57	X	-3.714	-3.714	0	%100
34	M57	Z	-6.433	-6.433	0	%100
35	M58	X	-3.714	-3.714	0	%100
36	M58	Z	-6.433	-6.433	0	%100
37	M59	X	-4.27	-4.27	0	%100
38	M59	Z	-7.396	-7.396	0	%100
39	M60	X	-4.27	-4.27	0	%100
40	M60	Z	-7.396	-7.396	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	0	0	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-7.037	-7.037	0	%100
46	M59A	Z	-12.188	-12.188	0	%100
47	M60A	X	-7.037	-7.037	0	%100
48	M60A	Z	-12.188	-12.188	0	%100
49	M63	X	-9.935	-9.935	0	%100
50	M63	Z	-17.208	-17.208	0	%100
51	M65	X	-2.737	-2.737	0	%100
52	M65	Z	-4.741	-4.741	0	%100
53	M66	X	-2.737	-2.737	0	%100
54	M66	Z	-4.741	-4.741	0	%100
55	M67	X	-3.714	-3.714	0	%100
56	M67	Z	-6.433	-6.433	0	%100
57	M68	X	-3.714	-3.714	0	%100
58	M68	Z	-6.433	-6.433	0	%100
59	M69	X	-3.714	-3.714	0	%100
60	M69	Z	-6.433	-6.433	0	%100
61	M70	X	-3.714	-3.714	0	%100
62	M70	Z	-6.433	-6.433	0	%100
63	M71	X	-3.714	-3.714	0	%100
64	M71	Z	-6.433	-6.433	0	%100
65	M72	X	-3.714	-3.714	0	%100
66	M72	Z	-6.433	-6.433	0	%100
67	MP5A	X	-4.457	-4.457	0	%100
68	MP5A	Z	-7.719	-7.719	0	%100
69	MP1B	X	-4.457	-4.457	0	%100
70	MP1B	Z	-7.719	-7.719	0	%100
71	MP5C	X	-4.457	-4.457	0	%100
72	MP5C	Z	-7.719	-7.719	0	%100
73	MP1A	X	-4.457	-4.457	0	%100
74	MP1A	Z	-7.719	-7.719	0	%100
75	MP5B	X	-4.457	-4.457	0	%100
76	MP5B	Z	-7.719	-7.719	0	%100
77	MP1C	X	-4.457	-4.457	0	%100
78	MP1C	Z	-7.719	-7.719	0	%100
79	MP3A	X	-4.457	-4.457	0	%100
80	MP3A	Z	-7.719	-7.719	0	%100
81	MP4A	X	-4.457	-4.457	0	%100
82	MP4A	Z	-7.719	-7.719	0	%100
83	MP2A	X	-4.457	-4.457	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,%]
84	MP2A	Z	-7.719	-7.719	0	%100
85	M90B	X	-4.457	-4.457	0	%100
86	M90B	Z	-7.719	-7.719	0	%100
87	MP4C	X	-4.457	-4.457	0	%100
88	MP4C	Z	-7.719	-7.719	0	%100
89	MP2C	X	-4.457	-4.457	0	%100
90	MP2C	Z	-7.719	-7.719	0	%100
91	MP3B	X	-4.457	-4.457	0	%100
92	MP3B	Z	-7.719	-7.719	0	%100
93	MP4B	X	-4.457	-4.457	0	%100
94	MP4B	Z	-7.719	-7.719	0	%100
95	MP2B	X	-4.457	-4.457	0	%100
96	MP2B	Z	-7.719	-7.719	0	%100
97	M106	X	-7.189	-7.189	0	%100
98	M106	Z	-12.451	-12.451	0	%100
99	M107	X	-7.819	-7.819	0	%100
100	M107	Z	-13.543	-13.543	0	%100
101	M108	X	-7.189	-7.189	0	%100
102	M108	Z	-12.451	-12.451	0	%100
103	M109	X	-4.538	-4.538	0	%100
104	M109	Z	-7.859	-7.859	0	%100
105	M110	X	-7.728	-7.728	0	%100
106	M110	Z	-13.385	-13.385	0	%100
107	M111	X	-4.538	-4.538	0	%100
108	M111	Z	-7.859	-7.859	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	M73	X	0	0	0	%100
2	M73	Z	-6.401	-6.401	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	-1.6	-1.6	0	%100
7	M88	X	0	0	0	%100
8	M88	Z	-1.6	-1.6	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	-.313	-.313	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	-.313	-.313	0	%100
13	M103	X	0	0	0	%100
14	M103	Z	-1.251	-1.251	0	%100
15	M104	X	0	0	0	%100
16	M104	Z	-2.86	-2.86	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	-2.86	-2.86	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	-4.399	-4.399	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	-4.399	-4.399	0	%100
23	M52	X	0	0	0	%100
24	M52	Z	-2.717	-2.717	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	-2.361	-2.361	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-2.361	-2.361	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	-2.361	-2.361	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,%]
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-2.361	-2.361	0	%100
33	M57	X	0	0	0	%100
34	M57	Z	-2.361	-2.361	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	-2.361	-2.361	0	%100
37	M59	X	0	0	0	%100
38	M59	Z	-2.717	-2.717	0	%100
39	M60	X	0	0	0	%100
40	M60	Z	-2.717	-2.717	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	-1.1	-1.1	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-1.1	-1.1	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-1.1	-1.1	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	-1.1	-1.1	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	-5.636	-5.636	0	%100
51	M65	X	0	0	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	0	0	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	-2.361	-2.361	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-2.361	-2.361	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	-2.361	-2.361	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	-2.361	-2.361	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-2.361	-2.361	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	-2.361	-2.361	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	-2.823	-2.823	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	-2.823	-2.823	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	-2.823	-2.823	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-2.823	-2.823	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	-2.823	-2.823	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	-2.823	-2.823	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-2.823	-2.823	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-2.823	-2.823	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-2.823	-2.823	0	%100
85	M90B	X	0	0	0	%100
86	M90B	Z	-2.823	-2.823	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-2.823	-2.823	0	%100
89	MP2C	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,%]
90	MP2C	Z	-2.823	-2.823	0	%100
91	MP3B	X	0	0	0	%100
92	MP3B	Z	-2.823	-2.823	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-2.823	-2.823	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	-2.823	-2.823	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	-2.916	-2.916	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	-3.653	-3.653	0	%100
101	M108	X	0	0	0	%100
102	M108	Z	-3.653	-3.653	0	%100
103	M109	X	0	0	0	%100
104	M109	Z	-1.665	-1.665	0	%100
105	M110	X	0	0	0	%100
106	M110	Z	-3.194	-3.194	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	-3.194	-3.194	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	M73	X	2.4	2.4	0	%100
2	M73	Z	-4.158	-4.158	0	%100
3	M76	X	.477	.477	0	%100
4	M76	Z	-.826	-.826	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M88	X	2.4	2.4	0	%100
8	M88	Z	-4.158	-4.158	0	%100
9	M101	X	.469	.469	0	%100
10	M101	Z	-.812	-.812	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	0	0	0	%100
13	M103	X	.469	.469	0	%100
14	M103	Z	-.812	-.812	0	%100
15	M104	X	.477	.477	0	%100
16	M104	Z	-.826	-.826	0	%100
17	M105	X	1.906	1.906	0	%100
18	M105	Z	-3.302	-3.302	0	%100
19	M34	X	1.65	1.65	0	%100
20	M34	Z	-2.857	-2.857	0	%100
21	M43	X	1.65	1.65	0	%100
22	M43	Z	-2.857	-2.857	0	%100
23	M52	X	1.359	1.359	0	%100
24	M52	Z	-2.353	-2.353	0	%100
25	M53	X	1.181	1.181	0	%100
26	M53	Z	-2.045	-2.045	0	%100
27	M54	X	1.181	1.181	0	%100
28	M54	Z	-2.045	-2.045	0	%100
29	M55	X	1.181	1.181	0	%100
30	M55	Z	-2.045	-2.045	0	%100
31	MP3C	X	1.181	1.181	0	%100
32	MP3C	Z	-2.045	-2.045	0	%100
33	M57	X	1.181	1.181	0	%100
34	M57	Z	-2.045	-2.045	0	%100
35	M58	X	1.181	1.181	0	%100
36	M58	Z	-2.045	-2.045	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,%]
37	M59	X	1.359	1.359	0	%100
38	M59	Z	-2.353	-2.353	0	%100
39	M60	X	1.359	1.359	0	%100
40	M60	Z	-2.353	-2.353	0	%100
41	M57A	X	1.65	1.65	0	%100
42	M57A	Z	-2.857	-2.857	0	%100
43	M58A	X	1.65	1.65	0	%100
44	M58A	Z	-2.857	-2.857	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	0	0	0	%100
49	M63	X	2.113	2.113	0	%100
50	M63	Z	-3.661	-3.661	0	%100
51	M65	X	.613	.613	0	%100
52	M65	Z	-1.061	-1.061	0	%100
53	M66	X	.613	.613	0	%100
54	M66	Z	-1.061	-1.061	0	%100
55	M67	X	1.181	1.181	0	%100
56	M67	Z	-2.045	-2.045	0	%100
57	M68	X	1.181	1.181	0	%100
58	M68	Z	-2.045	-2.045	0	%100
59	M69	X	1.181	1.181	0	%100
60	M69	Z	-2.045	-2.045	0	%100
61	M70	X	1.181	1.181	0	%100
62	M70	Z	-2.045	-2.045	0	%100
63	M71	X	1.181	1.181	0	%100
64	M71	Z	-2.045	-2.045	0	%100
65	M72	X	1.181	1.181	0	%100
66	M72	Z	-2.045	-2.045	0	%100
67	MP5A	X	1.411	1.411	0	%100
68	MP5A	Z	-2.445	-2.445	0	%100
69	MP1B	X	1.411	1.411	0	%100
70	MP1B	Z	-2.445	-2.445	0	%100
71	MP5C	X	1.411	1.411	0	%100
72	MP5C	Z	-2.445	-2.445	0	%100
73	MP1A	X	1.411	1.411	0	%100
74	MP1A	Z	-2.445	-2.445	0	%100
75	MP5B	X	1.411	1.411	0	%100
76	MP5B	Z	-2.445	-2.445	0	%100
77	MP1C	X	1.411	1.411	0	%100
78	MP1C	Z	-2.445	-2.445	0	%100
79	MP3A	X	1.411	1.411	0	%100
80	MP3A	Z	-2.445	-2.445	0	%100
81	MP4A	X	1.411	1.411	0	%100
82	MP4A	Z	-2.445	-2.445	0	%100
83	MP2A	X	1.411	1.411	0	%100
84	MP2A	Z	-2.445	-2.445	0	%100
85	M90B	X	1.411	1.411	0	%100
86	M90B	Z	-2.445	-2.445	0	%100
87	MP4C	X	1.411	1.411	0	%100
88	MP4C	Z	-2.445	-2.445	0	%100
89	MP2C	X	1.411	1.411	0	%100
90	MP2C	Z	-2.445	-2.445	0	%100
91	MP3B	X	1.411	1.411	0	%100
92	MP3B	Z	-2.445	-2.445	0	%100
93	MP4B	X	1.411	1.411	0	%100
94	MP4B	Z	-2.445	-2.445	0	%100
95	MP2B	X	1.411	1.411	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,%]
96	MP2B	Z	-2.445	-2.445	0	%100
97	M106	X	1.581	1.581	0	%100
98	M106	Z	-2.738	-2.738	0	%100
99	M107	X	1.581	1.581	0	%100
100	M107	Z	-2.738	-2.738	0	%100
101	M108	X	1.949	1.949	0	%100
102	M108	Z	-3.377	-3.377	0	%100
103	M109	X	1.087	1.087	0	%100
104	M109	Z	-1.884	-1.884	0	%100
105	M110	X	1.087	1.087	0	%100
106	M110	Z	-1.884	-1.884	0	%100
107	M111	X	1.852	1.852	0	%100
108	M111	Z	-3.208	-3.208	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	M73	X	1.386	1.386	0	%100
2	M73	Z	-.8	-.8	0	%100
3	M76	X	2.477	2.477	0	%100
4	M76	Z	-1.43	-1.43	0	%100
5	M87	X	1.386	1.386	0	%100
6	M87	Z	-.8	-.8	0	%100
7	M88	X	5.543	5.543	0	%100
8	M88	Z	-3.2	-3.2	0	%100
9	M101	X	1.083	1.083	0	%100
10	M101	Z	-.625	-.625	0	%100
11	M102	X	.271	.271	0	%100
12	M102	Z	-.156	-.156	0	%100
13	M103	X	.271	.271	0	%100
14	M103	Z	-.156	-.156	0	%100
15	M104	X	0	0	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	2.477	2.477	0	%100
18	M105	Z	-1.43	-1.43	0	%100
19	M34	X	.952	.952	0	%100
20	M34	Z	-.55	-.55	0	%100
21	M43	X	.952	.952	0	%100
22	M43	Z	-.55	-.55	0	%100
23	M52	X	2.353	2.353	0	%100
24	M52	Z	-1.359	-1.359	0	%100
25	M53	X	2.045	2.045	0	%100
26	M53	Z	-1.181	-1.181	0	%100
27	M54	X	2.045	2.045	0	%100
28	M54	Z	-1.181	-1.181	0	%100
29	M55	X	2.045	2.045	0	%100
30	M55	Z	-1.181	-1.181	0	%100
31	MP3C	X	2.045	2.045	0	%100
32	MP3C	Z	-1.181	-1.181	0	%100
33	M57	X	2.045	2.045	0	%100
34	M57	Z	-1.181	-1.181	0	%100
35	M58	X	2.045	2.045	0	%100
36	M58	Z	-1.181	-1.181	0	%100
37	M59	X	2.353	2.353	0	%100
38	M59	Z	-1.359	-1.359	0	%100
39	M60	X	2.353	2.353	0	%100
40	M60	Z	-1.359	-1.359	0	%100
41	M57A	X	3.81	3.81	0	%100
42	M57A	Z	-2.2	-2.2	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,%]
43	M58A	X	3.81	3.81	0	%100
44	M58A	Z	-2.2	-2.2	0	%100
45	M59A	X	.952	.952	0	%100
46	M59A	Z	-.55	-.55	0	%100
47	M60A	X	.952	.952	0	%100
48	M60A	Z	-.55	-.55	0	%100
49	M63	X	1.22	1.22	0	%100
50	M63	Z	-.704	-.704	0	%100
51	M65	X	3.183	3.183	0	%100
52	M65	Z	-1.838	-1.838	0	%100
53	M66	X	3.183	3.183	0	%100
54	M66	Z	-1.838	-1.838	0	%100
55	M67	X	2.045	2.045	0	%100
56	M67	Z	-1.181	-1.181	0	%100
57	M68	X	2.045	2.045	0	%100
58	M68	Z	-1.181	-1.181	0	%100
59	M69	X	2.045	2.045	0	%100
60	M69	Z	-1.181	-1.181	0	%100
61	M70	X	2.045	2.045	0	%100
62	M70	Z	-1.181	-1.181	0	%100
63	M71	X	2.045	2.045	0	%100
64	M71	Z	-1.181	-1.181	0	%100
65	M72	X	2.045	2.045	0	%100
66	M72	Z	-1.181	-1.181	0	%100
67	MP5A	X	2.445	2.445	0	%100
68	MP5A	Z	-1.411	-1.411	0	%100
69	MP1B	X	2.445	2.445	0	%100
70	MP1B	Z	-1.411	-1.411	0	%100
71	MP5C	X	2.445	2.445	0	%100
72	MP5C	Z	-1.411	-1.411	0	%100
73	MP1A	X	2.445	2.445	0	%100
74	MP1A	Z	-1.411	-1.411	0	%100
75	MP5B	X	2.445	2.445	0	%100
76	MP5B	Z	-1.411	-1.411	0	%100
77	MP1C	X	2.445	2.445	0	%100
78	MP1C	Z	-1.411	-1.411	0	%100
79	MP3A	X	2.445	2.445	0	%100
80	MP3A	Z	-1.411	-1.411	0	%100
81	MP4A	X	2.445	2.445	0	%100
82	MP4A	Z	-1.411	-1.411	0	%100
83	MP2A	X	2.445	2.445	0	%100
84	MP2A	Z	-1.411	-1.411	0	%100
85	M90B	X	2.445	2.445	0	%100
86	M90B	Z	-1.411	-1.411	0	%100
87	MP4C	X	2.445	2.445	0	%100
88	MP4C	Z	-1.411	-1.411	0	%100
89	MP2C	X	2.445	2.445	0	%100
90	MP2C	Z	-1.411	-1.411	0	%100
91	MP3B	X	2.445	2.445	0	%100
92	MP3B	Z	-1.411	-1.411	0	%100
93	MP4B	X	2.445	2.445	0	%100
94	MP4B	Z	-1.411	-1.411	0	%100
95	MP2B	X	2.445	2.445	0	%100
96	MP2B	Z	-1.411	-1.411	0	%100
97	M106	X	3.164	3.164	0	%100
98	M106	Z	-1.827	-1.827	0	%100
99	M107	X	2.525	2.525	0	%100
100	M107	Z	-1.458	-1.458	0	%100
101	M108	X	3.164	3.164	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,%]
102	M108	Z	-1.827	-1.827	0	%100
103	M109	X	2.766	2.766	0	%100
104	M109	Z	-1.597	-1.597	0	%100
105	M110	X	1.442	1.442	0	%100
106	M110	Z	-.833	-.833	0	%100
107	M111	X	2.766	2.766	0	%100
108	M111	Z	-1.597	-1.597	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M76	X	3.813	3.813	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	4.801	4.801	0	%100
6	M87	Z	0	0	0	%100
7	M88	X	4.801	4.801	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	.938	.938	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	.938	.938	0	%100
12	M102	Z	0	0	0	%100
13	M103	X	0	0	0	%100
14	M103	Z	0	0	0	%100
15	M104	X	.953	.953	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	.953	.953	0	%100
18	M105	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	0	0	0	%100
23	M52	X	2.717	2.717	0	%100
24	M52	Z	0	0	0	%100
25	M53	X	2.361	2.361	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	2.361	2.361	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	2.361	2.361	0	%100
30	M55	Z	0	0	0	%100
31	MP3C	X	2.361	2.361	0	%100
32	MP3C	Z	0	0	0	%100
33	M57	X	2.361	2.361	0	%100
34	M57	Z	0	0	0	%100
35	M58	X	2.361	2.361	0	%100
36	M58	Z	0	0	0	%100
37	M59	X	2.717	2.717	0	%100
38	M59	Z	0	0	0	%100
39	M60	X	2.717	2.717	0	%100
40	M60	Z	0	0	0	%100
41	M57A	X	3.299	3.299	0	%100
42	M57A	Z	0	0	0	%100
43	M58A	X	3.299	3.299	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	3.299	3.299	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	3.299	3.299	0	%100
48	M60A	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,%]
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M65	X	4.9	4.9	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	4.9	4.9	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	2.361	2.361	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	2.361	2.361	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	2.361	2.361	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	2.361	2.361	0	%100
62	M70	Z	0	0	0	%100
63	M71	X	2.361	2.361	0	%100
64	M71	Z	0	0	0	%100
65	M72	X	2.361	2.361	0	%100
66	M72	Z	0	0	0	%100
67	MP5A	X	2.823	2.823	0	%100
68	MP5A	Z	0	0	0	%100
69	MP1B	X	2.823	2.823	0	%100
70	MP1B	Z	0	0	0	%100
71	MP5C	X	2.823	2.823	0	%100
72	MP5C	Z	0	0	0	%100
73	MP1A	X	2.823	2.823	0	%100
74	MP1A	Z	0	0	0	%100
75	MP5B	X	2.823	2.823	0	%100
76	MP5B	Z	0	0	0	%100
77	MP1C	X	2.823	2.823	0	%100
78	MP1C	Z	0	0	0	%100
79	MP3A	X	2.823	2.823	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	2.823	2.823	0	%100
82	MP4A	Z	0	0	0	%100
83	MP2A	X	2.823	2.823	0	%100
84	MP2A	Z	0	0	0	%100
85	M90B	X	2.823	2.823	0	%100
86	M90B	Z	0	0	0	%100
87	MP4C	X	2.823	2.823	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	2.823	2.823	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3B	X	2.823	2.823	0	%100
92	MP3B	Z	0	0	0	%100
93	MP4B	X	2.823	2.823	0	%100
94	MP4B	Z	0	0	0	%100
95	MP2B	X	2.823	2.823	0	%100
96	MP2B	Z	0	0	0	%100
97	M106	X	3.899	3.899	0	%100
98	M106	Z	0	0	0	%100
99	M107	X	3.162	3.162	0	%100
100	M107	Z	0	0	0	%100
101	M108	X	3.162	3.162	0	%100
102	M108	Z	0	0	0	%100
103	M109	X	3.704	3.704	0	%100
104	M109	Z	0	0	0	%100
105	M110	X	2.175	2.175	0	%100
106	M110	Z	0	0	0	%100
107	M111	X	2.175	2.175	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,%]
108	M111	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	M73	X	1.386	1.386	0	%100
2	M73	Z	.8	.8	0	%100
3	M76	X	2.477	2.477	0	%100
4	M76	Z	1.43	1.43	0	%100
5	M87	X	5.543	5.543	0	%100
6	M87	Z	3.2	3.2	0	%100
7	M88	X	1.386	1.386	0	%100
8	M88	Z	.8	.8	0	%100
9	M101	X	.271	.271	0	%100
10	M101	Z	.156	.156	0	%100
11	M102	X	1.083	1.083	0	%100
12	M102	Z	.625	.625	0	%100
13	M103	X	.271	.271	0	%100
14	M103	Z	.156	.156	0	%100
15	M104	X	2.477	2.477	0	%100
16	M104	Z	1.43	1.43	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	0	0	0	%100
19	M34	X	.952	.952	0	%100
20	M34	Z	.55	.55	0	%100
21	M43	X	.952	.952	0	%100
22	M43	Z	.55	.55	0	%100
23	M52	X	2.353	2.353	0	%100
24	M52	Z	1.359	1.359	0	%100
25	M53	X	2.045	2.045	0	%100
26	M53	Z	1.181	1.181	0	%100
27	M54	X	2.045	2.045	0	%100
28	M54	Z	1.181	1.181	0	%100
29	M55	X	2.045	2.045	0	%100
30	M55	Z	1.181	1.181	0	%100
31	MP3C	X	2.045	2.045	0	%100
32	MP3C	Z	1.181	1.181	0	%100
33	M57	X	2.045	2.045	0	%100
34	M57	Z	1.181	1.181	0	%100
35	M58	X	2.045	2.045	0	%100
36	M58	Z	1.181	1.181	0	%100
37	M59	X	2.353	2.353	0	%100
38	M59	Z	1.359	1.359	0	%100
39	M60	X	2.353	2.353	0	%100
40	M60	Z	1.359	1.359	0	%100
41	M57A	X	.952	.952	0	%100
42	M57A	Z	.55	.55	0	%100
43	M58A	X	.952	.952	0	%100
44	M58A	Z	.55	.55	0	%100
45	M59A	X	3.81	3.81	0	%100
46	M59A	Z	2.2	2.2	0	%100
47	M60A	X	3.81	3.81	0	%100
48	M60A	Z	2.2	2.2	0	%100
49	M63	X	1.22	1.22	0	%100
50	M63	Z	.704	.704	0	%100
51	M65	X	3.183	3.183	0	%100
52	M65	Z	1.838	1.838	0	%100
53	M66	X	3.183	3.183	0	%100
54	M66	Z	1.838	1.838	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,%]
55	M67	X	2.045	2.045	0	%100
56	M67	Z	1.181	1.181	0	%100
57	M68	X	2.045	2.045	0	%100
58	M68	Z	1.181	1.181	0	%100
59	M69	X	2.045	2.045	0	%100
60	M69	Z	1.181	1.181	0	%100
61	M70	X	2.045	2.045	0	%100
62	M70	Z	1.181	1.181	0	%100
63	M71	X	2.045	2.045	0	%100
64	M71	Z	1.181	1.181	0	%100
65	M72	X	2.045	2.045	0	%100
66	M72	Z	1.181	1.181	0	%100
67	MP5A	X	2.445	2.445	0	%100
68	MP5A	Z	1.411	1.411	0	%100
69	MP1B	X	2.445	2.445	0	%100
70	MP1B	Z	1.411	1.411	0	%100
71	MP5C	X	2.445	2.445	0	%100
72	MP5C	Z	1.411	1.411	0	%100
73	MP1A	X	2.445	2.445	0	%100
74	MP1A	Z	1.411	1.411	0	%100
75	MP5B	X	2.445	2.445	0	%100
76	MP5B	Z	1.411	1.411	0	%100
77	MP1C	X	2.445	2.445	0	%100
78	MP1C	Z	1.411	1.411	0	%100
79	MP3A	X	2.445	2.445	0	%100
80	MP3A	Z	1.411	1.411	0	%100
81	MP4A	X	2.445	2.445	0	%100
82	MP4A	Z	1.411	1.411	0	%100
83	MP2A	X	2.445	2.445	0	%100
84	MP2A	Z	1.411	1.411	0	%100
85	M90B	X	2.445	2.445	0	%100
86	M90B	Z	1.411	1.411	0	%100
87	MP4C	X	2.445	2.445	0	%100
88	MP4C	Z	1.411	1.411	0	%100
89	MP2C	X	2.445	2.445	0	%100
90	MP2C	Z	1.411	1.411	0	%100
91	MP3B	X	2.445	2.445	0	%100
92	MP3B	Z	1.411	1.411	0	%100
93	MP4B	X	2.445	2.445	0	%100
94	MP4B	Z	1.411	1.411	0	%100
95	MP2B	X	2.445	2.445	0	%100
96	MP2B	Z	1.411	1.411	0	%100
97	M106	X	3.164	3.164	0	%100
98	M106	Z	1.827	1.827	0	%100
99	M107	X	3.164	3.164	0	%100
100	M107	Z	1.827	1.827	0	%100
101	M108	X	2.525	2.525	0	%100
102	M108	Z	1.458	1.458	0	%100
103	M109	X	2.766	2.766	0	%100
104	M109	Z	1.597	1.597	0	%100
105	M110	X	2.766	2.766	0	%100
106	M110	Z	1.597	1.597	0	%100
107	M111	X	1.442	1.442	0	%100
108	M111	Z	.833	.833	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	M73	X	2.4	2.4	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,%]
2	M73	Z	4.158	4.158	0	%100
3	M76	X	.477	.477	0	%100
4	M76	Z	.826	.826	0	%100
5	M87	X	2.4	2.4	0	%100
6	M87	Z	4.158	4.158	0	%100
7	M88	X	0	0	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	.469	.469	0	%100
12	M102	Z	.812	.812	0	%100
13	M103	X	.469	.469	0	%100
14	M103	Z	.812	.812	0	%100
15	M104	X	1.906	1.906	0	%100
16	M104	Z	3.302	3.302	0	%100
17	M105	X	.477	.477	0	%100
18	M105	Z	.826	.826	0	%100
19	M34	X	1.65	1.65	0	%100
20	M34	Z	2.857	2.857	0	%100
21	M43	X	1.65	1.65	0	%100
22	M43	Z	2.857	2.857	0	%100
23	M52	X	1.359	1.359	0	%100
24	M52	Z	2.353	2.353	0	%100
25	M53	X	1.181	1.181	0	%100
26	M53	Z	2.045	2.045	0	%100
27	M54	X	1.181	1.181	0	%100
28	M54	Z	2.045	2.045	0	%100
29	M55	X	1.181	1.181	0	%100
30	M55	Z	2.045	2.045	0	%100
31	MP3C	X	1.181	1.181	0	%100
32	MP3C	Z	2.045	2.045	0	%100
33	M57	X	1.181	1.181	0	%100
34	M57	Z	2.045	2.045	0	%100
35	M58	X	1.181	1.181	0	%100
36	M58	Z	2.045	2.045	0	%100
37	M59	X	1.359	1.359	0	%100
38	M59	Z	2.353	2.353	0	%100
39	M60	X	1.359	1.359	0	%100
40	M60	Z	2.353	2.353	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	0	0	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	1.65	1.65	0	%100
46	M59A	Z	2.857	2.857	0	%100
47	M60A	X	1.65	1.65	0	%100
48	M60A	Z	2.857	2.857	0	%100
49	M63	X	2.113	2.113	0	%100
50	M63	Z	3.661	3.661	0	%100
51	M65	X	.613	.613	0	%100
52	M65	Z	1.061	1.061	0	%100
53	M66	X	.613	.613	0	%100
54	M66	Z	1.061	1.061	0	%100
55	M67	X	1.181	1.181	0	%100
56	M67	Z	2.045	2.045	0	%100
57	M68	X	1.181	1.181	0	%100
58	M68	Z	2.045	2.045	0	%100
59	M69	X	1.181	1.181	0	%100
60	M69	Z	2.045	2.045	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,%]
61	M70	X	1.181	1.181	0	%100
62	M70	Z	2.045	2.045	0	%100
63	M71	X	1.181	1.181	0	%100
64	M71	Z	2.045	2.045	0	%100
65	M72	X	1.181	1.181	0	%100
66	M72	Z	2.045	2.045	0	%100
67	MP5A	X	1.411	1.411	0	%100
68	MP5A	Z	2.445	2.445	0	%100
69	MP1B	X	1.411	1.411	0	%100
70	MP1B	Z	2.445	2.445	0	%100
71	MP5C	X	1.411	1.411	0	%100
72	MP5C	Z	2.445	2.445	0	%100
73	MP1A	X	1.411	1.411	0	%100
74	MP1A	Z	2.445	2.445	0	%100
75	MP5B	X	1.411	1.411	0	%100
76	MP5B	Z	2.445	2.445	0	%100
77	MP1C	X	1.411	1.411	0	%100
78	MP1C	Z	2.445	2.445	0	%100
79	MP3A	X	1.411	1.411	0	%100
80	MP3A	Z	2.445	2.445	0	%100
81	MP4A	X	1.411	1.411	0	%100
82	MP4A	Z	2.445	2.445	0	%100
83	MP2A	X	1.411	1.411	0	%100
84	MP2A	Z	2.445	2.445	0	%100
85	M90B	X	1.411	1.411	0	%100
86	M90B	Z	2.445	2.445	0	%100
87	MP4C	X	1.411	1.411	0	%100
88	MP4C	Z	2.445	2.445	0	%100
89	MP2C	X	1.411	1.411	0	%100
90	MP2C	Z	2.445	2.445	0	%100
91	MP3B	X	1.411	1.411	0	%100
92	MP3B	Z	2.445	2.445	0	%100
93	MP4B	X	1.411	1.411	0	%100
94	MP4B	Z	2.445	2.445	0	%100
95	MP2B	X	1.411	1.411	0	%100
96	MP2B	Z	2.445	2.445	0	%100
97	M106	X	1.581	1.581	0	%100
98	M106	Z	2.738	2.738	0	%100
99	M107	X	1.949	1.949	0	%100
100	M107	Z	3.377	3.377	0	%100
101	M108	X	1.581	1.581	0	%100
102	M108	Z	2.738	2.738	0	%100
103	M109	X	1.087	1.087	0	%100
104	M109	Z	1.884	1.884	0	%100
105	M110	X	1.852	1.852	0	%100
106	M110	Z	3.208	3.208	0	%100
107	M111	X	1.087	1.087	0	%100
108	M111	Z	1.884	1.884	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	M73	X	0	0	0	%100
2	M73	Z	6.401	6.401	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	1.6	1.6	0	%100
7	M88	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,%]
8	M88	Z	1.6	1.6	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	.313	.313	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	.313	.313	0	%100
13	M103	X	0	0	0	%100
14	M103	Z	1.251	1.251	0	%100
15	M104	X	0	0	0	%100
16	M104	Z	2.86	2.86	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	2.86	2.86	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	4.399	4.399	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	4.399	4.399	0	%100
23	M52	X	0	0	0	%100
24	M52	Z	2.717	2.717	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	2.361	2.361	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	2.361	2.361	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	2.361	2.361	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	2.361	2.361	0	%100
33	M57	X	0	0	0	%100
34	M57	Z	2.361	2.361	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	2.361	2.361	0	%100
37	M59	X	0	0	0	%100
38	M59	Z	2.717	2.717	0	%100
39	M60	X	0	0	0	%100
40	M60	Z	2.717	2.717	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	1.1	1.1	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	1.1	1.1	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	1.1	1.1	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	1.1	1.1	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	5.636	5.636	0	%100
51	M65	X	0	0	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	0	0	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	2.361	2.361	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	2.361	2.361	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	2.361	2.361	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	2.361	2.361	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	2.361	2.361	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	2.361	2.361	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,%]
67	MP5A	X	0	0	0	%100
68	MP5A	Z	2.823	2.823	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	2.823	2.823	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	2.823	2.823	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	2.823	2.823	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	2.823	2.823	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	2.823	2.823	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	2.823	2.823	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	2.823	2.823	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	2.823	2.823	0	%100
85	M90B	X	0	0	0	%100
86	M90B	Z	2.823	2.823	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	2.823	2.823	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	2.823	2.823	0	%100
91	MP3B	X	0	0	0	%100
92	MP3B	Z	2.823	2.823	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	2.823	2.823	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	2.823	2.823	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	2.916	2.916	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	3.653	3.653	0	%100
101	M108	X	0	0	0	%100
102	M108	Z	3.653	3.653	0	%100
103	M109	X	0	0	0	%100
104	M109	Z	1.665	1.665	0	%100
105	M110	X	0	0	0	%100
106	M110	Z	3.194	3.194	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	3.194	3.194	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	M73	X	-2.4	-2.4	0	%100
2	M73	Z	4.158	4.158	0	%100
3	M76	X	-.477	-.477	0	%100
4	M76	Z	.826	.826	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M88	X	-2.4	-2.4	0	%100
8	M88	Z	4.158	4.158	0	%100
9	M101	X	-.469	-.469	0	%100
10	M101	Z	.812	.812	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	0	0	0	%100
13	M103	X	-.469	-.469	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,%]
14	M103	Z	.812	.812	0	%100
15	M104	X	-.477	-.477	0	%100
16	M104	Z	.826	.826	0	%100
17	M105	X	-1.906	-1.906	0	%100
18	M105	Z	3.302	3.302	0	%100
19	M34	X	-1.65	-1.65	0	%100
20	M34	Z	2.857	2.857	0	%100
21	M43	X	-1.65	-1.65	0	%100
22	M43	Z	2.857	2.857	0	%100
23	M52	X	-1.359	-1.359	0	%100
24	M52	Z	2.353	2.353	0	%100
25	M53	X	-1.181	-1.181	0	%100
26	M53	Z	2.045	2.045	0	%100
27	M54	X	-1.181	-1.181	0	%100
28	M54	Z	2.045	2.045	0	%100
29	M55	X	-1.181	-1.181	0	%100
30	M55	Z	2.045	2.045	0	%100
31	MP3C	X	-1.181	-1.181	0	%100
32	MP3C	Z	2.045	2.045	0	%100
33	M57	X	-1.181	-1.181	0	%100
34	M57	Z	2.045	2.045	0	%100
35	M58	X	-1.181	-1.181	0	%100
36	M58	Z	2.045	2.045	0	%100
37	M59	X	-1.359	-1.359	0	%100
38	M59	Z	2.353	2.353	0	%100
39	M60	X	-1.359	-1.359	0	%100
40	M60	Z	2.353	2.353	0	%100
41	M57A	X	-1.65	-1.65	0	%100
42	M57A	Z	2.857	2.857	0	%100
43	M58A	X	-1.65	-1.65	0	%100
44	M58A	Z	2.857	2.857	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	0	0	0	%100
49	M63	X	-2.113	-2.113	0	%100
50	M63	Z	3.661	3.661	0	%100
51	M65	X	-.613	-.613	0	%100
52	M65	Z	1.061	1.061	0	%100
53	M66	X	-.613	-.613	0	%100
54	M66	Z	1.061	1.061	0	%100
55	M67	X	-1.181	-1.181	0	%100
56	M67	Z	2.045	2.045	0	%100
57	M68	X	-1.181	-1.181	0	%100
58	M68	Z	2.045	2.045	0	%100
59	M69	X	-1.181	-1.181	0	%100
60	M69	Z	2.045	2.045	0	%100
61	M70	X	-1.181	-1.181	0	%100
62	M70	Z	2.045	2.045	0	%100
63	M71	X	-1.181	-1.181	0	%100
64	M71	Z	2.045	2.045	0	%100
65	M72	X	-1.181	-1.181	0	%100
66	M72	Z	2.045	2.045	0	%100
67	MP5A	X	-1.411	-1.411	0	%100
68	MP5A	Z	2.445	2.445	0	%100
69	MP1B	X	-1.411	-1.411	0	%100
70	MP1B	Z	2.445	2.445	0	%100
71	MP5C	X	-1.411	-1.411	0	%100
72	MP5C	Z	2.445	2.445	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,%]
73	MP1A	X	-1.411	-1.411	0	%100
74	MP1A	Z	2.445	2.445	0	%100
75	MP5B	X	-1.411	-1.411	0	%100
76	MP5B	Z	2.445	2.445	0	%100
77	MP1C	X	-1.411	-1.411	0	%100
78	MP1C	Z	2.445	2.445	0	%100
79	MP3A	X	-1.411	-1.411	0	%100
80	MP3A	Z	2.445	2.445	0	%100
81	MP4A	X	-1.411	-1.411	0	%100
82	MP4A	Z	2.445	2.445	0	%100
83	MP2A	X	-1.411	-1.411	0	%100
84	MP2A	Z	2.445	2.445	0	%100
85	M90B	X	-1.411	-1.411	0	%100
86	M90B	Z	2.445	2.445	0	%100
87	MP4C	X	-1.411	-1.411	0	%100
88	MP4C	Z	2.445	2.445	0	%100
89	MP2C	X	-1.411	-1.411	0	%100
90	MP2C	Z	2.445	2.445	0	%100
91	MP3B	X	-1.411	-1.411	0	%100
92	MP3B	Z	2.445	2.445	0	%100
93	MP4B	X	-1.411	-1.411	0	%100
94	MP4B	Z	2.445	2.445	0	%100
95	MP2B	X	-1.411	-1.411	0	%100
96	MP2B	Z	2.445	2.445	0	%100
97	M106	X	-1.581	-1.581	0	%100
98	M106	Z	2.738	2.738	0	%100
99	M107	X	-1.581	-1.581	0	%100
100	M107	Z	2.738	2.738	0	%100
101	M108	X	-1.949	-1.949	0	%100
102	M108	Z	3.377	3.377	0	%100
103	M109	X	-1.087	-1.087	0	%100
104	M109	Z	1.884	1.884	0	%100
105	M110	X	-1.087	-1.087	0	%100
106	M110	Z	1.884	1.884	0	%100
107	M111	X	-1.852	-1.852	0	%100
108	M111	Z	3.208	3.208	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	M73	X	-1.386	-1.386	0	%100
2	M73	Z	.8	.8	0	%100
3	M76	X	-2.477	-2.477	0	%100
4	M76	Z	1.43	1.43	0	%100
5	M87	X	-1.386	-1.386	0	%100
6	M87	Z	.8	.8	0	%100
7	M88	X	-5.543	-5.543	0	%100
8	M88	Z	3.2	3.2	0	%100
9	M101	X	-1.083	-1.083	0	%100
10	M101	Z	.625	.625	0	%100
11	M102	X	-.271	-.271	0	%100
12	M102	Z	.156	.156	0	%100
13	M103	X	-.271	-.271	0	%100
14	M103	Z	.156	.156	0	%100
15	M104	X	0	0	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	-2.477	-2.477	0	%100
18	M105	Z	1.43	1.43	0	%100
19	M34	X	-.952	-.952	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,%]
20	M34	Z	.55	.55	0	%100
21	M43	X	-.952	-.952	0	%100
22	M43	Z	.55	.55	0	%100
23	M52	X	-2.353	-2.353	0	%100
24	M52	Z	1.359	1.359	0	%100
25	M53	X	-2.045	-2.045	0	%100
26	M53	Z	1.181	1.181	0	%100
27	M54	X	-2.045	-2.045	0	%100
28	M54	Z	1.181	1.181	0	%100
29	M55	X	-2.045	-2.045	0	%100
30	M55	Z	1.181	1.181	0	%100
31	MP3C	X	-2.045	-2.045	0	%100
32	MP3C	Z	1.181	1.181	0	%100
33	M57	X	-2.045	-2.045	0	%100
34	M57	Z	1.181	1.181	0	%100
35	M58	X	-2.045	-2.045	0	%100
36	M58	Z	1.181	1.181	0	%100
37	M59	X	-2.353	-2.353	0	%100
38	M59	Z	1.359	1.359	0	%100
39	M60	X	-2.353	-2.353	0	%100
40	M60	Z	1.359	1.359	0	%100
41	M57A	X	-3.81	-3.81	0	%100
42	M57A	Z	2.2	2.2	0	%100
43	M58A	X	-3.81	-3.81	0	%100
44	M58A	Z	2.2	2.2	0	%100
45	M59A	X	-.952	-.952	0	%100
46	M59A	Z	.55	.55	0	%100
47	M60A	X	-.952	-.952	0	%100
48	M60A	Z	.55	.55	0	%100
49	M63	X	-1.22	-1.22	0	%100
50	M63	Z	.704	.704	0	%100
51	M65	X	-3.183	-3.183	0	%100
52	M65	Z	1.838	1.838	0	%100
53	M66	X	-3.183	-3.183	0	%100
54	M66	Z	1.838	1.838	0	%100
55	M67	X	-2.045	-2.045	0	%100
56	M67	Z	1.181	1.181	0	%100
57	M68	X	-2.045	-2.045	0	%100
58	M68	Z	1.181	1.181	0	%100
59	M69	X	-2.045	-2.045	0	%100
60	M69	Z	1.181	1.181	0	%100
61	M70	X	-2.045	-2.045	0	%100
62	M70	Z	1.181	1.181	0	%100
63	M71	X	-2.045	-2.045	0	%100
64	M71	Z	1.181	1.181	0	%100
65	M72	X	-2.045	-2.045	0	%100
66	M72	Z	1.181	1.181	0	%100
67	MP5A	X	-2.445	-2.445	0	%100
68	MP5A	Z	1.411	1.411	0	%100
69	MP1B	X	-2.445	-2.445	0	%100
70	MP1B	Z	1.411	1.411	0	%100
71	MP5C	X	-2.445	-2.445	0	%100
72	MP5C	Z	1.411	1.411	0	%100
73	MP1A	X	-2.445	-2.445	0	%100
74	MP1A	Z	1.411	1.411	0	%100
75	MP5B	X	-2.445	-2.445	0	%100
76	MP5B	Z	1.411	1.411	0	%100
77	MP1C	X	-2.445	-2.445	0	%100
78	MP1C	Z	1.411	1.411	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,%]
79	MP3A	X	-2.445	-2.445	0	%100
80	MP3A	Z	1.411	1.411	0	%100
81	MP4A	X	-2.445	-2.445	0	%100
82	MP4A	Z	1.411	1.411	0	%100
83	MP2A	X	-2.445	-2.445	0	%100
84	MP2A	Z	1.411	1.411	0	%100
85	M90B	X	-2.445	-2.445	0	%100
86	M90B	Z	1.411	1.411	0	%100
87	MP4C	X	-2.445	-2.445	0	%100
88	MP4C	Z	1.411	1.411	0	%100
89	MP2C	X	-2.445	-2.445	0	%100
90	MP2C	Z	1.411	1.411	0	%100
91	MP3B	X	-2.445	-2.445	0	%100
92	MP3B	Z	1.411	1.411	0	%100
93	MP4B	X	-2.445	-2.445	0	%100
94	MP4B	Z	1.411	1.411	0	%100
95	MP2B	X	-2.445	-2.445	0	%100
96	MP2B	Z	1.411	1.411	0	%100
97	M106	X	-3.164	-3.164	0	%100
98	M106	Z	1.827	1.827	0	%100
99	M107	X	-2.525	-2.525	0	%100
100	M107	Z	1.458	1.458	0	%100
101	M108	X	-3.164	-3.164	0	%100
102	M108	Z	1.827	1.827	0	%100
103	M109	X	-2.766	-2.766	0	%100
104	M109	Z	1.597	1.597	0	%100
105	M110	X	-1.442	-1.442	0	%100
106	M110	Z	.833	.833	0	%100
107	M111	X	-2.766	-2.766	0	%100
108	M111	Z	1.597	1.597	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M76	X	-3.813	-3.813	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	-4.801	-4.801	0	%100
6	M87	Z	0	0	0	%100
7	M88	X	-4.801	-4.801	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	-.938	-.938	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	-.938	-.938	0	%100
12	M102	Z	0	0	0	%100
13	M103	X	0	0	0	%100
14	M103	Z	0	0	0	%100
15	M104	X	-.953	-.953	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	-.953	-.953	0	%100
18	M105	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	0	0	0	%100
23	M52	X	-2.717	-2.717	0	%100
24	M52	Z	0	0	0	%100
25	M53	X	-2.361	-2.361	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,%]
26	M53	Z	0	0	0	%100
27	M54	X	-2.361	-2.361	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-2.361	-2.361	0	%100
30	M55	Z	0	0	0	%100
31	MP3C	X	-2.361	-2.361	0	%100
32	MP3C	Z	0	0	0	%100
33	M57	X	-2.361	-2.361	0	%100
34	M57	Z	0	0	0	%100
35	M58	X	-2.361	-2.361	0	%100
36	M58	Z	0	0	0	%100
37	M59	X	-2.717	-2.717	0	%100
38	M59	Z	0	0	0	%100
39	M60	X	-2.717	-2.717	0	%100
40	M60	Z	0	0	0	%100
41	M57A	X	-3.299	-3.299	0	%100
42	M57A	Z	0	0	0	%100
43	M58A	X	-3.299	-3.299	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-3.299	-3.299	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	-3.299	-3.299	0	%100
48	M60A	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M65	X	-4.9	-4.9	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	-4.9	-4.9	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	-2.361	-2.361	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	-2.361	-2.361	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	-2.361	-2.361	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	-2.361	-2.361	0	%100
62	M70	Z	0	0	0	%100
63	M71	X	-2.361	-2.361	0	%100
64	M71	Z	0	0	0	%100
65	M72	X	-2.361	-2.361	0	%100
66	M72	Z	0	0	0	%100
67	MP5A	X	-2.823	-2.823	0	%100
68	MP5A	Z	0	0	0	%100
69	MP1B	X	-2.823	-2.823	0	%100
70	MP1B	Z	0	0	0	%100
71	MP5C	X	-2.823	-2.823	0	%100
72	MP5C	Z	0	0	0	%100
73	MP1A	X	-2.823	-2.823	0	%100
74	MP1A	Z	0	0	0	%100
75	MP5B	X	-2.823	-2.823	0	%100
76	MP5B	Z	0	0	0	%100
77	MP1C	X	-2.823	-2.823	0	%100
78	MP1C	Z	0	0	0	%100
79	MP3A	X	-2.823	-2.823	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-2.823	-2.823	0	%100
82	MP4A	Z	0	0	0	%100
83	MP2A	X	-2.823	-2.823	0	%100
84	MP2A	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,%]
85	M90B	X	-2.823	-2.823	0	%100
86	M90B	Z	0	0	0	%100
87	MP4C	X	-2.823	-2.823	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-2.823	-2.823	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3B	X	-2.823	-2.823	0	%100
92	MP3B	Z	0	0	0	%100
93	MP4B	X	-2.823	-2.823	0	%100
94	MP4B	Z	0	0	0	%100
95	MP2B	X	-2.823	-2.823	0	%100
96	MP2B	Z	0	0	0	%100
97	M106	X	-3.899	-3.899	0	%100
98	M106	Z	0	0	0	%100
99	M107	X	-3.162	-3.162	0	%100
100	M107	Z	0	0	0	%100
101	M108	X	-3.162	-3.162	0	%100
102	M108	Z	0	0	0	%100
103	M109	X	-3.704	-3.704	0	%100
104	M109	Z	0	0	0	%100
105	M110	X	-2.175	-2.175	0	%100
106	M110	Z	0	0	0	%100
107	M111	X	-2.175	-2.175	0	%100
108	M111	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	M73	X	-1.386	-1.386	0	%100
2	M73	Z	-.8	-.8	0	%100
3	M76	X	-2.477	-2.477	0	%100
4	M76	Z	-1.43	-1.43	0	%100
5	M87	X	-5.543	-5.543	0	%100
6	M87	Z	-3.2	-3.2	0	%100
7	M88	X	-1.386	-1.386	0	%100
8	M88	Z	-.8	-.8	0	%100
9	M101	X	-.271	-.271	0	%100
10	M101	Z	-.156	-.156	0	%100
11	M102	X	-1.083	-1.083	0	%100
12	M102	Z	-.625	-.625	0	%100
13	M103	X	-.271	-.271	0	%100
14	M103	Z	-.156	-.156	0	%100
15	M104	X	-2.477	-2.477	0	%100
16	M104	Z	-1.43	-1.43	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	0	0	0	%100
19	M34	X	-.952	-.952	0	%100
20	M34	Z	-.55	-.55	0	%100
21	M43	X	-.952	-.952	0	%100
22	M43	Z	-.55	-.55	0	%100
23	M52	X	-2.353	-2.353	0	%100
24	M52	Z	-1.359	-1.359	0	%100
25	M53	X	-2.045	-2.045	0	%100
26	M53	Z	-1.181	-1.181	0	%100
27	M54	X	-2.045	-2.045	0	%100
28	M54	Z	-1.181	-1.181	0	%100
29	M55	X	-2.045	-2.045	0	%100
30	M55	Z	-1.181	-1.181	0	%100
31	MP3C	X	-2.045	-2.045	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,%]
32	MP3C	Z	-1.181	-1.181	0	%100
33	M57	X	-2.045	-2.045	0	%100
34	M57	Z	-1.181	-1.181	0	%100
35	M58	X	-2.045	-2.045	0	%100
36	M58	Z	-1.181	-1.181	0	%100
37	M59	X	-2.353	-2.353	0	%100
38	M59	Z	-1.359	-1.359	0	%100
39	M60	X	-2.353	-2.353	0	%100
40	M60	Z	-1.359	-1.359	0	%100
41	M57A	X	-.952	-.952	0	%100
42	M57A	Z	-.55	-.55	0	%100
43	M58A	X	-.952	-.952	0	%100
44	M58A	Z	-.55	-.55	0	%100
45	M59A	X	-3.81	-3.81	0	%100
46	M59A	Z	-2.2	-2.2	0	%100
47	M60A	X	-3.81	-3.81	0	%100
48	M60A	Z	-2.2	-2.2	0	%100
49	M63	X	-1.22	-1.22	0	%100
50	M63	Z	-.704	-.704	0	%100
51	M65	X	-3.183	-3.183	0	%100
52	M65	Z	-1.838	-1.838	0	%100
53	M66	X	-3.183	-3.183	0	%100
54	M66	Z	-1.838	-1.838	0	%100
55	M67	X	-2.045	-2.045	0	%100
56	M67	Z	-1.181	-1.181	0	%100
57	M68	X	-2.045	-2.045	0	%100
58	M68	Z	-1.181	-1.181	0	%100
59	M69	X	-2.045	-2.045	0	%100
60	M69	Z	-1.181	-1.181	0	%100
61	M70	X	-2.045	-2.045	0	%100
62	M70	Z	-1.181	-1.181	0	%100
63	M71	X	-2.045	-2.045	0	%100
64	M71	Z	-1.181	-1.181	0	%100
65	M72	X	-2.045	-2.045	0	%100
66	M72	Z	-1.181	-1.181	0	%100
67	MP5A	X	-2.445	-2.445	0	%100
68	MP5A	Z	-1.411	-1.411	0	%100
69	MP1B	X	-2.445	-2.445	0	%100
70	MP1B	Z	-1.411	-1.411	0	%100
71	MP5C	X	-2.445	-2.445	0	%100
72	MP5C	Z	-1.411	-1.411	0	%100
73	MP1A	X	-2.445	-2.445	0	%100
74	MP1A	Z	-1.411	-1.411	0	%100
75	MP5B	X	-2.445	-2.445	0	%100
76	MP5B	Z	-1.411	-1.411	0	%100
77	MP1C	X	-2.445	-2.445	0	%100
78	MP1C	Z	-1.411	-1.411	0	%100
79	MP3A	X	-2.445	-2.445	0	%100
80	MP3A	Z	-1.411	-1.411	0	%100
81	MP4A	X	-2.445	-2.445	0	%100
82	MP4A	Z	-1.411	-1.411	0	%100
83	MP2A	X	-2.445	-2.445	0	%100
84	MP2A	Z	-1.411	-1.411	0	%100
85	M90B	X	-2.445	-2.445	0	%100
86	M90B	Z	-1.411	-1.411	0	%100
87	MP4C	X	-2.445	-2.445	0	%100
88	MP4C	Z	-1.411	-1.411	0	%100
89	MP2C	X	-2.445	-2.445	0	%100
90	MP2C	Z	-1.411	-1.411	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,%]
91	MP3B	X	-2.445	-2.445	0	%100
92	MP3B	Z	-1.411	-1.411	0	%100
93	MP4B	X	-2.445	-2.445	0	%100
94	MP4B	Z	-1.411	-1.411	0	%100
95	MP2B	X	-2.445	-2.445	0	%100
96	MP2B	Z	-1.411	-1.411	0	%100
97	M106	X	-3.164	-3.164	0	%100
98	M106	Z	-1.827	-1.827	0	%100
99	M107	X	-3.164	-3.164	0	%100
100	M107	Z	-1.827	-1.827	0	%100
101	M108	X	-2.525	-2.525	0	%100
102	M108	Z	-1.458	-1.458	0	%100
103	M109	X	-2.766	-2.766	0	%100
104	M109	Z	-1.597	-1.597	0	%100
105	M110	X	-2.766	-2.766	0	%100
106	M110	Z	-1.597	-1.597	0	%100
107	M111	X	-1.442	-1.442	0	%100
108	M111	Z	-.833	-.833	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	M73	X	-2.4	-2.4	0	%100
2	M73	Z	-4.158	-4.158	0	%100
3	M76	X	-.477	-.477	0	%100
4	M76	Z	-.826	-.826	0	%100
5	M87	X	-2.4	-2.4	0	%100
6	M87	Z	-4.158	-4.158	0	%100
7	M88	X	0	0	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	-.469	-.469	0	%100
12	M102	Z	-.812	-.812	0	%100
13	M103	X	-.469	-.469	0	%100
14	M103	Z	-.812	-.812	0	%100
15	M104	X	-1.906	-1.906	0	%100
16	M104	Z	-3.302	-3.302	0	%100
17	M105	X	-.477	-.477	0	%100
18	M105	Z	-.826	-.826	0	%100
19	M34	X	-1.65	-1.65	0	%100
20	M34	Z	-2.857	-2.857	0	%100
21	M43	X	-1.65	-1.65	0	%100
22	M43	Z	-2.857	-2.857	0	%100
23	M52	X	-1.359	-1.359	0	%100
24	M52	Z	-2.353	-2.353	0	%100
25	M53	X	-1.181	-1.181	0	%100
26	M53	Z	-2.045	-2.045	0	%100
27	M54	X	-1.181	-1.181	0	%100
28	M54	Z	-2.045	-2.045	0	%100
29	M55	X	-1.181	-1.181	0	%100
30	M55	Z	-2.045	-2.045	0	%100
31	MP3C	X	-1.181	-1.181	0	%100
32	MP3C	Z	-2.045	-2.045	0	%100
33	M57	X	-1.181	-1.181	0	%100
34	M57	Z	-2.045	-2.045	0	%100
35	M58	X	-1.181	-1.181	0	%100
36	M58	Z	-2.045	-2.045	0	%100
37	M59	X	-1.359	-1.359	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,%]
38	M59	Z	-2.353	-2.353	0	%100
39	M60	X	-1.359	-1.359	0	%100
40	M60	Z	-2.353	-2.353	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	0	0	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-1.65	-1.65	0	%100
46	M59A	Z	-2.857	-2.857	0	%100
47	M60A	X	-1.65	-1.65	0	%100
48	M60A	Z	-2.857	-2.857	0	%100
49	M63	X	-2.113	-2.113	0	%100
50	M63	Z	-3.661	-3.661	0	%100
51	M65	X	-.613	-.613	0	%100
52	M65	Z	-1.061	-1.061	0	%100
53	M66	X	-.613	-.613	0	%100
54	M66	Z	-1.061	-1.061	0	%100
55	M67	X	-1.181	-1.181	0	%100
56	M67	Z	-2.045	-2.045	0	%100
57	M68	X	-1.181	-1.181	0	%100
58	M68	Z	-2.045	-2.045	0	%100
59	M69	X	-1.181	-1.181	0	%100
60	M69	Z	-2.045	-2.045	0	%100
61	M70	X	-1.181	-1.181	0	%100
62	M70	Z	-2.045	-2.045	0	%100
63	M71	X	-1.181	-1.181	0	%100
64	M71	Z	-2.045	-2.045	0	%100
65	M72	X	-1.181	-1.181	0	%100
66	M72	Z	-2.045	-2.045	0	%100
67	MP5A	X	-1.411	-1.411	0	%100
68	MP5A	Z	-2.445	-2.445	0	%100
69	MP1B	X	-1.411	-1.411	0	%100
70	MP1B	Z	-2.445	-2.445	0	%100
71	MP5C	X	-1.411	-1.411	0	%100
72	MP5C	Z	-2.445	-2.445	0	%100
73	MP1A	X	-1.411	-1.411	0	%100
74	MP1A	Z	-2.445	-2.445	0	%100
75	MP5B	X	-1.411	-1.411	0	%100
76	MP5B	Z	-2.445	-2.445	0	%100
77	MP1C	X	-1.411	-1.411	0	%100
78	MP1C	Z	-2.445	-2.445	0	%100
79	MP3A	X	-1.411	-1.411	0	%100
80	MP3A	Z	-2.445	-2.445	0	%100
81	MP4A	X	-1.411	-1.411	0	%100
82	MP4A	Z	-2.445	-2.445	0	%100
83	MP2A	X	-1.411	-1.411	0	%100
84	MP2A	Z	-2.445	-2.445	0	%100
85	M90B	X	-1.411	-1.411	0	%100
86	M90B	Z	-2.445	-2.445	0	%100
87	MP4C	X	-1.411	-1.411	0	%100
88	MP4C	Z	-2.445	-2.445	0	%100
89	MP2C	X	-1.411	-1.411	0	%100
90	MP2C	Z	-2.445	-2.445	0	%100
91	MP3B	X	-1.411	-1.411	0	%100
92	MP3B	Z	-2.445	-2.445	0	%100
93	MP4B	X	-1.411	-1.411	0	%100
94	MP4B	Z	-2.445	-2.445	0	%100
95	MP2B	X	-1.411	-1.411	0	%100
96	MP2B	Z	-2.445	-2.445	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,%]
97	M106	X	-1.581	-1.581	0	%100
98	M106	Z	-2.738	-2.738	0	%100
99	M107	X	-1.949	-1.949	0	%100
100	M107	Z	-3.377	-3.377	0	%100
101	M108	X	-1.581	-1.581	0	%100
102	M108	Z	-2.738	-2.738	0	%100
103	M109	X	-1.087	-1.087	0	%100
104	M109	Z	-1.884	-1.884	0	%100
105	M110	X	-1.852	-1.852	0	%100
106	M110	Z	-3.208	-3.208	0	%100
107	M111	X	-1.087	-1.087	0	%100
108	M111	Z	-1.884	-1.884	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	M73	X	0	0	0	%100
2	M73	Z	-1.801	-1.801	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	-.45	-.45	0	%100
7	M88	X	0	0	0	%100
8	M88	Z	-.45	-.45	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	-.027	-.027	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	-.027	-.027	0	%100
13	M103	X	0	0	0	%100
14	M103	Z	-.108	-.108	0	%100
15	M104	X	0	0	0	%100
16	M104	Z	-.652	-.652	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	-.652	-.652	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	-1.081	-1.081	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	-1.081	-1.081	0	%100
23	M52	X	0	0	0	%100
24	M52	Z	-.492	-.492	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	-.428	-.428	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-.428	-.428	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	-.428	-.428	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-.428	-.428	0	%100
33	M57	X	0	0	0	%100
34	M57	Z	-.428	-.428	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	-.428	-.428	0	%100
37	M59	X	0	0	0	%100
38	M59	Z	-.492	-.492	0	%100
39	M60	X	0	0	0	%100
40	M60	Z	-.492	-.492	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	-.27	-.27	0	%100
43	M58A	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,%]
44	M58A	Z	-.27	-.27	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-.27	-.27	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	-.27	-.27	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	-1.526	-1.526	0	%100
51	M65	X	0	0	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	0	0	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	-.428	-.428	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-.428	-.428	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	-.428	-.428	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	-.428	-.428	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-.428	-.428	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	-.428	-.428	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	-.513	-.513	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	-.513	-.513	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	-.513	-.513	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-.513	-.513	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	-.513	-.513	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	-.513	-.513	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-.513	-.513	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-.513	-.513	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-.513	-.513	0	%100
85	M90B	X	0	0	0	%100
86	M90B	Z	-.513	-.513	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-.513	-.513	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-.513	-.513	0	%100
91	MP3B	X	0	0	0	%100
92	MP3B	Z	-.513	-.513	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-.513	-.513	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	-.513	-.513	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	-.804	-.804	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	-.877	-.877	0	%100
101	M108	X	0	0	0	%100
102	M108	Z	-.877	-.877	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,%]
103	M109	X	0	0	0	%100
104	M109	Z	-.4	-.4	0	%100
105	M110	X	0	0	0	%100
106	M110	Z	-.768	-.768	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	-.768	-.768	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	M73	X	.676	.676	0	%100
2	M73	Z	-1.17	-1.17	0	%100
3	M76	X	.109	.109	0	%100
4	M76	Z	-.188	-.188	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M88	X	.676	.676	0	%100
8	M88	Z	-1.17	-1.17	0	%100
9	M101	X	.041	.041	0	%100
10	M101	Z	-.07	-.07	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	0	0	0	%100
13	M103	X	.041	.041	0	%100
14	M103	Z	-.07	-.07	0	%100
15	M104	X	.109	.109	0	%100
16	M104	Z	-.188	-.188	0	%100
17	M105	X	.435	.435	0	%100
18	M105	Z	-.753	-.753	0	%100
19	M34	X	.405	.405	0	%100
20	M34	Z	-.702	-.702	0	%100
21	M43	X	.405	.405	0	%100
22	M43	Z	-.702	-.702	0	%100
23	M52	X	.246	.246	0	%100
24	M52	Z	-.426	-.426	0	%100
25	M53	X	.214	.214	0	%100
26	M53	Z	-.371	-.371	0	%100
27	M54	X	.214	.214	0	%100
28	M54	Z	-.371	-.371	0	%100
29	M55	X	.214	.214	0	%100
30	M55	Z	-.371	-.371	0	%100
31	MP3C	X	.214	.214	0	%100
32	MP3C	Z	-.371	-.371	0	%100
33	M57	X	.214	.214	0	%100
34	M57	Z	-.371	-.371	0	%100
35	M58	X	.214	.214	0	%100
36	M58	Z	-.371	-.371	0	%100
37	M59	X	.246	.246	0	%100
38	M59	Z	-.426	-.426	0	%100
39	M60	X	.246	.246	0	%100
40	M60	Z	-.426	-.426	0	%100
41	M57A	X	.405	.405	0	%100
42	M57A	Z	-.702	-.702	0	%100
43	M58A	X	.405	.405	0	%100
44	M58A	Z	-.702	-.702	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	0	0	0	%100
49	M63	X	.572	.572	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,%]
50	M63	Z	-.991	-.991	0	%100
51	M65	X	.158	.158	0	%100
52	M65	Z	-.273	-.273	0	%100
53	M66	X	.158	.158	0	%100
54	M66	Z	-.273	-.273	0	%100
55	M67	X	.214	.214	0	%100
56	M67	Z	-.371	-.371	0	%100
57	M68	X	.214	.214	0	%100
58	M68	Z	-.371	-.371	0	%100
59	M69	X	.214	.214	0	%100
60	M69	Z	-.371	-.371	0	%100
61	M70	X	.214	.214	0	%100
62	M70	Z	-.371	-.371	0	%100
63	M71	X	.214	.214	0	%100
64	M71	Z	-.371	-.371	0	%100
65	M72	X	.214	.214	0	%100
66	M72	Z	-.371	-.371	0	%100
67	MP5A	X	.257	.257	0	%100
68	MP5A	Z	-.445	-.445	0	%100
69	MP1B	X	.257	.257	0	%100
70	MP1B	Z	-.445	-.445	0	%100
71	MP5C	X	.257	.257	0	%100
72	MP5C	Z	-.445	-.445	0	%100
73	MP1A	X	.257	.257	0	%100
74	MP1A	Z	-.445	-.445	0	%100
75	MP5B	X	.257	.257	0	%100
76	MP5B	Z	-.445	-.445	0	%100
77	MP1C	X	.257	.257	0	%100
78	MP1C	Z	-.445	-.445	0	%100
79	MP3A	X	.257	.257	0	%100
80	MP3A	Z	-.445	-.445	0	%100
81	MP4A	X	.257	.257	0	%100
82	MP4A	Z	-.445	-.445	0	%100
83	MP2A	X	.257	.257	0	%100
84	MP2A	Z	-.445	-.445	0	%100
85	M90B	X	.257	.257	0	%100
86	M90B	Z	-.445	-.445	0	%100
87	MP4C	X	.257	.257	0	%100
88	MP4C	Z	-.445	-.445	0	%100
89	MP2C	X	.257	.257	0	%100
90	MP2C	Z	-.445	-.445	0	%100
91	MP3B	X	.257	.257	0	%100
92	MP3B	Z	-.445	-.445	0	%100
93	MP4B	X	.257	.257	0	%100
94	MP4B	Z	-.445	-.445	0	%100
95	MP2B	X	.257	.257	0	%100
96	MP2B	Z	-.445	-.445	0	%100
97	M106	X	.414	.414	0	%100
98	M106	Z	-.717	-.717	0	%100
99	M107	X	.414	.414	0	%100
100	M107	Z	-.717	-.717	0	%100
101	M108	X	.45	.45	0	%100
102	M108	Z	-.78	-.78	0	%100
103	M109	X	.261	.261	0	%100
104	M109	Z	-.453	-.453	0	%100
105	M110	X	.261	.261	0	%100
106	M110	Z	-.453	-.453	0	%100
107	M111	X	.445	.445	0	%100
108	M111	Z	-.771	-.771	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	M73	X	.39	.39	0	%100
2	M73	Z	-.225	-.225	0	%100
3	M76	X	.565	.565	0	%100
4	M76	Z	-.326	-.326	0	%100
5	M87	X	.39	.39	0	%100
6	M87	Z	-.225	-.225	0	%100
7	M88	X	1.56	1.56	0	%100
8	M88	Z	-.901	-.901	0	%100
9	M101	X	.094	.094	0	%100
10	M101	Z	-.054	-.054	0	%100
11	M102	X	.023	.023	0	%100
12	M102	Z	-.014	-.014	0	%100
13	M103	X	.023	.023	0	%100
14	M103	Z	-.014	-.014	0	%100
15	M104	X	0	0	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	.565	.565	0	%100
18	M105	Z	-.326	-.326	0	%100
19	M34	X	.234	.234	0	%100
20	M34	Z	-.135	-.135	0	%100
21	M43	X	.234	.234	0	%100
22	M43	Z	-.135	-.135	0	%100
23	M52	X	.426	.426	0	%100
24	M52	Z	-.246	-.246	0	%100
25	M53	X	.371	.371	0	%100
26	M53	Z	-.214	-.214	0	%100
27	M54	X	.371	.371	0	%100
28	M54	Z	-.214	-.214	0	%100
29	M55	X	.371	.371	0	%100
30	M55	Z	-.214	-.214	0	%100
31	MP3C	X	.371	.371	0	%100
32	MP3C	Z	-.214	-.214	0	%100
33	M57	X	.371	.371	0	%100
34	M57	Z	-.214	-.214	0	%100
35	M58	X	.371	.371	0	%100
36	M58	Z	-.214	-.214	0	%100
37	M59	X	.426	.426	0	%100
38	M59	Z	-.246	-.246	0	%100
39	M60	X	.426	.426	0	%100
40	M60	Z	-.246	-.246	0	%100
41	M57A	X	.936	.936	0	%100
42	M57A	Z	-.54	-.54	0	%100
43	M58A	X	.936	.936	0	%100
44	M58A	Z	-.54	-.54	0	%100
45	M59A	X	.234	.234	0	%100
46	M59A	Z	-.135	-.135	0	%100
47	M60A	X	.234	.234	0	%100
48	M60A	Z	-.135	-.135	0	%100
49	M63	X	.33	.33	0	%100
50	M63	Z	-.191	-.191	0	%100
51	M65	X	.819	.819	0	%100
52	M65	Z	-.473	-.473	0	%100
53	M66	X	.819	.819	0	%100
54	M66	Z	-.473	-.473	0	%100
55	M67	X	.371	.371	0	%100
56	M67	Z	-.214	-.214	0	%100
57	M68	X	.371	.371	0	%100
58	M68	Z	-.214	-.214	0	%100
59	M69	X	.371	.371	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,%]
60	M69	Z	-.214	-.214	0	%100
61	M70	X	.371	.371	0	%100
62	M70	Z	-.214	-.214	0	%100
63	M71	X	.371	.371	0	%100
64	M71	Z	-.214	-.214	0	%100
65	M72	X	.371	.371	0	%100
66	M72	Z	-.214	-.214	0	%100
67	MP5A	X	.445	.445	0	%100
68	MP5A	Z	-.257	-.257	0	%100
69	MP1B	X	.445	.445	0	%100
70	MP1B	Z	-.257	-.257	0	%100
71	MP5C	X	.445	.445	0	%100
72	MP5C	Z	-.257	-.257	0	%100
73	MP1A	X	.445	.445	0	%100
74	MP1A	Z	-.257	-.257	0	%100
75	MP5B	X	.445	.445	0	%100
76	MP5B	Z	-.257	-.257	0	%100
77	MP1C	X	.445	.445	0	%100
78	MP1C	Z	-.257	-.257	0	%100
79	MP3A	X	.445	.445	0	%100
80	MP3A	Z	-.257	-.257	0	%100
81	MP4A	X	.445	.445	0	%100
82	MP4A	Z	-.257	-.257	0	%100
83	MP2A	X	.445	.445	0	%100
84	MP2A	Z	-.257	-.257	0	%100
85	M90B	X	.445	.445	0	%100
86	M90B	Z	-.257	-.257	0	%100
87	MP4C	X	.445	.445	0	%100
88	MP4C	Z	-.257	-.257	0	%100
89	MP2C	X	.445	.445	0	%100
90	MP2C	Z	-.257	-.257	0	%100
91	MP3B	X	.445	.445	0	%100
92	MP3B	Z	-.257	-.257	0	%100
93	MP4B	X	.445	.445	0	%100
94	MP4B	Z	-.257	-.257	0	%100
95	MP2B	X	.445	.445	0	%100
96	MP2B	Z	-.257	-.257	0	%100
97	M106	X	.759	.759	0	%100
98	M106	Z	-.438	-.438	0	%100
99	M107	X	.696	.696	0	%100
100	M107	Z	-.402	-.402	0	%100
101	M108	X	.759	.759	0	%100
102	M108	Z	-.438	-.438	0	%100
103	M109	X	.665	.665	0	%100
104	M109	Z	-.384	-.384	0	%100
105	M110	X	.347	.347	0	%100
106	M110	Z	-.2	-.2	0	%100
107	M111	X	.665	.665	0	%100
108	M111	Z	-.384	-.384	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M76	X	.87	.87	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	1.351	1.351	0	%100
6	M87	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,%]
7	M88	X	1.351	1.351	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	.081	.081	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	.081	.081	0	%100
12	M102	Z	0	0	0	%100
13	M103	X	0	0	0	%100
14	M103	Z	0	0	0	%100
15	M104	X	.217	.217	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	.217	.217	0	%100
18	M105	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	0	0	0	%100
23	M52	X	.492	.492	0	%100
24	M52	Z	0	0	0	%100
25	M53	X	.428	.428	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	.428	.428	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	.428	.428	0	%100
30	M55	Z	0	0	0	%100
31	MP3C	X	.428	.428	0	%100
32	MP3C	Z	0	0	0	%100
33	M57	X	.428	.428	0	%100
34	M57	Z	0	0	0	%100
35	M58	X	.428	.428	0	%100
36	M58	Z	0	0	0	%100
37	M59	X	.492	.492	0	%100
38	M59	Z	0	0	0	%100
39	M60	X	.492	.492	0	%100
40	M60	Z	0	0	0	%100
41	M57A	X	.811	.811	0	%100
42	M57A	Z	0	0	0	%100
43	M58A	X	.811	.811	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	.811	.811	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	.811	.811	0	%100
48	M60A	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M65	X	1.261	1.261	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	1.261	1.261	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	.428	.428	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	.428	.428	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	.428	.428	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	.428	.428	0	%100
62	M70	Z	0	0	0	%100
63	M71	X	.428	.428	0	%100
64	M71	Z	0	0	0	%100
65	M72	X	.428	.428	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,%]
66	M72	Z	0	0	0	%100
67	MP5A	X	.513	.513	0	%100
68	MP5A	Z	0	0	0	%100
69	MP1B	X	.513	.513	0	%100
70	MP1B	Z	0	0	0	%100
71	MP5C	X	.513	.513	0	%100
72	MP5C	Z	0	0	0	%100
73	MP1A	X	.513	.513	0	%100
74	MP1A	Z	0	0	0	%100
75	MP5B	X	.513	.513	0	%100
76	MP5B	Z	0	0	0	%100
77	MP1C	X	.513	.513	0	%100
78	MP1C	Z	0	0	0	%100
79	MP3A	X	.513	.513	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	.513	.513	0	%100
82	MP4A	Z	0	0	0	%100
83	MP2A	X	.513	.513	0	%100
84	MP2A	Z	0	0	0	%100
85	M90B	X	.513	.513	0	%100
86	M90B	Z	0	0	0	%100
87	MP4C	X	.513	.513	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	.513	.513	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3B	X	.513	.513	0	%100
92	MP3B	Z	0	0	0	%100
93	MP4B	X	.513	.513	0	%100
94	MP4B	Z	0	0	0	%100
95	MP2B	X	.513	.513	0	%100
96	MP2B	Z	0	0	0	%100
97	M106	X	.901	.901	0	%100
98	M106	Z	0	0	0	%100
99	M107	X	.828	.828	0	%100
100	M107	Z	0	0	0	%100
101	M108	X	.828	.828	0	%100
102	M108	Z	0	0	0	%100
103	M109	X	.89	.89	0	%100
104	M109	Z	0	0	0	%100
105	M110	X	.523	.523	0	%100
106	M110	Z	0	0	0	%100
107	M111	X	.523	.523	0	%100
108	M111	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	M73	X	.39	.39	0	%100
2	M73	Z	.225	.225	0	%100
3	M76	X	.565	.565	0	%100
4	M76	Z	.326	.326	0	%100
5	M87	X	1.56	1.56	0	%100
6	M87	Z	.901	.901	0	%100
7	M88	X	.39	.39	0	%100
8	M88	Z	.225	.225	0	%100
9	M101	X	.023	.023	0	%100
10	M101	Z	.014	.014	0	%100
11	M102	X	.094	.094	0	%100
12	M102	Z	.054	.054	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,%]
13	M103	X	.023	.023	0	%100
14	M103	Z	.014	.014	0	%100
15	M104	X	.565	.565	0	%100
16	M104	Z	.326	.326	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	0	0	0	%100
19	M34	X	.234	.234	0	%100
20	M34	Z	.135	.135	0	%100
21	M43	X	.234	.234	0	%100
22	M43	Z	.135	.135	0	%100
23	M52	X	.426	.426	0	%100
24	M52	Z	.246	.246	0	%100
25	M53	X	.371	.371	0	%100
26	M53	Z	.214	.214	0	%100
27	M54	X	.371	.371	0	%100
28	M54	Z	.214	.214	0	%100
29	M55	X	.371	.371	0	%100
30	M55	Z	.214	.214	0	%100
31	MP3C	X	.371	.371	0	%100
32	MP3C	Z	.214	.214	0	%100
33	M57	X	.371	.371	0	%100
34	M57	Z	.214	.214	0	%100
35	M58	X	.371	.371	0	%100
36	M58	Z	.214	.214	0	%100
37	M59	X	.426	.426	0	%100
38	M59	Z	.246	.246	0	%100
39	M60	X	.426	.426	0	%100
40	M60	Z	.246	.246	0	%100
41	M57A	X	.234	.234	0	%100
42	M57A	Z	.135	.135	0	%100
43	M58A	X	.234	.234	0	%100
44	M58A	Z	.135	.135	0	%100
45	M59A	X	.936	.936	0	%100
46	M59A	Z	.54	.54	0	%100
47	M60A	X	.936	.936	0	%100
48	M60A	Z	.54	.54	0	%100
49	M63	X	.33	.33	0	%100
50	M63	Z	.191	.191	0	%100
51	M65	X	.819	.819	0	%100
52	M65	Z	.473	.473	0	%100
53	M66	X	.819	.819	0	%100
54	M66	Z	.473	.473	0	%100
55	M67	X	.371	.371	0	%100
56	M67	Z	.214	.214	0	%100
57	M68	X	.371	.371	0	%100
58	M68	Z	.214	.214	0	%100
59	M69	X	.371	.371	0	%100
60	M69	Z	.214	.214	0	%100
61	M70	X	.371	.371	0	%100
62	M70	Z	.214	.214	0	%100
63	M71	X	.371	.371	0	%100
64	M71	Z	.214	.214	0	%100
65	M72	X	.371	.371	0	%100
66	M72	Z	.214	.214	0	%100
67	MP5A	X	.445	.445	0	%100
68	MP5A	Z	.257	.257	0	%100
69	MP1B	X	.445	.445	0	%100
70	MP1B	Z	.257	.257	0	%100
71	MP5C	X	.445	.445	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,%]
72	MP5C	Z	.257	.257	0	%100
73	MP1A	X	.445	.445	0	%100
74	MP1A	Z	.257	.257	0	%100
75	MP5B	X	.445	.445	0	%100
76	MP5B	Z	.257	.257	0	%100
77	MP1C	X	.445	.445	0	%100
78	MP1C	Z	.257	.257	0	%100
79	MP3A	X	.445	.445	0	%100
80	MP3A	Z	.257	.257	0	%100
81	MP4A	X	.445	.445	0	%100
82	MP4A	Z	.257	.257	0	%100
83	MP2A	X	.445	.445	0	%100
84	MP2A	Z	.257	.257	0	%100
85	M90B	X	.445	.445	0	%100
86	M90B	Z	.257	.257	0	%100
87	MP4C	X	.445	.445	0	%100
88	MP4C	Z	.257	.257	0	%100
89	MP2C	X	.445	.445	0	%100
90	MP2C	Z	.257	.257	0	%100
91	MP3B	X	.445	.445	0	%100
92	MP3B	Z	.257	.257	0	%100
93	MP4B	X	.445	.445	0	%100
94	MP4B	Z	.257	.257	0	%100
95	MP2B	X	.445	.445	0	%100
96	MP2B	Z	.257	.257	0	%100
97	M106	X	.759	.759	0	%100
98	M106	Z	.438	.438	0	%100
99	M107	X	.759	.759	0	%100
100	M107	Z	.438	.438	0	%100
101	M108	X	.696	.696	0	%100
102	M108	Z	.402	.402	0	%100
103	M109	X	.665	.665	0	%100
104	M109	Z	.384	.384	0	%100
105	M110	X	.665	.665	0	%100
106	M110	Z	.384	.384	0	%100
107	M111	X	.347	.347	0	%100
108	M111	Z	.2	.2	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	M73	X	.676	.676	0	%100
2	M73	Z	1.17	1.17	0	%100
3	M76	X	.109	.109	0	%100
4	M76	Z	.188	.188	0	%100
5	M87	X	.676	.676	0	%100
6	M87	Z	1.17	1.17	0	%100
7	M88	X	0	0	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	.041	.041	0	%100
12	M102	Z	.07	.07	0	%100
13	M103	X	.041	.041	0	%100
14	M103	Z	.07	.07	0	%100
15	M104	X	.435	.435	0	%100
16	M104	Z	.753	.753	0	%100
17	M105	X	.109	.109	0	%100
18	M105	Z	.188	.188	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,%]
19	M34	X	.405	.405	0	%100
20	M34	Z	.702	.702	0	%100
21	M43	X	.405	.405	0	%100
22	M43	Z	.702	.702	0	%100
23	M52	X	.246	.246	0	%100
24	M52	Z	.426	.426	0	%100
25	M53	X	.214	.214	0	%100
26	M53	Z	.371	.371	0	%100
27	M54	X	.214	.214	0	%100
28	M54	Z	.371	.371	0	%100
29	M55	X	.214	.214	0	%100
30	M55	Z	.371	.371	0	%100
31	MP3C	X	.214	.214	0	%100
32	MP3C	Z	.371	.371	0	%100
33	M57	X	.214	.214	0	%100
34	M57	Z	.371	.371	0	%100
35	M58	X	.214	.214	0	%100
36	M58	Z	.371	.371	0	%100
37	M59	X	.246	.246	0	%100
38	M59	Z	.426	.426	0	%100
39	M60	X	.246	.246	0	%100
40	M60	Z	.426	.426	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	0	0	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	.405	.405	0	%100
46	M59A	Z	.702	.702	0	%100
47	M60A	X	.405	.405	0	%100
48	M60A	Z	.702	.702	0	%100
49	M63	X	.572	.572	0	%100
50	M63	Z	.991	.991	0	%100
51	M65	X	.158	.158	0	%100
52	M65	Z	.273	.273	0	%100
53	M66	X	.158	.158	0	%100
54	M66	Z	.273	.273	0	%100
55	M67	X	.214	.214	0	%100
56	M67	Z	.371	.371	0	%100
57	M68	X	.214	.214	0	%100
58	M68	Z	.371	.371	0	%100
59	M69	X	.214	.214	0	%100
60	M69	Z	.371	.371	0	%100
61	M70	X	.214	.214	0	%100
62	M70	Z	.371	.371	0	%100
63	M71	X	.214	.214	0	%100
64	M71	Z	.371	.371	0	%100
65	M72	X	.214	.214	0	%100
66	M72	Z	.371	.371	0	%100
67	MP5A	X	.257	.257	0	%100
68	MP5A	Z	.445	.445	0	%100
69	MP1B	X	.257	.257	0	%100
70	MP1B	Z	.445	.445	0	%100
71	MP5C	X	.257	.257	0	%100
72	MP5C	Z	.445	.445	0	%100
73	MP1A	X	.257	.257	0	%100
74	MP1A	Z	.445	.445	0	%100
75	MP5B	X	.257	.257	0	%100
76	MP5B	Z	.445	.445	0	%100
77	MP1C	X	.257	.257	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,%]
78	MP1C	Z	.445	.445	0	%100
79	MP3A	X	.257	.257	0	%100
80	MP3A	Z	.445	.445	0	%100
81	MP4A	X	.257	.257	0	%100
82	MP4A	Z	.445	.445	0	%100
83	MP2A	X	.257	.257	0	%100
84	MP2A	Z	.445	.445	0	%100
85	M90B	X	.257	.257	0	%100
86	M90B	Z	.445	.445	0	%100
87	MP4C	X	.257	.257	0	%100
88	MP4C	Z	.445	.445	0	%100
89	MP2C	X	.257	.257	0	%100
90	MP2C	Z	.445	.445	0	%100
91	MP3B	X	.257	.257	0	%100
92	MP3B	Z	.445	.445	0	%100
93	MP4B	X	.257	.257	0	%100
94	MP4B	Z	.445	.445	0	%100
95	MP2B	X	.257	.257	0	%100
96	MP2B	Z	.445	.445	0	%100
97	M106	X	.414	.414	0	%100
98	M106	Z	.717	.717	0	%100
99	M107	X	.45	.45	0	%100
100	M107	Z	.78	.78	0	%100
101	M108	X	.414	.414	0	%100
102	M108	Z	.717	.717	0	%100
103	M109	X	.261	.261	0	%100
104	M109	Z	.453	.453	0	%100
105	M110	X	.445	.445	0	%100
106	M110	Z	.771	.771	0	%100
107	M111	X	.261	.261	0	%100
108	M111	Z	.453	.453	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	M73	X	0	0	0	%100
2	M73	Z	1.801	1.801	0	%100
3	M76	X	0	0	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	.45	.45	0	%100
7	M88	X	0	0	0	%100
8	M88	Z	.45	.45	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	.027	.027	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	.027	.027	0	%100
13	M103	X	0	0	0	%100
14	M103	Z	.108	.108	0	%100
15	M104	X	0	0	0	%100
16	M104	Z	.652	.652	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	.652	.652	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	1.081	1.081	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	1.081	1.081	0	%100
23	M52	X	0	0	0	%100
24	M52	Z	.492	.492	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,%]
25	M53	X	0	0	0	%100
26	M53	Z	.428	.428	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	.428	.428	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	.428	.428	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	.428	.428	0	%100
33	M57	X	0	0	0	%100
34	M57	Z	.428	.428	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	.428	.428	0	%100
37	M59	X	0	0	0	%100
38	M59	Z	.492	.492	0	%100
39	M60	X	0	0	0	%100
40	M60	Z	.492	.492	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	.27	.27	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.27	.27	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	.27	.27	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	.27	.27	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	1.526	1.526	0	%100
51	M65	X	0	0	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	0	0	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	.428	.428	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	.428	.428	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	.428	.428	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	.428	.428	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	.428	.428	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	.428	.428	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	.513	.513	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	.513	.513	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	.513	.513	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	.513	.513	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	.513	.513	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	.513	.513	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	.513	.513	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	.513	.513	0	%100
83	MP2A	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,%]
84	MP2A	Z	.513	.513	0	%100
85	M90B	X	0	0	0	%100
86	M90B	Z	.513	.513	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	.513	.513	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	.513	.513	0	%100
91	MP3B	X	0	0	0	%100
92	MP3B	Z	.513	.513	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	.513	.513	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	.513	.513	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	.804	.804	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	.877	.877	0	%100
101	M108	X	0	0	0	%100
102	M108	Z	.877	.877	0	%100
103	M109	X	0	0	0	%100
104	M109	Z	.4	.4	0	%100
105	M110	X	0	0	0	%100
106	M110	Z	.768	.768	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	.768	.768	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	M73	X	-.676	-.676	0	%100
2	M73	Z	1.17	1.17	0	%100
3	M76	X	-.109	-.109	0	%100
4	M76	Z	.188	.188	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M88	X	-.676	-.676	0	%100
8	M88	Z	1.17	1.17	0	%100
9	M101	X	-.041	-.041	0	%100
10	M101	Z	.07	.07	0	%100
11	M102	X	0	0	0	%100
12	M102	Z	0	0	0	%100
13	M103	X	-.041	-.041	0	%100
14	M103	Z	.07	.07	0	%100
15	M104	X	-.109	-.109	0	%100
16	M104	Z	.188	.188	0	%100
17	M105	X	-.435	-.435	0	%100
18	M105	Z	.753	.753	0	%100
19	M34	X	-.405	-.405	0	%100
20	M34	Z	.702	.702	0	%100
21	M43	X	-.405	-.405	0	%100
22	M43	Z	.702	.702	0	%100
23	M52	X	-.246	-.246	0	%100
24	M52	Z	.426	.426	0	%100
25	M53	X	-.214	-.214	0	%100
26	M53	Z	.371	.371	0	%100
27	M54	X	-.214	-.214	0	%100
28	M54	Z	.371	.371	0	%100
29	M55	X	-.214	-.214	0	%100
30	M55	Z	.371	.371	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,%]
31	MP3C	X	-.214	-.214	0	%100
32	MP3C	Z	.371	.371	0	%100
33	M57	X	-.214	-.214	0	%100
34	M57	Z	.371	.371	0	%100
35	M58	X	-.214	-.214	0	%100
36	M58	Z	.371	.371	0	%100
37	M59	X	-.246	-.246	0	%100
38	M59	Z	.426	.426	0	%100
39	M60	X	-.246	-.246	0	%100
40	M60	Z	.426	.426	0	%100
41	M57A	X	-.405	-.405	0	%100
42	M57A	Z	.702	.702	0	%100
43	M58A	X	-.405	-.405	0	%100
44	M58A	Z	.702	.702	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	0	0	0	%100
48	M60A	Z	0	0	0	%100
49	M63	X	-.572	-.572	0	%100
50	M63	Z	.991	.991	0	%100
51	M65	X	-.158	-.158	0	%100
52	M65	Z	.273	.273	0	%100
53	M66	X	-.158	-.158	0	%100
54	M66	Z	.273	.273	0	%100
55	M67	X	-.214	-.214	0	%100
56	M67	Z	.371	.371	0	%100
57	M68	X	-.214	-.214	0	%100
58	M68	Z	.371	.371	0	%100
59	M69	X	-.214	-.214	0	%100
60	M69	Z	.371	.371	0	%100
61	M70	X	-.214	-.214	0	%100
62	M70	Z	.371	.371	0	%100
63	M71	X	-.214	-.214	0	%100
64	M71	Z	.371	.371	0	%100
65	M72	X	-.214	-.214	0	%100
66	M72	Z	.371	.371	0	%100
67	MP5A	X	-.257	-.257	0	%100
68	MP5A	Z	.445	.445	0	%100
69	MP1B	X	-.257	-.257	0	%100
70	MP1B	Z	.445	.445	0	%100
71	MP5C	X	-.257	-.257	0	%100
72	MP5C	Z	.445	.445	0	%100
73	MP1A	X	-.257	-.257	0	%100
74	MP1A	Z	.445	.445	0	%100
75	MP5B	X	-.257	-.257	0	%100
76	MP5B	Z	.445	.445	0	%100
77	MP1C	X	-.257	-.257	0	%100
78	MP1C	Z	.445	.445	0	%100
79	MP3A	X	-.257	-.257	0	%100
80	MP3A	Z	.445	.445	0	%100
81	MP4A	X	-.257	-.257	0	%100
82	MP4A	Z	.445	.445	0	%100
83	MP2A	X	-.257	-.257	0	%100
84	MP2A	Z	.445	.445	0	%100
85	M90B	X	-.257	-.257	0	%100
86	M90B	Z	.445	.445	0	%100
87	MP4C	X	-.257	-.257	0	%100
88	MP4C	Z	.445	.445	0	%100
89	MP2C	X	-.257	-.257	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,%]
90	MP2C	Z	.445	.445	0	%100
91	MP3B	X	-.257	-.257	0	%100
92	MP3B	Z	.445	.445	0	%100
93	MP4B	X	-.257	-.257	0	%100
94	MP4B	Z	.445	.445	0	%100
95	MP2B	X	-.257	-.257	0	%100
96	MP2B	Z	.445	.445	0	%100
97	M106	X	-.414	-.414	0	%100
98	M106	Z	.717	.717	0	%100
99	M107	X	-.414	-.414	0	%100
100	M107	Z	.717	.717	0	%100
101	M108	X	-.45	-.45	0	%100
102	M108	Z	.78	.78	0	%100
103	M109	X	-.261	-.261	0	%100
104	M109	Z	.453	.453	0	%100
105	M110	X	-.261	-.261	0	%100
106	M110	Z	.453	.453	0	%100
107	M111	X	-.445	-.445	0	%100
108	M111	Z	.771	.771	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	M73	X	-.39	-.39	0	%100
2	M73	Z	.225	.225	0	%100
3	M76	X	-.565	-.565	0	%100
4	M76	Z	.326	.326	0	%100
5	M87	X	-.39	-.39	0	%100
6	M87	Z	.225	.225	0	%100
7	M88	X	-1.56	-1.56	0	%100
8	M88	Z	.901	.901	0	%100
9	M101	X	-.094	-.094	0	%100
10	M101	Z	.054	.054	0	%100
11	M102	X	-.023	-.023	0	%100
12	M102	Z	.014	.014	0	%100
13	M103	X	-.023	-.023	0	%100
14	M103	Z	.014	.014	0	%100
15	M104	X	0	0	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	-.565	-.565	0	%100
18	M105	Z	.326	.326	0	%100
19	M34	X	-.234	-.234	0	%100
20	M34	Z	.135	.135	0	%100
21	M43	X	-.234	-.234	0	%100
22	M43	Z	.135	.135	0	%100
23	M52	X	-.426	-.426	0	%100
24	M52	Z	.246	.246	0	%100
25	M53	X	-.371	-.371	0	%100
26	M53	Z	.214	.214	0	%100
27	M54	X	-.371	-.371	0	%100
28	M54	Z	.214	.214	0	%100
29	M55	X	-.371	-.371	0	%100
30	M55	Z	.214	.214	0	%100
31	MP3C	X	-.371	-.371	0	%100
32	MP3C	Z	.214	.214	0	%100
33	M57	X	-.371	-.371	0	%100
34	M57	Z	.214	.214	0	%100
35	M58	X	-.371	-.371	0	%100
36	M58	Z	.214	.214	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,%]
37	M59	X	-.426	-.426	0	%100
38	M59	Z	.246	.246	0	%100
39	M60	X	-.426	-.426	0	%100
40	M60	Z	.246	.246	0	%100
41	M57A	X	-.936	-.936	0	%100
42	M57A	Z	.54	.54	0	%100
43	M58A	X	-.936	-.936	0	%100
44	M58A	Z	.54	.54	0	%100
45	M59A	X	-.234	-.234	0	%100
46	M59A	Z	.135	.135	0	%100
47	M60A	X	-.234	-.234	0	%100
48	M60A	Z	.135	.135	0	%100
49	M63	X	-.33	-.33	0	%100
50	M63	Z	.191	.191	0	%100
51	M65	X	-.819	-.819	0	%100
52	M65	Z	.473	.473	0	%100
53	M66	X	-.819	-.819	0	%100
54	M66	Z	.473	.473	0	%100
55	M67	X	-.371	-.371	0	%100
56	M67	Z	.214	.214	0	%100
57	M68	X	-.371	-.371	0	%100
58	M68	Z	.214	.214	0	%100
59	M69	X	-.371	-.371	0	%100
60	M69	Z	.214	.214	0	%100
61	M70	X	-.371	-.371	0	%100
62	M70	Z	.214	.214	0	%100
63	M71	X	-.371	-.371	0	%100
64	M71	Z	.214	.214	0	%100
65	M72	X	-.371	-.371	0	%100
66	M72	Z	.214	.214	0	%100
67	MP5A	X	-.445	-.445	0	%100
68	MP5A	Z	.257	.257	0	%100
69	MP1B	X	-.445	-.445	0	%100
70	MP1B	Z	.257	.257	0	%100
71	MP5C	X	-.445	-.445	0	%100
72	MP5C	Z	.257	.257	0	%100
73	MP1A	X	-.445	-.445	0	%100
74	MP1A	Z	.257	.257	0	%100
75	MP5B	X	-.445	-.445	0	%100
76	MP5B	Z	.257	.257	0	%100
77	MP1C	X	-.445	-.445	0	%100
78	MP1C	Z	.257	.257	0	%100
79	MP3A	X	-.445	-.445	0	%100
80	MP3A	Z	.257	.257	0	%100
81	MP4A	X	-.445	-.445	0	%100
82	MP4A	Z	.257	.257	0	%100
83	MP2A	X	-.445	-.445	0	%100
84	MP2A	Z	.257	.257	0	%100
85	M90B	X	-.445	-.445	0	%100
86	M90B	Z	.257	.257	0	%100
87	MP4C	X	-.445	-.445	0	%100
88	MP4C	Z	.257	.257	0	%100
89	MP2C	X	-.445	-.445	0	%100
90	MP2C	Z	.257	.257	0	%100
91	MP3B	X	-.445	-.445	0	%100
92	MP3B	Z	.257	.257	0	%100
93	MP4B	X	-.445	-.445	0	%100
94	MP4B	Z	.257	.257	0	%100
95	MP2B	X	-.445	-.445	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,%]
96	MP2B	Z	.257	.257	0	%100
97	M106	X	-.759	-.759	0	%100
98	M106	Z	.438	.438	0	%100
99	M107	X	-.696	-.696	0	%100
100	M107	Z	.402	.402	0	%100
101	M108	X	-.759	-.759	0	%100
102	M108	Z	.438	.438	0	%100
103	M109	X	-.665	-.665	0	%100
104	M109	Z	.384	.384	0	%100
105	M110	X	-.347	-.347	0	%100
106	M110	Z	.2	.2	0	%100
107	M111	X	-.665	-.665	0	%100
108	M111	Z	.384	.384	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M76	X	-.87	-.87	0	%100
4	M76	Z	0	0	0	%100
5	M87	X	-1.351	-1.351	0	%100
6	M87	Z	0	0	0	%100
7	M88	X	-1.351	-1.351	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	-.081	-.081	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	-.081	-.081	0	%100
12	M102	Z	0	0	0	%100
13	M103	X	0	0	0	%100
14	M103	Z	0	0	0	%100
15	M104	X	-.217	-.217	0	%100
16	M104	Z	0	0	0	%100
17	M105	X	-.217	-.217	0	%100
18	M105	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M43	X	0	0	0	%100
22	M43	Z	0	0	0	%100
23	M52	X	-.492	-.492	0	%100
24	M52	Z	0	0	0	%100
25	M53	X	-.428	-.428	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	-.428	-.428	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-.428	-.428	0	%100
30	M55	Z	0	0	0	%100
31	MP3C	X	-.428	-.428	0	%100
32	MP3C	Z	0	0	0	%100
33	M57	X	-.428	-.428	0	%100
34	M57	Z	0	0	0	%100
35	M58	X	-.428	-.428	0	%100
36	M58	Z	0	0	0	%100
37	M59	X	-.492	-.492	0	%100
38	M59	Z	0	0	0	%100
39	M60	X	-.492	-.492	0	%100
40	M60	Z	0	0	0	%100
41	M57A	X	-.811	-.811	0	%100
42	M57A	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,%]
43	M58A	X	-.811	-.811	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-.811	-.811	0	%100
46	M59A	Z	0	0	0	%100
47	M60A	X	-.811	-.811	0	%100
48	M60A	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M65	X	-1.261	-1.261	0	%100
52	M65	Z	0	0	0	%100
53	M66	X	-1.261	-1.261	0	%100
54	M66	Z	0	0	0	%100
55	M67	X	-.428	-.428	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	-.428	-.428	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	-.428	-.428	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	-.428	-.428	0	%100
62	M70	Z	0	0	0	%100
63	M71	X	-.428	-.428	0	%100
64	M71	Z	0	0	0	%100
65	M72	X	-.428	-.428	0	%100
66	M72	Z	0	0	0	%100
67	MP5A	X	-.513	-.513	0	%100
68	MP5A	Z	0	0	0	%100
69	MP1B	X	-.513	-.513	0	%100
70	MP1B	Z	0	0	0	%100
71	MP5C	X	-.513	-.513	0	%100
72	MP5C	Z	0	0	0	%100
73	MP1A	X	-.513	-.513	0	%100
74	MP1A	Z	0	0	0	%100
75	MP5B	X	-.513	-.513	0	%100
76	MP5B	Z	0	0	0	%100
77	MP1C	X	-.513	-.513	0	%100
78	MP1C	Z	0	0	0	%100
79	MP3A	X	-.513	-.513	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-.513	-.513	0	%100
82	MP4A	Z	0	0	0	%100
83	MP2A	X	-.513	-.513	0	%100
84	MP2A	Z	0	0	0	%100
85	M90B	X	-.513	-.513	0	%100
86	M90B	Z	0	0	0	%100
87	MP4C	X	-.513	-.513	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-.513	-.513	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3B	X	-.513	-.513	0	%100
92	MP3B	Z	0	0	0	%100
93	MP4B	X	-.513	-.513	0	%100
94	MP4B	Z	0	0	0	%100
95	MP2B	X	-.513	-.513	0	%100
96	MP2B	Z	0	0	0	%100
97	M106	X	-.901	-.901	0	%100
98	M106	Z	0	0	0	%100
99	M107	X	-.828	-.828	0	%100
100	M107	Z	0	0	0	%100
101	M108	X	-.828	-.828	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,%]
102	M108	Z	0	0	0	%100
103	M109	X	-.89	-.89	0	%100
104	M109	Z	0	0	0	%100
105	M110	X	-.523	-.523	0	%100
106	M110	Z	0	0	0	%100
107	M111	X	-.523	-.523	0	%100
108	M111	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	M73	X	-.39	-.39	0	%100
2	M73	Z	-.225	-.225	0	%100
3	M76	X	-.565	-.565	0	%100
4	M76	Z	-.326	-.326	0	%100
5	M87	X	-1.56	-1.56	0	%100
6	M87	Z	-.901	-.901	0	%100
7	M88	X	-.39	-.39	0	%100
8	M88	Z	-.225	-.225	0	%100
9	M101	X	-.023	-.023	0	%100
10	M101	Z	-.014	-.014	0	%100
11	M102	X	-.094	-.094	0	%100
12	M102	Z	-.054	-.054	0	%100
13	M103	X	-.023	-.023	0	%100
14	M103	Z	-.014	-.014	0	%100
15	M104	X	-.565	-.565	0	%100
16	M104	Z	-.326	-.326	0	%100
17	M105	X	0	0	0	%100
18	M105	Z	0	0	0	%100
19	M34	X	-.234	-.234	0	%100
20	M34	Z	-.135	-.135	0	%100
21	M43	X	-.234	-.234	0	%100
22	M43	Z	-.135	-.135	0	%100
23	M52	X	-.426	-.426	0	%100
24	M52	Z	-.246	-.246	0	%100
25	M53	X	-.371	-.371	0	%100
26	M53	Z	-.214	-.214	0	%100
27	M54	X	-.371	-.371	0	%100
28	M54	Z	-.214	-.214	0	%100
29	M55	X	-.371	-.371	0	%100
30	M55	Z	-.214	-.214	0	%100
31	MP3C	X	-.371	-.371	0	%100
32	MP3C	Z	-.214	-.214	0	%100
33	M57	X	-.371	-.371	0	%100
34	M57	Z	-.214	-.214	0	%100
35	M58	X	-.371	-.371	0	%100
36	M58	Z	-.214	-.214	0	%100
37	M59	X	-.426	-.426	0	%100
38	M59	Z	-.246	-.246	0	%100
39	M60	X	-.426	-.426	0	%100
40	M60	Z	-.246	-.246	0	%100
41	M57A	X	-.234	-.234	0	%100
42	M57A	Z	-.135	-.135	0	%100
43	M58A	X	-.234	-.234	0	%100
44	M58A	Z	-.135	-.135	0	%100
45	M59A	X	-.936	-.936	0	%100
46	M59A	Z	-.54	-.54	0	%100
47	M60A	X	-.936	-.936	0	%100
48	M60A	Z	-.54	-.54	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,%]
49	M63	X	-.33	-.33	0	%100
50	M63	Z	-.191	-.191	0	%100
51	M65	X	-.819	-.819	0	%100
52	M65	Z	-.473	-.473	0	%100
53	M66	X	-.819	-.819	0	%100
54	M66	Z	-.473	-.473	0	%100
55	M67	X	-.371	-.371	0	%100
56	M67	Z	-.214	-.214	0	%100
57	M68	X	-.371	-.371	0	%100
58	M68	Z	-.214	-.214	0	%100
59	M69	X	-.371	-.371	0	%100
60	M69	Z	-.214	-.214	0	%100
61	M70	X	-.371	-.371	0	%100
62	M70	Z	-.214	-.214	0	%100
63	M71	X	-.371	-.371	0	%100
64	M71	Z	-.214	-.214	0	%100
65	M72	X	-.371	-.371	0	%100
66	M72	Z	-.214	-.214	0	%100
67	MP5A	X	-.445	-.445	0	%100
68	MP5A	Z	-.257	-.257	0	%100
69	MP1B	X	-.445	-.445	0	%100
70	MP1B	Z	-.257	-.257	0	%100
71	MP5C	X	-.445	-.445	0	%100
72	MP5C	Z	-.257	-.257	0	%100
73	MP1A	X	-.445	-.445	0	%100
74	MP1A	Z	-.257	-.257	0	%100
75	MP5B	X	-.445	-.445	0	%100
76	MP5B	Z	-.257	-.257	0	%100
77	MP1C	X	-.445	-.445	0	%100
78	MP1C	Z	-.257	-.257	0	%100
79	MP3A	X	-.445	-.445	0	%100
80	MP3A	Z	-.257	-.257	0	%100
81	MP4A	X	-.445	-.445	0	%100
82	MP4A	Z	-.257	-.257	0	%100
83	MP2A	X	-.445	-.445	0	%100
84	MP2A	Z	-.257	-.257	0	%100
85	M90B	X	-.445	-.445	0	%100
86	M90B	Z	-.257	-.257	0	%100
87	MP4C	X	-.445	-.445	0	%100
88	MP4C	Z	-.257	-.257	0	%100
89	MP2C	X	-.445	-.445	0	%100
90	MP2C	Z	-.257	-.257	0	%100
91	MP3B	X	-.445	-.445	0	%100
92	MP3B	Z	-.257	-.257	0	%100
93	MP4B	X	-.445	-.445	0	%100
94	MP4B	Z	-.257	-.257	0	%100
95	MP2B	X	-.445	-.445	0	%100
96	MP2B	Z	-.257	-.257	0	%100
97	M106	X	-.759	-.759	0	%100
98	M106	Z	-.438	-.438	0	%100
99	M107	X	-.759	-.759	0	%100
100	M107	Z	-.438	-.438	0	%100
101	M108	X	-.696	-.696	0	%100
102	M108	Z	-.402	-.402	0	%100
103	M109	X	-.665	-.665	0	%100
104	M109	Z	-.384	-.384	0	%100
105	M110	X	-.665	-.665	0	%100
106	M110	Z	-.384	-.384	0	%100
107	M111	X	-.347	-.347	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,%]
108	M111	Z	-.2	-.2	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	M73	X	-.676	-.676	0	%100
2	M73	Z	-1.17	-1.17	0	%100
3	M76	X	-.109	-.109	0	%100
4	M76	Z	-.188	-.188	0	%100
5	M87	X	-.676	-.676	0	%100
6	M87	Z	-1.17	-1.17	0	%100
7	M88	X	0	0	0	%100
8	M88	Z	0	0	0	%100
9	M101	X	0	0	0	%100
10	M101	Z	0	0	0	%100
11	M102	X	-.041	-.041	0	%100
12	M102	Z	-.07	-.07	0	%100
13	M103	X	-.041	-.041	0	%100
14	M103	Z	-.07	-.07	0	%100
15	M104	X	-.435	-.435	0	%100
16	M104	Z	-.753	-.753	0	%100
17	M105	X	-.109	-.109	0	%100
18	M105	Z	-.188	-.188	0	%100
19	M34	X	-.405	-.405	0	%100
20	M34	Z	-.702	-.702	0	%100
21	M43	X	-.405	-.405	0	%100
22	M43	Z	-.702	-.702	0	%100
23	M52	X	-.246	-.246	0	%100
24	M52	Z	-.426	-.426	0	%100
25	M53	X	-.214	-.214	0	%100
26	M53	Z	-.371	-.371	0	%100
27	M54	X	-.214	-.214	0	%100
28	M54	Z	-.371	-.371	0	%100
29	M55	X	-.214	-.214	0	%100
30	M55	Z	-.371	-.371	0	%100
31	MP3C	X	-.214	-.214	0	%100
32	MP3C	Z	-.371	-.371	0	%100
33	M57	X	-.214	-.214	0	%100
34	M57	Z	-.371	-.371	0	%100
35	M58	X	-.214	-.214	0	%100
36	M58	Z	-.371	-.371	0	%100
37	M59	X	-.246	-.246	0	%100
38	M59	Z	-.426	-.426	0	%100
39	M60	X	-.246	-.246	0	%100
40	M60	Z	-.426	-.426	0	%100
41	M57A	X	0	0	0	%100
42	M57A	Z	0	0	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-.405	-.405	0	%100
46	M59A	Z	-.702	-.702	0	%100
47	M60A	X	-.405	-.405	0	%100
48	M60A	Z	-.702	-.702	0	%100
49	M63	X	-.572	-.572	0	%100
50	M63	Z	-.991	-.991	0	%100
51	M65	X	-.158	-.158	0	%100
52	M65	Z	-.273	-.273	0	%100
53	M66	X	-.158	-.158	0	%100
54	M66	Z	-.273	-.273	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,%]
55	M67	X	-.214	-.214	0	%100
56	M67	Z	-.371	-.371	0	%100
57	M68	X	-.214	-.214	0	%100
58	M68	Z	-.371	-.371	0	%100
59	M69	X	-.214	-.214	0	%100
60	M69	Z	-.371	-.371	0	%100
61	M70	X	-.214	-.214	0	%100
62	M70	Z	-.371	-.371	0	%100
63	M71	X	-.214	-.214	0	%100
64	M71	Z	-.371	-.371	0	%100
65	M72	X	-.214	-.214	0	%100
66	M72	Z	-.371	-.371	0	%100
67	MP5A	X	-.257	-.257	0	%100
68	MP5A	Z	-.445	-.445	0	%100
69	MP1B	X	-.257	-.257	0	%100
70	MP1B	Z	-.445	-.445	0	%100
71	MP5C	X	-.257	-.257	0	%100
72	MP5C	Z	-.445	-.445	0	%100
73	MP1A	X	-.257	-.257	0	%100
74	MP1A	Z	-.445	-.445	0	%100
75	MP5B	X	-.257	-.257	0	%100
76	MP5B	Z	-.445	-.445	0	%100
77	MP1C	X	-.257	-.257	0	%100
78	MP1C	Z	-.445	-.445	0	%100
79	MP3A	X	-.257	-.257	0	%100
80	MP3A	Z	-.445	-.445	0	%100
81	MP4A	X	-.257	-.257	0	%100
82	MP4A	Z	-.445	-.445	0	%100
83	MP2A	X	-.257	-.257	0	%100
84	MP2A	Z	-.445	-.445	0	%100
85	M90B	X	-.257	-.257	0	%100
86	M90B	Z	-.445	-.445	0	%100
87	MP4C	X	-.257	-.257	0	%100
88	MP4C	Z	-.445	-.445	0	%100
89	MP2C	X	-.257	-.257	0	%100
90	MP2C	Z	-.445	-.445	0	%100
91	MP3B	X	-.257	-.257	0	%100
92	MP3B	Z	-.445	-.445	0	%100
93	MP4B	X	-.257	-.257	0	%100
94	MP4B	Z	-.445	-.445	0	%100
95	MP2B	X	-.257	-.257	0	%100
96	MP2B	Z	-.445	-.445	0	%100
97	M106	X	-.414	-.414	0	%100
98	M106	Z	-.717	-.717	0	%100
99	M107	X	-.45	-.45	0	%100
100	M107	Z	-.78	-.78	0	%100
101	M108	X	-.414	-.414	0	%100
102	M108	Z	-.717	-.717	0	%100
103	M109	X	-.261	-.261	0	%100
104	M109	Z	-.453	-.453	0	%100
105	M110	X	-.445	-.445	0	%100
106	M110	Z	-.771	-.771	0	%100
107	M111	X	-.261	-.261	0	%100
108	M111	Z	-.453	-.453	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

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	M52	PIPE_2.0	.725	.281	10	.411	.281		11	25203.832	32130	1.872	1.872	2....	H3-6
2	M60	PIPE_2.0	.686	.281	2	.401	.281		4	25203.832	32130	1.872	1.872	2....	H3-6
3	M59	PIPE_2.0	.683	.281	6	.393	.281		8	25203.832	32130	1.872	1.872	2....	H3-6
4	M72	PIPE_2.0	.555	0	19	.192	3.167		9	28490.161	32130	1.872	1.872	2....	H1-1b
5	M68	PIPE_2.0	.527	3.167	15	.185	3.167		5	28490.161	32130	1.872	1.872	3....	H1-1b
6	M70	PIPE_2.0	.578	3.167	23	.179	3.167		1	28490.161	32130	1.872	1.872	3....	H1-1b
7	M103	PL1/2X9	.463	.75	1	.154	.75	y	12	64296.79	145800	1.519	27.338	1....	H1-1b
8	M102	PL1/2X9	.470	.75	5	.145	.75	y	5	64296.79	145800	1.519	27.338	1....	H1-1b
9	M71	PIPE_2.0	.528	3.167	15	.144	3.167		1	28490.161	32130	1.872	1.872	3....	H1-1b
10	M101	PL1/2X9	.481	.75	9	.144	.75	y	8	64296.79	145800	1.519	27.338	1....	H1-1b
11	M67	PIPE_2.0	.505	3.167	23	.142	3.167		9	28490.161	32130	1.872	1.872	3....	H1-1b
12	M69	PIPE_2.0	.517	3.167	19	.139	3.167		8	28490.161	32130	1.872	1.872	3....	H1-1b
13	MP1C	PIPE_2.0	.215	1.547	14	.138	3.724		2	22356.067	32130	1.872	1.872	3....	H1-1b
14	MP1B	PIPE_2.0	.205	1.547	22	.137	3.724		10	22356.067	32130	1.872	1.872	2....	H1-1b
15	MP1A	PIPE_2.0	.194	1.547	18	.133	3.724		6	22356.067	32130	1.872	1.872	3....	H1-1b
16	M104	HSS4X4X3	.210	4.093	3	.102	5.131	y	9	93007.167	106812	12.662	12.662	1....	H1-1b
17	M105	HSS4X4X3	.216	4.093	12	.100	5.131	y	5	93007.167	106812	12.662	12.662	1....	H1-1b
18	M76	HSS4X4X3	.217	4.093	8	.098	5.131	y	1	93007.167	106812	12.662	12.662	1....	H1-1b
19	M58	PIPE_2.0	.245	3.167	8	.083	3.167		9	28490.161	32130	1.872	1.872	2....	H1-1b
20	M54	PIPE_2.0	.251	3.167	4	.082	3.167		5	28490.161	32130	1.872	1.872	2....	H1-1b
21	MP3C	PIPE_2.0	.244	3.167	12	.081	.495		1	28490.161	32130	1.872	1.872	2....	H1-1b
22	M73	C5X6.7	.577	12.234	6	.076	1.125	y	9	4045.83	88650	2.227	9.311	2....	H1-1a
23	M59A	L3X3X4	.862	10.688	6	.076	6.75	z	15	4242.131	46656	1.688	2.748	1....	H2-1
24	M88	C5X6.7	.551	13.5	1	.075	12.375	y	5	4045.83	88650	2.227	8.766	2....	H1-1a
25	M60A	L3X3X4	.821	6.75	11	.075	6.75	y	13	4242.131	46656	1.688	2.455	1....	H2-1
26	M87	C5X6.7	.564	13.5	9	.074	12.375	y	1	4045.83	88650	2.227	9.019	2....	H1-1a
27	M34	L3X3X4	.834	10.688	2	.073	6.75	z	23	4242.131	46656	1.688	2.73	1....	H2-1
28	M43	L3X3X4	.783	6.75	7	.073	6.75	y	21	4242.131	46656	1.688	2.451	1....	H2-1
29	M53	PIPE_2.0	.289	3.167	10	.070	3.167		4	28490.161	32130	1.872	1.872	2....	H1-1b
30	M57	PIPE_2.0	.288	3.167	2	.068	3.167		2	28490.161	32130	1.872	1.872	2....	H1-1b
31	MP5A	PIPE_2.0	.123	2.005	15	.067	1.948		4	22356.067	32130	1.872	1.872	2....	H1-1b
32	MP5B	PIPE_2.0	.122	2.005	19	.067	1.948		8	22356.067	32130	1.872	1.872	1....	H1-1b
33	MP5C	PIPE_2.0	.133	2.005	23	.066	1.948		12	22356.067	32130	1.872	1.872	2....	H1-1b
34	M55	PIPE_2.0	.291	3.167	6	.066	3.167		6	28490.161	32130	1.872	1.872	2....	H1-1b
35	M57A	L3X3X4	.872	10.688	10	.062	13.5	z	22	4242.131	46656	1.688	2.756	1....	H2-1
36	MP4B	PIPE_2.0	.184	4.125	15	.057	4.125		1	22356.067	32130	1.872	1.872	1....	H1-1b
37	MP2A	PIPE_2.0	.189	2.5	2	.056	2.5		4	20866.733	32130	1.872	1.872	1....	H1-1b
38	MP2B	PIPE_2.0	.206	4.625	19	.056	2.5		8	20866.733	32130	1.872	1.872	1....	H1-1b
39	M58A	L3X3X4	.815	8.016	3	.056	13.5	y	13	4242.131	46656	1.688	2.492	1....	H2-1
40	MP2C	PIPE_2.0	.193	2.5	10	.056	2.5		12	20866.733	32130	1.872	1.872	1....	H1-1b
41	MP4A	PIPE_2.0	.169	4.125	23	.056	4.125		9	22356.067	32130	1.872	1.872	1....	H1-1b
42	MP4C	PIPE_2.0	.162	2.005	8	.053	4.125		5	22356.067	32130	1.872	1.872	1....	H1-1b
43	MP3B	PIPE_2.0	.040	.969	22	.043	1.023		22	23329.724	32130	1.872	1.872	1....	H1-1b
44	M90B	PIPE_2.0	.004	2.583	9	.042	4.144		14	23329.724	32130	1.872	1.872	1	H1-1b
45	MP3A	PIPE_2.0	.041	.969	1	.037	4.144		6	23329.724	32130	1.872	1.872	1	H1-1b
46	M109	L3X3X4	.400	3.604	1	.035	3.604	y	10	34989.105	46656	1.688	3.756	1....	H2-1
47	M110	L3X3X4	.399	3.604	9	.035	3.604	y	6	34989.105	46656	1.688	3.756	1....	H2-1
48	M111	L3X3X4	.397	3.604	5	.034	3.604	y	2	34989.105	46656	1.688	3.756	1....	H2-1
49	M63	C5X6.7	.156	3.297	12	.029	3.297	z	6	16956.208	88650	2.227	12.346	1....	H1-1b
50	M66	L4X4X4	.032	2.857	4	.004	5.836	y	4	40551.745	62532	3.138	6.895	2....	H2-1
51	M65	L4X4X4	.025	5.836	10	.004	5.836	z	10	40551.745	62532	3.138	5.85	1....	H2-1
52	M107	LL2.5x2.5x4x8	.111	0	9	.002	7.152	y	9	39505.93	77112	6.614	3.306	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
53	M108	LL2.5x2.5x4x8	.110	0	5	.002	0	y	5	39505.93	77112	6.614	3.306	1	H1-1b*
54	M106	LL2.5x2.5x4x8	.109	0	1	.002	0	y	1	39505.93	77112	6.614	3.306	1	H1-1b*

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	1076.889	10	1047.11	7	6367.145	1	1.316	7	1.83	4	.38	4
2		min	-1075.771	4	-536.768	1	-6473.593	7	-.868	1	-1.82	10	-.377	10
3	N200A	max	5292.218	9	885.088	3	3062.29	3	.678	10	1.827	12	.873	9
4		min	-5320.022	3	-706.019	9	-3052.062	9	-.85	4	-1.789	6	-1.117	3
5	N204	max	5429.492	11	901.932	11	3094.114	11	.458	4	1.672	8	1.258	11
6		min	-5319.616	5	-701.559	5	-2993.653	5	-.635	10	-1.696	2	-.98	5
7	N182A	max	54.162	10	3027.506	1	989.446	7	0	51	0	51	0	51
8		min	-53.897	4	-981.651	7	-3012.29	1	0	1	0	1	0	1
9	N185	max	867.224	3	3089.571	9	1536.933	9	0	51	0	51	0	51
10		min	-2664.294	9	-993.466	3	-500.978	3	0	1	0	1	0	1
11	N188	max	2635.191	5	3056.722	5	1520.107	5	0	51	0	51	0	51
12		min	-924.567	11	-1058.338	11	-534.316	11	0	1	0	1	0	1
13	Totals:	max	7088.358	10	8490.978	17	6862.562	1						
14		min	-7088.345	4	3507.062	11	-6862.584	7						

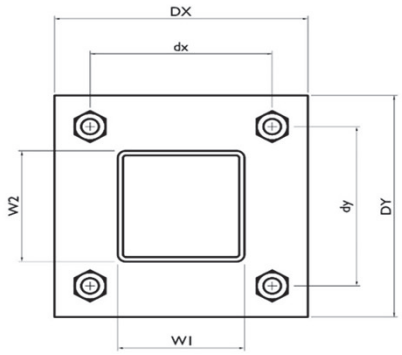
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/10/2023
Site Name:	Guilford CT		
MDG #:	5000383484		
Fuze ID #:	17123729	Page:	1

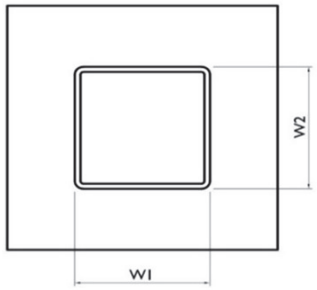
Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	3.2
Required Shear Strength / bolt (kips):	0.3
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**15.4%**



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):	0.25
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.5
Length of Yield Line, L_y (in):	5.85
Bolt Eccentricity, e (in):	1.65
M_u (kip-in):	5.27
Phi*M_n (kip-in):	11.85
Plate Bending Utilization:	**44.5%**



VzW SMART Tool© Vendor

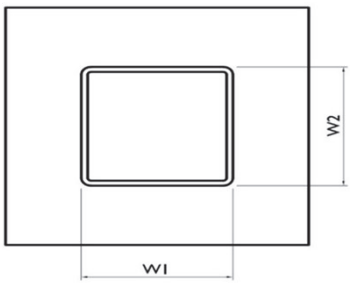
Client:	Verizon Wireless	Date:	7/10/2023
Site Name:	Guilford CT		
PSLC #:	5000383484		
Fuze ID #:	17123729	Page:	2

Version 1.01

Tower Connection Weld Checks

	Yes

Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Stiffener Notch Length, n (in):	
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.25
c_y (in)	2.25
Required combined strength (kip/in):	0.93
Weld Capacity (kip/in):	5.57
Weld Utilization:	**16.7%**



Date: **January 12, 2024**

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

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	5000383484
	Site Name:	GUILFORD CT
Crown Castle Designation:	**BU Number:**	806361
	Site Name:	NHV 102 943127
	JDE Job Number:	751327
	Work Order Number:	2278042
	Order Number:	654589 Rev. 0
Engineering Firm Designation:	**Crown Castle Project Number**	2278042
Site Data:	**131 Manor Rd, Guilford, New Haven County, CT**	
	Latitude: *41° 19' 48.09"* Longitude: *-72° 43' 18.51"*	
	150 ft - Monopole Tower	

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

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

LC7: Proposed Equipment Configuration **Sufficient Capacity**

This analysis utilizes an ultimate 3-second gust wind speed of 122 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: Matthew Schmitt

Respectfully submitted by:

Sudarshan Kasera

Digitally signed by Sudarshan C Kasera
Date: 2024.01.17 15:10:42 -05'00'

Sudarshan C Kasera
Senior Project Engineer

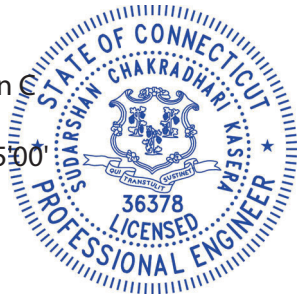


TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 150 ft Monopole Tower designed by Valmont. The tower has been modified in the past to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	122 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1.00 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
150	153	1	lucent	KS24019-L112A w/ Mount Pipe	2 11 1	1-5/8 7/8 1/2
	151	4	jma wireless	MX06FRO660-03 w/ Mount Pipe		
		4	kaelus	BSF0020F3V1		
		3	samsung telecommunications	RF4439D-25A		
		3	samsung telecommunications	RF4440D-13A		
	150	6	antel	LPA-80063/6CFX5 w/ Mount Pipe		
		2	jma wireless	MX06FRO660-03 w/ Mount Pipe		
		1	raycap	RVZDC-6627-PF-48_CCIV2		
		3	samsung telecommunications	MT6407-77A_CCIV2 w/ Mount Pipe		
		1	tower mounts	Platform Mount (LP 101-1_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)
135	142	2	raycap	DC6-48-60-18-8F	3 4 3 2 12	7/8 3/4 3/8 Conduit 1-5/8
	139	3	ericsson	AIR 6419 B77G_CCIV3 w/ Mount Pipe		
	137	3	cci antennas	DMP65R-BU6D w/ Mount Pipe		
		3	cci antennas	OPA65R-BU6D w/ Mount Pipe		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14		
		3	ericsson	RRUS 8843 B2/B66A		
		1	raycap	DC9-48-60-24-8C-EV		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
	135	3	ericsson	AIR 6449 B77D_CCVI2 w/ Mount Pipe		
		1	tower mounts	Platform Mount (LP 101-1)		
128	128	3	ericsson	AIR 32 B2A B66AA_T-MOBILE	3	1-5/8
		3	ericsson	AIR6449 B41_T-MOBILE		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	ericsson	RRUS 4415 B25_CCIV2		
		3	rfs celwave	APXVAALL24_43-U-NA20_TMO		
		1	tower mounts	Platform Mount [LP 301-1_KCKR]		
108	110	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		
	108	1	tower mounts	Commscope MC-PK8-DSH		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	780506	CCISITES
4-POST-MODIFICATION INSPECTION	2045675	CCISITES
4-POST-MODIFICATION INSPECTION	3099221	CCISITES
4-POST-MODIFICATION INSPECTION	3335575	CCISITES
4-POST-MODIFICATION INSPECTION	4037923	CCISITES
4-POST-MODIFICATION INSPECTION	5823375	CCISITES
4-POST-MODIFICATION INSPECTION	9726127	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	217669	CCISITES
4-TOWER MANUFACTURER DRAWINGS	217668	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	1249600	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	1883636	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3002793	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3255562	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3840597	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	5605781	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	8611850	CCISITES

3.1) Analysis Method

tnxTower (version 8.2.2.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
150 - 145	Pole	TP16.937x16x0.1875	Pole	17.2	Pass
145 - 140	Pole	TP17.875x16.937x0.1875	Pole	30.7	Pass
140 - 135	Pole	TP18.812x17.875x0.1875	Pole	50.9	Pass
135 - 133	Pole	TP19.187x18.812x0.1875	Pole	59.2	Pass
133 - 132.75	Pole + Reinf.	TP19.234x19.187x0.45	Reinf. 20 Tension Rupture	41.3	Pass
132.75 - 127.75	Pole + Reinf.	TP20.171x19.234x0.4375	Reinf. 20 Tension Rupture	55.5	Pass
127.75 - 123.75	Pole + Reinf.	TP20.921x20.171x0.425	Reinf. 20 Tension Rupture	68.8	Pass
123.75 - 123.5	Pole + Reinf.	TP20.968x20.921x0.425	Reinf. 20 Tension Rupture	69.6	Pass
123.5 - 118.75	Pole + Reinf.	TP21.859x20.968x0.7625	Reinf. 20 Tension Rupture	47.7	Pass
118.75 - 118.5	Pole + Reinf.	TP21.906x21.859x1.0375	Reinf. 19 Tension Rupture	36.9	Pass
118.5 - 117	Pole + Reinf.	TP22.187x21.906x1.0125	Reinf. 19 Tension Rupture	38.9	Pass
117 - 116.75	Pole + Reinf.	TP22.234x22.187x0.75	Reinf. 18 Tension Rupture	51.0	Pass
116.75 - 111.75	Pole + Reinf.	TP23.171x22.234x0.7125	Reinf. 18 Tension Rupture	59.0	Pass
111.75 - 106.75	Pole + Reinf.	TP24.108x23.171x0.6875	Reinf. 18 Tension Rupture	67.1	Pass
106.75 - 101.75	Pole + Reinf.	TP25.046x24.108x0.6625	Reinf. 18 Tension Rupture	75.4	Pass
101.75 - 99.5	Pole + Reinf.	TP26.28x25.046x0.6625	Reinf. 18 Tension Rupture	78.9	Pass
99.5 - 94.5	Pole + Reinf.	TP26.031x25.093x0.7875	Reinf. 18 Tension Rupture	73.4	Pass
94.5 - 93.75	Pole + Reinf.	TP26.171x26.031x0.7875	Reinf. 18 Tension Rupture	74.3	Pass
93.75 - 93.5	Pole + Reinf.	TP26.218x26.171x0.9125	Reinf. 9 Tension Rupture	67.1	Pass
93.5 - 92.75	Pole + Reinf.	TP26.359x26.218x0.9125	Reinf. 9 Tension Rupture	67.9	Pass
92.75 - 92.5	Pole + Reinf.	TP26.406x26.359x1.1375	Reinf. 9 Tension Rupture	56.5	Pass
92.5 - 91.25	Pole + Reinf.	TP26.64x26.406x1.1125	Reinf. 9 Tension Rupture	57.6	Pass
91.25 - 91	Pole + Reinf.	TP26.687x26.64x1.1125	Reinf. 9 Tension Rupture	57.9	Pass
91 - 89.25	Pole + Reinf.	TP27.016x26.687x1.1125	Reinf. 9 Tension Rupture	59.3	Pass
89.25 - 89	Pole + Reinf.	TP27.063x27.016x1.2125	Reinf. 3 Connection	56.4	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
89 - 85.75	Pole + Reinf.	TP27.672x27.063x1.1875	Reinf. 9 Tension Rupture	56.7	Pass
85.75 - 85.5	Pole + Reinf.	TP27.719x27.672x0.8625	Reinf. 17 Tension Rupture	73.1	Pass
85.5 - 80.5	Pole + Reinf.	TP28.657x27.719x0.8375	Reinf. 17 Tension Rupture	77.4	Pass
80.5 - 75.5	Pole + Reinf.	TP29.595x28.657x0.8125	Reinf. 17 Tension Rupture	81.4	Pass
75.5 - 70.5	Pole + Reinf.	TP30.533x29.595x0.7875	Reinf. 17 Tension Rupture	85.2	Pass
70.5 - 68.08	Pole + Reinf.	TP30.987x30.533x0.7875	Reinf. 17 Tension Rupture	86.9	Pass
68.08 - 67.83	Pole + Reinf.	TP31.034x30.987x0.8375	Reinf. 16 Tension Rupture	74.5	Pass
67.83 - 67	Pole + Reinf.	TP31.19x31.034x0.8375	Reinf. 16 Tension Rupture	75.0	Pass
67 - 66.75	Pole + Reinf.	TP31.237x31.19x1.0625	Reinf. 6 Tension Rupture	60.4	Pass
66.75 - 63.25	Pole + Reinf.	TP31.894x31.237x1.0375	Reinf. 6 Tension Rupture	62.2	Pass
63.25 - 63	Pole + Reinf.	TP31.941x31.894x1.2125	Reinf. 8 Tension Rupture	59.6	Pass
63 - 59.5	Pole + Reinf.	TP32.597x31.941x1.1875	Reinf. 8 Tension Rupture	61.3	Pass
59.5 - 59.25	Pole + Reinf.	TP32.644x32.597x1.2375	Reinf. 8 Tension Rupture	59.2	Pass
59.25 - 56.25	Pole + Reinf.	TP33.207x32.644x1.2125	Reinf. 8 Tension Rupture	60.5	Pass
56.25 - 56	Pole + Reinf.	TP33.254x33.207x1.0625	Reinf. 6 Tension Rupture	63.0	Pass
56 - 55.75	Pole + Reinf.	TP33.301x33.254x0.8375	Reinf. 16 Tension Rupture	77.3	Pass
55.75 - 50.75	Pole + Reinf.	TP34.239x33.301x0.825	Reinf. 16 Tension Rupture	79.8	Pass
50.75 - 50	Pole + Reinf.	TP35.38x34.239x0.8125	Reinf. 16 Tension Rupture	80.1	Pass
50 - 43.67	Pole + Reinf.	TP34.942x33.754x0.875	Reinf. 16 Tension Rupture	78.9	Pass
43.67 - 38.67	Pole + Reinf.	TP35.88x34.942x0.8625	Reinf. 16 Tension Rupture	80.8	Pass
38.67 - 34.5	Pole + Reinf.	TP36.661x35.88x0.85	Reinf. 16 Tension Rupture	82.3	Pass
34.5 - 34.25	Pole + Reinf.	TP36.708x36.661x1.1	Reinf. 16 Tension Rupture	64.6	Pass
34.25 - 33	Pole + Reinf.	TP36.942x36.708x1.1	Reinf. 16 Tension Rupture	65.0	Pass
33 - 32.75	Pole + Reinf.	TP36.989x36.942x1.1	Reinf. 15 Tension Rupture	65.1	Pass
32.75 - 29.75	Pole + Reinf.	TP37.552x36.989x1.075	Reinf. 15 Tension Rupture	65.9	Pass
29.75 - 29.5	Pole + Reinf.	TP37.598x37.552x1.125	Reinf. 15 Tension Rupture	63.8	Pass
29.5 - 25	Pole + Reinf.	TP38.442x37.598x1.1	Reinf. 15 Tension Rupture	65.1	Pass
25 - 24.75	Pole + Reinf.	TP38.489x38.442x0.8625	Reinf. 15 Tension Rupture	81.9	Pass
24.75 - 19.75	Pole + Reinf.	TP39.427x38.489x0.85	Reinf. 15 Tension Rupture	83.3	Pass
19.75 - 14.75	Pole + Reinf.	TP40.364x39.427x0.825	Reinf. 15 Tension Rupture	84.7	Pass
14.75 - 14.5	Pole + Reinf.	TP40.411x40.364x0.825	Reinf. 15 Tension Rupture	84.7	Pass
14.5 - 14.25	Pole + Reinf.	TP40.458x40.411x0.825	Reinf. 15 Tension Rupture	84.8	Pass
14.25 - 12.25	Pole + Reinf.	TP40.833x40.458x0.825	Reinf. 15 Tension Rupture	85.3	Pass
12.25 - 12	Pole + Reinf.	TP40.88x40.833x0.7875	Reinf. 14 Tension Rupture	86.2	Pass
12 - 11.5	Pole + Reinf.	TP40.974x40.88x0.7875	Reinf. 14 Tension Rupture	86.3	Pass
11.5 - 11.25	Pole + Reinf.	TP41.021x40.974x0.9	Reinf. 14 Tension Rupture	81.8	Pass
11.25 - 9.25	Pole + Reinf.	TP41.396x41.021x0.8875	Reinf. 14 Tension Rupture	82.3	Pass
9.25 - 9	Pole + Reinf.	TP41.442x41.396x0.85	Reinf. 13 Tension Rupture	83.0	Pass
9 - 4.5	Pole + Reinf.	TP42.286x41.442x0.825	Reinf. 13 Tension Rupture	84.0	Pass
4.5 - 4.25	Pole + Reinf.	TP42.333x42.286x0.85	Reinf. 1 Tension Rupture	77.8	Pass
4.25 - 3	Pole + Reinf.	TP42.567x42.333x0.85	Reinf. 1 Tension Rupture	78.1	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
3 - 2.75	Pole + Reinf.	TP42.614x42.567x0.8375	Reinf. 1 Tension Rupture	78.2	Pass
2.75 - 0	Pole + Reinf.	TP43.13x42.614x0.825	Reinf. 1 Tension Rupture	78.8	Pass
				Summary	
			Pole	65.1	Pass
			Reinforcement	86.9	Pass
			Overall	86.9	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	85.0	Pass
1	Base Plate	0	82.1	Pass
1	Base Foundation (Structural)	0	67.4	Pass
1	Base Foundation (Soil)	0	22.0	Pass

Structure Rating (max from all components) =	86.9%

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed

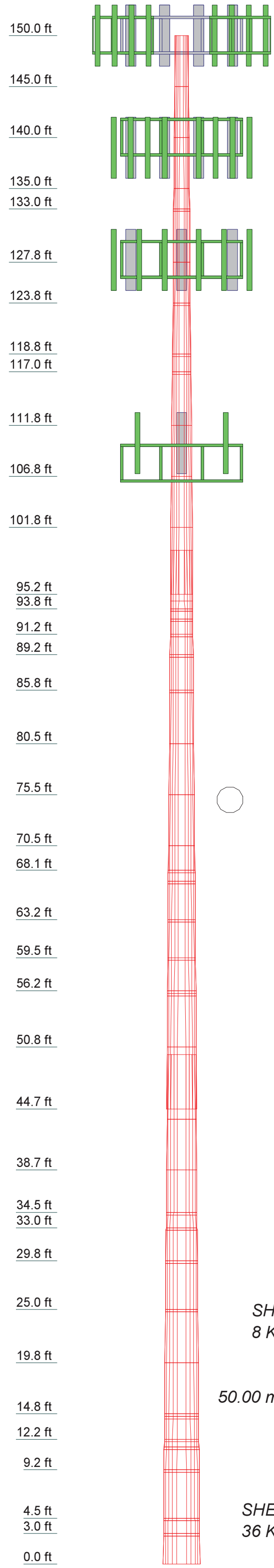
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.0000	12	0.1875		16.0000	16.9374	A572-65	0.2
2	5.0000	12	0.1875		16.9374	17.8748		0.2
3	5.0000	12	0.1875		17.8748	18.8122		0.2
4–13	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
14	5.0000	12	0.6875		23.1710	24.1084		0.8
15	5.0000	12	0.6625		24.1084	25.0458		0.8
16	[illegible]	12	0.6625	4.3330	25.0458	26.2800		1.1
17–28	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
29	5.0000	12	0.8125		28.6573	29.5954		1.2
30	5.0000	12	0.7875		29.5954	30.5334		1.2
31–42	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
43	[illegible]	12	0.8125	5.3330	34.2388	35.3800		1.7
44–68	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
								37.9



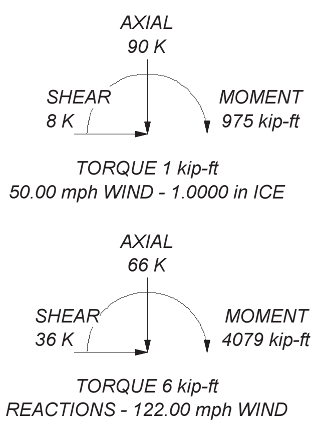
MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 122.00 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50.00 mph basic wind with 1.00 in ice. Ice is considered to i ncrease in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 86.9%

ALL REACTIONS ARE FACTORED



CROWN CASTLE The Foundation for a Wireless World	*Crown Castle* 2000 Corporate Drive Canonsburg, PA 15317 Phone: (724) 416-2000 FAX:	Job: **BU 806361** Project: Client: Crown Castle · Drawn by: Matthew Schmitt · App'd: Code: TIA-222-H · Date: 01/12/24 · Scale: NTS Path: C:\SAPI Work Area\806361\WO 2278042 - SA\Prod\806361.eri · Dwg No. E-1

Tower Input Data

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

Tower is located in New Haven County, Connecticut.
Tower base elevation above sea level: 282.00 ft.
Basic wind speed of 122.00 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56.00 pcf.
A wind speed of 50.00 mph is used in combination with ice.
Temperature drop of 50.00 °F.
Deflections calculated using a wind speed of 60.00 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		Assume Legs Pinned		Calculate Redundant Bracing Forces
	Consider Moments - Horizontals	√	Assume Rigid Index Plate		Ignore Redundant Members in FEA
	Consider Moments - Diagonals	√	Use Clear Spans For Wind Area		SR Leg Bolts Resist Compression
	Use Moment Magnification		Use Clear Spans For KL/r		All Leg Panels Have Same Allowable
√	Use Code Stress Ratios		Retension Guys To Initial Tension		Offset Girt At Foundation
√	Use Code Safety Factors - Guys	√	Bypass Mast Stability Checks	√	Consider Feed Line Torque
	Escalate Ice	√	Use Azimuth Dish Coefficients		Include Angle Block Shear Check
	Always Use Max Kz	√	Project Wind Area of Appurtenances		Use TIA-222-H Bracing Resist. Exemption
	Use Special Wind Profile		Alternative Appurt. EPA Calculation		Use TIA-222-H Tension Splice Exemption
	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Poles
	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination	√	Include Shear-Torsion Interaction
	Secondary Horizontal Braces Leg	√	Sort Capacity Reports By Component		Always Use Sub-Critical Flow
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Use Top Mounted Sockets
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder		Pole Without Linear Attachments
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole With Shroud Or No Appurtenances
	Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules		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	150.0000-145.0000	5.0000	0.00	12	16.0000	16.9374	0.1875	0.7500	A572-65 (65 ksi)
L2	145.0000-140.0000	5.0000	0.00	12	16.9374	17.8748	0.1875	0.7500	A572-65 (65 ksi)
L3	140.0000-135.0000	5.0000	0.00	12	17.8748	18.8122	0.1875	0.7500	A572-65 (65 ksi)
L4	135.0000-133.0000	2.0000	0.00	12	18.8122	19.1871	0.1875	0.7500	A572-65 (65 ksi)
L5	133.0000-132.7500	0.2500	0.00	12	19.1871	19.2340	0.4500	1.8000	A572-65 (65 ksi)
L6	132.7500-127.7500	5.0000	0.00	12	19.2340	20.1714	0.4375	1.7500	A572-65 (65 ksi)
L7	127.7500-123.7500	4.0000	0.00	12	20.1714	20.9213	0.4250	1.7000	A572-65 (65 ksi)
L8	123.7500-123.5000	0.2500	0.00	12	20.9213	20.9682	0.4250	1.7000	A572-65 (65 ksi)
L9	123.5000-118.7500	4.7500	0.00	12	20.9682	21.8587	0.7625	3.0500	A572-65 (65 ksi)
L10	118.7500-118.5000	0.2500	0.00	12	21.8587	21.9056	1.0375	4.1500	A572-65 (65 ksi)
L11	118.5000-117.0000	1.5000	0.00	12	21.9056	22.1868	1.0125	4.0500	A572-65 (65 ksi)
L12	117.0000-116.7500	0.2500	0.00	12	22.1868	22.2337	0.7500	3.0000	A572-65 (65 ksi)
L13	116.7500-111.7500	5.0000	0.00	12	22.2337	23.1710	0.7125	2.8500	A572-65 (65 ksi)
L14	111.7500-106.7500	5.0000	0.00	12	23.1710	24.1084	0.6875	2.7500	A572-65 (65 ksi)
L15	106.7500-101.7500	5.0000	0.00	12	24.1084	25.0458	0.6625	2.6500	A572-65 (65 ksi)
L16	101.7500-95.1670	6.5830	4.33	12	25.0458	26.2800	0.6625	2.6500	A572-65 (65 ksi)
L17	95.1670-94.5000	5.0000	0.00	12	25.0927	26.0307	0.7875	3.1500	A572-65 (65 ksi)
L18	94.5000-93.7500	0.7500	0.00	12	26.0307	26.1714	0.7875	3.1500	A572-65 (65 ksi)
L19	93.7500-93.5000	0.2500	0.00	12	26.1714	26.2183	0.9125	3.6500	A572-65 (65 ksi)
L20	93.5000-92.7500	0.7500	0.00	12	26.2183	26.3590	0.9125	3.6500	A572-65 (65 ksi)
L21	92.7500-92.5000	0.2500	0.00	12	26.3590	26.4059	1.1375	4.5500	A572-65 (65 ksi)
L22	92.5000-91.2500	1.2500	0.00	12	26.4059	26.6405	1.1125	4.4500	A572-65 (65 ksi)
L23	91.2500-91.0000	0.2500	0.00	12	26.6405	26.6874	1.1125	4.4500	A572-65 (65 ksi)
L24	91.0000-89.2500	1.7500	0.00	12	26.6874	27.0157	1.1125	4.4500	A572-65 (65 ksi)
L25	89.2500-89.0000	0.2500	0.00	12	27.0157	27.0626	1.2125	4.8500	A572-65 (65 ksi)
L26	89.0000-85.7500	3.2500	0.00	12	27.0626	27.6723	1.1875	4.7500	A572-65 (65 ksi)
L27	85.7500-85.5000	0.2500	0.00	12	27.6723	27.7192	0.8625	3.4500	A572-65 (65 ksi)
L28	85.5000-80.5000	5.0000	0.00	12	27.7192	28.6573	0.8375	3.3500	A572-65 (65 ksi)
L29	80.5000-75.5000	5.0000	0.00	12	28.6573	29.5954	0.8125	3.2500	A572-65 (65 ksi)
L30	75.5000-70.5000	5.0000	0.00	12	29.5954	30.5334	0.7875	3.1500	A572-65 (65 ksi)
L31	70.5000-68.0830	2.4170	0.00	12	30.5334	30.9869	0.7875	3.1500	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
L32	68.0830-67.8330	0.2500	0.00	12	30.9869	31.0338	0.8375	3.3500	A572-65 (65 ksi)
L33	67.8330-67.0000	0.8330	0.00	12	31.0338	31.1901	0.8375	3.3500	A572-65 (65 ksi)
L34	67.0000-66.7500	0.2500	0.00	12	31.1901	31.2370	1.0625	4.2500	A572-65 (65 ksi)
L35	66.7500-63.2500	3.5000	0.00	12	31.2370	31.8936	1.0375	4.1500	A572-65 (65 ksi)
L36	63.2500-63.0000	0.2500	0.00	12	31.8936	31.9405	1.2125	4.8500	A572-65 (65 ksi)
L37	63.0000-59.5000	3.5000	0.00	12	31.9405	32.5971	1.1875	4.7500	A572-65 (65 ksi)
L38	59.5000-59.2500	0.2500	0.00	12	32.5971	32.6441	1.2375	4.9500	A572-65 (65 ksi)
L39	59.2500-56.2500	3.0000	0.00	12	32.6441	33.2069	1.2125	4.8500	A572-65 (65 ksi)
L40	56.2500-56.0000	0.2500	0.00	12	33.2069	33.2538	1.0625	4.2500	A572-65 (65 ksi)
L41	56.0000-55.7500	0.2500	0.00	12	33.2538	33.3007	0.8375	3.3500	A572-65 (65 ksi)
L42	55.7500-50.7500	5.0000	0.00	12	33.3007	34.2388	0.8250	3.3000	A572-65 (65 ksi)
L43	50.7500-44.6670	6.0830	5.33	12	34.2388	35.3800	0.8125	3.2500	A572-65 (65 ksi)
L44	44.6670-43.6670	6.3330	0.00	12	33.7545	34.9420	0.8750	3.5000	A572-65 (65 ksi)
L45	43.6670-38.6670	5.0000	0.00	12	34.9420	35.8795	0.8625	3.4500	A572-65 (65 ksi)
L46	38.6670-34.5000	4.1670	0.00	12	35.8795	36.6609	0.8500	3.4000	A572-65 (65 ksi)
L47	34.5000-34.2500	0.2500	0.00	12	36.6609	36.7078	1.1000	4.4000	A572-65 (65 ksi)
L48	34.2500-33.0000	1.2500	0.00	12	36.7078	36.9421	1.1000	4.4000	A572-65 (65 ksi)
L49	33.0000-32.7500	0.2500	0.00	12	36.9421	36.9890	1.1000	4.4000	A572-65 (65 ksi)
L50	32.7500-29.7500	3.0000	0.00	12	36.9890	37.5516	1.0750	4.3000	A572-65 (65 ksi)
L51	29.7500-29.5000	0.2500	0.00	12	37.5516	37.5984	1.1250	4.5000	A572-65 (65 ksi)
L52	29.5000-25.0000	4.5000	0.00	12	37.5984	38.4422	1.1000	4.4000	A572-65 (65 ksi)
L53	25.0000-24.7500	0.2500	0.00	12	38.4422	38.4891	0.8625	3.4500	A572-65 (65 ksi)
L54	24.7500-19.7500	5.0000	0.00	12	38.4891	39.4267	0.8500	3.4000	A572-65 (65 ksi)
L55	19.7500-14.7500	5.0000	0.00	12	39.4267	40.3642	0.8250	3.3000	A572-65 (65 ksi)
L56	14.7500-14.5000	0.2500	0.00	12	40.3642	40.4111	0.8250	3.3000	A572-65 (65 ksi)
L57	14.5000-14.2500	0.2500	0.00	12	40.4111	40.4580	0.8250	3.3000	A572-65 (65 ksi)
L58	14.2500-12.2500	2.0000	0.00	12	40.4580	40.8330	0.8250	3.3000	A572-65 (65 ksi)
L59	12.2500-12.0000	0.2500	0.00	12	40.8330	40.8799	0.7875	3.1500	A572-65 (65 ksi)
L60	12.0000-11.5000	0.5000	0.00	12	40.8799	40.9736	0.7875	3.1500	A572-65 (65 ksi)
L61	11.5000-11.2500	0.2500	0.00	12	40.9736	41.0205	0.9000	3.6000	A572-65 (65 ksi)
L62	11.2500-9.2500	2.0000	0.00	12	41.0205	41.3955	0.8875	3.5500	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L63	9.2500-9.0000	0.2500	0.00	12	41.3955	41.4424	0.8500	3.4000	A572-65 (65 ksi)
L64	9.0000-4.5000	4.5000	0.00	12	41.4424	42.2862	0.8250	3.3000	A572-65 (65 ksi)
L65	4.5000-4.2500	0.2500	0.00	12	42.2862	42.3331	0.8500	3.4000	A572-65 (65 ksi)
L66	4.2500-3.0000	1.2500	0.00	12	42.3331	42.5675	0.8500	3.4000	A572-65 (65 ksi)
L67	3.0000-2.7500	0.2500	0.00	12	42.5675	42.6143	0.8375	3.3500	A572-65 (65 ksi)
L68	2.7500-0.0000	2.7500		12	42.6143	43.1300	0.8250	3.3000	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	16.4983	9.5468	304.6805	5.6609	8.2880	36.7616	617.3654	4.6986	3.7855	20.189
	17.4687	10.1127	362.1422	5.9965	8.7736	41.2765	733.7982	4.9772	4.0367	21.529
L2	17.4687	10.1127	362.1422	5.9965	8.7736	41.2765	733.7982	4.9772	4.0367	21.529
	18.4392	10.6787	426.4091	6.3320	9.2591	46.0528	864.0205	5.2557	4.2879	22.869
L3	18.4392	10.6787	426.4091	6.3320	9.2591	46.0528	864.0205	5.2557	4.2879	22.869
	19.4097	11.2446	497.8623	6.6676	9.7447	51.0905	1008.8039	5.5343	4.5392	24.209
L4	19.4097	11.2446	497.8623	6.6676	9.7447	51.0905	1008.8039	5.5343	4.5392	24.209
	19.7978	11.4710	528.5410	6.8019	9.9389	53.1788	1070.9673	5.6457	4.6397	24.745
L5	19.7052	27.1501	1216.6444	6.7079	9.9389	122.4120	2465.2515	13.3625	3.9362	8.747
	19.7538	27.2180	1225.7973	6.7247	9.9632	123.0323	2483.7977	13.3959	3.9487	8.775
L6	19.7582	26.4796	1194.1282	6.7291	9.9632	119.8537	2419.6274	13.0324	3.9822	9.102
	20.7286	27.8001	1381.8414	7.0647	10.4488	132.2490	2799.9853	13.6824	4.2334	9.676
L7	20.7330	27.0229	1344.9127	7.0692	10.4488	128.7148	2725.1577	13.2999	4.2669	10.04
	21.5094	28.0492	1504.0337	7.3377	10.8372	138.7839	3047.5801	13.8050	4.4679	10.513
L8	21.5094	28.0492	1504.0337	7.3377	10.8372	138.7839	3047.5801	13.8050	4.4679	10.513
	21.5579	28.1133	1514.3753	7.3545	10.8615	139.4258	3068.5349	13.8365	4.4805	10.542
L9	21.4389	49.6100	2585.2457	7.2336	10.8615	238.0189	5238.4088	24.4165	3.5760	4.69
	22.3608	51.7964	2942.3495	7.5524	11.3228	259.8605	5961.9979	25.4926	3.8146	5.003
L10	22.2638	69.5584	3848.9927	7.4540	11.3228	339.9328	7799.1027	34.2345	3.0776	2.966
	22.3123	69.7150	3875.0441	7.4708	11.3471	341.5013	7851.8899	34.3116	3.0902	2.978
L11	22.3211	68.1166	3795.2771	7.4797	11.3471	334.4716	7690.2605	33.5249	3.1572	3.118
	22.6123	69.0335	3950.6007	7.5804	11.4928	343.7471	8004.9881	33.9762	3.2326	3.193
L12	22.7049	51.7698	3036.5614	7.6744	11.4928	264.2153	6152.8966	25.4795	3.9361	5.248
	22.7534	51.8830	3056.5224	7.6911	11.5170	265.3915	6193.3431	25.5352	3.9486	5.265
L13	22.7666	49.3749	2918.9282	7.7046	11.5170	253.4445	5914.5399	24.3008	4.0491	5.683
	23.7371	51.5255	3317.1998	8.0402	12.0026	276.3734	6721.5462	25.3593	4.3003	6.036
L14	23.7459	49.7730	3211.5078	8.0491	12.0026	267.5676	6507.3855	24.4967	4.3673	6.352
	24.7164	51.8481	3630.1736	8.3847	12.4882	290.6890	7355.7160	25.5181	4.6186	6.718
L15	24.7252	50.0160	3509.3813	8.3936	12.4882	281.0164	7110.9580	24.6164	4.6856	7.073
	25.6956	52.0157	3947.3602	8.7292	12.9737	304.2577	7998.4219	25.6006	4.9368	7.452
L16	25.6956	52.0157	3947.3602	8.7292	12.9737	304.2577	7998.4219	25.6006	4.9368	7.452
	26.9734	54.6485	4577.6010	9.1711	13.6130	336.2659	9275.4608	26.8963	5.2675	7.951
L17	26.5416	61.6318	4647.1602	8.7012	12.9980	357.5290	9416.4064	30.3333	4.6143	5.859
	26.6712	64.0105	5206.2680	9.0371	13.4839	386.1096	10549.3105	31.5040	4.8657	6.179
L18	26.6712	64.0105	5206.2680	9.0371	13.4839	386.1096	10549.3105	31.5040	4.8657	6.179
	26.8169	64.3673	5293.8156	9.0874	13.5568	390.4916	10726.7056	31.6796	4.9034	6.227
L19	26.7728	74.2170	6043.9294	9.0427	13.5568	445.8227	12246.6396	36.5274	4.5684	5.007
	26.8213	74.3549	6077.6607	9.0595	13.5811	447.5089	12314.9883	36.5952	4.5810	5.02
L20	26.8213	74.3549	6077.6607	9.0595	13.5811	447.5089	12314.9883	36.5952	4.5810	5.02
	26.9670	74.7683	6179.6072	9.1099	13.6540	452.5864	12521.5595	36.7987	4.6187	5.062
L21	26.8876	92.3802	7500.8069	9.0293	13.6540	549.3494	15198.6684	45.4667	4.0157	3.53

Section	Tip Dia.	Area	I	r	C	I/C	J	It/Q	w	w/t
	in	in^2	in^4	in	in	in^3	in^4	in^2	in	
	26.9362	92.5520	7542.7313	9.0461	13.6783	551.4387	15283.6185	45.5513	4.0283	3.541
L22	26.9450	90.6074	7398.8744	9.0551	13.6783	540.9215	14992.1254	44.5942	4.0953	3.681
	27.1878	91.4475	7606.5907	9.1390	13.7998	551.2119	15413.0151	45.0077	4.1581	3.738
L23	27.1878	91.4475	7606.5907	9.1390	13.7998	551.2119	15413.0151	45.0077	4.1581	3.738
	27.2363	91.6155	7648.5951	9.1558	13.8241	553.2817	15498.1273	45.0904	4.1707	3.749
L24	27.2363	91.6155	7648.5951	9.1558	13.8241	553.2817	15498.1273	45.0904	4.1707	3.749
	27.5762	92.7917	7946.9631	9.2733	13.9941	567.8786	16102.7018	45.6692	4.2587	3.828
L25	27.5410	100.7421	8561.3721	9.2375	13.9941	611.7834	17347.6609	49.5822	3.9907	3.291
	27.5895	100.9252	8608.1436	9.2543	14.0184	614.0595	17442.4328	49.6723	4.0033	3.302
L26	27.5983	98.9399	8455.1400	9.2633	14.0184	603.1450	17132.4060	48.6952	4.0703	3.428
	28.2296	101.2713	9067.0658	9.4816	14.3343	632.5449	18372.3335	49.8427	4.2337	3.565
L27	28.3442	74.4576	6830.9777	9.5979	14.3343	476.5489	13841.4127	36.6458	5.1047	5.918
	28.3928	74.5878	6866.8923	9.6147	14.3586	478.2438	13914.1855	36.7099	5.1173	5.933
L28	28.4016	72.4933	6686.4899	9.6237	14.3586	465.6797	13548.6413	35.6790	5.1843	6.19
	29.3728	75.0230	7411.1936	9.9595	14.8445	499.2560	15017.0874	36.9240	5.4357	6.49
L29	29.3816	72.8489	7209.3649	9.9684	14.8445	485.6598	14608.1279	35.8540	5.5027	6.772
	30.3527	75.3031	7962.8148	10.3043	15.3304	519.4137	16134.8215	37.0619	5.7541	7.082
L30	30.3616	73.0495	7737.9330	10.3132	15.3304	504.7446	15679.1501	35.9527	5.8211	7.392
	31.3327	75.4282	8518.7183	10.6490	15.8163	538.6035	17261.2329	37.1235	6.0725	7.711
L31	31.3327	75.4282	8518.7183	10.6490	15.8163	538.6035	17261.2329	37.1235	6.0725	7.711
	31.8022	76.5781	8914.2761	10.8114	16.0512	555.3651	18062.7401	37.6894	6.1940	7.865
L32	31.7845	81.3053	9433.2514	10.7935	16.0512	587.6976	19114.3248	40.0160	6.0600	7.236
	31.8331	81.4318	9477.3455	10.8103	16.0755	589.5523	19203.6715	40.0783	6.0726	7.251
L33	31.8331	81.4318	9477.3455	10.8103	16.0755	589.5523	19203.6715	40.0783	6.0726	7.251
	31.9949	81.8533	9625.2586	10.8662	16.1564	595.7534	19503.3835	40.2857	6.1144	7.301
L34	31.9155	103.0739	11941.5976	10.7857	16.1564	739.1227	24196.9142	50.7298	5.5114	5.187
	31.9641	103.2344	11997.4570	10.8025	16.1807	741.4651	24310.1007	50.8088	5.5240	5.199
L35	31.9729	100.8888	11744.3067	10.8114	16.1807	725.8199	23797.1493	49.6544	5.5910	5.389
	32.6527	103.0825	12527.1730	11.0465	16.5209	758.2628	25383.4489	50.7341	5.7670	5.559
L36	32.5910	119.7867	14392.5053	10.9838	16.5209	871.1703	29163.1177	58.9554	5.2980	4.369
	32.6395	119.9698	14458.6129	11.0006	16.5452	873.8866	29297.0697	59.0455	5.3106	4.38
L37	32.6483	117.5918	14195.0878	11.0096	16.5452	857.9590	28763.0964	57.8751	5.3776	4.528
	33.3281	120.1026	15123.9285	11.2447	16.8853	895.6849	30645.1794	59.1109	5.5535	4.677
L38	33.3105	124.9604	15685.5782	11.2268	16.8853	928.9475	31783.2341	61.5017	5.4195	4.379
	33.3591	125.1473	15756.0640	11.2435	16.9096	931.7812	31926.0573	61.5937	5.4321	4.39
L39	33.3679	122.7166	15474.6549	11.2525	16.9096	915.1392	31355.8463	60.3974	5.4991	4.535
	33.9506	124.9141	16320.9319	11.4540	17.2012	948.8270	33070.6329	61.4789	5.6499	4.66
L40	34.0035	109.9740	14503.9471	11.5077	17.2012	843.1955	29388.9291	54.1258	6.0519	5.696
	34.0520	110.1345	14567.5295	11.5245	17.2255	845.6974	29517.7643	54.2048	6.0645	5.708
L41	34.1314	87.4186	11725.1004	11.6050	17.2255	680.6842	23758.2322	43.0248	6.6675	7.961
	34.1800	87.5451	11776.0691	11.6218	17.2498	682.6802	23861.5087	43.0870	6.6801	7.976
L42	34.1844	86.2717	11613.7122	11.6263	17.2498	673.2681	23532.5296	42.4603	6.7136	8.138
	35.1555	88.7636	12649.4489	11.9621	17.7357	713.2206	25631.2129	43.6868	6.9650	8.442
L43	35.1599	87.4514	12471.7771	11.9666	17.7357	703.2028	25271.2017	43.0409	6.9985	8.614
	36.3415	90.4372	13793.3293	12.3752	18.3268	752.6300	27949.0248	44.5104	7.3043	8.99
L44	35.6718	92.6379	12782.7429	11.7708	17.4848	731.0769	25901.3026	45.5936	6.7012	7.659
	35.8659	95.9837	14218.3882	12.1960	18.0999	785.5489	28810.3093	47.2403	7.0194	8.022
L45	35.8703	94.6472	14030.7017	12.2004	18.0999	775.1795	28430.0055	46.5825	7.0529	8.177
	36.8410	97.2510	15220.8387	12.5361	18.5856	818.9590	30841.5457	47.8640	7.3042	8.469
L46	36.8454	95.8758	15016.3164	12.5406	18.5856	807.9547	30427.1282	47.1872	7.3377	8.633
	37.6543	98.0144	16043.7441	12.8203	18.9903	844.8373	32508.9753	48.2397	7.5471	8.879
L47	37.5661	125.9566	20330.6847	12.7308	18.9903	1070.5806	41195.4792	61.9920	6.8771	6.252
	37.6146	126.1227	20411.1928	12.7476	19.0146	1073.4474	41358.6103	62.0737	6.8897	6.263
L48	37.6146	126.1227	20411.1928	12.7476	19.0146	1073.4474	41358.6103	62.0737	6.8897	6.263
	37.8573	126.9529	20816.9224	12.8315	19.1360	1087.8390	42180.7286	62.4823	6.9525	6.32
L49	37.8573	126.9529	20816.9224	12.8315	19.1360	1087.8390	42180.7286	62.4823	6.9525	6.32
	37.9058	127.1189	20898.7082	12.8483	19.1603	1090.7289	42346.4487	62.5641	6.9651	6.332
L50	37.9146	124.3164	20466.4483	12.8572	19.1603	1068.1687	41470.5730	61.1847	7.0321	6.541
	38.4970	126.2636	21443.3071	13.0586	19.4517	1102.3870	43449.9537	62.1431	7.1828	6.682
L51	38.4794	131.9552	22348.5154	13.0407	19.4517	1148.9232	45284.1512	64.9443	7.0488	6.266
	38.5279	132.1250	22434.9080	13.0575	19.4760	1151.9265	45459.2061	65.0279	7.0614	6.277
L52	38.5367	129.2775	21981.4930	13.0664	19.4760	1128.6458	44540.4643	63.6264	7.1284	6.48
	39.4103	132.2662	23541.5645	13.3685	19.9131	1182.2164	47701.5921	65.0974	7.3545	6.686

Section	Tip Dia.	Area	I	r	C	I/C	J	It/Q	w	w/t
	in	in^2	in^4	in	in	in^3	in^4	in^2	in	
L53	39.4941	104.3683	18813.1690	13.4535	19.9131	944.7646	38120.5809	51.3669	7.9910	9.265
	39.5426	104.4985	18883.6606	13.4703	19.9374	947.1496	38263.4160	51.4310	8.0036	9.28
L54	39.5470	103.0182	18628.5379	13.4748	19.9374	934.3533	37746.4682	50.7024	8.0371	9.455
	40.5176	105.5843	20055.5569	13.8104	20.4230	982.0078	40637.9955	51.9654	8.2883	9.751
L55	40.5265	102.5453	19503.5569	13.8194	20.4230	954.9795	39519.4939	50.4697	8.3553	10.128
	41.4971	105.0359	20959.4537	14.1550	20.9087	1002.4291	42469.5355	51.6955	8.6066	10.432
L56	41.4971	105.0359	20959.4537	14.1550	20.9087	1002.4291	42469.5355	51.6955	8.6066	10.432
	41.5456	105.1605	21034.0907	14.1718	20.9329	1004.8318	42620.7703	51.7568	8.6192	10.447
L57	41.5456	105.1605	21034.0907	14.1718	20.9329	1004.8318	42620.7703	51.7568	8.6192	10.447
	41.5941	105.2850	21108.9046	14.1886	20.9572	1007.2374	42772.3637	51.8181	8.6317	10.463
L58	41.5941	105.2850	21108.9046	14.1886	20.9572	1007.2374	42772.3637	51.8181	8.6317	10.463
	41.9824	106.2812	21713.8127	14.3229	21.1515	1026.5855	43998.0714	52.3084	8.7322	10.585
L59	41.9956	101.5454	20785.1584	14.3363	21.1515	982.6805	42116.3660	49.9775	8.8327	11.216
	42.0442	101.6642	20858.2379	14.3531	21.1758	985.0048	42264.4449	50.0360	8.8453	11.232
L60	42.0442	101.6642	20858.2379	14.3531	21.1758	985.0048	42264.4449	50.0360	8.8453	11.232
	42.1412	101.9020	21004.9103	14.3866	21.2243	989.6615	42561.6429	50.1531	8.8704	11.264
L61	42.1015	116.1334	23804.5664	14.3464	21.2243	1121.5693	48234.5052	57.1573	8.5689	9.521
	42.1501	116.2692	23888.2031	14.3631	21.2486	1124.2237	48403.9759	57.2242	8.5815	9.535
L62	42.1545	114.6901	23578.4472	14.3676	21.2486	1109.6460	47776.3264	56.4470	8.6150	9.707
	42.5427	115.7618	24245.6269	14.5019	21.4429	1130.7075	49128.2133	56.9744	8.7155	9.82
L63	42.5560	110.9731	23285.7139	14.5153	21.4429	1085.9414	47183.1695	54.6176	8.8160	10.372
	42.6045	111.1014	23366.5744	14.5321	21.4672	1088.4797	47347.0146	54.6807	8.8286	10.387
L64	42.6133	107.9001	22721.2511	14.5410	21.4672	1058.4188	46039.4148	53.1052	8.8956	10.783
	43.4869	110.1417	24166.9269	14.8431	21.9043	1103.2984	48968.7458	54.2084	9.1217	11.057
L65	43.4780	113.4109	24854.2444	14.8342	21.9043	1134.6767	50361.4374	55.8174	9.0547	10.653
	43.5266	113.5392	24938.6943	14.8509	21.9285	1137.2713	50532.5558	55.8805	9.0673	10.667
L66	43.5266	113.5392	24938.6943	14.8509	21.9285	1137.2713	50532.5558	55.8805	9.0673	10.667
	43.7692	114.1807	25363.8144	14.9349	22.0499	1150.2891	51393.9644	56.1963	9.1301	10.741
L67	43.7736	112.5353	25013.2882	14.9393	22.0499	1134.3921	50683.7034	55.3864	9.1636	10.942
	43.8222	112.6617	25097.6796	14.9561	22.0742	1136.9673	50854.7031	55.4487	9.1761	10.957
L68	43.8266	111.0134	24745.2861	14.9606	22.0742	1121.0033	50140.6583	54.6374	9.2096	11.163
	44.3604	112.3832	25672.6600	15.1452	22.3413	1149.1101	52019.7693	55.3116	9.3478	11.331

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	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 150.0000-145.0000				1	1	1			
L2 145.0000-140.0000				1	1	1			
L3 140.0000-135.0000				1	1	1			
L4 135.0000-133.0000				1	1	1			
L5 133.0000-132.7500				1	1	0.919195			
L6 132.7500-127.7500				1	1	0.920306			
L7 127.7500-123.7500				1	1	0.928276			
L8 123.7500-123.5000				1	1	0.927164			
L9 123.5000-118.7500				1	1	0.876126			
L10 118.7500-118.5000				1	1	0.845268			
L11 118.5000-117.0000				1	1	0.856073			
L12 117.0000-116.7500				1	1	0.879027			
L13 116.7500-				1	1	0.89611			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	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
111.7500									
L14 111.7500-106.7500				1	1	0.901451			
L15 106.7500-101.7500				1	1	0.909426			
L16 101.7500-95.1670				1	1	0.898773			
L17 95.1670-94.5000				1	1	0.908838			
L18 94.5000-93.7500				1	1	0.906			
L19 93.7500-93.5000				1	1	0.906153			
L20 93.5000-92.7500				1	1	0.903036			
L21 92.7500-92.5000				1	1	0.876102			
L22 92.5000-91.2500				1	1	0.889264			
L23 91.2500-91.0000				1	1	0.888148			
L24 91.0000-89.2500				1	1	0.880451			
L25 89.2500-89.0000				1	1	0.884383			
L26 89.0000-85.7500				1	1	0.887418			
L27 85.7500-85.5000				1	1	0.903431			
L28 85.5000-80.5000				1	1	0.910773			
L29 80.5000-75.5000				1	1	0.91992			
L30 75.5000-70.5000				1	1	0.930909			
L31 70.5000-68.0830				1	1	0.922889			
L32 68.0830-67.8330				1	1	0.9238			
L33 67.8330-67.0000				1	1	0.920965			
L34 67.0000-66.7500				1	1	0.905289			
L35 66.7500-63.2500				1	1	0.913033			
L36 63.2500-63.0000				1	1	0.897595			
L37 63.0000-59.5000				1	1	0.902104			
L38 59.5000-59.2500				1	1	0.896125			
L39 59.2500-56.2500				1	1	0.902332			
L40 56.2500-56.0000				1	1	0.901097			
L41 56.0000-55.7500				1	1	0.928243			
L42 55.7500-50.7500				1	1	0.926135			
L43 50.7500-				1	1	0.937703			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
44.6670									
L44 44.6670-43.6670				1	1	0.935663			
L45 43.6670-38.6670				1	1	0.935111			
L46 38.6670-34.5000				1	1	0.937454			
L47 34.5000-34.2500				1	1	0.922519			
L48 34.2500-33.0000				1	1	0.918716			
L49 33.0000-32.7500				1	1	0.917961			
L50 32.7500-29.7500				1	1	0.929559			
L51 29.7500-29.5000				1	1	0.917173			
L52 29.5000-25.0000				1	1	0.923897			
L53 25.0000-24.7500				1	1	0.936348			
L54 24.7500-19.7500				1	1	0.937441			
L55 19.7500-14.7500				1	1	0.953114			
L56 14.7500-14.5000				1	1	0.952523			
L57 14.5000-14.2500				1	1	0.951934			
L58 14.2500-12.2500				1	1	0.947272			
L59 12.2500-12.0000				1	1	0.990848			
L60 12.0000-11.5000				1	1	0.989648			
L61 11.5000-11.2500				1	1	0.919523			
L62 11.2500-9.2500				1	1	0.927465			
L63 9.2500-9.0000				1	1	0.912797			
L64 9.0000-4.5000				1	1	0.930002			
L65 4.5000-4.2500				1	1	0.955592			
L66 4.2500-3.0000				1	1	0.952702			
L67 3.0000-2.7500				1	1	0.912717			
L68 2.7500-0.0000				1	1	0.920519			

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
***										
9'' x 1-1/4'' Flate Plate	A	No	Surface Af (CaAa)	29.7500 - 0.0000	1	1	0.500 0.500	9.0000	20.5000	0.00
8'' x 1-1/4'' Flate Plate	A	No	Surface Af (CaAa)	59.5000 - 29.7500	1	1	0.500 0.500	8.0000	18.5000	0.00
7'' x 1-1/4'' Flate Plate	A	No	Surface Af (CaAa)	89.2500 - 59.5000	1	1	0.500 0.500	7.0000	16.5000	0.00
5'' x 1-1/4'' Flate Plate	A	No	Surface Af (CaAa)	125.0000 - 89.2500	1	1	0.500 0.500	5.0000	12.5000	0.00
***										
9'' x 1-1/4'' Flate Plate	B	No	Surface Af (CaAa)	29.7500 - 0.0000	1	1	0.500 0.500	9.0000	20.5000	0.00
8'' x 1-1/4'' Flate Plate	B	No	Surface Af (CaAa)	59.5000 - 29.7500	1	1	0.500 0.500	8.0000	18.5000	0.00
7'' x 1-1/4'' Flate Plate	B	No	Surface Af (CaAa)	89.2500 - 59.5000	1	1	0.500 0.500	7.0000	16.5000	0.00
5'' x 1-1/4'' Flate Plate	B	No	Surface Af (CaAa)	125.0000 - 89.2500	1	1	0.500 0.500	5.0000	12.5000	0.00
***										
9'' x 1-1/4'' Flate Plate	C	No	Surface Af (CaAa)	29.7500 - 0.0000	1	1	0.500 0.500	9.0000	20.5000	0.00
8'' x 1-1/4'' Flate Plate	C	No	Surface Af (CaAa)	59.5000 - 29.7500	1	1	0.500 0.500	8.0000	18.5000	0.00
7'' x 1-1/4'' Flate Plate	C	No	Surface Af (CaAa)	89.2500 - 59.5000	1	1	0.500 0.500	7.0000	16.5000	0.00
5'' x 1-1/4'' Flate Plate	C	No	Surface Af (CaAa)	125.0000 - 89.2500	1	1	0.500 0.500	5.0000	12.5000	0.00
***										
6'' x 1'' Flate Plate	A	No	Surface Af (CaAa)	70.5833 - 0.0000	1	1	0.000 0.000	6.0000	14.0000	0.00
6'' x 1'' Flate Plate	B	No	Surface Af (CaAa)	70.5833 - 0.0000	1	1	0.000 0.000	6.0000	14.0000	0.00
6'' x 1'' Flate Plate	C	No	Surface Af (CaAa)	70.5833 - 0.0000	1	1	0.000 0.000	6.0000	14.0000	0.00
***										
4.5'' x 1'' Flate Plate	A	No	Surface Af (CaAa)	135.0000 - 70.5833	1	1	0.000 0.000	4.5000	11.0000	0.00
4.5'' x 1'' Flate Plate	B	No	Surface Af (CaAa)	135.0000 - 70.5833	1	1	0.000 0.000	4.5000	11.0000	0.00
4.5'' x 1'' Flate Plate	C	No	Surface Af (CaAa)	135.0000 - 70.5833	1	1	0.000 0.000	4.5000	11.0000	0.00
***										
Transition Stiffener	A	No	Surface Af (CaAa)	6.0000 - 0.0000	1	1	0.000 0.000	1.2500	14.5000	0.00
Transition Stiffener	B	No	Surface Af (CaAa)	13.0000 - 0.0000	1	1	0.000 0.000	1.2500	14.5000	0.00
Transition Stiffener	C	No	Surface Af (CaAa)	16.0000 - 0.0000	1	1	0.000 0.000	1.2500	14.5000	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_AA_A ft^2/ft	Weight plf
LDF4-50A(1/2)	A	No	No	Inside Pole	150.0000 - 8.0000	1	No Ice	0.0000	0.15
							1/2'' Ice	0.0000	0.15
							1'' Ice	0.0000	0.15

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
LDF5-50A(7/8)	A	No	No	Inside Pole	150.0000 - 8.0000	11	No Ice	0.0000	0.33
							1/2'' Ice	0.0000	0.33
							1'' Ice	0.0000	0.33
HB158-1-08U8-S8J18(1-5/8)	A	No	No	Inside Pole	150.0000 - 8.0000	2	No Ice	0.0000	1.30
							1/2'' Ice	0.0000	1.30
							1'' Ice	0.0000	1.30
***									
FB-L98B-002-75000(3/8)	B	No	No	Inside Pole	135.0000 - 8.0000	2	No Ice	0.0000	0.06
							1/2'' Ice	0.0000	0.06
							1'' Ice	0.0000	0.06
WR-VG86ST-BRD(3/4)	B	No	No	Inside Pole	135.0000 - 8.0000	4	No Ice	0.0000	0.58
							1/2'' Ice	0.0000	0.58
							1'' Ice	0.0000	0.58
1'' Rigid Conduit	B	No	No	Inside Pole	135.0000 - 8.0000	2	No Ice	0.0000	0.60
							1/2'' Ice	0.0000	0.60
							1'' Ice	0.0000	0.60
LDF7-50A(1-5/8)	C	No	No	Inside Pole	135.0000 - 0.0000	12	No Ice	0.0000	0.82
							1/2'' Ice	0.0000	0.82
							1'' Ice	0.0000	0.82
PWRT-606-S(7/8)	C	No	No	Inside Pole	135.0000 - 0.0000	3	No Ice	0.0000	0.89
							1/2'' Ice	0.0000	0.89
							1'' Ice	0.0000	0.89
RFFT-48SM-001-XXX(3/8)	C	No	No	Inside Pole	135.0000 - 0.0000	1	No Ice	0.0000	0.06
							1/2'' Ice	0.0000	0.06
							1'' Ice	0.0000	0.06
***									
LDF7-50A(1-5/8)	B	No	No	Inside Pole	128.0000 - 8.0000	3	No Ice	0.0000	0.82
							1/2'' Ice	0.0000	0.82
							1'' Ice	0.0000	0.82
***									
CU12PSM9P6XXX(1-1/2)	B	No	No	Inside Pole	108.0000 - 8.0000	1	No Ice	0.0000	2.35
							1/2'' Ice	0.0000	2.35
							1'' Ice	0.0000	2.35
***									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	150.0000-145.0000	A	0.000	0.000	0.000	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L2	145.0000-140.0000	A	0.000	0.000	0.000	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L3	140.0000-135.0000	A	0.000	0.000	0.000	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L4	135.0000-133.0000	A	0.000	0.000	1.500	0.000	0.01
		B	0.000	0.000	1.500	0.000	0.01
		C	0.000	0.000	1.500	0.000	0.03
L5	133.0000-132.7500	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.188	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.00
L6	132.7500-	A	0.000	0.000	3.750	0.000	0.03

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
	127.7500	B	0.000	0.000	3.750	0.000	0.02
		C	0.000	0.000	3.750	0.000	0.06
L7	127.7500-	A	0.000	0.000	4.042	0.000	0.03
	123.7500	B	0.000	0.000	4.042	0.000	0.02
		C	0.000	0.000	4.042	0.000	0.05
L8	123.7500-	A	0.000	0.000	0.396	0.000	0.00
	123.5000	B	0.000	0.000	0.396	0.000	0.00
		C	0.000	0.000	0.396	0.000	0.00
L9	123.5000-	A	0.000	0.000	7.521	0.000	0.03
	118.7500	B	0.000	0.000	7.521	0.000	0.03
		C	0.000	0.000	7.521	0.000	0.06
L10	118.7500-	A	0.000	0.000	0.396	0.000	0.00
	118.5000	B	0.000	0.000	0.396	0.000	0.00
		C	0.000	0.000	0.396	0.000	0.00
L11	118.5000-	A	0.000	0.000	2.375	0.000	0.01
	117.0000	B	0.000	0.000	2.375	0.000	0.01
		C	0.000	0.000	2.375	0.000	0.02
L12	117.0000-	A	0.000	0.000	0.396	0.000	0.00
	116.7500	B	0.000	0.000	0.396	0.000	0.00
		C	0.000	0.000	0.396	0.000	0.00
L13	116.7500-	A	0.000	0.000	7.917	0.000	0.03
	111.7500	B	0.000	0.000	7.917	0.000	0.03
		C	0.000	0.000	7.917	0.000	0.06
L14	111.7500-	A	0.000	0.000	7.917	0.000	0.03
	106.7500	B	0.000	0.000	7.917	0.000	0.03
		C	0.000	0.000	7.917	0.000	0.06
L15	106.7500-	A	0.000	0.000	7.917	0.000	0.03
	101.7500	B	0.000	0.000	7.917	0.000	0.04
		C	0.000	0.000	7.917	0.000	0.06
L16	101.7500-95.1670	A	0.000	0.000	10.423	0.000	0.04
		B	0.000	0.000	10.423	0.000	0.06
		C	0.000	0.000	10.423	0.000	0.08
L17	95.1670-94.5000	A	0.000	0.000	1.056	0.000	0.00
		B	0.000	0.000	1.056	0.000	0.01
		C	0.000	0.000	1.056	0.000	0.01
L18	94.5000-93.7500	A	0.000	0.000	1.188	0.000	0.00
		B	0.000	0.000	1.188	0.000	0.01
		C	0.000	0.000	1.188	0.000	0.01
L19	93.7500-93.5000	A	0.000	0.000	0.396	0.000	0.00
		B	0.000	0.000	0.396	0.000	0.00
		C	0.000	0.000	0.396	0.000	0.00
L20	93.5000-92.7500	A	0.000	0.000	1.188	0.000	0.00
		B	0.000	0.000	1.188	0.000	0.01
		C	0.000	0.000	1.188	0.000	0.01
L21	92.7500-92.5000	A	0.000	0.000	0.396	0.000	0.00
		B	0.000	0.000	0.396	0.000	0.00
		C	0.000	0.000	0.396	0.000	0.00
L22	92.5000-91.2500	A	0.000	0.000	1.979	0.000	0.01
		B	0.000	0.000	1.979	0.000	0.01
		C	0.000	0.000	1.979	0.000	0.02
L23	91.2500-91.0000	A	0.000	0.000	0.396	0.000	0.00
		B	0.000	0.000	0.396	0.000	0.00
		C	0.000	0.000	0.396	0.000	0.00
L24	91.0000-89.2500	A	0.000	0.000	2.771	0.000	0.01
		B	0.000	0.000	2.771	0.000	0.01
		C	0.000	0.000	2.771	0.000	0.02
L25	89.2500-89.0000	A	0.000	0.000	0.479	0.000	0.00
		B	0.000	0.000	0.479	0.000	0.00
		C	0.000	0.000	0.479	0.000	0.00
L26	89.0000-85.7500	A	0.000	0.000	6.229	0.000	0.02
		B	0.000	0.000	6.229	0.000	0.03
		C	0.000	0.000	6.229	0.000	0.04

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L27	85.7500-85.5000	A	0.000	0.000	0.479	0.000	0.00
		B	0.000	0.000	0.479	0.000	0.00
		C	0.000	0.000	0.479	0.000	0.00
L28	85.5000-80.5000	A	0.000	0.000	9.583	0.000	0.03
		B	0.000	0.000	9.583	0.000	0.04
		C	0.000	0.000	9.583	0.000	0.06
L29	80.5000-75.5000	A	0.000	0.000	9.583	0.000	0.03
		B	0.000	0.000	9.583	0.000	0.04
		C	0.000	0.000	9.583	0.000	0.06
L30	75.5000-70.5000	A	0.000	0.000	9.604	0.000	0.03
		B	0.000	0.000	9.604	0.000	0.04
		C	0.000	0.000	9.604	0.000	0.06
L31	70.5000-68.0830	A	0.000	0.000	5.237	0.000	0.02
		B	0.000	0.000	5.237	0.000	0.02
		C	0.000	0.000	5.237	0.000	0.03
L32	68.0830-67.8330	A	0.000	0.000	0.542	0.000	0.00
		B	0.000	0.000	0.542	0.000	0.00
		C	0.000	0.000	0.542	0.000	0.00
L33	67.8330-67.0000	A	0.000	0.000	1.805	0.000	0.01
		B	0.000	0.000	1.805	0.000	0.01
		C	0.000	0.000	1.805	0.000	0.01
L34	67.0000-66.7500	A	0.000	0.000	0.542	0.000	0.00
		B	0.000	0.000	0.542	0.000	0.00
		C	0.000	0.000	0.542	0.000	0.00
L35	66.7500-63.2500	A	0.000	0.000	7.583	0.000	0.02
		B	0.000	0.000	7.583	0.000	0.03
		C	0.000	0.000	7.583	0.000	0.04
L36	63.2500-63.0000	A	0.000	0.000	0.542	0.000	0.00
		B	0.000	0.000	0.542	0.000	0.00
		C	0.000	0.000	0.542	0.000	0.00
L37	63.0000-59.5000	A	0.000	0.000	7.583	0.000	0.02
		B	0.000	0.000	7.583	0.000	0.03
		C	0.000	0.000	7.583	0.000	0.04
L38	59.5000-59.2500	A	0.000	0.000	0.583	0.000	0.00
		B	0.000	0.000	0.583	0.000	0.00
		C	0.000	0.000	0.583	0.000	0.00
L39	59.2500-56.2500	A	0.000	0.000	7.000	0.000	0.02
		B	0.000	0.000	7.000	0.000	0.03
		C	0.000	0.000	7.000	0.000	0.04
L40	56.2500-56.0000	A	0.000	0.000	0.583	0.000	0.00
		B	0.000	0.000	0.583	0.000	0.00
		C	0.000	0.000	0.583	0.000	0.00
L41	56.0000-55.7500	A	0.000	0.000	0.583	0.000	0.00
		B	0.000	0.000	0.583	0.000	0.00
		C	0.000	0.000	0.583	0.000	0.00
L42	55.7500-50.7500	A	0.000	0.000	11.667	0.000	0.03
		B	0.000	0.000	11.667	0.000	0.04
		C	0.000	0.000	11.667	0.000	0.06
L43	50.7500-44.6670	A	0.000	0.000	14.194	0.000	0.04
		B	0.000	0.000	14.194	0.000	0.05
		C	0.000	0.000	14.194	0.000	0.08
L44	44.6670-43.6670	A	0.000	0.000	2.333	0.000	0.01
		B	0.000	0.000	2.333	0.000	0.01
		C	0.000	0.000	2.333	0.000	0.01
L45	43.6670-38.6670	A	0.000	0.000	11.667	0.000	0.03
		B	0.000	0.000	11.667	0.000	0.04
		C	0.000	0.000	11.667	0.000	0.06
L46	38.6670-34.5000	A	0.000	0.000	9.723	0.000	0.03
		B	0.000	0.000	9.723	0.000	0.04
		C	0.000	0.000	9.723	0.000	0.05
L47	34.5000-34.2500	A	0.000	0.000	0.583	0.000	0.00
		B	0.000	0.000	0.583	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C	0.000	0.000	0.583	0.000	0.00
L48	34.2500-33.0000	A	0.000	0.000	2.917	0.000	0.01
		B	0.000	0.000	2.917	0.000	0.01
		C	0.000	0.000	2.917	0.000	0.02
L49	33.0000-32.7500	A	0.000	0.000	0.583	0.000	0.00
		B	0.000	0.000	0.583	0.000	0.00
		C	0.000	0.000	0.583	0.000	0.00
L50	32.7500-29.7500	A	0.000	0.000	7.000	0.000	0.02
		B	0.000	0.000	7.000	0.000	0.03
		C	0.000	0.000	7.000	0.000	0.04
L51	29.7500-29.5000	A	0.000	0.000	0.625	0.000	0.00
		B	0.000	0.000	0.625	0.000	0.00
		C	0.000	0.000	0.625	0.000	0.00
L52	29.5000-25.0000	A	0.000	0.000	11.250	0.000	0.03
		B	0.000	0.000	11.250	0.000	0.04
		C	0.000	0.000	11.250	0.000	0.06
L53	25.0000-24.7500	A	0.000	0.000	0.625	0.000	0.00
		B	0.000	0.000	0.625	0.000	0.00
		C	0.000	0.000	0.625	0.000	0.00
L54	24.7500-19.7500	A	0.000	0.000	12.500	0.000	0.03
		B	0.000	0.000	12.500	0.000	0.04
		C	0.000	0.000	12.500	0.000	0.06
L55	19.7500-14.7500	A	0.000	0.000	12.500	0.000	0.03
		B	0.000	0.000	12.500	0.000	0.04
		C	0.000	0.000	12.760	0.000	0.06
L56	14.7500-14.5000	A	0.000	0.000	0.625	0.000	0.00
		B	0.000	0.000	0.625	0.000	0.00
		C	0.000	0.000	0.677	0.000	0.00
L57	14.5000-14.2500	A	0.000	0.000	0.625	0.000	0.00
		B	0.000	0.000	0.625	0.000	0.00
		C	0.000	0.000	0.677	0.000	0.00
L58	14.2500-12.2500	A	0.000	0.000	5.000	0.000	0.01
		B	0.000	0.000	5.156	0.000	0.02
		C	0.000	0.000	5.417	0.000	0.03
L59	12.2500-12.0000	A	0.000	0.000	0.625	0.000	0.00
		B	0.000	0.000	0.677	0.000	0.00
		C	0.000	0.000	0.677	0.000	0.00
L60	12.0000-11.5000	A	0.000	0.000	1.250	0.000	0.00
		B	0.000	0.000	1.354	0.000	0.00
		C	0.000	0.000	1.354	0.000	0.01
L61	11.5000-11.2500	A	0.000	0.000	0.625	0.000	0.00
		B	0.000	0.000	0.677	0.000	0.00
		C	0.000	0.000	0.677	0.000	0.00
L62	11.2500-9.2500	A	0.000	0.000	5.000	0.000	0.01
		B	0.000	0.000	5.417	0.000	0.02
		C	0.000	0.000	5.417	0.000	0.03
L63	9.2500-9.0000	A	0.000	0.000	0.625	0.000	0.00
		B	0.000	0.000	0.677	0.000	0.00
		C	0.000	0.000	0.677	0.000	0.00
L64	9.0000-4.5000	A	0.000	0.000	11.493	0.000	0.01
		B	0.000	0.000	12.188	0.000	0.01
		C	0.000	0.000	12.188	0.000	0.06
L65	4.5000-4.2500	A	0.000	0.000	0.666	0.000	0.00
		B	0.000	0.000	0.677	0.000	0.00
		C	0.000	0.000	0.677	0.000	0.00
L66	4.2500-3.0000	A	0.000	0.000	3.328	0.000	0.00
		B	0.000	0.000	3.385	0.000	0.00
		C	0.000	0.000	3.385	0.000	0.02
L67	3.0000-2.7500	A	0.000	0.000	0.666	0.000	0.00
		B	0.000	0.000	0.677	0.000	0.00
		C	0.000	0.000	0.677	0.000	0.00
L68	2.7500-0.0000	A	0.000	0.000	7.321	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B	0.000	0.000	7.448	0.000	0.00
		C	0.000	0.000	7.448	0.000	0.03

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	150.0000-145.0000	A	0.987	0.000	0.000	0.000	0.000	0.03
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L2	145.0000-140.0000	A	0.984	0.000	0.000	0.000	0.000	0.03
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L3	140.0000-135.0000	A	0.980	0.000	0.000	0.000	0.000	0.03
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L4	135.0000-133.0000	A	0.978	0.000	0.000	1.891	0.000	0.02
		B		0.000	0.000	1.891	0.000	0.02
		C		0.000	0.000	1.891	0.000	0.04
L5	133.0000-132.7500	A	0.977	0.000	0.000	0.236	0.000	0.00
		B		0.000	0.000	0.236	0.000	0.00
		C		0.000	0.000	0.236	0.000	0.00
L6	132.7500-127.7500	A	0.975	0.000	0.000	4.725	0.000	0.06
		B		0.000	0.000	4.725	0.000	0.05
		C		0.000	0.000	4.725	0.000	0.09
L7	127.7500-123.7500	A	0.972	0.000	0.000	5.062	0.000	0.06
		B		0.000	0.000	5.062	0.000	0.05
		C		0.000	0.000	5.062	0.000	0.08
L8	123.7500-123.5000	A	0.970	0.000	0.000	0.493	0.000	0.00
		B		0.000	0.000	0.493	0.000	0.00
		C		0.000	0.000	0.493	0.000	0.01
L9	123.5000-118.7500	A	0.968	0.000	0.000	9.360	0.000	0.09
		B		0.000	0.000	9.360	0.000	0.08
		C		0.000	0.000	9.360	0.000	0.11
L10	118.7500-118.5000	A	0.966	0.000	0.000	0.492	0.000	0.00
		B		0.000	0.000	0.492	0.000	0.00
		C		0.000	0.000	0.492	0.000	0.01
L11	118.5000-117.0000	A	0.965	0.000	0.000	2.954	0.000	0.03
		B		0.000	0.000	2.954	0.000	0.03
		C		0.000	0.000	2.954	0.000	0.04
L12	117.0000-116.7500	A	0.965	0.000	0.000	0.492	0.000	0.00
		B		0.000	0.000	0.492	0.000	0.00
		C		0.000	0.000	0.492	0.000	0.01
L13	116.7500-111.7500	A	0.962	0.000	0.000	9.841	0.000	0.09
		B		0.000	0.000	9.841	0.000	0.09
		C		0.000	0.000	9.841	0.000	0.12
L14	111.7500-106.7500	A	0.958	0.000	0.000	9.833	0.000	0.09
		B		0.000	0.000	9.833	0.000	0.09
		C		0.000	0.000	9.833	0.000	0.12
L15	106.7500-101.7500	A	0.954	0.000	0.000	9.824	0.000	0.09
		B		0.000	0.000	9.824	0.000	0.10
		C		0.000	0.000	9.824	0.000	0.12
L16	101.7500-95.1670	A	0.948	0.000	0.000	12.920	0.000	0.12
		B		0.000	0.000	12.920	0.000	0.13
		C		0.000	0.000	12.920	0.000	0.16
L17	95.1670-94.5000	A	0.945	0.000	0.000	1.309	0.000	0.01
		B		0.000	0.000	1.309	0.000	0.01
		C		0.000	0.000	1.309	0.000	0.02
L18	94.5000-93.7500	A	0.944	0.000	0.000	1.471	0.000	0.01

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B		0.000	0.000	1.471	0.000	0.01
		C		0.000	0.000	1.471	0.000	0.02
L19	93.7500-93.5000	A	0.943	0.000	0.000	0.490	0.000	0.00
		B		0.000	0.000	0.490	0.000	0.00
		C		0.000	0.000	0.490	0.000	0.01
L20	93.5000-92.7500	A	0.943	0.000	0.000	1.470	0.000	0.01
		B		0.000	0.000	1.470	0.000	0.01
		C		0.000	0.000	1.470	0.000	0.02
L21	92.7500-92.5000	A	0.942	0.000	0.000	0.490	0.000	0.00
		B		0.000	0.000	0.490	0.000	0.00
		C		0.000	0.000	0.490	0.000	0.01
L22	92.5000-91.2500	A	0.942	0.000	0.000	2.450	0.000	0.02
		B		0.000	0.000	2.450	0.000	0.02
		C		0.000	0.000	2.450	0.000	0.03
L23	91.2500-91.0000	A	0.941	0.000	0.000	0.490	0.000	0.00
		B		0.000	0.000	0.490	0.000	0.00
		C		0.000	0.000	0.490	0.000	0.01
L24	91.0000-89.2500	A	0.940	0.000	0.000	3.429	0.000	0.03
		B		0.000	0.000	3.429	0.000	0.03
		C		0.000	0.000	3.429	0.000	0.04
L25	89.2500-89.0000	A	0.939	0.000	0.000	0.573	0.000	0.00
		B		0.000	0.000	0.573	0.000	0.01
		C		0.000	0.000	0.573	0.000	0.01
L26	89.0000-85.7500	A	0.937	0.000	0.000	7.447	0.000	0.06
		B		0.000	0.000	7.447	0.000	0.07
		C		0.000	0.000	7.447	0.000	0.08
L27	85.7500-85.5000	A	0.935	0.000	0.000	0.573	0.000	0.00
		B		0.000	0.000	0.573	0.000	0.01
		C		0.000	0.000	0.573	0.000	0.01
L28	85.5000-80.5000	A	0.932	0.000	0.000	11.448	0.000	0.09
		B		0.000	0.000	11.448	0.000	0.10
		C		0.000	0.000	11.448	0.000	0.13
L29	80.5000-75.5000	A	0.926	0.000	0.000	11.436	0.000	0.09
		B		0.000	0.000	11.436	0.000	0.10
		C		0.000	0.000	11.436	0.000	0.13
L30	75.5000-70.5000	A	0.920	0.000	0.000	11.445	0.000	0.09
		B		0.000	0.000	11.445	0.000	0.10
		C		0.000	0.000	11.445	0.000	0.12
L31	70.5000-68.0830	A	0.915	0.000	0.000	6.122	0.000	0.05
		B		0.000	0.000	6.122	0.000	0.05
		C		0.000	0.000	6.122	0.000	0.06
L32	68.0830-67.8330	A	0.914	0.000	0.000	0.633	0.000	0.00
		B		0.000	0.000	0.633	0.000	0.01
		C		0.000	0.000	0.633	0.000	0.01
L33	67.8330-67.0000	A	0.913	0.000	0.000	2.109	0.000	0.02
		B		0.000	0.000	2.109	0.000	0.02
		C		0.000	0.000	2.109	0.000	0.02
L34	67.0000-66.7500	A	0.912	0.000	0.000	0.633	0.000	0.00
		B		0.000	0.000	0.633	0.000	0.01
		C		0.000	0.000	0.633	0.000	0.01
L35	66.7500-63.2500	A	0.910	0.000	0.000	8.857	0.000	0.07
		B		0.000	0.000	8.857	0.000	0.08
		C		0.000	0.000	8.857	0.000	0.09
L36	63.2500-63.0000	A	0.907	0.000	0.000	0.632	0.000	0.00
		B		0.000	0.000	0.632	0.000	0.01
		C		0.000	0.000	0.632	0.000	0.01
L37	63.0000-59.5000	A	0.904	0.000	0.000	8.849	0.000	0.07
		B		0.000	0.000	8.849	0.000	0.08
		C		0.000	0.000	8.849	0.000	0.09
L38	59.5000-59.2500	A	0.901	0.000	0.000	0.673	0.000	0.01
		B		0.000	0.000	0.673	0.000	0.01
		C		0.000	0.000	0.673	0.000	0.01

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L39	59.2500-56.2500	A	0.899	0.000	0.000	8.079	0.000	0.06
		B		0.000	0.000	8.079	0.000	0.07
		C		0.000	0.000	8.079	0.000	0.08
L40	56.2500-56.0000	A	0.896	0.000	0.000	0.673	0.000	0.01
		B		0.000	0.000	0.673	0.000	0.01
		C		0.000	0.000	0.673	0.000	0.01
L41	56.0000-55.7500	A	0.896	0.000	0.000	0.673	0.000	0.01
		B		0.000	0.000	0.673	0.000	0.01
		C		0.000	0.000	0.673	0.000	0.01
L42	55.7500-50.7500	A	0.892	0.000	0.000	13.450	0.000	0.10
		B		0.000	0.000	13.450	0.000	0.11
		C		0.000	0.000	13.450	0.000	0.13
L43	50.7500-44.6670	A	0.882	0.000	0.000	16.339	0.000	0.12
		B		0.000	0.000	16.339	0.000	0.13
		C		0.000	0.000	16.339	0.000	0.16
L44	44.6670-43.6670	A	0.875	0.000	0.000	2.686	0.000	0.02
		B		0.000	0.000	2.686	0.000	0.02
		C		0.000	0.000	2.686	0.000	0.03
L45	43.6670-38.6670	A	0.869	0.000	0.000	13.405	0.000	0.10
		B		0.000	0.000	13.405	0.000	0.11
		C		0.000	0.000	13.405	0.000	0.13
L46	38.6670-34.5000	A	0.859	0.000	0.000	11.154	0.000	0.08
		B		0.000	0.000	11.154	0.000	0.09
		C		0.000	0.000	11.154	0.000	0.11
L47	34.5000-34.2500	A	0.853	0.000	0.000	0.669	0.000	0.00
		B		0.000	0.000	0.669	0.000	0.01
		C		0.000	0.000	0.669	0.000	0.01
L48	34.2500-33.0000	A	0.852	0.000	0.000	3.342	0.000	0.02
		B		0.000	0.000	3.342	0.000	0.03
		C		0.000	0.000	3.342	0.000	0.03
L49	33.0000-32.7500	A	0.850	0.000	0.000	0.668	0.000	0.00
		B		0.000	0.000	0.668	0.000	0.01
		C		0.000	0.000	0.668	0.000	0.01
L50	32.7500-29.7500	A	0.845	0.000	0.000	8.014	0.000	0.06
		B		0.000	0.000	8.014	0.000	0.06
		C		0.000	0.000	8.014	0.000	0.08
L51	29.7500-29.5000	A	0.841	0.000	0.000	0.709	0.000	0.00
		B		0.000	0.000	0.709	0.000	0.01
		C		0.000	0.000	0.709	0.000	0.01
L52	29.5000-25.0000	A	0.834	0.000	0.000	12.751	0.000	0.09
		B		0.000	0.000	12.751	0.000	0.10
		C		0.000	0.000	12.751	0.000	0.12
L53	25.0000-24.7500	A	0.826	0.000	0.000	0.708	0.000	0.00
		B		0.000	0.000	0.708	0.000	0.01
		C		0.000	0.000	0.708	0.000	0.01
L54	24.7500-19.7500	A	0.817	0.000	0.000	14.134	0.000	0.10
		B		0.000	0.000	14.134	0.000	0.11
		C		0.000	0.000	14.134	0.000	0.13
L55	19.7500-14.7500	A	0.797	0.000	0.000	14.093	0.000	0.09
		B		0.000	0.000	14.093	0.000	0.11
		C		0.000	0.000	14.553	0.000	0.13
L56	14.7500-14.5000	A	0.784	0.000	0.000	0.703	0.000	0.00
		B		0.000	0.000	0.703	0.000	0.01
		C		0.000	0.000	0.795	0.000	0.01
L57	14.5000-14.2500	A	0.782	0.000	0.000	0.703	0.000	0.00
		B		0.000	0.000	0.703	0.000	0.01
		C		0.000	0.000	0.794	0.000	0.01
L58	14.2500-12.2500	A	0.776	0.000	0.000	5.621	0.000	0.04
		B		0.000	0.000	5.876	0.000	0.05
		C		0.000	0.000	6.348	0.000	0.06
L59	12.2500-12.0000	A	0.769	0.000	0.000	0.702	0.000	0.00
		B		0.000	0.000	0.787	0.000	0.01

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C		0.000	0.000	0.792	0.000	0.01
L60	12.0000-11.5000	A	0.767	0.000	0.000	1.403	0.000	0.01
		B		0.000	0.000	1.573	0.000	0.01
		C		0.000	0.000	1.584	0.000	0.01
L61	11.5000-11.2500	A	0.764	0.000	0.000	0.701	0.000	0.00
		B		0.000	0.000	0.786	0.000	0.01
		C		0.000	0.000	0.792	0.000	0.01
L62	11.2500-9.2500	A	0.756	0.000	0.000	5.605	0.000	0.04
		B		0.000	0.000	6.279	0.000	0.05
		C		0.000	0.000	6.324	0.000	0.06
L63	9.2500-9.0000	A	0.747	0.000	0.000	0.700	0.000	0.00
		B		0.000	0.000	0.784	0.000	0.01
		C		0.000	0.000	0.789	0.000	0.01
L64	9.0000-4.5000	A	0.725	0.000	0.000	12.947	0.000	0.06
		B		0.000	0.000	14.049	0.000	0.08
		C		0.000	0.000	14.146	0.000	0.13
L65	4.5000-4.2500	A	0.694	0.000	0.000	0.759	0.000	0.00
		B		0.000	0.000	0.776	0.000	0.00
		C		0.000	0.000	0.781	0.000	0.01
L66	4.2500-3.0000	A	0.682	0.000	0.000	3.785	0.000	0.02
		B		0.000	0.000	3.872	0.000	0.02
		C		0.000	0.000	3.897	0.000	0.03
L67	3.0000-2.7500	A	0.666	0.000	0.000	0.755	0.000	0.00
		B		0.000	0.000	0.772	0.000	0.00
		C		0.000	0.000	0.777	0.000	0.01
L68	2.7500-0.0000	A	0.618	0.000	0.000	8.235	0.000	0.04
		B		0.000	0.000	8.422	0.000	0.04
		C		0.000	0.000	8.468	0.000	0.07

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	150.0000-145.0000	0.0000	0.0000	0.0000	0.0000
L2	145.0000-140.0000	0.0000	0.0000	0.0000	0.0000
L3	140.0000-135.0000	0.0000	0.0000	0.0000	0.0000
L4	135.0000-133.0000	0.0000	0.0000	0.0000	0.0000
L5	133.0000-132.7500	0.0000	0.0000	0.0000	0.0000
L6	132.7500-127.7500	0.0000	0.0000	0.0000	0.0000
L7	127.7500-123.7500	0.0000	0.0000	0.0000	0.0000
L8	123.7500-123.5000	0.0000	0.0000	0.0000	0.0000
L9	123.5000-118.7500	0.0000	0.0000	0.0000	0.0000
L10	118.7500-118.5000	0.0000	0.0000	0.0000	0.0000
L11	118.5000-117.0000	0.0000	0.0000	0.0000	0.0000
L12	117.0000-116.7500	0.0000	0.0000	0.0000	0.0000
L13	116.7500-111.7500	0.0000	0.0000	0.0000	0.0000
L14	111.7500-106.7500	0.0000	0.0000	0.0000	0.0000
L15	106.7500-101.7500	0.0000	0.0000	0.0000	0.0000
L16	101.7500-95.1670	0.0000	0.0000	0.0000	0.0000
L17	95.1670-94.5000	0.0000	0.0000	0.0000	0.0000
L18	94.5000-93.7500	0.0000	0.0000	0.0000	0.0000
L19	93.7500-93.5000	0.0000	0.0000	0.0000	0.0000
L20	93.5000-92.7500	0.0000	0.0000	0.0000	0.0000
L21	92.7500-92.5000	0.0000	0.0000	0.0000	0.0000
L22	92.5000-91.2500	0.0000	0.0000	0.0000	0.0000
L23	91.2500-91.0000	0.0000	0.0000	0.0000	0.0000
L24	91.0000-89.2500	0.0000	0.0000	0.0000	0.0000

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L25	89.2500-89.0000	0.0000	0.0000	0.0000	0.0000
L26	89.0000-85.7500	0.0000	0.0000	0.0000	0.0000
L27	85.7500-85.5000	0.0000	0.0000	0.0000	0.0000
L28	85.5000-80.5000	0.0000	0.0000	0.0000	0.0000
L29	80.5000-75.5000	0.0000	0.0000	0.0000	0.0000
L30	75.5000-70.5000	0.0000	0.0000	0.0000	0.0000
L31	70.5000-68.0830	0.0000	0.0000	0.0000	0.0000
L32	68.0830-67.8330	0.0000	0.0000	0.0000	0.0000
L33	67.8330-67.0000	0.0000	0.0000	0.0000	0.0000
L34	67.0000-66.7500	0.0000	0.0000	0.0000	0.0000
L35	66.7500-63.2500	0.0000	0.0000	0.0000	0.0000
L36	63.2500-63.0000	0.0000	0.0000	0.0000	0.0000
L37	63.0000-59.5000	0.0000	0.0000	0.0000	0.0000
L38	59.5000-59.2500	0.0000	0.0000	0.0000	0.0000
L39	59.2500-56.2500	0.0000	0.0000	0.0000	0.0000
L40	56.2500-56.0000	0.0000	0.0000	0.0000	0.0000
L41	56.0000-55.7500	0.0000	0.0000	0.0000	0.0000
L42	55.7500-50.7500	0.0000	0.0000	0.0000	0.0000
L43	50.7500-44.6670	0.0000	0.0000	0.0000	0.0000
L44	44.6670-43.6670	0.0000	0.0000	0.0000	0.0000
L45	43.6670-38.6670	0.0000	0.0000	0.0000	0.0000
L46	38.6670-34.5000	0.0000	0.0000	0.0000	0.0000
L47	34.5000-34.2500	0.0000	0.0000	0.0000	0.0000
L48	34.2500-33.0000	0.0000	0.0000	0.0000	0.0000
L49	33.0000-32.7500	0.0000	0.0000	0.0000	0.0000
L50	32.7500-29.7500	0.0000	0.0000	0.0000	0.0000
L51	29.7500-29.5000	0.0000	0.0000	0.0000	0.0000
L52	29.5000-25.0000	0.0000	0.0000	0.0000	0.0000
L53	25.0000-24.7500	0.0000	0.0000	0.0000	0.0000
L54	24.7500-19.7500	0.0000	0.0000	0.0000	0.0000
L55	19.7500-14.7500	0.0000	0.1115	0.0000	0.1659
L56	14.7500-14.5000	0.0000	0.4395	0.0000	0.6456
L57	14.5000-14.2500	0.0000	0.4397	0.0000	0.6457
L58	14.2500-12.2500	0.1426	0.3556	0.1947	0.5271
L59	12.2500-12.0000	0.3760	0.2171	0.5101	0.3349
L60	12.0000-11.5000	0.3763	0.2173	0.5101	0.3348
L61	11.5000-11.2500	0.3768	0.2175	0.5104	0.3348
L62	11.2500-9.2500	0.3779	0.2182	0.5105	0.3344
L63	9.2500-9.0000	0.3790	0.2188	0.5104	0.3339
L64	9.0000-4.5000	0.2803	0.1619	0.3728	0.2528
L65	4.5000-4.2500	0.0829	0.0479	0.1066	0.0967
L66	4.2500-3.0000	0.0831	0.0480	0.1065	0.0958
L67	3.0000-2.7500	0.0832	0.0481	0.1063	0.0946
L68	2.7500-0.0000	0.0836	0.0483	0.1054	0.0910

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
L4	37	4.5" x 1" Flate Plate	133.00 - 135.00	1.0000	1.0000
L4	38	4.5" x 1" Flate Plate	133.00 - 135.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L4	39	4.5" x 1" Flate Plate	133.00 - 135.00	1.0000	1.0000
L5	37	4.5" x 1" Flate Plate	132.75 - 133.00	1.0000	1.0000
L5	38	4.5" x 1" Flate Plate	132.75 - 133.00	1.0000	1.0000
L5	39	4.5" x 1" Flate Plate	132.75 - 133.00	1.0000	1.0000
L6	37	4.5" x 1" Flate Plate	127.75 - 132.75	1.0000	1.0000
L6	38	4.5" x 1" Flate Plate	127.75 - 132.75	1.0000	1.0000
L6	39	4.5" x 1" Flate Plate	127.75 - 132.75	1.0000	1.0000
L7	21	5" x 1-1/4" Flate Plate	123.75 - 125.00	1.0000	1.0000
L7	26	5" x 1-1/4" Flate Plate	123.75 - 125.00	1.0000	1.0000
L7	31	5" x 1-1/4" Flate Plate	123.75 - 125.00	1.0000	1.0000
L7	37	4.5" x 1" Flate Plate	123.75 - 127.75	1.0000	1.0000
L7	38	4.5" x 1" Flate Plate	123.75 - 127.75	1.0000	1.0000
L7	39	4.5" x 1" Flate Plate	123.75 - 127.75	1.0000	1.0000
L8	21	5" x 1-1/4" Flate Plate	123.50 - 123.75	1.0000	1.0000
L8	26	5" x 1-1/4" Flate Plate	123.50 - 123.75	1.0000	1.0000
L8	31	5" x 1-1/4" Flate Plate	123.50 - 123.75	1.0000	1.0000
L8	37	4.5" x 1" Flate Plate	123.50 - 123.75	1.0000	1.0000
L8	38	4.5" x 1" Flate Plate	123.50 - 123.75	1.0000	1.0000
L8	39	4.5" x 1" Flate Plate	123.50 - 123.75	1.0000	1.0000
L9	21	5" x 1-1/4" Flate Plate	118.75 - 123.50	1.0000	1.0000
L9	26	5" x 1-1/4" Flate Plate	118.75 - 123.50	1.0000	1.0000
L9	31	5" x 1-1/4" Flate Plate	118.75 - 123.50	1.0000	1.0000
L9	37	4.5" x 1" Flate Plate	118.75 - 123.50	1.0000	1.0000
L9	38	4.5" x 1" Flate Plate	118.75 - 123.50	1.0000	1.0000
L9	39	4.5" x 1" Flate Plate	118.75 - 123.50	1.0000	1.0000
L10	21	5" x 1-1/4" Flate Plate	118.50 - 118.75	1.0000	1.0000
L10	26	5" x 1-1/4" Flate Plate	118.50 - 118.75	1.0000	1.0000
L10	31	5" x 1-1/4" Flate Plate	118.50 - 118.75	1.0000	1.0000
L10	37	4.5" x 1" Flate Plate	118.50 - 118.75	1.0000	1.0000
L10	38	4.5" x 1" Flate Plate	118.50 - 118.75	1.0000	1.0000
L10	39	4.5" x 1" Flate Plate	118.50 - 118.75	1.0000	1.0000
L11	21	5" x 1-1/4" Flate Plate	117.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			118.50		
L11	26	5" x 1-1/4" Flate Plate	117.00 - 118.50	1.0000	1.0000
L11	31	5" x 1-1/4" Flate Plate	117.00 - 118.50	1.0000	1.0000
L11	37	4.5" x 1" Flate Plate	117.00 - 118.50	1.0000	1.0000
L11	38	4.5" x 1" Flate Plate	117.00 - 118.50	1.0000	1.0000
L11	39	4.5" x 1" Flate Plate	117.00 - 118.50	1.0000	1.0000
L12	21	5" x 1-1/4" Flate Plate	116.75 - 117.00	1.0000	1.0000
L12	26	5" x 1-1/4" Flate Plate	116.75 - 117.00	1.0000	1.0000
L12	31	5" x 1-1/4" Flate Plate	116.75 - 117.00	1.0000	1.0000
L12	37	4.5" x 1" Flate Plate	116.75 - 117.00	1.0000	1.0000
L12	38	4.5" x 1" Flate Plate	116.75 - 117.00	1.0000	1.0000
L12	39	4.5" x 1" Flate Plate	116.75 - 117.00	1.0000	1.0000
L13	21	5" x 1-1/4" Flate Plate	111.75 - 116.75	1.0000	1.0000
L13	26	5" x 1-1/4" Flate Plate	111.75 - 116.75	1.0000	1.0000
L13	31	5" x 1-1/4" Flate Plate	111.75 - 116.75	1.0000	1.0000
L13	37	4.5" x 1" Flate Plate	111.75 - 116.75	1.0000	1.0000
L13	38	4.5" x 1" Flate Plate	111.75 - 116.75	1.0000	1.0000
L13	39	4.5" x 1" Flate Plate	111.75 - 116.75	1.0000	1.0000
L14	21	5" x 1-1/4" Flate Plate	106.75 - 111.75	1.0000	1.0000
L14	26	5" x 1-1/4" Flate Plate	106.75 - 111.75	1.0000	1.0000
L14	31	5" x 1-1/4" Flate Plate	106.75 - 111.75	1.0000	1.0000
L14	37	4.5" x 1" Flate Plate	106.75 - 111.75	1.0000	1.0000
L14	38	4.5" x 1" Flate Plate	106.75 - 111.75	1.0000	1.0000
L14	39	4.5" x 1" Flate Plate	106.75 - 111.75	1.0000	1.0000
L15	21	5" x 1-1/4" Flate Plate	101.75 - 106.75	1.0000	1.0000
L15	26	5" x 1-1/4" Flate Plate	101.75 - 106.75	1.0000	1.0000
L15	31	5" x 1-1/4" Flate Plate	101.75 - 106.75	1.0000	1.0000
L15	37	4.5" x 1" Flate Plate	101.75 - 106.75	1.0000	1.0000
L15	38	4.5" x 1" Flate Plate	101.75 - 106.75	1.0000	1.0000
L15	39	4.5" x 1" Flate Plate	101.75 - 106.75	1.0000	1.0000
L16	21	5" x 1-1/4" Flate Plate	95.17 - 101.75	1.0000	1.0000
L16	26	5" x 1-1/4" Flate Plate	95.17 - 101.75	1.0000	1.0000
L16	31	5" x 1-1/4" Flate Plate	95.17 - 101.75	1.0000	1.0000
L16	37	4.5" x 1" Flate Plate	95.17 - 101.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L16	38	4.5" x 1" Flate Plate	95.17 - 101.75	1.0000	1.0000
L16	39	4.5" x 1" Flate Plate	95.17 - 101.75	1.0000	1.0000
L17	21	5" x 1-1/4" Flate Plate	94.50 - 95.17	1.0000	1.0000
L17	26	5" x 1-1/4" Flate Plate	94.50 - 95.17	1.0000	1.0000
L17	31	5" x 1-1/4" Flate Plate	94.50 - 95.17	1.0000	1.0000
L17	37	4.5" x 1" Flate Plate	94.50 - 95.17	1.0000	1.0000
L17	38	4.5" x 1" Flate Plate	94.50 - 95.17	1.0000	1.0000
L17	39	4.5" x 1" Flate Plate	94.50 - 95.17	1.0000	1.0000
L18	21	5" x 1-1/4" Flate Plate	93.75 - 94.50	1.0000	1.0000
L18	26	5" x 1-1/4" Flate Plate	93.75 - 94.50	1.0000	1.0000
L18	31	5" x 1-1/4" Flate Plate	93.75 - 94.50	1.0000	1.0000
L18	37	4.5" x 1" Flate Plate	93.75 - 94.50	1.0000	1.0000
L18	38	4.5" x 1" Flate Plate	93.75 - 94.50	1.0000	1.0000
L18	39	4.5" x 1" Flate Plate	93.75 - 94.50	1.0000	1.0000
L19	21	5" x 1-1/4" Flate Plate	93.50 - 93.75	1.0000	1.0000
L19	26	5" x 1-1/4" Flate Plate	93.50 - 93.75	1.0000	1.0000
L19	31	5" x 1-1/4" Flate Plate	93.50 - 93.75	1.0000	1.0000
L19	37	4.5" x 1" Flate Plate	93.50 - 93.75	1.0000	1.0000
L19	38	4.5" x 1" Flate Plate	93.50 - 93.75	1.0000	1.0000
L19	39	4.5" x 1" Flate Plate	93.50 - 93.75	1.0000	1.0000
L20	21	5" x 1-1/4" Flate Plate	92.75 - 93.50	1.0000	1.0000
L20	26	5" x 1-1/4" Flate Plate	92.75 - 93.50	1.0000	1.0000
L20	31	5" x 1-1/4" Flate Plate	92.75 - 93.50	1.0000	1.0000
L20	37	4.5" x 1" Flate Plate	92.75 - 93.50	1.0000	1.0000
L20	38	4.5" x 1" Flate Plate	92.75 - 93.50	1.0000	1.0000
L20	39	4.5" x 1" Flate Plate	92.75 - 93.50	1.0000	1.0000
L21	21	5" x 1-1/4" Flate Plate	92.50 - 92.75	1.0000	1.0000
L21	26	5" x 1-1/4" Flate Plate	92.50 - 92.75	1.0000	1.0000
L21	31	5" x 1-1/4" Flate Plate	92.50 - 92.75	1.0000	1.0000
L21	37	4.5" x 1" Flate Plate	92.50 - 92.75	1.0000	1.0000
L21	38	4.5" x 1" Flate Plate	92.50 - 92.75	1.0000	1.0000
L21	39	4.5" x 1" Flate Plate	92.50 - 92.75	1.0000	1.0000
L22	21	5" x 1-1/4" Flate Plate	91.25 - 92.50	1.0000	1.0000
L22	26	5" x 1-1/4" Flate Plate	91.25 - 92.50	1.0000	1.0000
L22	31	5" x 1-1/4" Flate Plate	91.25 - 92.50	1.0000	1.0000
L22	37	4.5" x 1" Flate Plate	91.25 - 92.50	1.0000	1.0000
L22	38	4.5" x 1" Flate Plate	91.25 - 92.50	1.0000	1.0000
L22	39	4.5" x 1" Flate Plate	91.25 - 92.50	1.0000	1.0000
L23	21	5" x 1-1/4" Flate Plate	91.00 - 91.25	1.0000	1.0000
L23	26	5" x 1-1/4" Flate Plate	91.00 - 91.25	1.0000	1.0000
L23	31	5" x 1-1/4" Flate Plate	91.00 - 91.25	1.0000	1.0000
L23	37	4.5" x 1" Flate Plate	91.00 - 91.25	1.0000	1.0000
L23	38	4.5" x 1" Flate Plate	91.00 - 91.25	1.0000	1.0000
L23	39	4.5" x 1" Flate Plate	91.00 - 91.25	1.0000	1.0000
L24	21	5" x 1-1/4" Flate Plate	89.25 - 91.00	1.0000	1.0000
L24	26	5" x 1-1/4" Flate Plate	89.25 - 91.00	1.0000	1.0000
L24	31	5" x 1-1/4" Flate Plate	89.25 - 91.00	1.0000	1.0000
L24	37	4.5" x 1" Flate Plate	89.25 - 91.00	1.0000	1.0000
L24	38	4.5" x 1" Flate Plate	89.25 - 91.00	1.0000	1.0000
L24	39	4.5" x 1" Flate Plate	89.25 - 91.00	1.0000	1.0000
L25	20	7" x 1-1/4" Flate Plate	89.00 - 89.25	1.0000	1.0000
L25	25	7" x 1-1/4" Flate Plate	89.00 - 89.25	1.0000	1.0000
L25	30	7" x 1-1/4" Flate Plate	89.00 - 89.25	1.0000	1.0000
L25	37	4.5" x 1" Flate Plate	89.00 - 89.25	1.0000	1.0000
L25	38	4.5" x 1" Flate Plate	89.00 - 89.25	1.0000	1.0000
L25	39	4.5" x 1" Flate Plate	89.00 - 89.25	1.0000	1.0000
L26	20	7" x 1-1/4" Flate Plate	85.75 - 89.00	1.0000	1.0000
L26	25	7" x 1-1/4" Flate Plate	85.75 - 89.00	1.0000	1.0000
L26	30	7" x 1-1/4" Flate Plate	85.75 - 89.00	1.0000	1.0000
L26	37	4.5" x 1" Flate Plate	85.75 - 89.00	1.0000	1.0000
L26	38	4.5" x 1" Flate Plate	85.75 - 89.00	1.0000	1.0000
L26	39	4.5" x 1" Flate Plate	85.75 - 89.00	1.0000	1.0000
L27	20	7" x 1-1/4" Flate Plate	85.50 - 85.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L27	25	7" x 1-1/4" Flate Plate	85.50 - 85.75	1.0000	1.0000
L27	30	7" x 1-1/4" Flate Plate	85.50 - 85.75	1.0000	1.0000
L27	37	4.5" x 1" Flate Plate	85.50 - 85.75	1.0000	1.0000
L27	38	4.5" x 1" Flate Plate	85.50 - 85.75	1.0000	1.0000
L27	39	4.5" x 1" Flate Plate	85.50 - 85.75	1.0000	1.0000
L28	20	7" x 1-1/4" Flate Plate	80.50 - 85.50	1.0000	1.0000
L28	25	7" x 1-1/4" Flate Plate	80.50 - 85.50	1.0000	1.0000
L28	30	7" x 1-1/4" Flate Plate	80.50 - 85.50	1.0000	1.0000
L28	37	4.5" x 1" Flate Plate	80.50 - 85.50	1.0000	1.0000
L28	38	4.5" x 1" Flate Plate	80.50 - 85.50	1.0000	1.0000
L28	39	4.5" x 1" Flate Plate	80.50 - 85.50	1.0000	1.0000
L29	20	7" x 1-1/4" Flate Plate	75.50 - 80.50	1.0000	1.0000
L29	25	7" x 1-1/4" Flate Plate	75.50 - 80.50	1.0000	1.0000
L29	30	7" x 1-1/4" Flate Plate	75.50 - 80.50	1.0000	1.0000
L29	37	4.5" x 1" Flate Plate	75.50 - 80.50	1.0000	1.0000
L29	38	4.5" x 1" Flate Plate	75.50 - 80.50	1.0000	1.0000
L29	39	4.5" x 1" Flate Plate	75.50 - 80.50	1.0000	1.0000
L30	20	7" x 1-1/4" Flate Plate	70.50 - 75.50	1.0000	1.0000
L30	25	7" x 1-1/4" Flate Plate	70.50 - 75.50	1.0000	1.0000
L30	30	7" x 1-1/4" Flate Plate	70.50 - 75.50	1.0000	1.0000
L30	33	6" x 1" Flate Plate	70.50 - 70.58	1.0000	1.0000
L30	34	6" x 1" Flate Plate	70.50 - 70.58	1.0000	1.0000
L30	35	6" x 1" Flate Plate	70.50 - 70.58	1.0000	1.0000
L30	37	4.5" x 1" Flate Plate	70.58 - 75.50	1.0000	1.0000
L30	38	4.5" x 1" Flate Plate	70.58 - 75.50	1.0000	1.0000
L30	39	4.5" x 1" Flate Plate	70.58 - 75.50	1.0000	1.0000
L31	20	7" x 1-1/4" Flate Plate	68.08 - 70.50	1.0000	1.0000
L31	25	7" x 1-1/4" Flate Plate	68.08 - 70.50	1.0000	1.0000
L31	30	7" x 1-1/4" Flate Plate	68.08 - 70.50	1.0000	1.0000
L31	33	6" x 1" Flate Plate	68.08 - 70.50	1.0000	1.0000
L31	34	6" x 1" Flate Plate	68.08 - 70.50	1.0000	1.0000
L31	35	6" x 1" Flate Plate	68.08 - 70.50	1.0000	1.0000
L32	20	7" x 1-1/4" Flate Plate	67.83 - 68.08	1.0000	1.0000
L32	25	7" x 1-1/4" Flate Plate	67.83 - 68.08	1.0000	1.0000
L32	30	7" x 1-1/4" Flate Plate	67.83 - 68.08	1.0000	1.0000
L32	33	6" x 1" Flate Plate	67.83 - 68.08	1.0000	1.0000
L32	34	6" x 1" Flate Plate	67.83 - 68.08	1.0000	1.0000
L32	35	6" x 1" Flate Plate	67.83 - 68.08	1.0000	1.0000
L33	20	7" x 1-1/4" Flate Plate	67.00 - 67.83	1.0000	1.0000
L33	25	7" x 1-1/4" Flate Plate	67.00 - 67.83	1.0000	1.0000
L33	30	7" x 1-1/4" Flate Plate	67.00 - 67.83	1.0000	1.0000
L33	33	6" x 1" Flate Plate	67.00 - 67.83	1.0000	1.0000
L33	34	6" x 1" Flate Plate	67.00 - 67.83	1.0000	1.0000
L33	35	6" x 1" Flate Plate	67.00 - 67.83	1.0000	1.0000
L34	20	7" x 1-1/4" Flate Plate	66.75 - 67.00	1.0000	1.0000
L34	25	7" x 1-1/4" Flate Plate	66.75 - 67.00	1.0000	1.0000
L34	30	7" x 1-1/4" Flate Plate	66.75 - 67.00	1.0000	1.0000
L34	33	6" x 1" Flate Plate	66.75 - 67.00	1.0000	1.0000
L34	34	6" x 1" Flate Plate	66.75 - 67.00	1.0000	1.0000
L34	35	6" x 1" Flate Plate	66.75 - 67.00	1.0000	1.0000
L35	20	7" x 1-1/4" Flate Plate	63.25 - 66.75	1.0000	1.0000
L35	25	7" x 1-1/4" Flate Plate	63.25 - 66.75	1.0000	1.0000
L35	30	7" x 1-1/4" Flate Plate	63.25 - 66.75	1.0000	1.0000
L35	33	6" x 1" Flate Plate	63.25 - 66.75	1.0000	1.0000
L35	34	6" x 1" Flate Plate	63.25 - 66.75	1.0000	1.0000
L35	35	6" x 1" Flate Plate	63.25 - 66.75	1.0000	1.0000
L36	20	7" x 1-1/4" Flate Plate	63.00 - 63.25	1.0000	1.0000
L36	25	7" x 1-1/4" Flate Plate	63.00 - 63.25	1.0000	1.0000
L36	30	7" x 1-1/4" Flate Plate	63.00 - 63.25	1.0000	1.0000
L36	33	6" x 1" Flate Plate	63.00 - 63.25	1.0000	1.0000
L36	34	6" x 1" Flate Plate	63.00 - 63.25	1.0000	1.0000
L36	35	6" x 1" Flate Plate	63.00 - 63.25	1.0000	1.0000
L37	20	7" x 1-1/4" Flate Plate	59.50 - 63.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L37	25	7" x 1-1/4" Flate Plate	59.50 - 63.00	1.0000	1.0000
L37	30	7" x 1-1/4" Flate Plate	59.50 - 63.00	1.0000	1.0000
L37	33	6" x 1" Flate Plate	59.50 - 63.00	1.0000	1.0000
L37	34	6" x 1" Flate Plate	59.50 - 63.00	1.0000	1.0000
L37	35	6" x 1" Flate Plate	59.50 - 63.00	1.0000	1.0000
L38	19	8" x 1-1/4" Flate Plate	59.25 - 59.50	1.0000	1.0000
L38	24	8" x 1-1/4" Flate Plate	59.25 - 59.50	1.0000	1.0000
L38	29	8" x 1-1/4" Flate Plate	59.25 - 59.50	1.0000	1.0000
L38	33	6" x 1" Flate Plate	59.25 - 59.50	1.0000	1.0000
L38	34	6" x 1" Flate Plate	59.25 - 59.50	1.0000	1.0000
L38	35	6" x 1" Flate Plate	59.25 - 59.50	1.0000	1.0000
L39	19	8" x 1-1/4" Flate Plate	56.25 - 59.25	1.0000	1.0000
L39	24	8" x 1-1/4" Flate Plate	56.25 - 59.25	1.0000	1.0000
L39	29	8" x 1-1/4" Flate Plate	56.25 - 59.25	1.0000	1.0000
L39	33	6" x 1" Flate Plate	56.25 - 59.25	1.0000	1.0000
L39	34	6" x 1" Flate Plate	56.25 - 59.25	1.0000	1.0000
L39	35	6" x 1" Flate Plate	56.25 - 59.25	1.0000	1.0000
L40	19	8" x 1-1/4" Flate Plate	56.00 - 56.25	1.0000	1.0000
L40	24	8" x 1-1/4" Flate Plate	56.00 - 56.25	1.0000	1.0000
L40	29	8" x 1-1/4" Flate Plate	56.00 - 56.25	1.0000	1.0000
L40	33	6" x 1" Flate Plate	56.00 - 56.25	1.0000	1.0000
L40	34	6" x 1" Flate Plate	56.00 - 56.25	1.0000	1.0000
L40	35	6" x 1" Flate Plate	56.00 - 56.25	1.0000	1.0000
L41	19	8" x 1-1/4" Flate Plate	55.75 - 56.00	1.0000	1.0000
L41	24	8" x 1-1/4" Flate Plate	55.75 - 56.00	1.0000	1.0000
L41	29	8" x 1-1/4" Flate Plate	55.75 - 56.00	1.0000	1.0000
L41	33	6" x 1" Flate Plate	55.75 - 56.00	1.0000	1.0000
L41	34	6" x 1" Flate Plate	55.75 - 56.00	1.0000	1.0000
L41	35	6" x 1" Flate Plate	55.75 - 56.00	1.0000	1.0000
L42	19	8" x 1-1/4" Flate Plate	50.75 - 55.75	1.0000	1.0000
L42	24	8" x 1-1/4" Flate Plate	50.75 - 55.75	1.0000	1.0000
L42	29	8" x 1-1/4" Flate Plate	50.75 - 55.75	1.0000	1.0000
L42	33	6" x 1" Flate Plate	50.75 - 55.75	1.0000	1.0000
L42	34	6" x 1" Flate Plate	50.75 - 55.75	1.0000	1.0000
L42	35	6" x 1" Flate Plate	50.75 - 55.75	1.0000	1.0000
L43	19	8" x 1-1/4" Flate Plate	44.67 - 50.75	1.0000	1.0000
L43	24	8" x 1-1/4" Flate Plate	44.67 - 50.75	1.0000	1.0000
L43	29	8" x 1-1/4" Flate Plate	44.67 - 50.75	1.0000	1.0000
L43	33	6" x 1" Flate Plate	44.67 - 50.75	1.0000	1.0000
L43	34	6" x 1" Flate Plate	44.67 - 50.75	1.0000	1.0000
L43	35	6" x 1" Flate Plate	44.67 - 50.75	1.0000	1.0000
L44	19	8" x 1-1/4" Flate Plate	43.67 - 44.67	1.0000	1.0000
L44	24	8" x 1-1/4" Flate Plate	43.67 - 44.67	1.0000	1.0000
L44	29	8" x 1-1/4" Flate Plate	43.67 - 44.67	1.0000	1.0000
L44	33	6" x 1" Flate Plate	43.67 - 44.67	1.0000	1.0000
L44	34	6" x 1" Flate Plate	43.67 - 44.67	1.0000	1.0000
L44	35	6" x 1" Flate Plate	43.67 - 44.67	1.0000	1.0000
L45	19	8" x 1-1/4" Flate Plate	38.67 - 43.67	1.0000	1.0000
L45	24	8" x 1-1/4" Flate Plate	38.67 - 43.67	1.0000	1.0000
L45	29	8" x 1-1/4" Flate Plate	38.67 - 43.67	1.0000	1.0000
L45	33	6" x 1" Flate Plate	38.67 - 43.67	1.0000	1.0000
L45	34	6" x 1" Flate Plate	38.67 - 43.67	1.0000	1.0000
L45	35	6" x 1" Flate Plate	38.67 - 43.67	1.0000	1.0000
L46	19	8" x 1-1/4" Flate Plate	34.50 - 38.67	1.0000	1.0000
L46	24	8" x 1-1/4" Flate Plate	34.50 - 38.67	1.0000	1.0000
L46	29	8" x 1-1/4" Flate Plate	34.50 - 38.67	1.0000	1.0000
L46	33	6" x 1" Flate Plate	34.50 - 38.67	1.0000	1.0000
L46	34	6" x 1" Flate Plate	34.50 - 38.67	1.0000	1.0000
L46	35	6" x 1" Flate Plate	34.50 - 38.67	1.0000	1.0000
L47	19	8" x 1-1/4" Flate Plate	34.25 - 34.50	1.0000	1.0000
L47	24	8" x 1-1/4" Flate Plate	34.25 - 34.50	1.0000	1.0000
L47	29	8" x 1-1/4" Flate Plate	34.25 - 34.50	1.0000	1.0000
L47	33	6" x 1" Flate Plate	34.25 - 34.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L47	34	6" x 1" Flate Plate	34.25 - 34.50	1.0000	1.0000
L47	35	6" x 1" Flate Plate	34.25 - 34.50	1.0000	1.0000
L48	19	8" x 1-1/4" Flate Plate	33.00 - 34.25	1.0000	1.0000
L48	24	8" x 1-1/4" Flate Plate	33.00 - 34.25	1.0000	1.0000
L48	29	8" x 1-1/4" Flate Plate	33.00 - 34.25	1.0000	1.0000
L48	33	6" x 1" Flate Plate	33.00 - 34.25	1.0000	1.0000
L48	34	6" x 1" Flate Plate	33.00 - 34.25	1.0000	1.0000
L48	35	6" x 1" Flate Plate	33.00 - 34.25	1.0000	1.0000
L49	19	8" x 1-1/4" Flate Plate	32.75 - 33.00	1.0000	1.0000
L49	24	8" x 1-1/4" Flate Plate	32.75 - 33.00	1.0000	1.0000
L49	29	8" x 1-1/4" Flate Plate	32.75 - 33.00	1.0000	1.0000
L49	33	6" x 1" Flate Plate	32.75 - 33.00	1.0000	1.0000
L49	34	6" x 1" Flate Plate	32.75 - 33.00	1.0000	1.0000
L49	35	6" x 1" Flate Plate	32.75 - 33.00	1.0000	1.0000
L50	19	8" x 1-1/4" Flate Plate	29.75 - 32.75	1.0000	1.0000
L50	24	8" x 1-1/4" Flate Plate	29.75 - 32.75	1.0000	1.0000
L50	29	8" x 1-1/4" Flate Plate	29.75 - 32.75	1.0000	1.0000
L50	33	6" x 1" Flate Plate	29.75 - 32.75	1.0000	1.0000
L50	34	6" x 1" Flate Plate	29.75 - 32.75	1.0000	1.0000
L50	35	6" x 1" Flate Plate	29.75 - 32.75	1.0000	1.0000
L51	18	9" x 1-1/4" Flate Plate	29.50 - 29.75	1.0000	1.0000
L51	23	9" x 1-1/4" Flate Plate	29.50 - 29.75	1.0000	1.0000
L51	28	9" x 1-1/4" Flate Plate	29.50 - 29.75	1.0000	1.0000
L51	33	6" x 1" Flate Plate	29.50 - 29.75	1.0000	1.0000
L51	34	6" x 1" Flate Plate	29.50 - 29.75	1.0000	1.0000
L51	35	6" x 1" Flate Plate	29.50 - 29.75	1.0000	1.0000
L52	18	9" x 1-1/4" Flate Plate	25.00 - 29.50	1.0000	1.0000
L52	23	9" x 1-1/4" Flate Plate	25.00 - 29.50	1.0000	1.0000
L52	28	9" x 1-1/4" Flate Plate	25.00 - 29.50	1.0000	1.0000
L52	33	6" x 1" Flate Plate	25.00 - 29.50	1.0000	1.0000
L52	34	6" x 1" Flate Plate	25.00 - 29.50	1.0000	1.0000
L52	35	6" x 1" Flate Plate	25.00 - 29.50	1.0000	1.0000
L53	18	9" x 1-1/4" Flate Plate	24.75 - 25.00	1.0000	1.0000
L53	23	9" x 1-1/4" Flate Plate	24.75 - 25.00	1.0000	1.0000
L53	28	9" x 1-1/4" Flate Plate	24.75 - 25.00	1.0000	1.0000
L53	33	6" x 1" Flate Plate	24.75 - 25.00	1.0000	1.0000
L53	34	6" x 1" Flate Plate	24.75 - 25.00	1.0000	1.0000
L53	35	6" x 1" Flate Plate	24.75 - 25.00	1.0000	1.0000
L54	18	9" x 1-1/4" Flate Plate	19.75 - 24.75	1.0000	1.0000
L54	23	9" x 1-1/4" Flate Plate	19.75 - 24.75	1.0000	1.0000
L54	28	9" x 1-1/4" Flate Plate	19.75 - 24.75	1.0000	1.0000
L54	33	6" x 1" Flate Plate	19.75 - 24.75	1.0000	1.0000
L54	34	6" x 1" Flate Plate	19.75 - 24.75	1.0000	1.0000
L54	35	6" x 1" Flate Plate	19.75 - 24.75	1.0000	1.0000
L55	18	9" x 1-1/4" Flate Plate	14.75 - 19.75	1.0000	1.0000
L55	23	9" x 1-1/4" Flate Plate	14.75 - 19.75	1.0000	1.0000
L55	28	9" x 1-1/4" Flate Plate	14.75 - 19.75	1.0000	1.0000
L55	33	6" x 1" Flate Plate	14.75 - 19.75	1.0000	1.0000
L55	34	6" x 1" Flate Plate	14.75 - 19.75	1.0000	1.0000
L55	35	6" x 1" Flate Plate	14.75 - 19.75	1.0000	1.0000
L55	43	Transition Stiffener	14.75 - 16.00	1.0000	1.0000
L56	18	9" x 1-1/4" Flate Plate	14.50 - 14.75	1.0000	1.0000
L56	23	9" x 1-1/4" Flate Plate	14.50 - 14.75	1.0000	1.0000
L56	28	9" x 1-1/4" Flate Plate	14.50 - 14.75	1.0000	1.0000
L56	33	6" x 1" Flate Plate	14.50 - 14.75	1.0000	1.0000
L56	34	6" x 1" Flate Plate	14.50 - 14.75	1.0000	1.0000
L56	35	6" x 1" Flate Plate	14.50 - 14.75	1.0000	1.0000
L56	43	Transition Stiffener	14.50 - 14.75	1.0000	1.0000
L57	18	9" x 1-1/4" Flate Plate	14.25 - 14.50	1.0000	1.0000
L57	23	9" x 1-1/4" Flate Plate	14.25 - 14.50	1.0000	1.0000
L57	28	9" x 1-1/4" Flate Plate	14.25 - 14.50	1.0000	1.0000
L57	33	6" x 1" Flate Plate	14.25 - 14.50	1.0000	1.0000
L57	34	6" x 1" Flate Plate	14.25 - 14.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L57	35	6" x 1" Flate Plate	14.25 - 14.50	1.0000	1.0000
L57	43	Transition Stiffener	14.25 - 14.50	1.0000	1.0000
L58	18	9" x 1-1/4" Flate Plate	12.25 - 14.25	1.0000	1.0000
L58	23	9" x 1-1/4" Flate Plate	12.25 - 14.25	1.0000	1.0000
L58	28	9" x 1-1/4" Flate Plate	12.25 - 14.25	1.0000	1.0000
L58	33	6" x 1" Flate Plate	12.25 - 14.25	1.0000	1.0000
L58	34	6" x 1" Flate Plate	12.25 - 14.25	1.0000	1.0000
L58	35	6" x 1" Flate Plate	12.25 - 14.25	1.0000	1.0000
L58	42	Transition Stiffener	12.25 - 13.00	1.0000	1.0000
L58	43	Transition Stiffener	12.25 - 14.25	1.0000	1.0000
L59	18	9" x 1-1/4" Flate Plate	12.00 - 12.25	1.0000	1.0000
L59	23	9" x 1-1/4" Flate Plate	12.00 - 12.25	1.0000	1.0000
L59	28	9" x 1-1/4" Flate Plate	12.00 - 12.25	1.0000	1.0000
L59	33	6" x 1" Flate Plate	12.00 - 12.25	1.0000	1.0000
L59	34	6" x 1" Flate Plate	12.00 - 12.25	1.0000	1.0000
L59	35	6" x 1" Flate Plate	12.00 - 12.25	1.0000	1.0000
L59	42	Transition Stiffener	12.00 - 12.25	1.0000	1.0000
L59	43	Transition Stiffener	12.00 - 12.25	1.0000	1.0000
L60	18	9" x 1-1/4" Flate Plate	11.50 - 12.00	1.0000	1.0000
L60	23	9" x 1-1/4" Flate Plate	11.50 - 12.00	1.0000	1.0000
L60	28	9" x 1-1/4" Flate Plate	11.50 - 12.00	1.0000	1.0000
L60	33	6" x 1" Flate Plate	11.50 - 12.00	1.0000	1.0000
L60	34	6" x 1" Flate Plate	11.50 - 12.00	1.0000	1.0000
L60	35	6" x 1" Flate Plate	11.50 - 12.00	1.0000	1.0000
L60	42	Transition Stiffener	11.50 - 12.00	1.0000	1.0000
L60	43	Transition Stiffener	11.50 - 12.00	1.0000	1.0000
L61	18	9" x 1-1/4" Flate Plate	11.25 - 11.50	1.0000	1.0000
L61	23	9" x 1-1/4" Flate Plate	11.25 - 11.50	1.0000	1.0000
L61	28	9" x 1-1/4" Flate Plate	11.25 - 11.50	1.0000	1.0000
L61	33	6" x 1" Flate Plate	11.25 - 11.50	1.0000	1.0000
L61	34	6" x 1" Flate Plate	11.25 - 11.50	1.0000	1.0000
L61	35	6" x 1" Flate Plate	11.25 - 11.50	1.0000	1.0000
L61	42	Transition Stiffener	11.25 - 11.50	1.0000	1.0000
L61	43	Transition Stiffener	11.25 - 11.50	1.0000	1.0000
L62	18	9" x 1-1/4" Flate Plate	9.25 - 11.25	1.0000	1.0000
L62	23	9" x 1-1/4" Flate Plate	9.25 - 11.25	1.0000	1.0000
L62	28	9" x 1-1/4" Flate Plate	9.25 - 11.25	1.0000	1.0000
L62	33	6" x 1" Flate Plate	9.25 - 11.25	1.0000	1.0000
L62	34	6" x 1" Flate Plate	9.25 - 11.25	1.0000	1.0000
L62	35	6" x 1" Flate Plate	9.25 - 11.25	1.0000	1.0000
L62	42	Transition Stiffener	9.25 - 11.25	1.0000	1.0000
L62	43	Transition Stiffener	9.25 - 11.25	1.0000	1.0000
L63	18	9" x 1-1/4" Flate Plate	9.00 - 9.25	1.0000	1.0000
L63	23	9" x 1-1/4" Flate Plate	9.00 - 9.25	1.0000	1.0000
L63	28	9" x 1-1/4" Flate Plate	9.00 - 9.25	1.0000	1.0000
L63	33	6" x 1" Flate Plate	9.00 - 9.25	1.0000	1.0000
L63	34	6" x 1" Flate Plate	9.00 - 9.25	1.0000	1.0000
L63	35	6" x 1" Flate Plate	9.00 - 9.25	1.0000	1.0000
L63	42	Transition Stiffener	9.00 - 9.25	1.0000	1.0000
L63	43	Transition Stiffener	9.00 - 9.25	1.0000	1.0000
L64	18	9" x 1-1/4" Flate Plate	4.50 - 9.00	1.0000	1.0000
L64	23	9" x 1-1/4" Flate Plate	4.50 - 9.00	1.0000	1.0000
L64	28	9" x 1-1/4" Flate Plate	4.50 - 9.00	1.0000	1.0000
L64	33	6" x 1" Flate Plate	4.50 - 9.00	1.0000	1.0000
L64	34	6" x 1" Flate Plate	4.50 - 9.00	1.0000	1.0000
L64	35	6" x 1" Flate Plate	4.50 - 9.00	1.0000	1.0000
L64	41	Transition Stiffener	4.50 - 6.00	1.0000	1.0000
L64	42	Transition Stiffener	4.50 - 9.00	1.0000	1.0000
L64	43	Transition Stiffener	4.50 - 9.00	1.0000	1.0000
L65	18	9" x 1-1/4" Flate Plate	4.25 - 4.50	1.0000	1.0000
L65	23	9" x 1-1/4" Flate Plate	4.25 - 4.50	1.0000	1.0000
L65	28	9" x 1-1/4" Flate Plate	4.25 - 4.50	1.0000	1.0000
L65	33	6" x 1" Flate Plate	4.25 - 4.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L65	34	6" x 1" Flate Plate	4.25 - 4.50	1.0000	1.0000
L65	35	6" x 1" Flate Plate	4.25 - 4.50	1.0000	1.0000
L65	41	Transition Stiffener	4.25 - 4.50	1.0000	1.0000
L65	42	Transition Stiffener	4.25 - 4.50	1.0000	1.0000
L65	43	Transition Stiffener	4.25 - 4.50	1.0000	1.0000
L66	18	9" x 1-1/4" Flate Plate	3.00 - 4.25	1.0000	1.0000
L66	23	9" x 1-1/4" Flate Plate	3.00 - 4.25	1.0000	1.0000
L66	28	9" x 1-1/4" Flate Plate	3.00 - 4.25	1.0000	1.0000
L66	33	6" x 1" Flate Plate	3.00 - 4.25	1.0000	1.0000
L66	34	6" x 1" Flate Plate	3.00 - 4.25	1.0000	1.0000
L66	35	6" x 1" Flate Plate	3.00 - 4.25	1.0000	1.0000
L66	41	Transition Stiffener	3.00 - 4.25	1.0000	1.0000
L66	42	Transition Stiffener	3.00 - 4.25	1.0000	1.0000
L66	43	Transition Stiffener	3.00 - 4.25	1.0000	1.0000
L67	18	9" x 1-1/4" Flate Plate	2.75 - 3.00	1.0000	1.0000
L67	23	9" x 1-1/4" Flate Plate	2.75 - 3.00	1.0000	1.0000
L67	28	9" x 1-1/4" Flate Plate	2.75 - 3.00	1.0000	1.0000
L67	33	6" x 1" Flate Plate	2.75 - 3.00	1.0000	1.0000
L67	34	6" x 1" Flate Plate	2.75 - 3.00	1.0000	1.0000
L67	35	6" x 1" Flate Plate	2.75 - 3.00	1.0000	1.0000
L67	41	Transition Stiffener	2.75 - 3.00	1.0000	1.0000
L67	42	Transition Stiffener	2.75 - 3.00	1.0000	1.0000
L67	43	Transition Stiffener	2.75 - 3.00	1.0000	1.0000
L68	18	9" x 1-1/4" Flate Plate	0.00 - 2.75	1.0000	1.0000
L68	23	9" x 1-1/4" Flate Plate	0.00 - 2.75	1.0000	1.0000
L68	28	9" x 1-1/4" Flate Plate	0.00 - 2.75	1.0000	1.0000
L68	33	6" x 1" Flate Plate	0.00 - 2.75	1.0000	1.0000
L68	34	6" x 1" Flate Plate	0.00 - 2.75	1.0000	1.0000
L68	35	6" x 1" Flate Plate	0.00 - 2.75	1.0000	1.0000
L68	41	Transition Stiffener	0.00 - 2.75	1.0000	1.0000
L68	42	Transition Stiffener	0.00 - 2.75	1.0000	1.0000
L68	43	Transition Stiffener	0.00 - 2.75	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L4	37	4.5" x 1" Flate Plate	133.00 - 135.00	Auto	0.0000
L4	38	4.5" x 1" Flate Plate	133.00 - 135.00	Auto	0.0000
L4	39	4.5" x 1" Flate Plate	133.00 - 135.00	Auto	0.0000
L5	37	4.5" x 1" Flate Plate	132.75 - 133.00	Auto	0.1239
L5	38	4.5" x 1" Flate Plate	132.75 - 133.00	Auto	0.1239
L5	39	4.5" x 1" Flate Plate	132.75 - 133.00	Auto	0.1239
L6	37	4.5" x 1" Flate Plate	127.75 - 132.75	Auto	0.0872
L6	38	4.5" x 1" Flate Plate	127.75 - 132.75	Auto	0.0872
L6	39	4.5" x 1" Flate Plate	127.75 -	Auto	0.0872

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
			132.75		
L7	21	5" x 1-1/4" Flate Plate	123.75 - 125.00	Auto	0.1127
L7	26	5" x 1-1/4" Flate Plate	123.75 - 125.00	Auto	0.1127
L7	31	5" x 1-1/4" Flate Plate	123.75 - 125.00	Auto	0.1127
L7	37	4.5" x 1" Flate Plate	123.75 - 127.75	Auto	0.0295
L7	38	4.5" x 1" Flate Plate	123.75 - 127.75	Auto	0.0295
L7	39	4.5" x 1" Flate Plate	123.75 - 127.75	Auto	0.0295
L8	21	5" x 1-1/4" Flate Plate	123.50 - 123.75	Auto	0.1052
L8	26	5" x 1-1/4" Flate Plate	123.50 - 123.75	Auto	0.1052
L8	31	5" x 1-1/4" Flate Plate	123.50 - 123.75	Auto	0.1052
L8	37	4.5" x 1" Flate Plate	123.50 - 123.75	Auto	0.0057
L8	38	4.5" x 1" Flate Plate	123.50 - 123.75	Auto	0.0057
L8	39	4.5" x 1" Flate Plate	123.50 - 123.75	Auto	0.0057
L9	21	5" x 1-1/4" Flate Plate	118.75 - 123.50	Auto	0.2609
L9	26	5" x 1-1/4" Flate Plate	118.75 - 123.50	Auto	0.2609
L9	31	5" x 1-1/4" Flate Plate	118.75 - 123.50	Auto	0.2609
L9	37	4.5" x 1" Flate Plate	118.75 - 123.50	Auto	0.1788
L9	38	4.5" x 1" Flate Plate	118.75 - 123.50	Auto	0.1788
L9	39	4.5" x 1" Flate Plate	118.75 - 123.50	Auto	0.1788
L10	21	5" x 1-1/4" Flate Plate	118.50 - 118.75	Auto	0.3832
L10	26	5" x 1-1/4" Flate Plate	118.50 - 118.75	Auto	0.3832
L10	31	5" x 1-1/4" Flate Plate	118.50 - 118.75	Auto	0.3832
L10	37	4.5" x 1" Flate Plate	118.50 - 118.75	Auto	0.3147
L10	38	4.5" x 1" Flate Plate	118.50 - 118.75	Auto	0.3147
L10	39	4.5" x 1" Flate Plate	118.50 - 118.75	Auto	0.3147
L11	21	5" x 1-1/4" Flate Plate	117.00 - 118.50	Auto	0.3610
L11	26	5" x 1-1/4" Flate Plate	117.00 - 118.50	Auto	0.3610
L11	31	5" x 1-1/4" Flate Plate	117.00 - 118.50	Auto	0.3610
L11	37	4.5" x 1" Flate Plate	117.00 - 118.50	Auto	0.2900
L11	38	4.5" x 1" Flate Plate	117.00 - 118.50	Auto	0.2900
L11	39	4.5" x 1" Flate Plate	117.00 - 118.50	Auto	0.2900
L12	21	5" x 1-1/4" Flate Plate	116.75 -	Auto	0.2115

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
			117.00		
L12	26	5" x 1-1/4" Flate Plate	116.75 - 117.00	Auto	0.2115
L12	31	5" x 1-1/4" Flate Plate	116.75 - 117.00	Auto	0.2115
L12	37	4.5" x 1" Flate Plate	116.75 - 117.00	Auto	0.1239
L12	38	4.5" x 1" Flate Plate	116.75 - 117.00	Auto	0.1239
L12	39	4.5" x 1" Flate Plate	116.75 - 117.00	Auto	0.1239
L13	21	5" x 1-1/4" Flate Plate	111.75 - 116.75	Auto	0.1651
L13	26	5" x 1-1/4" Flate Plate	111.75 - 116.75	Auto	0.1651
L13	31	5" x 1-1/4" Flate Plate	111.75 - 116.75	Auto	0.1651
L13	37	4.5" x 1" Flate Plate	111.75 - 116.75	Auto	0.0723
L13	38	4.5" x 1" Flate Plate	111.75 - 116.75	Auto	0.0723
L13	39	4.5" x 1" Flate Plate	111.75 - 116.75	Auto	0.0723
L14	21	5" x 1-1/4" Flate Plate	106.75 - 111.75	Auto	0.1014
L14	26	5" x 1-1/4" Flate Plate	106.75 - 111.75	Auto	0.1014
L14	31	5" x 1-1/4" Flate Plate	106.75 - 111.75	Auto	0.1014
L14	37	4.5" x 1" Flate Plate	106.75 - 111.75	Auto	0.0078
L14	38	4.5" x 1" Flate Plate	106.75 - 111.75	Auto	0.0078
L14	39	4.5" x 1" Flate Plate	106.75 - 111.75	Auto	0.0078
L15	21	5" x 1-1/4" Flate Plate	101.75 - 106.75	Auto	0.0378
L15	26	5" x 1-1/4" Flate Plate	101.75 - 106.75	Auto	0.0378
L15	31	5" x 1-1/4" Flate Plate	101.75 - 106.75	Auto	0.0378
L15	37	4.5" x 1" Flate Plate	101.75 - 106.75	Auto	0.0000
L15	38	4.5" x 1" Flate Plate	101.75 - 106.75	Auto	0.0000
L15	39	4.5" x 1" Flate Plate	101.75 - 106.75	Auto	0.0000
L16	21	5" x 1-1/4" Flate Plate	95.17 - 101.75	Auto	0.0012
L16	26	5" x 1-1/4" Flate Plate	95.17 - 101.75	Auto	0.0012
L16	31	5" x 1-1/4" Flate Plate	95.17 - 101.75	Auto	0.0012
L16	37	4.5" x 1" Flate Plate	95.17 - 101.75	Auto	0.0000
L16	38	4.5" x 1" Flate Plate	95.17 - 101.75	Auto	0.0000
L16	39	4.5" x 1" Flate Plate	95.17 - 101.75	Auto	0.0000
L17	21	5" x 1-1/4" Flate Plate	94.50 - 95.17	Auto	0.0302
L17	26	5" x 1-1/4" Flate Plate	94.50 - 95.17	Auto	0.0302
L17	31	5" x 1-1/4" Flate Plate	94.50 - 95.17	Auto	0.0302
L17	37	4.5" x 1" Flate Plate	94.50 - 95.17	Auto	0.0000
L17	38	4.5" x 1" Flate Plate	94.50 - 95.17	Auto	0.0000
L17	39	4.5" x 1" Flate Plate	94.50 - 95.17	Auto	0.0000
L18	21	5" x 1-1/4" Flate Plate	93.75 - 94.50	Auto	0.0231
L18	26	5" x 1-1/4" Flate Plate	93.75 - 94.50	Auto	0.0231
L18	31	5" x 1-1/4" Flate Plate	93.75 - 94.50	Auto	0.0231

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L18	37	4.5" x 1" Flate Plate	93.75 - 94.50	Auto	0.0000
L18	38	4.5" x 1" Flate Plate	93.75 - 94.50	Auto	0.0000
L18	39	4.5" x 1" Flate Plate	93.75 - 94.50	Auto	0.0000
L19	21	5" x 1-1/4" Flate Plate	93.50 - 93.75	Auto	0.0851
L19	26	5" x 1-1/4" Flate Plate	93.50 - 93.75	Auto	0.0851
L19	31	5" x 1-1/4" Flate Plate	93.50 - 93.75	Auto	0.0851
L19	37	4.5" x 1" Flate Plate	93.50 - 93.75	Auto	0.0000
L19	38	4.5" x 1" Flate Plate	93.50 - 93.75	Auto	0.0000
L19	39	4.5" x 1" Flate Plate	93.50 - 93.75	Auto	0.0000
L20	21	5" x 1-1/4" Flate Plate	92.75 - 93.50	Auto	0.0800
L20	26	5" x 1-1/4" Flate Plate	92.75 - 93.50	Auto	0.0800
L20	31	5" x 1-1/4" Flate Plate	92.75 - 93.50	Auto	0.0800
L20	37	4.5" x 1" Flate Plate	92.75 - 93.50	Auto	0.0000
L20	38	4.5" x 1" Flate Plate	92.75 - 93.50	Auto	0.0000
L20	39	4.5" x 1" Flate Plate	92.75 - 93.50	Auto	0.0000
L21	21	5" x 1-1/4" Flate Plate	92.50 - 92.75	Auto	0.1956
L21	26	5" x 1-1/4" Flate Plate	92.50 - 92.75	Auto	0.1956
L21	31	5" x 1-1/4" Flate Plate	92.50 - 92.75	Auto	0.1956
L21	37	4.5" x 1" Flate Plate	92.50 - 92.75	Auto	0.1062
L21	38	4.5" x 1" Flate Plate	92.50 - 92.75	Auto	0.1062
L21	39	4.5" x 1" Flate Plate	92.50 - 92.75	Auto	0.1062
L22	21	5" x 1-1/4" Flate Plate	91.25 - 92.50	Auto	0.1747
L22	26	5" x 1-1/4" Flate Plate	91.25 - 92.50	Auto	0.1747
L22	31	5" x 1-1/4" Flate Plate	91.25 - 92.50	Auto	0.1747
L22	37	4.5" x 1" Flate Plate	91.25 - 92.50	Auto	0.0830
L22	38	4.5" x 1" Flate Plate	91.25 - 92.50	Auto	0.0830
L22	39	4.5" x 1" Flate Plate	91.25 - 92.50	Auto	0.0830
L23	21	5" x 1-1/4" Flate Plate	91.00 - 91.25	Auto	0.1671
L23	26	5" x 1-1/4" Flate Plate	91.00 - 91.25	Auto	0.1671
L23	31	5" x 1-1/4" Flate Plate	91.00 - 91.25	Auto	0.1671
L23	37	4.5" x 1" Flate Plate	91.00 - 91.25	Auto	0.0746
L23	38	4.5" x 1" Flate Plate	91.00 - 91.25	Auto	0.0746
L23	39	4.5" x 1" Flate Plate	91.00 - 91.25	Auto	0.0746
L24	21	5" x 1-1/4" Flate Plate	89.25 - 91.00	Auto	0.1571
L24	26	5" x 1-1/4" Flate Plate	89.25 - 91.00	Auto	0.1571
L24	31	5" x 1-1/4" Flate Plate	89.25 - 91.00	Auto	0.1571
L24	37	4.5" x 1" Flate Plate	89.25 - 91.00	Auto	0.0634
L24	38	4.5" x 1" Flate Plate	89.25 - 91.00	Auto	0.0634
L24	39	4.5" x 1" Flate Plate	89.25 - 91.00	Auto	0.0634
L25	20	7" x 1-1/4" Flate Plate	89.00 - 89.25	Auto	0.4290
L25	25	7" x 1-1/4" Flate Plate	89.00 - 89.25	Auto	0.4290
L25	30	7" x 1-1/4" Flate Plate	89.00 - 89.25	Auto	0.4290
L25	37	4.5" x 1" Flate Plate	89.00 - 89.25	Auto	0.1118
L25	38	4.5" x 1" Flate Plate	89.00 - 89.25	Auto	0.1118
L25	39	4.5" x 1" Flate Plate	89.00 - 89.25	Auto	0.1118
L26	20	7" x 1-1/4" Flate Plate	85.75 - 89.00	Auto	0.4069
L26	25	7" x 1-1/4" Flate Plate	85.75 - 89.00	Auto	0.4069
L26	30	7" x 1-1/4" Flate Plate	85.75 - 89.00	Auto	0.4069
L26	37	4.5" x 1" Flate Plate	85.75 - 89.00	Auto	0.0773
L26	38	4.5" x 1" Flate Plate	85.75 - 89.00	Auto	0.0773
L26	39	4.5" x 1" Flate Plate	85.75 - 89.00	Auto	0.0773
L27	20	7" x 1-1/4" Flate Plate	85.50 - 85.75	Auto	0.2699
L27	25	7" x 1-1/4" Flate Plate	85.50 - 85.75	Auto	0.2699
L27	30	7" x 1-1/4" Flate Plate	85.50 - 85.75	Auto	0.2699
L27	37	4.5" x 1" Flate Plate	85.50 - 85.75	Auto	0.0000
L27	38	4.5" x 1" Flate Plate	85.50 - 85.75	Auto	0.0000
L27	39	4.5" x 1" Flate Plate	85.50 - 85.75	Auto	0.0000
L28	20	7" x 1-1/4" Flate Plate	80.50 - 85.50	Auto	0.2414
L28	25	7" x 1-1/4" Flate Plate	80.50 - 85.50	Auto	0.2414
L28	30	7" x 1-1/4" Flate Plate	80.50 - 85.50	Auto	0.2414
L28	37	4.5" x 1" Flate Plate	80.50 - 85.50	Auto	0.0000
L28	38	4.5" x 1" Flate Plate	80.50 - 85.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L28	39	4.5" x 1" Flate Plate	80.50 - 85.50	Auto	0.0000
L29	20	7" x 1-1/4" Flate Plate	75.50 - 80.50	Auto	0.1959
L29	25	7" x 1-1/4" Flate Plate	75.50 - 80.50	Auto	0.1959
L29	30	7" x 1-1/4" Flate Plate	75.50 - 80.50	Auto	0.1959
L29	37	4.5" x 1" Flate Plate	75.50 - 80.50	Auto	0.0000
L29	38	4.5" x 1" Flate Plate	75.50 - 80.50	Auto	0.0000
L29	39	4.5" x 1" Flate Plate	75.50 - 80.50	Auto	0.0000
L30	20	7" x 1-1/4" Flate Plate	70.50 - 75.50	Auto	0.1505
L30	25	7" x 1-1/4" Flate Plate	70.50 - 75.50	Auto	0.1505
L30	30	7" x 1-1/4" Flate Plate	70.50 - 75.50	Auto	0.1505
L30	33	6" x 1" Flate Plate	70.50 - 70.58	Auto	0.0000
L30	34	6" x 1" Flate Plate	70.50 - 70.58	Auto	0.0000
L30	35	6" x 1" Flate Plate	70.50 - 70.58	Auto	0.0000
L30	37	4.5" x 1" Flate Plate	70.58 - 75.50	Auto	0.0000
L30	38	4.5" x 1" Flate Plate	70.58 - 75.50	Auto	0.0000
L30	39	4.5" x 1" Flate Plate	70.58 - 75.50	Auto	0.0000
L31	20	7" x 1-1/4" Flate Plate	68.08 - 70.50	Auto	0.1238
L31	25	7" x 1-1/4" Flate Plate	68.08 - 70.50	Auto	0.1238
L31	30	7" x 1-1/4" Flate Plate	68.08 - 70.50	Auto	0.1238
L31	33	6" x 1" Flate Plate	68.08 - 70.50	Auto	0.0000
L31	34	6" x 1" Flate Plate	68.08 - 70.50	Auto	0.0000
L31	35	6" x 1" Flate Plate	68.08 - 70.50	Auto	0.0000
L32	20	7" x 1-1/4" Flate Plate	67.83 - 68.08	Auto	0.1334
L32	25	7" x 1-1/4" Flate Plate	67.83 - 68.08	Auto	0.1334
L32	30	7" x 1-1/4" Flate Plate	67.83 - 68.08	Auto	0.1334
L32	33	6" x 1" Flate Plate	67.83 - 68.08	Auto	0.0000
L32	34	6" x 1" Flate Plate	67.83 - 68.08	Auto	0.0000
L32	35	6" x 1" Flate Plate	67.83 - 68.08	Auto	0.0000
L33	20	7" x 1-1/4" Flate Plate	67.00 - 67.83	Auto	0.1295
L33	25	7" x 1-1/4" Flate Plate	67.00 - 67.83	Auto	0.1295
L33	30	7" x 1-1/4" Flate Plate	67.00 - 67.83	Auto	0.1295
L33	33	6" x 1" Flate Plate	67.00 - 67.83	Auto	0.0000
L33	34	6" x 1" Flate Plate	67.00 - 67.83	Auto	0.0000
L33	35	6" x 1" Flate Plate	67.00 - 67.83	Auto	0.0000
L34	20	7" x 1-1/4" Flate Plate	66.75 - 67.00	Auto	0.2118
L34	25	7" x 1-1/4" Flate Plate	66.75 - 67.00	Auto	0.2118
L34	30	7" x 1-1/4" Flate Plate	66.75 - 67.00	Auto	0.2118
L34	33	6" x 1" Flate Plate	66.75 - 67.00	Auto	0.0804
L34	34	6" x 1" Flate Plate	66.75 - 67.00	Auto	0.0804
L34	35	6" x 1" Flate Plate	66.75 - 67.00	Auto	0.0804
L35	20	7" x 1-1/4" Flate Plate	63.25 - 66.75	Auto	0.1887
L35	25	7" x 1-1/4" Flate Plate	63.25 - 66.75	Auto	0.1887
L35	30	7" x 1-1/4" Flate Plate	63.25 - 66.75	Auto	0.1887
L35	33	6" x 1" Flate Plate	63.25 - 66.75	Auto	0.0535
L35	34	6" x 1" Flate Plate	63.25 - 66.75	Auto	0.0535
L35	35	6" x 1" Flate Plate	63.25 - 66.75	Auto	0.0535
L36	20	7" x 1-1/4" Flate Plate	63.00 - 63.25	Auto	0.2422
L36	25	7" x 1-1/4" Flate Plate	63.00 - 63.25	Auto	0.2422
L36	30	7" x 1-1/4" Flate Plate	63.00 - 63.25	Auto	0.2422
L36	33	6" x 1" Flate Plate	63.00 - 63.25	Auto	0.1160
L36	34	6" x 1" Flate Plate	63.00 - 63.25	Auto	0.1160
L36	35	6" x 1" Flate Plate	63.00 - 63.25	Auto	0.1160
L37	20	7" x 1-1/4" Flate Plate	59.50 - 63.00	Auto	0.2192
L37	25	7" x 1-1/4" Flate Plate	59.50 - 63.00	Auto	0.2192
L37	30	7" x 1-1/4" Flate Plate	59.50 - 63.00	Auto	0.2192
L37	33	6" x 1" Flate Plate	59.50 - 63.00	Auto	0.0891
L37	34	6" x 1" Flate Plate	59.50 - 63.00	Auto	0.0891
L37	35	6" x 1" Flate Plate	59.50 - 63.00	Auto	0.0891
L38	19	8" x 1-1/4" Flate Plate	59.25 - 59.50	Auto	0.3218
L38	24	8" x 1-1/4" Flate Plate	59.25 - 59.50	Auto	0.3218
L38	29	8" x 1-1/4" Flate Plate	59.25 - 59.50	Auto	0.3218
L38	33	6" x 1" Flate Plate	59.25 - 59.50	Auto	0.0957

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L38	34	6" x 1" Flate Plate	59.25 - 59.50	Auto	0.0957
L38	35	6" x 1" Flate Plate	59.25 - 59.50	Auto	0.0957
L39	19	8" x 1-1/4" Flate Plate	56.25 - 59.25	Auto	0.3032
L39	24	8" x 1-1/4" Flate Plate	56.25 - 59.25	Auto	0.3032
L39	29	8" x 1-1/4" Flate Plate	56.25 - 59.25	Auto	0.3032
L39	33	6" x 1" Flate Plate	56.25 - 59.25	Auto	0.0709
L39	34	6" x 1" Flate Plate	56.25 - 59.25	Auto	0.0709
L39	35	6" x 1" Flate Plate	56.25 - 59.25	Auto	0.0709
L40	19	8" x 1-1/4" Flate Plate	56.00 - 56.25	Auto	0.2427
L40	24	8" x 1-1/4" Flate Plate	56.00 - 56.25	Auto	0.2427
L40	29	8" x 1-1/4" Flate Plate	56.00 - 56.25	Auto	0.2427
L40	33	6" x 1" Flate Plate	56.00 - 56.25	Auto	0.0000
L40	34	6" x 1" Flate Plate	56.00 - 56.25	Auto	0.0000
L40	35	6" x 1" Flate Plate	56.00 - 56.25	Auto	0.0000
L41	19	8" x 1-1/4" Flate Plate	55.75 - 56.00	Auto	0.1658
L41	24	8" x 1-1/4" Flate Plate	55.75 - 56.00	Auto	0.1658
L41	29	8" x 1-1/4" Flate Plate	55.75 - 56.00	Auto	0.1658
L41	33	6" x 1" Flate Plate	55.75 - 56.00	Auto	0.0000
L41	34	6" x 1" Flate Plate	55.75 - 56.00	Auto	0.0000
L41	35	6" x 1" Flate Plate	55.75 - 56.00	Auto	0.0000
L42	19	8" x 1-1/4" Flate Plate	50.75 - 55.75	Auto	0.1451
L42	24	8" x 1-1/4" Flate Plate	50.75 - 55.75	Auto	0.1451
L42	29	8" x 1-1/4" Flate Plate	50.75 - 55.75	Auto	0.1451
L42	33	6" x 1" Flate Plate	50.75 - 55.75	Auto	0.0000
L42	34	6" x 1" Flate Plate	50.75 - 55.75	Auto	0.0000
L42	35	6" x 1" Flate Plate	50.75 - 55.75	Auto	0.0000
L43	19	8" x 1-1/4" Flate Plate	44.67 - 50.75	Auto	0.1061
L43	24	8" x 1-1/4" Flate Plate	44.67 - 50.75	Auto	0.1061
L43	29	8" x 1-1/4" Flate Plate	44.67 - 50.75	Auto	0.1061
L43	33	6" x 1" Flate Plate	44.67 - 50.75	Auto	0.0000
L43	34	6" x 1" Flate Plate	44.67 - 50.75	Auto	0.0000
L43	35	6" x 1" Flate Plate	44.67 - 50.75	Auto	0.0000
L44	19	8" x 1-1/4" Flate Plate	43.67 - 44.67	Auto	0.1257
L44	24	8" x 1-1/4" Flate Plate	43.67 - 44.67	Auto	0.1257
L44	29	8" x 1-1/4" Flate Plate	43.67 - 44.67	Auto	0.1257
L44	33	6" x 1" Flate Plate	43.67 - 44.67	Auto	0.0000
L44	34	6" x 1" Flate Plate	43.67 - 44.67	Auto	0.0000
L44	35	6" x 1" Flate Plate	43.67 - 44.67	Auto	0.0000
L45	19	8" x 1-1/4" Flate Plate	38.67 - 43.67	Auto	0.1027
L45	24	8" x 1-1/4" Flate Plate	38.67 - 43.67	Auto	0.1027
L45	29	8" x 1-1/4" Flate Plate	38.67 - 43.67	Auto	0.1027
L45	33	6" x 1" Flate Plate	38.67 - 43.67	Auto	0.0000
L45	34	6" x 1" Flate Plate	38.67 - 43.67	Auto	0.0000
L45	35	6" x 1" Flate Plate	38.67 - 43.67	Auto	0.0000
L46	19	8" x 1-1/4" Flate Plate	34.50 - 38.67	Auto	0.0697
L46	24	8" x 1-1/4" Flate Plate	34.50 - 38.67	Auto	0.0697
L46	29	8" x 1-1/4" Flate Plate	34.50 - 38.67	Auto	0.0697
L46	33	6" x 1" Flate Plate	34.50 - 38.67	Auto	0.0000
L46	34	6" x 1" Flate Plate	34.50 - 38.67	Auto	0.0000
L46	35	6" x 1" Flate Plate	34.50 - 38.67	Auto	0.0000
L47	19	8" x 1-1/4" Flate Plate	34.25 - 34.50	Auto	0.1396
L47	24	8" x 1-1/4" Flate Plate	34.25 - 34.50	Auto	0.1396
L47	29	8" x 1-1/4" Flate Plate	34.25 - 34.50	Auto	0.1396
L47	33	6" x 1" Flate Plate	34.25 - 34.50	Auto	0.0000
L47	34	6" x 1" Flate Plate	34.25 - 34.50	Auto	0.0000
L47	35	6" x 1" Flate Plate	34.25 - 34.50	Auto	0.0000
L48	19	8" x 1-1/4" Flate Plate	33.00 - 34.25	Auto	0.1349
L48	24	8" x 1-1/4" Flate Plate	33.00 - 34.25	Auto	0.1349
L48	29	8" x 1-1/4" Flate Plate	33.00 - 34.25	Auto	0.1349
L48	33	6" x 1" Flate Plate	33.00 - 34.25	Auto	0.0000
L48	34	6" x 1" Flate Plate	33.00 - 34.25	Auto	0.0000
L48	35	6" x 1" Flate Plate	33.00 - 34.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L49	19	8" x 1-1/4" Flate Plate	32.75 - 33.00	Auto	0.1302
L49	24	8" x 1-1/4" Flate Plate	32.75 - 33.00	Auto	0.1302
L49	29	8" x 1-1/4" Flate Plate	32.75 - 33.00	Auto	0.1302
L49	33	6" x 1" Flate Plate	32.75 - 33.00	Auto	0.0000
L49	34	6" x 1" Flate Plate	32.75 - 33.00	Auto	0.0000
L49	35	6" x 1" Flate Plate	32.75 - 33.00	Auto	0.0000
L50	19	8" x 1-1/4" Flate Plate	29.75 - 32.75	Auto	0.1116
L50	24	8" x 1-1/4" Flate Plate	29.75 - 32.75	Auto	0.1116
L50	29	8" x 1-1/4" Flate Plate	29.75 - 32.75	Auto	0.1116
L50	33	6" x 1" Flate Plate	29.75 - 32.75	Auto	0.0000
L50	34	6" x 1" Flate Plate	29.75 - 32.75	Auto	0.0000
L50	35	6" x 1" Flate Plate	29.75 - 32.75	Auto	0.0000
L51	18	9" x 1-1/4" Flate Plate	29.50 - 29.75	Auto	0.2161
L51	23	9" x 1-1/4" Flate Plate	29.50 - 29.75	Auto	0.2161
L51	28	9" x 1-1/4" Flate Plate	29.50 - 29.75	Auto	0.2161
L51	33	6" x 1" Flate Plate	29.50 - 29.75	Auto	0.0000
L51	34	6" x 1" Flate Plate	29.50 - 29.75	Auto	0.0000
L51	35	6" x 1" Flate Plate	29.50 - 29.75	Auto	0.0000
L52	18	9" x 1-1/4" Flate Plate	25.00 - 29.50	Auto	0.1954
L52	23	9" x 1-1/4" Flate Plate	25.00 - 29.50	Auto	0.1954
L52	28	9" x 1-1/4" Flate Plate	25.00 - 29.50	Auto	0.1954
L52	33	6" x 1" Flate Plate	25.00 - 29.50	Auto	0.0000
L52	34	6" x 1" Flate Plate	25.00 - 29.50	Auto	0.0000
L52	35	6" x 1" Flate Plate	25.00 - 29.50	Auto	0.0000
L53	18	9" x 1-1/4" Flate Plate	24.75 - 25.00	Auto	0.1114
L53	23	9" x 1-1/4" Flate Plate	24.75 - 25.00	Auto	0.1114
L53	28	9" x 1-1/4" Flate Plate	24.75 - 25.00	Auto	0.1114
L53	33	6" x 1" Flate Plate	24.75 - 25.00	Auto	0.0000
L53	34	6" x 1" Flate Plate	24.75 - 25.00	Auto	0.0000
L53	35	6" x 1" Flate Plate	24.75 - 25.00	Auto	0.0000
L54	18	9" x 1-1/4" Flate Plate	19.75 - 24.75	Auto	0.0930
L54	23	9" x 1-1/4" Flate Plate	19.75 - 24.75	Auto	0.0930
L54	28	9" x 1-1/4" Flate Plate	19.75 - 24.75	Auto	0.0930
L54	33	6" x 1" Flate Plate	19.75 - 24.75	Auto	0.0000
L54	34	6" x 1" Flate Plate	19.75 - 24.75	Auto	0.0000
L54	35	6" x 1" Flate Plate	19.75 - 24.75	Auto	0.0000
L55	18	9" x 1-1/4" Flate Plate	14.75 - 19.75	Auto	0.0577
L55	23	9" x 1-1/4" Flate Plate	14.75 - 19.75	Auto	0.0577
L55	28	9" x 1-1/4" Flate Plate	14.75 - 19.75	Auto	0.0577
L55	33	6" x 1" Flate Plate	14.75 - 19.75	Auto	0.0000
L55	34	6" x 1" Flate Plate	14.75 - 19.75	Auto	0.0000
L55	35	6" x 1" Flate Plate	14.75 - 19.75	Auto	0.0000
L55	43	Transition Stiffener	14.75 - 16.00	Auto	0.0000
L56	18	9" x 1-1/4" Flate Plate	14.50 - 14.75	Auto	0.0430
L56	23	9" x 1-1/4" Flate Plate	14.50 - 14.75	Auto	0.0430
L56	28	9" x 1-1/4" Flate Plate	14.50 - 14.75	Auto	0.0430
L56	33	6" x 1" Flate Plate	14.50 - 14.75	Auto	0.0000
L56	34	6" x 1" Flate Plate	14.50 - 14.75	Auto	0.0000
L56	35	6" x 1" Flate Plate	14.50 - 14.75	Auto	0.0000
L56	43	Transition Stiffener	14.50 - 14.75	Auto	0.0000
L57	18	9" x 1-1/4" Flate Plate	14.25 - 14.50	Auto	0.0416
L57	23	9" x 1-1/4" Flate Plate	14.25 - 14.50	Auto	0.0416
L57	28	9" x 1-1/4" Flate Plate	14.25 - 14.50	Auto	0.0416
L57	33	6" x 1" Flate Plate	14.25 - 14.50	Auto	0.0000
L57	34	6" x 1" Flate Plate	14.25 - 14.50	Auto	0.0000
L57	35	6" x 1" Flate Plate	14.25 - 14.50	Auto	0.0000
L57	43	Transition Stiffener	14.25 - 14.50	Auto	0.0000
L58	18	9" x 1-1/4" Flate Plate	12.25 - 14.25	Auto	0.0353
L58	23	9" x 1-1/4" Flate Plate	12.25 - 14.25	Auto	0.0353
L58	28	9" x 1-1/4" Flate Plate	12.25 - 14.25	Auto	0.0353
L58	33	6" x 1" Flate Plate	12.25 - 14.25	Auto	0.0000
L58	34	6" x 1" Flate Plate	12.25 - 14.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L58	35	6" x 1" Flate Plate	12.25 - 14.25	Auto	0.0000
L58	42	Transition Stiffener	12.25 - 13.00	Auto	0.0000
L58	43	Transition Stiffener	12.25 - 14.25	Auto	0.0000
L59	18	9" x 1-1/4" Flate Plate	12.00 - 12.25	Auto	0.0179
L59	23	9" x 1-1/4" Flate Plate	12.00 - 12.25	Auto	0.0179
L59	28	9" x 1-1/4" Flate Plate	12.00 - 12.25	Auto	0.0179
L59	33	6" x 1" Flate Plate	12.00 - 12.25	Auto	0.0000
L59	34	6" x 1" Flate Plate	12.00 - 12.25	Auto	0.0000
L59	35	6" x 1" Flate Plate	12.00 - 12.25	Auto	0.0000
L59	42	Transition Stiffener	12.00 - 12.25	Auto	0.0000
L59	43	Transition Stiffener	12.00 - 12.25	Auto	0.0000
L60	18	9" x 1-1/4" Flate Plate	11.50 - 12.00	Auto	0.0158
L60	23	9" x 1-1/4" Flate Plate	11.50 - 12.00	Auto	0.0158
L60	28	9" x 1-1/4" Flate Plate	11.50 - 12.00	Auto	0.0158
L60	33	6" x 1" Flate Plate	11.50 - 12.00	Auto	0.0000
L60	34	6" x 1" Flate Plate	11.50 - 12.00	Auto	0.0000
L60	35	6" x 1" Flate Plate	11.50 - 12.00	Auto	0.0000
L60	42	Transition Stiffener	11.50 - 12.00	Auto	0.0000
L60	43	Transition Stiffener	11.50 - 12.00	Auto	0.0000
L61	18	9" x 1-1/4" Flate Plate	11.25 - 11.50	Auto	0.0472
L61	23	9" x 1-1/4" Flate Plate	11.25 - 11.50	Auto	0.0472
L61	28	9" x 1-1/4" Flate Plate	11.25 - 11.50	Auto	0.0472
L61	33	6" x 1" Flate Plate	11.25 - 11.50	Auto	0.0000
L61	34	6" x 1" Flate Plate	11.25 - 11.50	Auto	0.0000
L61	35	6" x 1" Flate Plate	11.25 - 11.50	Auto	0.0000
L61	42	Transition Stiffener	11.25 - 11.50	Auto	0.0000
L61	43	Transition Stiffener	11.25 - 11.50	Auto	0.0000
L62	18	9" x 1-1/4" Flate Plate	9.25 - 11.25	Auto	0.0372
L62	23	9" x 1-1/4" Flate Plate	9.25 - 11.25	Auto	0.0372
L62	28	9" x 1-1/4" Flate Plate	9.25 - 11.25	Auto	0.0372
L62	33	6" x 1" Flate Plate	9.25 - 11.25	Auto	0.0000
L62	34	6" x 1" Flate Plate	9.25 - 11.25	Auto	0.0000
L62	35	6" x 1" Flate Plate	9.25 - 11.25	Auto	0.0000
L62	42	Transition Stiffener	9.25 - 11.25	Auto	0.0000
L62	43	Transition Stiffener	9.25 - 11.25	Auto	0.0000
L63	18	9" x 1-1/4" Flate Plate	9.00 - 9.25	Auto	0.0197
L63	23	9" x 1-1/4" Flate Plate	9.00 - 9.25	Auto	0.0197
L63	28	9" x 1-1/4" Flate Plate	9.00 - 9.25	Auto	0.0197
L63	33	6" x 1" Flate Plate	9.00 - 9.25	Auto	0.0000
L63	34	6" x 1" Flate Plate	9.00 - 9.25	Auto	0.0000
L63	35	6" x 1" Flate Plate	9.00 - 9.25	Auto	0.0000
L63	42	Transition Stiffener	9.00 - 9.25	Auto	0.0000
L63	43	Transition Stiffener	9.00 - 9.25	Auto	0.0000
L64	18	9" x 1-1/4" Flate Plate	4.50 - 9.00	Auto	0.0027
L64	23	9" x 1-1/4" Flate Plate	4.50 - 9.00	Auto	0.0027
L64	28	9" x 1-1/4" Flate Plate	4.50 - 9.00	Auto	0.0027
L64	33	6" x 1" Flate Plate	4.50 - 9.00	Auto	0.0000
L64	34	6" x 1" Flate Plate	4.50 - 9.00	Auto	0.0000
L64	35	6" x 1" Flate Plate	4.50 - 9.00	Auto	0.0000
L64	41	Transition Stiffener	4.50 - 6.00	Auto	0.0000
L64	42	Transition Stiffener	4.50 - 9.00	Auto	0.0000
L64	43	Transition Stiffener	4.50 - 9.00	Auto	0.0000
L65	18	9" x 1-1/4" Flate Plate	4.25 - 4.50	Auto	0.0000
L65	23	9" x 1-1/4" Flate Plate	4.25 - 4.50	Auto	0.0000
L65	28	9" x 1-1/4" Flate Plate	4.25 - 4.50	Auto	0.0000
L65	33	6" x 1" Flate Plate	4.25 - 4.50	Auto	0.0000
L65	34	6" x 1" Flate Plate	4.25 - 4.50	Auto	0.0000
L65	35	6" x 1" Flate Plate	4.25 - 4.50	Auto	0.0000
L65	41	Transition Stiffener	4.25 - 4.50	Auto	0.0000
L65	42	Transition Stiffener	4.25 - 4.50	Auto	0.0000
L65	43	Transition Stiffener	4.25 - 4.50	Auto	0.0000
L66	18	9" x 1-1/4" Flate Plate	3.00 - 4.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L66	23	9" x 1-1/4" Flate Plate	3.00 - 4.25	Auto	0.0000
L66	28	9" x 1-1/4" Flate Plate	3.00 - 4.25	Auto	0.0000
L66	33	6" x 1" Flate Plate	3.00 - 4.25	Auto	0.0000
L66	34	6" x 1" Flate Plate	3.00 - 4.25	Auto	0.0000
L66	35	6" x 1" Flate Plate	3.00 - 4.25	Auto	0.0000
L66	41	Transition Stiffener	3.00 - 4.25	Auto	0.0000
L66	42	Transition Stiffener	3.00 - 4.25	Auto	0.0000
L66	43	Transition Stiffener	3.00 - 4.25	Auto	0.0000
L67	18	9" x 1-1/4" Flate Plate	2.75 - 3.00	Auto	0.0000
L67	23	9" x 1-1/4" Flate Plate	2.75 - 3.00	Auto	0.0000
L67	28	9" x 1-1/4" Flate Plate	2.75 - 3.00	Auto	0.0000
L67	33	6" x 1" Flate Plate	2.75 - 3.00	Auto	0.0000
L67	34	6" x 1" Flate Plate	2.75 - 3.00	Auto	0.0000
L67	35	6" x 1" Flate Plate	2.75 - 3.00	Auto	0.0000
L67	41	Transition Stiffener	2.75 - 3.00	Auto	0.0000
L67	42	Transition Stiffener	2.75 - 3.00	Auto	0.0000
L67	43	Transition Stiffener	2.75 - 3.00	Auto	0.0000
L68	18	9" x 1-1/4" Flate Plate	0.00 - 2.75	Auto	0.0000
L68	23	9" x 1-1/4" Flate Plate	0.00 - 2.75	Auto	0.0000
L68	28	9" x 1-1/4" Flate Plate	0.00 - 2.75	Auto	0.0000
L68	33	6" x 1" Flate Plate	0.00 - 2.75	Auto	0.0000
L68	34	6" x 1" Flate Plate	0.00 - 2.75	Auto	0.0000
L68	35	6" x 1" Flate Plate	0.00 - 2.75	Auto	0.0000
L68	41	Transition Stiffener	0.00 - 2.75	Auto	0.0000
L68	42	Transition Stiffener	0.00 - 2.75	Auto	0.0000
L68	43	Transition Stiffener	0.00 - 2.75	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
(2) BSF0020F3V1	B	From Leg	4.0000 0.00 1.00	0.0000	150.0000
(2) BSF0020F3V1	C	From Leg	4.0000 0.00 1.00	0.0000	150.0000
(2) LPA-80063/6CFX5 w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	150.0000
(2) LPA-80063/6CFX5 w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	150.0000
(2) LPA-80063/6CFX5 w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	150.0000
(2) MX06FRO660-03 w/ Mount Pipe	A	From Leg	4.0000 0.00 1.00	0.0000	150.0000
(2) MX06FRO660-03 w/	B	From Leg	4.0000	0.0000	150.0000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft
Mount Pipe			0.00 0.00		
(2) MX06FRO660-03 w/ Mount Pipe	C	From Leg	4.0000 0.00 1.00	0.0000	150.0000
KS24019-L112A w/ Mount Pipe	A	From Leg	4.0000 0.00 3.00	0.0000	150.0000
MT6407-77A_CCIV2 w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	150.0000
MT6407-77A_CCIV2 w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	150.0000
MT6407-77A_CCIV2 w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	150.0000
RVZDC-6627-PF-48_CCIV2	A	From Leg	4.0000 0.00 0.00	0.0000	150.0000
RF4439D-25A	A	From Leg	4.0000 0.00 1.00	0.0000	150.0000
RF4439D-25A	B	From Leg	4.0000 0.00 1.00	0.0000	150.0000
RF4439D-25A	C	From Leg	4.0000 0.00 1.00	0.0000	150.0000
RF4440D-13A	A	From Leg	4.0000 0.00 1.00	0.0000	150.0000
RF4440D-13A	B	From Leg	4.0000 0.00 1.00	0.0000	150.0000
RF4440D-13A	C	From Leg	4.0000 0.00 1.00	0.0000	150.0000
Platform Mount (LP 101-1_KCKR) ***	C	None		0.0000	150.0000
AIR 6419 B77G_CCIV3 w/ Mount Pipe	A	From Leg	4.0000 0.00 4.00	0.0000	135.0000
AIR 6419 B77G_CCIV3 w/ Mount Pipe	B	From Leg	4.0000 0.00 4.00	0.0000	135.0000
AIR 6419 B77G_CCIV3 w/ Mount Pipe	C	From Leg	4.0000 0.00 4.00	0.0000	135.0000
AIR 6449 B77D_CCVI2 w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	135.0000
AIR 6449 B77D_CCVI2 w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	135.0000
AIR 6449 B77D_CCVI2 w/ Mount Pipe	C	From Leg	4.0000 0.00	0.0000	135.0000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
			0.00		
DC9-48-60-24-8C-EV	A	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
OPA65R-BU6D w/ Mount Pipe	A	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
OPA65R-BU6D w/ Mount Pipe	B	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
OPA65R-BU6D w/ Mount Pipe	C	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
RRUS 4449 B5/B12	A	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
RRUS 4449 B5/B12	B	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
RRUS 4449 B5/B12	C	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
RRUS 4478 B14	A	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
RRUS 4478 B14	B	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
RRUS 4478 B14	C	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
RRUS 8843 B2/B66A	A	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
RRUS 8843 B2/B66A	B	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
RRUS 8843 B2/B66A	C	From Leg	4.0000	0.0000	135.0000
			0.00		
			2.00		
(2) DC6-48-60-18-8F	A	From Leg	4.0000	0.0000	135.0000
			0.00		
			7.00		
Platform Mount (LP 101-1)	C	None		0.0000	140.0000
(3) P2 STD 13.5'	C	None		0.0000	140.0000
site pro PRK-SFS-L	A	From Leg	2.0000	0.0000	140.0000
			0.00		
			0.00		
site pro PRK-SFS-L	B	From Leg	2.0000	0.0000	140.0000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft
			0.00 0.00		
site pro PRK-SFS-L	C	From Leg	2.0000 0.00 0.00	0.0000	140.0000
***					
AIR6449 B41_T-MOBILE	A	From Leg	4.0000 0.00 0.00	0.0000	128.0000
AIR6449 B41_T-MOBILE	B	From Leg	4.0000 0.00 0.00	0.0000	128.0000
AIR6449 B41_T-MOBILE	C	From Leg	4.0000 0.00 0.00	0.0000	128.0000
APXVAALL24_43-U-NA20_TMO	A	From Leg	4.0000 0.00 0.00	0.0000	128.0000
APXVAALL24_43-U-NA20_TMO	B	From Leg	4.0000 0.00 0.00	0.0000	128.0000
APXVAALL24_43-U-NA20_TMO	C	From Leg	4.0000 0.00 0.00	0.0000	128.0000
AIR 32 B2A B66AA_T-MOBILE	A	From Leg	4.0000 0.00 0.00	0.0000	128.0000
AIR 32 B2A B66AA_T-MOBILE	B	From Leg	4.0000 0.00 0.00	0.0000	128.0000
AIR 32 B2A B66AA_T-MOBILE	C	From Leg	4.0000 0.00 0.00	0.0000	128.0000
RRUS 4415 B25_CCIV2	A	From Leg	4.0000 0.00 0.00	90.0000	128.0000
RRUS 4415 B25_CCIV2	B	From Leg	4.0000 0.00 0.00	90.0000	128.0000
RRUS 4415 B25_CCIV2	C	From Leg	4.0000 0.00 0.00	90.0000	128.0000
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.0000 0.00 0.00	90.0000	128.0000
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.0000 0.00 0.00	90.0000	128.0000
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.0000 0.00 0.00	90.0000	128.0000
Platform Mount [LP 301-1_KCKR]	C	None		0.0000	128.0000
***					
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.0000 0.00 2.00	0.0000	108.0000
MX08FRO665-21 w/ Mount	B	From Leg	4.0000	0.0000	108.0000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
Pipe			0.00 2.00		
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.0000 0.00 2.00	0.0000	108.0000
TA08025-B604	A	From Leg	4.0000 0.00 2.00	90.0000	108.0000
TA08025-B604	B	From Leg	4.0000 0.00 2.00	90.0000	108.0000
TA08025-B604	C	From Leg	4.0000 0.00 2.00	90.0000	108.0000
TA08025-B605	A	From Leg	4.0000 0.00 2.00	90.0000	108.0000
TA08025-B605	B	From Leg	4.0000 0.00 2.00	90.0000	108.0000
TA08025-B605	C	From Leg	4.0000 0.00 2.00	90.0000	108.0000
RDIDC-9181-PF-48	A	From Leg	4.0000 0.00 2.00	0.0000	108.0000
Commscope MC-PK8-DSH	C	None		0.0000	108.0000
(2) 8' x 2'' Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	108.0000
(2) 8' x 2'' Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	108.0000
(2) 8' x 2'' Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	108.0000
***					

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

Comb. No.	Description
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	150 - 145	Pole	Max Tension	26	0.00	0.00	-0.00
			Max. Compression	26	-9.48	0.00	0.32
			Max. Mx	8	-3.56	-42.56	0.04
			Max. My	2	-3.56	-0.00	42.46
			Max. Vy	8	8.35	-42.56	0.04
			Max. Vx	2	-8.34	-0.00	42.46
			Max. Torque	17			-1.46
L2	145 - 140	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-9.84	0.00	0.33
			Max. Mx	8	-3.79	-85.26	0.02
			Max. My	2	-3.80	-0.00	85.06
			Max. Vy	8	8.73	-85.26	0.02
			Max. Vx	2	-8.71	-0.00	85.06
			Max. Torque	17			-1.46
L3	140 - 135	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-14.87	0.00	0.35

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	20	-6.31	144.46	-0.00
			Max. My	2	-6.32	-0.00	144.18
			Max. Vy	20	-12.03	144.46	-0.00
			Max. Vx	2	-12.01	-0.00	144.18
			Max. Torque	17			-1.53
L4	135 - 133	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-19.21	0.00	1.28
			Max. Mx	20	-8.18	183.85	0.60
			Max. My	2	-8.19	-0.00	183.93
			Max. Vy	20	-16.00	183.85	0.60
			Max. Vx	2	-15.98	-0.00	183.93
			Max. Torque	4			4.24
L5	133 - 132.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-19.25	0.00	1.28
			Max. Mx	20	-8.23	187.85	0.60
			Max. My	2	-8.23	-0.00	187.93
			Max. Vy	20	-16.01	187.85	0.60
			Max. Vx	2	-15.99	-0.00	187.93
			Max. Torque	4			4.24
L6	132.75 - 127.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.19	0.00	1.29
			Max. Mx	20	-12.69	270.07	0.75
			Max. My	2	-12.69	-0.00	270.05
			Max. Vy	20	-20.76	270.07	0.75
			Max. Vx	2	-20.74	-0.00	270.05
			Max. Torque	4			5.96
L7	127.75 - 123.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.92	0.00	1.31
			Max. Mx	8	-13.28	-353.76	0.72
			Max. My	2	-13.28	-0.00	353.66
			Max. Vy	8	21.09	-353.76	0.72
			Max. Vx	2	-21.08	-0.00	353.66
			Max. Torque	4			5.96
L8	123.75 - 123.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.97	0.00	1.31
			Max. Mx	20	-13.33	359.03	0.72
			Max. My	2	-13.33	-0.00	358.93
			Max. Vy	20	-21.11	359.03	0.72
			Max. Vx	2	-21.09	-0.00	358.93
			Max. Torque	16			-5.96
L9	123.5 - 118.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-29.27	0.00	1.32
			Max. Mx	8	-14.35	-460.38	0.70
			Max. My	2	-14.36	-0.00	460.19
			Max. Vy	8	21.57	-460.38	0.70
			Max. Vx	2	-21.55	-0.00	460.19
			Max. Torque	16			-5.96
L10	118.75 - 118.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-29.35	0.00	1.32
			Max. Mx	8	-14.43	-465.78	0.70
			Max. My	2	-14.43	-0.00	465.58
			Max. Vy	8	21.60	-465.78	0.70
			Max. Vx	2	-21.57	-0.00	465.58
			Max. Torque	16			-5.96
L11	118.5 - 117	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-29.85	0.00	1.33
			Max. Mx	8	-14.83	-498.29	0.69
			Max. My	2	-14.83	-0.00	498.06
			Max. Vy	8	21.76	-498.29	0.69
			Max. Vx	2	-21.74	-0.00	498.06

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	16			-5.96
L12	117 - 116.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-29.92	0.00	1.33
			Max. Mx	8	-14.90	-503.73	0.69
			Max. My	2	-14.90	-0.00	503.49
			Max. Vy	8	21.78	-503.73	0.69
			Max. Vx	2	-21.75	-0.00	503.49
			Max. Torque	16			-5.96
L13	116.75 - 111.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-31.31	0.00	1.33
			Max. Mx	8	-16.01	-613.80	0.66
			Max. My	2	-16.01	-0.00	613.46
			Max. Vy	8	22.26	-613.80	0.66
			Max. Vx	2	-22.24	-0.00	613.46
			Max. Torque	16			-5.96
L14	111.75 - 106.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.59	0.00	1.64
			Max. Mx	20	-20.11	732.41	0.74
			Max. My	2	-20.11	-0.00	732.18
			Max. Vy	20	-26.09	732.41	0.74
			Max. Vx	2	-26.10	-0.00	732.18
			Max. Torque	16			-6.10
L15	106.75 - 101.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.02	0.00	1.64
			Max. Mx	8	-21.31	-863.96	0.72
			Max. My	2	-21.31	-0.00	863.78
			Max. Vy	8	26.55	-863.96	0.72
			Max. Vx	2	-26.56	-0.00	863.78
			Max. Torque	16			-6.10
L16	101.75 - 95.167	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.68	0.00	1.64
			Max. Mx	8	-21.87	-923.90	0.72
			Max. My	2	-21.86	-0.00	923.75
			Max. Vy	8	26.76	-923.90	0.72
			Max. Vx	2	-26.77	-0.00	923.75
			Max. Torque	16			-6.10
L17	95.167 - 94.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.33	0.00	1.64
			Max. Mx	8	-24.09	-1059.17	0.70
			Max. My	2	-24.09	-0.00	1059.07
			Max. Vy	8	27.35	-1059.17	0.70
			Max. Vx	2	-27.36	-0.00	1059.07
			Max. Torque	16			-6.09
L18	94.5 - 93.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.58	0.00	1.64
			Max. Mx	20	-24.31	1079.70	0.70
			Max. My	2	-24.31	-0.00	1079.61
			Max. Vy	20	-27.42	1079.70	0.70
			Max. Vx	2	-27.44	-0.00	1079.61
			Max. Torque	16			-6.09
L19	93.75 - 93.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.67	0.00	1.64
			Max. Mx	8	-24.40	-1086.56	0.70
			Max. My	2	-24.39	-0.00	1086.47
			Max. Vy	8	27.44	-1086.56	0.70
			Max. Vx	2	-27.45	-0.00	1086.47
			Max. Torque	16			-6.09
L20	93.5 - 92.75	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
			Max. Compression	26	-42.95	0.00	1.64
			Max. Mx	20	-24.63	1107.17	0.69
			Max. My	2	-24.63	-0.00	1107.09
			Max. Vy	20	-27.52	1107.17	0.69
			Max. Vx	2	-27.54	-0.00	1107.09
			Max. Torque	16			-6.09
L21	92.75 - 92.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-43.06	0.00	1.64
			Max. Mx	20	-24.73	1114.05	0.69
			Max. My	2	-24.73	-0.00	1113.97
			Max. Vy	20	-27.55	1114.05	0.69
			Max. Vx	2	-27.56	-0.00	1113.97
			Max. Torque	16			-6.09
L22	92.5 - 91.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-43.60	0.00	1.64
			Max. Mx	8	-25.19	-1148.56	0.69
			Max. My	2	-25.19	-0.00	1148.50
			Max. Vy	8	27.69	-1148.56	0.69
			Max. Vx	2	-27.70	-0.00	1148.50
			Max. Torque	16			-6.09
L23	91.25 - 91	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-43.71	0.00	1.64
			Max. Mx	20	-25.30	1155.49	0.69
			Max. My	2	-25.30	-0.00	1155.43
			Max. Vy	20	-27.71	1155.49	0.69
			Max. Vx	2	-27.72	-0.00	1155.43
			Max. Torque	16			-6.09
L24	91 - 89.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.46	0.00	1.64
			Max. Mx	8	-25.94	-1204.14	0.68
			Max. My	2	-25.94	-0.00	1204.10
			Max. Vy	8	27.91	-1204.14	0.68
			Max. Vx	2	-27.92	-0.00	1204.10
			Max. Torque	16			-6.09
L25	89.25 - 89	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.58	0.00	1.64
			Max. Mx	20	-26.06	1211.12	0.68
			Max. My	2	-26.06	-0.00	1211.08
			Max. Vy	20	-27.93	1211.12	0.68
			Max. Vx	2	-27.94	-0.00	1211.08
			Max. Torque	16			-6.09
L26	89 - 85.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.09	0.00	1.64
			Max. Mx	8	-27.37	-1302.45	0.68
			Max. My	2	-27.37	-0.00	1302.45
			Max. Vy	8	28.29	-1302.45	0.68
			Max. Vx	2	-28.31	-0.00	1302.45
			Max. Torque	16			-6.09
L27	85.75 - 85.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.19	0.00	1.64
			Max. Mx	20	-27.46	1309.53	0.67
			Max. My	2	-27.46	-0.00	1309.53
			Max. Vy	20	-28.31	1309.53	0.67
			Max. Vx	2	-28.32	-0.00	1309.53
			Max. Torque	16			-6.09
L28	85.5 - 80.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.08	0.00	1.64
			Max. Mx	20	-29.09	1452.29	0.66
			Max. My	2	-29.09	-0.00	1452.34
			Max. Vy	20	-28.81	1452.29	0.66
			Max. Vx	2	-28.82	-0.00	1452.34
			Max. Torque	16			-6.09

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L29	80.5 - 75.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.00	0.00	1.64
			Max. Mx	8	-30.75	-1597.46	0.66
			Max. My	2	-30.75	-0.00	1597.57
			Max. Vy	8	29.29	-1597.46	0.66
			Max. Vx	2	-29.30	-0.00	1597.57
			Max. Torque	16			-6.08
L30	75.5 - 70.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.94	0.00	1.64
			Max. Mx	8	-32.44	-1745.02	0.65
			Max. My	2	-32.44	-0.00	1745.18
			Max. Vy	8	29.76	-1745.02	0.65
			Max. Vx	2	-29.77	-0.00	1745.18
			Max. Torque	16			-6.08
L31	70.5 - 68.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.89	0.00	1.64
			Max. Mx	8	-33.27	-1817.18	0.65
			Max. My	2	-33.27	-0.00	1817.37
			Max. Vy	8	29.99	-1817.18	0.65
			Max. Vx	2	-30.00	-0.00	1817.37
			Max. Torque	16			-6.08
L32	68.083 - 67.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.00	0.00	1.64
			Max. Mx	8	-33.37	-1824.68	0.65
			Max. My	2	-33.37	-0.00	1824.87
			Max. Vy	8	30.00	-1824.68	0.65
			Max. Vx	2	-30.01	-0.00	1824.87
			Max. Torque	16			-6.08
L33	67.833 - 67	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.34	0.00	1.64
			Max. Mx	8	-33.67	-1849.70	0.64
			Max. My	2	-33.67	-0.00	1849.90
			Max. Vy	8	30.09	-1849.70	0.64
			Max. Vx	2	-30.10	-0.00	1849.90
			Max. Torque	16			-6.07
L34	67 - 66.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.47	0.00	1.64
			Max. Mx	8	-33.78	-1857.22	0.64
			Max. My	2	-33.78	-0.00	1857.43
			Max. Vy	8	30.11	-1857.22	0.64
			Max. Vx	2	-30.12	-0.00	1857.43
			Max. Torque	16			-6.07
L35	66.75 - 63.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.18	0.00	1.64
			Max. Mx	8	-35.28	-1963.22	0.64
			Max. My	2	-35.28	-0.00	1963.46
			Max. Vy	8	30.48	-1963.22	0.64
			Max. Vx	2	-30.50	-0.00	1963.46
			Max. Torque	16			-6.07
L36	63.25 - 63	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.32	0.00	1.64
			Max. Mx	20	-35.41	1970.84	0.64
			Max. My	2	-35.41	-0.00	1971.09
			Max. Vy	20	-30.50	1970.84	0.64
			Max. Vx	2	-30.51	-0.00	1971.09
			Max. Torque	16			-6.07
L37	63 - 59.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.24	0.00	1.64
			Max. Mx	8	-37.10	-2078.25	0.64
			Max. My	2	-37.10	-0.00	2078.53
			Max. Vy	8	30.89	-2078.25	0.64

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	2	-30.90	-0.00	2078.53
			Max. Torque	16			-6.07
L38	59.5 - 59.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.38	0.00	1.64
			Max. Mx	20	-37.24	2085.97	0.64
			Max. My	2	-37.24	0.24	2086.25
			Max. Vy	20	-30.91	2085.97	0.64
			Max. Vx	2	-30.92	0.24	2086.25
			Max. Torque	16			-6.07
L39	59.25 - 56.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-59.08	0.00	1.64
			Max. Mx	20	-38.74	2179.18	0.63
			Max. My	2	-38.74	-0.00	2179.50
			Max. Vy	20	-31.25	2179.18	0.63
			Max. Vx	2	-31.26	-0.00	2179.50
			Max. Torque	16			-6.07
L40	56.25 - 56	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-59.21	0.00	1.64
			Max. Mx	8	-38.87	-2186.99	0.63
			Max. My	2	-38.86	0.20	2187.31
			Max. Vy	8	31.26	-2186.99	0.63
			Max. Vx	2	-31.27	0.20	2187.31
			Max. Torque	16			-6.07
L41	56 - 55.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-59.32	0.00	1.64
			Max. Mx	20	-38.96	2194.81	0.63
			Max. My	2	-38.96	0.16	2195.13
			Max. Vy	20	-31.29	2194.81	0.63
			Max. Vx	2	-31.30	0.16	2195.13
			Max. Torque	16			-6.07
L42	55.75 - 50.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-61.54	0.00	1.64
			Max. Mx	20	-40.89	2352.37	0.63
			Max. My	2	-40.89	-0.00	2352.75
			Max. Vy	20	-31.76	2352.37	0.63
			Max. Vx	2	-31.77	-0.00	2352.75
			Max. Torque	16			-6.07
L43	50.75 - 44.667	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-61.88	0.00	1.64
			Max. Mx	20	-41.19	2376.20	0.63
			Max. My	2	-41.19	-0.00	2376.59
			Max. Vy	20	-31.82	2376.20	0.63
			Max. Vx	2	-31.83	-0.00	2376.59
			Max. Torque	16			-6.07
L44	44.667 - 43.667	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.90	0.00	1.64
			Max. Mx	8	-45.57	-2580.09	0.62
			Max. My	2	-45.57	-0.00	2580.55
			Max. Vy	8	32.57	-2580.09	0.62
			Max. Vx	2	-32.58	-0.00	2580.55
			Max. Torque	16			-6.07
L45	43.667 - 38.667	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.29	0.00	1.64
			Max. Mx	20	-47.70	2743.89	0.62
			Max. My	2	-47.70	-0.00	2744.40
			Max. Vy	20	-32.99	2743.89	0.62
			Max. Vx	2	-33.00	-0.00	2744.40
			Max. Torque	16			-6.07
L46	38.667 - 34.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.30	0.00	1.64

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	20	-49.49	2881.98	0.62
			Max. My	2	-49.49	-0.00	2882.53
			Max. Vy	20	-33.33	2881.98	0.62
			Max. Vx	2	-33.34	-0.00	2882.53
			Max. Torque	16			-6.06
L47	34.5 - 34.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.45	0.00	1.64
			Max. Mx	20	-49.64	2890.31	0.62
			Max. My	2	-49.64	0.11	2890.86
			Max. Vy	20	-33.33	2890.31	0.62
			Max. Vx	2	-33.35	0.11	2890.86
			Max. Torque	16			-6.06
L48	34.25 - 33	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.18	0.00	1.64
			Max. Mx	8	-50.28	-2932.04	0.62
			Max. My	2	-50.28	-0.00	2932.61
			Max. Vy	8	33.47	-2932.04	0.62
			Max. Vx	2	-33.48	-0.00	2932.61
			Max. Torque	16			-6.06
L49	33 - 32.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.33	0.00	1.64
			Max. Mx	20	-50.43	2940.41	0.62
			Max. My	2	-50.43	0.10	2940.98
			Max. Vy	20	-33.47	2940.41	0.62
			Max. Vx	2	-33.48	0.10	2940.98
			Max. Torque	16			-6.06
L50	32.75 - 29.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.09	0.00	1.64
			Max. Mx	20	-52.01	3041.21	0.62
			Max. My	2	-52.01	-0.00	3041.81
			Max. Vy	20	-33.75	3041.21	0.62
			Max. Vx	2	-33.76	-0.00	3041.81
			Max. Torque	16			-6.06
L51	29.75 - 29.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.24	0.00	1.64
			Max. Mx	8	-52.15	-3049.64	0.62
			Max. My	2	-52.15	-0.28	3050.25
			Max. Vy	8	33.76	-3049.64	0.62
			Max. Vx	2	-33.77	-0.28	3050.25
			Max. Torque	16			-6.06
L52	29.5 - 25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-76.97	0.00	1.64
			Max. Mx	8	-54.60	-3202.41	0.62
			Max. My	2	-54.60	0.02	3203.07
			Max. Vy	8	34.16	-3202.41	0.62
			Max. Vx	2	-34.18	0.02	3203.07
			Max. Torque	16			-6.06
L53	25 - 24.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-77.10	0.00	1.64
			Max. Mx	20	-54.73	3210.95	0.62
			Max. My	2	-54.73	0.06	3211.61
			Max. Vy	20	-34.17	3210.95	0.62
			Max. Vx	2	-34.18	0.06	3211.61
			Max. Torque	16			-6.06
L54	24.75 - 19.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-79.66	0.00	1.64
			Max. Mx	8	-57.01	-3382.63	0.62
			Max. My	2	-57.01	-0.01	3383.34
			Max. Vy	8	34.54	-3382.63	0.62
			Max. Vx	2	-34.55	-0.01	3383.34
			Max. Torque	16			-6.06
L55	19.75 - 14.75	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
			Max. Compression	26	-82.24	0.00	1.63
			Max. Mx	8	-59.34	-3555.98	0.62
			Max. My	2	-59.34	-0.01	3556.74
			Max. Vy	8	34.85	-3555.98	0.62
			Max. Vx	2	-34.86	-0.01	3556.74
			Max. Torque	16			-6.06
L56	14.75 - 14.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.37	0.00	1.62
			Max. Mx	20	-59.46	3564.69	0.62
			Max. My	2	-59.46	-0.32	3565.45
			Max. Vy	20	-34.85	3564.69	0.62
			Max. Vx	2	-34.86	-0.32	3565.45
			Max. Torque	16			-6.06
L57	14.5 - 14.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.50	0.00	1.62
			Max. Mx	8	-59.58	-3573.40	0.62
			Max. My	2	-59.58	-0.31	3574.17
			Max. Vy	8	34.88	-3573.40	0.62
			Max. Vx	2	-34.87	-0.31	3574.17
			Max. Torque	16			-6.06
L58	14.25 - 12.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.56	-0.01	1.61
			Max. Mx	8	-60.51	-3643.32	0.62
			Max. My	2	-60.51	-0.02	3644.02
			Max. Vy	8	35.07	-3643.32	0.62
			Max. Vx	2	-35.01	-0.02	3644.02
			Max. Torque	16			-6.06
L59	12.25 - 12	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.69	-0.01	1.60
			Max. Mx	20	-60.64	3652.08	0.63
			Max. My	2	-60.64	0.02	3652.77
			Max. Vy	20	-35.07	3652.08	0.63
			Max. Vx	2	-35.01	0.02	3652.77
			Max. Torque	16			-6.06
L60	12 - 11.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.95	-0.01	1.60
			Max. Mx	8	-60.87	-3669.62	0.63
			Max. My	2	-60.87	0.01	3670.28
			Max. Vy	8	35.12	-3669.62	0.63
			Max. Vx	2	-35.04	0.01	3670.28
			Max. Torque	16			-6.06
L61	11.5 - 11.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-84.09	-0.01	1.60
			Max. Mx	20	-61.00	3678.40	0.63
			Max. My	2	-61.00	0.02	3679.03
			Max. Vy	20	-35.14	3678.40	0.63
			Max. Vx	2	-35.05	0.02	3679.03
			Max. Torque	16			-6.06
L62	11.25 - 9.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.20	-0.03	1.59
			Max. Mx	8	-61.98	-3748.85	0.63
			Max. My	2	-61.98	-0.02	3749.25
			Max. Vy	8	35.34	-3748.85	0.63
			Max. Vx	2	-35.19	-0.02	3749.25
			Max. Torque	16			-6.06
L63	9.25 - 9	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.34	-0.03	1.59
			Max. Mx	8	-62.11	-3757.68	0.63
			Max. My	2	-62.11	0.02	3758.05
			Max. Vy	8	35.34	-3757.68	0.63
			Max. Vx	2	-35.19	0.02	3758.05
			Max. Torque	16			-6.06

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L64	9 - 4.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-87.66	-0.06	1.57
			Max. Mx	8	-64.17	-3917.58	0.63
			Max. My	2	-64.17	-0.02	3916.99
			Max. Vy	20	-35.76	3917.58	0.63
			Max. Vx	2	-35.48	-0.02	3916.99
			Max. Torque	16			-6.06
L65	4.5 - 4.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-87.80	-0.06	1.57
			Max. Mx	8	-64.31	-3926.52	0.63
			Max. My	2	-64.31	0.01	3925.85
			Max. Vy	20	-35.76	3926.52	0.63
			Max. Vx	2	-35.48	0.01	3925.85
			Max. Torque	16			-6.06
L66	4.25 - 3	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-88.47	-0.06	1.57
			Max. Mx	8	-64.90	-3971.28	0.63
			Max. My	2	-64.90	0.00	3970.24
			Max. Vy	20	-35.90	3971.28	0.63
			Max. Vx	2	-35.58	0.00	3970.24
			Max. Torque	16			-6.06
L67	3 - 2.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-88.60	-0.06	1.57
			Max. Mx	8	-65.03	-3980.25	0.63
			Max. My	2	-65.03	0.00	3979.13
			Max. Vy	8	35.90	-3980.25	0.63
			Max. Vx	2	-35.57	0.00	3979.13
			Max. Torque	16			-6.06
L68	2.75 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-90.00	-0.06	1.57
			Max. Mx	8	-66.29	-4079.28	0.63
			Max. My	2	-66.29	0.00	4077.17
			Max. Vy	8	36.17	-4079.28	0.63
			Max. Vx	2	-35.77	0.00	4077.17
			Max. Torque	16			-6.06

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	90.00	0.00	8.27
	Max. H_x	20	66.31	36.13	0.00
	Max. H_z	3	49.73	0.00	35.74
	Max. M_x	2	4077.17	0.00	35.74
	Max. M_z	8	4079.28	-36.13	0.00
	Max. Torsion	4	6.06	-17.93	31.05
	Min. Vert	15	49.73	0.00	-35.74
	Min. H_x	8	66.31	-36.13	0.00
	Min. H_z	15	49.73	0.00	-35.74
	Min. M_x	14	-4076.03	0.00	-35.74
	Min. M_z	20	-4079.28	36.13	0.00
	Min. Torsion	16	-6.06	17.93	-31.05

Tower Mast Reaction Summary

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead Only	55.26	0.00	0.00	-0.43	0.00	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	66.31	-0.00	-35.74	-4077.17	0.00	-0.00
0.9 Dead+1.0 Wind 0 deg - No Ice	49.73	-0.00	-35.74	-4021.21	0.00	-0.00
1.2 Dead+1.0 Wind 30 deg - No Ice	66.31	17.93	-31.05	-3531.47	-2038.66	-6.06
0.9 Dead+1.0 Wind 30 deg - No Ice	49.73	17.93	-31.05	-3482.99	-2010.74	-6.05
1.2 Dead+1.0 Wind 60 deg - No Ice	66.31	30.94	-17.86	-2038.57	-3529.94	-1.25
0.9 Dead+1.0 Wind 60 deg - No Ice	49.73	30.94	-17.86	-2010.51	-3481.61	-1.24
1.2 Dead+1.0 Wind 90 deg - No Ice	66.31	36.13	0.00	-0.63	-4079.28	3.89
0.9 Dead+1.0 Wind 90 deg - No Ice	49.73	36.13	0.00	-0.46	-4023.47	3.90
1.2 Dead+1.0 Wind 120 deg - No Ice	66.31	30.97	17.88	2037.54	-3530.08	-1.25
0.9 Dead+1.0 Wind 120 deg - No Ice	49.73	30.97	17.88	2009.78	-3481.75	-1.24
1.2 Dead+1.0 Wind 150 deg - No Ice	66.31	18.04	31.25	3531.98	-2039.42	-6.05
0.9 Dead+1.0 Wind 150 deg - No Ice	49.73	18.04	31.25	3483.79	-2011.54	-6.05
1.2 Dead+1.0 Wind 180 deg - No Ice	66.31	-0.00	35.74	4076.03	0.00	0.00
0.9 Dead+1.0 Wind 180 deg - No Ice	49.73	-0.00	35.74	4020.38	0.00	0.00
1.2 Dead+1.0 Wind 210 deg - No Ice	66.31	-17.93	31.05	3530.41	2038.51	6.06
0.9 Dead+1.0 Wind 210 deg - No Ice	49.73	-17.93	31.05	3482.22	2010.63	6.05
1.2 Dead+1.0 Wind 240 deg - No Ice	66.31	-30.94	17.86	2037.45	3529.93	1.25
0.9 Dead+1.0 Wind 240 deg - No Ice	49.73	-30.94	17.86	2009.70	3481.60	1.24
1.2 Dead+1.0 Wind 270 deg - No Ice	66.31	-36.13	0.00	-0.63	4079.28	-3.89
0.9 Dead+1.0 Wind 270 deg - No Ice	49.73	-36.13	0.00	-0.46	4023.47	-3.90
1.2 Dead+1.0 Wind 300 deg - No Ice	66.31	-30.97	-17.88	-2038.65	3530.09	1.25
0.9 Dead+1.0 Wind 300 deg - No Ice	49.73	-30.97	-17.88	-2010.60	3481.76	1.24
1.2 Dead+1.0 Wind 330 deg - No Ice	66.31	-18.04	-31.25	-3533.04	2039.57	6.05
0.9 Dead+1.0 Wind 330 deg - No Ice	49.73	-18.04	-31.25	-3484.56	2011.64	6.05
1.2 Dead+1.0 Ice+1.0 Temp	90.00	0.00	-0.00	-1.57	-0.06	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	90.00	0.00	-8.27	-974.80	-0.06	-0.00
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	90.00	4.13	-7.16	-844.44	-486.59	-1.20
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	90.00	7.16	-4.13	-488.29	-842.73	-0.32
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	90.00	8.26	0.00	-1.78	-973.09	0.65
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	90.00	7.16	4.13	484.74	-842.72	-0.32
1.2 Dead+1.0 Wind 150 deg+1.0	90.00	4.13	7.16	840.89	-486.56	-1.20

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	90.00	0.00	8.27	971.26	-0.06	0.00
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	90.00	-4.13	7.16	840.91	486.45	1.20
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	90.00	-7.16	4.13	484.75	842.61	0.32
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	90.00	-8.26	0.00	-1.78	972.97	-0.65
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	90.00	-7.16	-4.13	-488.28	842.60	0.32
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	90.00	-4.13	-7.16	-844.43	486.46	1.20
Dead+Wind 0 deg - Service	55.26	-0.00	-8.14	-922.74	0.00	-0.00
Dead+Wind 30 deg - Service	55.26	4.09	-7.08	-799.29	-461.20	-1.41
Dead+Wind 60 deg - Service	55.26	7.05	-4.07	-461.54	-798.59	-0.30
Dead+Wind 90 deg - Service	55.26	8.23	0.00	-0.47	-922.88	0.89
Dead+Wind 120 deg - Service	55.26	7.06	4.07	460.62	-798.63	-0.30
Dead+Wind 150 deg - Service	55.26	4.11	7.12	798.71	-461.40	-1.41
Dead+Wind 180 deg - Service	55.26	-0.00	8.14	921.80	0.00	0.00
Dead+Wind 210 deg - Service	55.26	-4.09	7.08	798.35	461.20	1.41
Dead+Wind 240 deg - Service	55.26	-7.05	4.07	460.60	798.59	0.30
Dead+Wind 270 deg - Service	55.26	-8.23	0.00	-0.47	922.88	-0.89
Dead+Wind 300 deg - Service	55.26	-7.06	-4.07	-461.56	798.63	0.30
Dead+Wind 330 deg - Service	55.26	-4.11	-7.12	-799.65	461.41	1.41

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-55.26	0.00	0.00	55.26	0.00	0.000%
2	0.00	-66.31	-35.74	0.00	66.31	35.74	0.000%
3	0.00	-49.73	-35.74	0.00	49.73	35.74	0.000%
4	17.93	-66.31	-31.05	-17.93	66.31	31.05	0.000%
5	17.93	-49.73	-31.05	-17.93	49.73	31.05	0.000%
6	30.94	-66.31	-17.86	-30.94	66.31	17.86	0.000%
7	30.94	-49.73	-17.86	-30.94	49.73	17.86	0.000%
8	36.13	-66.31	0.00	-36.13	66.31	0.00	0.000%
9	36.13	-49.73	0.00	-36.13	49.73	0.00	0.000%
10	30.97	-66.31	17.88	-30.97	66.31	-17.88	0.000%
11	30.97	-49.73	17.88	-30.97	49.73	-17.88	0.000%
12	18.04	-66.31	31.25	-18.04	66.31	-31.25	0.000%
13	18.04	-49.73	31.25	-18.04	49.73	-31.25	0.000%
14	0.00	-66.31	35.74	0.00	66.31	-35.74	0.000%
15	0.00	-49.73	35.74	0.00	49.73	-35.74	0.000%
16	-17.93	-66.31	31.05	17.93	66.31	-31.05	0.000%
17	-17.93	-49.73	31.05	17.93	49.73	-31.05	0.000%
18	-30.94	-66.31	17.86	30.94	66.31	-17.86	0.000%
19	-30.94	-49.73	17.86	30.94	49.73	-17.86	0.000%
20	-36.13	-66.31	0.00	36.13	66.31	0.00	0.000%
21	-36.13	-49.73	0.00	36.13	49.73	0.00	0.000%
22	-30.97	-66.31	-17.88	30.97	66.31	17.88	0.000%
23	-30.97	-49.73	-17.88	30.97	49.73	17.88	0.000%
24	-18.04	-66.31	-31.25	18.04	66.31	31.25	0.000%
25	-18.04	-49.73	-31.25	18.04	49.73	31.25	0.000%
26	0.00	-90.00	0.00	0.00	90.00	0.00	0.000%
27	0.00	-90.00	-8.27	0.00	90.00	8.27	0.000%
28	4.13	-90.00	-7.16	-4.13	90.00	7.16	0.000%
29	7.16	-90.00	-4.13	-7.16	90.00	4.13	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
30	8.26	-90.00	0.00	-8.26	90.00	0.00	0.000%
31	7.16	-90.00	4.13	-7.16	90.00	-4.13	0.000%
32	4.13	-90.00	7.16	-4.13	90.00	-7.16	0.000%
33	0.00	-90.00	8.27	0.00	90.00	-8.27	0.000%
34	-4.13	-90.00	7.16	4.13	90.00	-7.16	0.000%
35	-7.16	-90.00	4.13	7.16	90.00	-4.13	0.000%
36	-8.26	-90.00	0.00	8.26	90.00	0.00	0.000%
37	-7.16	-90.00	-4.13	7.16	90.00	4.13	0.000%
38	-4.13	-90.00	-7.16	4.13	90.00	7.16	0.000%
39	0.00	-55.26	-8.14	0.00	55.26	8.14	0.000%
40	4.09	-55.26	-7.08	-4.09	55.26	7.08	0.000%
41	7.05	-55.26	-4.07	-7.05	55.26	4.07	0.000%
42	8.23	-55.26	0.00	-8.23	55.26	0.00	0.000%
43	7.06	-55.26	4.07	-7.06	55.26	-4.07	0.000%
44	4.11	-55.26	7.12	-4.11	55.26	-7.12	0.000%
45	0.00	-55.26	8.14	0.00	55.26	-8.14	0.000%
46	-4.09	-55.26	7.08	4.09	55.26	-7.08	0.000%
47	-7.05	-55.26	4.07	7.05	55.26	-4.07	0.000%
48	-8.23	-55.26	0.00	8.23	55.26	0.00	0.000%
49	-7.06	-55.26	-4.07	7.06	55.26	4.07	0.000%
50	-4.11	-55.26	-7.12	4.11	55.26	7.12	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	14	0.00000001	0.00000000
3	Yes	14	0.00000001	0.00000000
4	Yes	7	0.00000001	0.00015288
5	Yes	6	0.00000001	0.00085468
6	Yes	7	0.00000001	0.00016731
7	Yes	6	0.00000001	0.00093919
8	Yes	6	0.00000001	0.00024269
9	Yes	6	0.00000001	0.00008445
10	Yes	7	0.00000001	0.00016173
11	Yes	6	0.00000001	0.00090672
12	Yes	7	0.00000001	0.00017916
13	Yes	7	0.00000001	0.00004204
14	Yes	14	0.00000001	0.00000000
15	Yes	14	0.00000001	0.00000000
16	Yes	7	0.00000001	0.00017922
17	Yes	7	0.00000001	0.00004206
18	Yes	7	0.00000001	0.00016174
19	Yes	6	0.00000001	0.00090679
20	Yes	6	0.00000001	0.00024269
21	Yes	6	0.00000001	0.00008445
22	Yes	7	0.00000001	0.00016729
23	Yes	6	0.00000001	0.00093905
24	Yes	7	0.00000001	0.00015285
25	Yes	6	0.00000001	0.00085446
26	Yes	4	0.00000001	0.00019709
27	Yes	7	0.00000001	0.00012649
28	Yes	7	0.00000001	0.00015547
29	Yes	7	0.00000001	0.00015723
30	Yes	7	0.00000001	0.00012628
31	Yes	7	0.00000001	0.00015491
32	Yes	7	0.00000001	0.00015808

33	Yes	7	0.00000001	0.00012544
34	Yes	7	0.00000001	0.00015809
35	Yes	7	0.00000001	0.00015491
36	Yes	7	0.00000001	0.00012628
37	Yes	7	0.00000001	0.00015722
38	Yes	7	0.00000001	0.00015546
39	Yes	6	0.00000001	0.00054834
40	Yes	5	0.00000001	0.00061182
41	Yes	5	0.00000001	0.00072606
42	Yes	5	0.00000001	0.00022773
43	Yes	5	0.00000001	0.00065569
44	Yes	5	0.00000001	0.00089953
45	Yes	6	0.00000001	0.00054653
46	Yes	5	0.00000001	0.00089981
47	Yes	5	0.00000001	0.00065571
48	Yes	5	0.00000001	0.00022773
49	Yes	5	0.00000001	0.00072588
50	Yes	5	0.00000001	0.00061175

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 145	25.201	39	1.6426	0.0168
L2	145 - 140	23.490	39	1.6217	0.0150
L3	140 - 135	21.816	39	1.5699	0.0134
L4	135 - 133	20.212	39	1.4903	0.0120
L5	133 - 132.75	19.596	39	1.4478	0.0107
L6	132.75 - 127.75	19.521	39	1.4453	0.0106
L7	127.75 - 123.75	18.036	39	1.3880	0.0092
L8	123.75 - 123.5	16.896	39	1.3314	0.0078
L9	123.5 - 118.75	16.827	39	1.3276	0.0077
L10	118.75 - 118.5	15.528	39	1.2822	0.0068
L11	118.5 - 117	15.461	39	1.2803	0.0068
L12	117 - 116.75	15.061	39	1.2685	0.0066
L13	116.75 - 111.75	14.995	39	1.2658	0.0066
L14	111.75 - 106.75	13.699	39	1.2080	0.0058
L15	106.75 - 101.75	12.467	39	1.1448	0.0050
L16	101.75 - 95.167	11.304	39	1.0758	0.0043
L17	99.5 - 94.5	10.805	50	1.0439	0.0041
L18	94.5 - 93.75	9.729	50	1.0055	0.0037
L19	93.75 - 93.5	9.572	50	0.9958	0.0037
L20	93.5 - 92.75	9.520	50	0.9929	0.0037
L21	92.75 - 92.5	9.365	50	0.9843	0.0036
L22	92.5 - 91.25	9.313	50	0.9819	0.0036
L23	91.25 - 91	9.058	50	0.9700	0.0035
L24	91 - 89.25	9.007	50	0.9675	0.0035
L25	89.25 - 89	8.656	50	0.9508	0.0034
L26	89 - 85.75	8.606	50	0.9486	0.0033
L27	85.75 - 85.5	7.971	50	0.9186	0.0032
L28	85.5 - 80.5	7.923	50	0.9155	0.0031
L29	80.5 - 75.5	6.997	50	0.8524	0.0028
L30	75.5 - 70.5	6.138	50	0.7877	0.0024
L31	70.5 - 68.083	5.348	50	0.7216	0.0021
L32	68.083 - 67.833	4.991	50	0.6898	0.0020
L33	67.833 - 67	4.955	50	0.6867	0.0020
L34	67 - 66.75	4.836	50	0.6765	0.0019
L35	66.75 - 63.25	4.801	50	0.6740	0.0019
L36	63.25 - 63	4.319	50	0.6386	0.0018
L37	63 - 59.5	4.286	50	0.6364	0.0018

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L38	59.5 - 59.25	3.831	50	0.6053	0.0016
L39	59.25 - 56.25	3.799	50	0.6032	0.0016
L40	56.25 - 56	3.428	50	0.5773	0.0015
L41	56 - 55.75	3.398	50	0.5749	0.0015
L42	55.75 - 50.75	3.368	50	0.5719	0.0015
L43	50.75 - 44.667	2.801	50	0.5116	0.0013
L44	50 - 43.667	2.721	50	0.5025	0.0013
L45	43.667 - 38.667	2.080	50	0.4591	0.0011
L46	38.667 - 34.5	1.630	50	0.4005	0.0009
L47	34.5 - 34.25	1.302	50	0.3520	0.0008
L48	34.25 - 33	1.284	50	0.3497	0.0008
L49	33 - 32.75	1.194	50	0.3385	0.0008
L50	32.75 - 29.75	1.176	50	0.3362	0.0008
L51	29.75 - 29.5	0.973	50	0.3087	0.0007
L52	29.5 - 25	0.957	50	0.3065	0.0007
L53	25 - 24.75	0.687	50	0.2667	0.0006
L54	24.75 - 19.75	0.673	50	0.2640	0.0006
L55	19.75 - 14.75	0.426	50	0.2091	0.0004
L56	14.75 - 14.5	0.236	50	0.1540	0.0003
L57	14.5 - 14.25	0.228	50	0.1512	0.0003
L58	14.25 - 12.25	0.220	50	0.1485	0.0003
L59	12.25 - 12	0.162	50	0.1268	0.0003
L60	12 - 11.5	0.155	50	0.1240	0.0003
L61	11.5 - 11.25	0.143	50	0.1184	0.0002
L62	11.25 - 9.25	0.137	50	0.1159	0.0002
L63	9.25 - 9	0.092	50	0.0959	0.0002
L64	9 - 4.5	0.087	50	0.0933	0.0002
L65	4.5 - 4.25	0.022	50	0.0459	0.0001
L66	4.25 - 3	0.019	50	0.0434	0.0001
L67	3 - 2.75	0.010	50	0.0309	0.0001
L68	2.75 - 0	0.008	50	0.0283	0.0001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.0000	(2) BSF0020F3V1	39	25.201	1.6426	0.0168	7728
140.0000	Platform Mount (LP 101-1)	39	21.816	1.5699	0.0134	4372
135.0000	AIR 6419 B77G_CCIV3 w/ Mount Pipe	39	20.212	1.4903	0.0120	3352
128.0000	AIR6449 B41_T-MOBILE	39	18.109	1.3913	0.0092	4506
108.0000	MX08FRO665-21 w/ Mount Pipe	39	12.769	1.1610	0.0052	4454

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 145	111.264	2	7.2556	0.0728
L2	145 - 140	103.723	2	7.1637	0.0647
L3	140 - 135	96.351	2	6.9351	0.0580
L4	135 - 133	89.279	2	6.5836	0.0520
L5	133 - 132.75	86.566	2	6.3973	0.0460

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L6	132.75 - 127.75	86.232	2	6.3865	0.0457
L7	127.75 - 123.75	79.685	2	6.1346	0.0396
L8	123.75 - 123.5	74.657	2	5.8856	0.0335
L9	123.5 - 118.75	74.350	2	5.8689	0.0331
L10	118.75 - 118.5	68.620	2	5.6687	0.0294
L11	118.5 - 117	68.323	2	5.6602	0.0293
L12	117 - 116.75	66.556	2	5.6082	0.0285
L13	116.75 - 111.75	66.264	2	5.5965	0.0283
L14	111.75 - 106.75	60.544	2	5.3417	0.0248
L15	106.75 - 101.75	55.103	2	5.0627	0.0216
L16	101.75 - 95.167	49.967	2	4.7581	0.0187
L17	99.5 - 94.5	47.760	2	4.6169	0.0174
L18	94.5 - 93.75	43.010	2	4.4475	0.0161
L19	93.75 - 93.5	42.316	2	4.4044	0.0158
L20	93.5 - 92.75	42.086	2	4.3917	0.0157
L21	92.75 - 92.5	41.400	2	4.3538	0.0154
L22	92.5 - 91.25	41.172	2	4.3433	0.0154
L23	91.25 - 91	40.043	2	4.2904	0.0150
L24	91 - 89.25	39.819	2	4.2797	0.0149
L25	89.25 - 89	38.266	2	4.2058	0.0145
L26	89 - 85.75	38.046	2	4.1958	0.0144
L27	85.75 - 85.5	35.238	2	4.0631	0.0136
L28	85.5 - 80.5	35.025	2	4.0496	0.0135
L29	80.5 - 75.5	30.934	2	3.7708	0.0119
L30	75.5 - 70.5	27.138	2	3.4847	0.0105
L31	70.5 - 68.083	23.645	2	3.1920	0.0091
L32	68.083 - 67.833	22.065	2	3.0515	0.0085
L33	67.833 - 67	21.906	2	3.0378	0.0084
L34	67 - 66.75	21.380	2	2.9925	0.0083
L35	66.75 - 63.25	21.224	2	2.9816	0.0082
L36	63.25 - 63	19.097	2	2.8248	0.0076
L37	63 - 59.5	18.949	2	2.8151	0.0075
L38	59.5 - 59.25	16.937	2	2.6775	0.0070
L39	59.25 - 56.25	16.797	2	2.6681	0.0070
L40	56.25 - 56	15.158	2	2.5536	0.0066
L41	56 - 55.75	15.024	2	2.5429	0.0065
L42	55.75 - 50.75	14.892	2	2.5297	0.0065
L43	50.75 - 44.667	12.384	24	2.2629	0.0056
L44	50 - 43.667	12.032	24	2.2227	0.0054
L45	43.667 - 38.667	9.197	24	2.0305	0.0048
L46	38.667 - 34.5	7.207	24	1.7714	0.0041
L47	34.5 - 34.25	5.756	24	1.5566	0.0035
L48	34.25 - 33	5.675	24	1.5465	0.0035
L49	33 - 32.75	5.276	24	1.4968	0.0033
L50	32.75 - 29.75	5.198	24	1.4868	0.0033
L51	29.75 - 29.5	4.302	24	1.3649	0.0030
L52	29.5 - 25	4.231	24	1.3553	0.0030
L53	25 - 24.75	3.037	24	1.1793	0.0025
L54	24.75 - 19.75	2.976	24	1.1673	0.0025
L55	19.75 - 14.75	1.881	24	0.9246	0.0019
L56	14.75 - 14.5	1.041	24	0.6806	0.0014
L57	14.5 - 14.25	1.006	24	0.6685	0.0014
L58	14.25 - 12.25	0.971	24	0.6565	0.0013
L59	12.25 - 12	0.716	24	0.5606	0.0011
L60	12 - 11.5	0.687	24	0.5481	0.0011
L61	11.5 - 11.25	0.631	24	0.5233	0.0010
L62	11.25 - 9.25	0.604	24	0.5124	0.0010
L63	9.25 - 9	0.408	24	0.4240	0.0008
L64	9 - 4.5	0.386	24	0.4126	0.0008
L65	4.5 - 4.25	0.096	24	0.2029	0.0004
L66	4.25 - 3	0.086	24	0.1917	0.0004
L67	3 - 2.75	0.043	24	0.1364	0.0003

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L68	2.75 - 0	0.036	24	0.1251	0.0002

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.0000	(2) BSF0020F3V1	2	111.264	7.2556	0.0728	1805
140.0000	Platform Mount (LP 101-1)	2	96.351	6.9351	0.0580	1019
135.0000	AIR 6419 B77G_CCIV3 w/ Mount Pipe	2	89.279	6.5836	0.0520	781
128.0000	AIR6449 B41_T-MOBILE	2	80.006	6.1490	0.0399	1048
108.0000	MX08FRO665-21 w/ Mount Pipe	2	56.436	5.1339	0.0224	1024

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	150 - 145 (1)	TP16.9374x16x0.1875	5.0000	0.0000	0.0	10.1127	-3.56	591.60	0.006
L2	145 - 140 (2)	TP17.8748x16.9374x0.1875	5.0000	0.0000	0.0	10.6787	-3.79	624.70	0.006
L3	140 - 135 (3)	TP18.8122x17.8748x0.1875	5.0000	0.0000	0.0	11.2446	-6.31	657.81	0.010
L4	135 - 133 (4)	TP19.1871x18.8122x0.1875	2.0000	0.0000	0.0	11.4710	-8.19	671.05	0.012
L5	133 - 132.75 (5)	TP19.234x19.1871x0.45	0.2500	0.0000	0.0	27.2180	-8.23	1592.25	0.005
L6	132.75 - 127.75 (6)	TP20.1714x19.234x0.4375	5.0000	0.0000	0.0	27.8001	-12.69	1626.31	0.008
L7	127.75 - 123.75 (7)	TP20.9213x20.1714x0.425	4.0000	0.0000	0.0	28.0492	-13.28	1640.88	0.008
L8	123.75 - 123.5 (8)	TP20.9682x20.9213x0.425	0.2500	0.0000	0.0	28.1133	-13.33	1644.63	0.008
L9	123.5 - 118.75 (9)	TP21.8587x20.9682x0.7625	4.7500	0.0000	0.0	51.7964	-14.35	3030.09	0.005
L10	118.75 - 118.5 (10)	TP21.9056x21.8587x1.0375	0.2500	0.0000	0.0	69.7150	-14.43	4078.33	0.004
L11	118.5 - 117 (11)	TP22.1868x21.9056x1.0125	1.5000	0.0000	0.0	69.0335	-14.83	4038.46	0.004
L12	117 - 116.75 (12)	TP22.2337x22.1868x0.75	0.2500	0.0000	0.0	51.8830	-14.90	3035.16	0.005
L13	116.75 - 111.75 (13)	TP23.171x22.2337x0.7125	5.0000	0.0000	0.0	51.5255	-16.01	3014.24	0.005
L14	111.75 - 106.75 (14)	TP24.1084x23.171x0.6875	5.0000	0.0000	0.0	51.8481	-20.11	3033.11	0.007
L15	106.75 - 101.75 (15)	TP25.0458x24.1084x0.6625	5.0000	0.0000	0.0	52.0157	-21.31	3042.92	0.007
L16	101.75 - 95.167 (16)	TP26.28x25.0458x0.6625	6.5830	0.0000	0.0	52.9156	-21.86	3095.56	0.007
L17	95.167 - 94.5 (17)	TP26.0307x25.0927x0.7875	5.0000	0.0000	0.0	64.0105	-24.09	3744.61	0.006
L18	94.5 - 93.75	TP26.1714x26.0307x0.7875	0.7500	0.0000	0.0	64.3673	-24.31	3765.49	0.006

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
	(18)								
L19	93.75 - 93.5 (19)	TP26.2183x26.1714x0.9125	0.2500	0.0000	0.0	74.3549	-24.39	4349.76	0.006
L20	93.5 - 92.75 (20)	TP26.359x26.2183x0.9125	0.7500	0.0000	0.0	74.7683	-24.63	4373.94	0.006
L21	92.75 - 92.5 (21)	TP26.4059x26.359x1.1375	0.2500	0.0000	0.0	92.5520	-24.73	5414.29	0.005
L22	92.5 - 91.25 (22)	TP26.6405x26.4059x1.1125	1.2500	0.0000	0.0	91.4475	-25.19	5349.68	0.005
L23	91.25 - 91 (23)	TP26.6874x26.6405x1.1125	0.2500	0.0000	0.0	91.6155	-25.30	5359.51	0.005
L24	91 - 89.25 (24)	TP27.0157x26.6874x1.1125	1.7500	0.0000	0.0	92.7917	-25.94	5428.31	0.005
L25	89.25 - 89 (25)	TP27.0626x27.0157x1.2125	0.2500	0.0000	0.0	100.925 0	-26.06	5904.12	0.004
L26	89 - 85.75 (26)	TP27.6723x27.0626x1.1875	3.2500	0.0000	0.0	101.271 0	-27.37	5924.37	0.005
L27	85.75 - 85.5 (27)	TP27.7192x27.6723x0.8625	0.2500	0.0000	0.0	74.5878	-27.46	4363.39	0.006
L28	85.5 - 80.5 (28)	TP28.6573x27.7192x0.8375	5.0000	0.0000	0.0	75.0230	-29.09	4388.85	0.007
L29	80.5 - 75.5 (29)	TP29.5954x28.6573x0.8125	5.0000	0.0000	0.0	75.3031	-30.75	4405.23	0.007
L30	75.5 - 70.5 (30)	TP30.5334x29.5954x0.7875	5.0000	0.0000	0.0	75.4282	-32.44	4412.55	0.007
L31	70.5 - 68.083 (31)	TP30.9869x30.5334x0.7875	2.4170	0.0000	0.0	76.5781	-33.27	4479.82	0.007
L32	68.083 - 67.833 (32)	TP31.0338x30.9869x0.8375	0.2500	0.0000	0.0	81.4318	-33.37	4763.76	0.007
L33	67.833 - 67 (33)	TP31.1901x31.0338x0.8375	0.8330	0.0000	0.0	81.8533	-33.67	4788.42	0.007
L34	67 - 66.75 (34)	TP31.237x31.1901x1.0625	0.2500	0.0000	0.0	103.234 0	-33.78	6039.21	0.006
L35	66.75 - 63.25 (35)	TP31.8936x31.237x1.0375	3.5000	0.0000	0.0	103.083 0	-35.28	6030.33	0.006
L36	63.25 - 63 (36)	TP31.9405x31.8936x1.2125	0.2500	0.0000	0.0	119.970 0	-35.41	7018.23	0.005
L37	63 - 59.5 (37)	TP32.5971x31.9405x1.1875	3.5000	0.0000	0.0	120.103 0	-37.10	7026.00	0.005
L38	59.5 - 59.25 (38)	TP32.6441x32.5971x1.2375	0.2500	0.0000	0.0	125.147 0	-37.24	7321.11	0.005
L39	59.25 - 56.25 (39)	TP33.2069x32.6441x1.2125	3.0000	0.0000	0.0	124.914 0	-38.74	7307.47	0.005
L40	56.25 - 56 (40)	TP33.2538x33.2069x1.0625	0.2500	0.0000	0.0	110.134 0	-38.86	6442.87	0.006
L41	56 - 55.75 (41)	TP33.3007x33.2538x0.8375	0.2500	0.0000	0.0	87.5451	-38.96	5121.39	0.008
L42	55.75 - 50.75 (42)	TP34.2388x33.3007x0.825	5.0000	0.0000	0.0	88.7636	-40.89	5192.67	0.008
L43	50.75 - 44.667 (43)	TP35.38x34.2388x0.8125	6.0830	0.0000	0.0	87.8196	-41.19	5137.44	0.008
L44	44.667 - 43.667 (44)	TP34.942x33.7545x0.875	6.3330	0.0000	0.0	95.9837	-45.57	5615.05	0.008
L45	43.667 - 38.667 (45)	TP35.8795x34.942x0.8625	5.0000	0.0000	0.0	97.2510	-47.70	5689.18	0.008
L46	38.667 - 34.5 (46)	TP36.6609x35.8795x0.85	4.1670	0.0000	0.0	98.0144	-49.49	5733.84	0.009
L47	34.5 - 34.25 (47)	TP36.7078x36.6609x1.1	0.2500	0.0000	0.0	126.123 0	-49.64	7378.18	0.007
L48	34.25 - 33 (48)	TP36.9421x36.7078x1.1	1.2500	0.0000	0.0	126.953 0	-50.28	7426.74	0.007
L49	33 - 32.75 (49)	TP36.989x36.9421x1.1	0.2500	0.0000	0.0	127.119 0	-50.43	7436.46	0.007
L50	32.75 - 29.75 (50)	TP37.5516x36.989x1.075	3.0000	0.0000	0.0	126.264 0	-52.01	7386.42	0.007
L51	29.75 - 29.5 (51)	TP37.5984x37.5516x1.125	0.2500	0.0000	0.0	132.125 0	-52.15	7729.31	0.007
L52	29.5 - 25 (52)	TP38.4422x37.5984x1.1	4.5000	0.0000	0.0	132.266	-54.60	7737.57	0.007

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
						0			
L53	25 - 24.75 (53)	TP38.4891x38.4422x0.8625	0.2500	0.0000	0.0	104.4990	-54.73	6113.16	0.009
L54	24.75 - 19.75 (54)	TP39.4267x38.4891x0.85	5.0000	0.0000	0.0	105.5840	-57.01	6176.68	0.009
L55	19.75 - 14.75 (55)	TP40.3642x39.4267x0.825	5.0000	0.0000	0.0	105.0360	-59.34	6144.60	0.010
L56	14.75 - 14.5 (56)	TP40.4111x40.3642x0.825	0.2500	0.0000	0.0	105.1600	-59.46	6151.89	0.010
L57	14.5 - 14.25 (57)	TP40.458x40.4111x0.825	0.2500	0.0000	0.0	105.2850	-59.58	6159.17	0.010
L58	14.25 - 12.25 (58)	TP40.833x40.458x0.825	2.0000	0.0000	0.0	106.2810	-60.51	6217.45	0.010
L59	12.25 - 12 (59)	TP40.8799x40.833x0.7875	0.2500	0.0000	0.0	101.6640	-60.64	5947.36	0.010
L60	12 - 11.5 (60)	TP40.9736x40.8799x0.7875	0.5000	0.0000	0.0	101.9020	-60.87	5961.27	0.010
L61	11.5 - 11.25 (61)	TP41.0205x40.9736x0.9	0.2500	0.0000	0.0	116.2690	-61.00	6801.75	0.009
L62	11.25 - 9.25 (62)	TP41.3955x41.0205x0.8875	2.0000	0.0000	0.0	115.7620	-61.98	6772.07	0.009
L63	9.25 - 9 (63)	TP41.4424x41.3955x0.85	0.2500	0.0000	0.0	111.1010	-62.11	6499.43	0.010
L64	9 - 4.5 (64)	TP42.2862x41.4424x0.825	4.5000	0.0000	0.0	110.1420	-64.17	6443.29	0.010
L65	4.5 - 4.25 (65)	TP42.3331x42.2862x0.85	0.2500	0.0000	0.0	113.5390	-64.31	6642.04	0.010
L66	4.25 - 3 (66)	TP42.5675x42.3331x0.85	1.2500	0.0000	0.0	113.5390	-64.33	6642.04	0.010
L67	3 - 2.75 (67)	TP42.6143x42.5675x0.8375	0.2500	0.0000	0.0	112.5350	-64.92	6583.31	0.010
L68	2.75 - 0 (68)	TP43.13x42.6143x0.825	2.7500	0.0000	0.0	111.0130	-65.05	6494.28	0.010

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	150 - 145 (1)	TP16.9374x16x0.1875	42.52	246.96	0.172	0.00	246.96	0.000
L2	145 - 140 (2)	TP17.8748x16.9374x0.1875	85.26	270.48	0.315	0.00	270.48	0.000
L3	140 - 135 (3)	TP18.8122x17.8748x0.1875	144.46	294.47	0.491	0.00	294.47	0.000
L4	135 - 133 (4)	TP19.1871x18.8122x0.1875	183.99	304.18	0.605	0.00	304.18	0.000
L5	133 - 132.75 (5)	TP19.234x19.1871x0.45	187.99	755.73	0.249	0.00	755.73	0.000
L6	132.75 - 127.75 (6)	TP20.1714x19.234x0.4375	270.14	812.34	0.333	0.00	812.34	0.000
L7	127.75 - 123.75 (7)	TP20.9213x20.1714x0.425	353.77	852.48	0.415	0.00	852.48	0.000
L8	123.75 - 123.5 (8)	TP20.9682x20.9213x0.425	359.04	856.42	0.419	0.00	856.42	0.000
L9	123.5 - 118.75 (9)	TP21.8587x20.9682x0.7625	460.33	1596.19	0.288	0.00	1596.19	0.000
L10	118.75 - 118.5 (10)	TP21.9056x21.8587x1.0375	465.72	2097.68	0.222	0.00	2097.68	0.000
L11	118.5 - 117 (11)	TP22.1868x21.9056x1.0125	498.29	2111.47	0.236	0.00	2111.47	0.000
L12	117 - 116.75	TP22.2337x22.1868x0.75	503.65	1630.17	0.309	0.00	1630.17	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 $\frac{M_{uy}}{\phi M_{ny}}$
	(12)							
L13	116.75 - 111.75 (13)	TP23.171x22.2337x0.7125	613.80	1697.62	0.362	0.00	1697.62	0.000
L14	111.75 - 106.75 (14)	TP24.1084x23.171x0.6875	732.39	1785.56	0.410	0.00	1785.56	0.000
L15	106.75 - 101.75 (15)	TP25.0458x24.1084x0.6625	863.98	1868.90	0.462	0.00	1868.90	0.000
L16	101.75 - 95.167 (16)	TP26.28x25.0458x0.6625	923.96	1935.00	0.477	0.00	1935.00	0.000
L17	95.167 - 94.5 (17)	TP26.0307x25.0927x0.7875	1059.28	2371.68	0.447	0.00	2371.68	0.000
L18	94.5 - 93.75 (18)	TP26.1714x26.0307x0.7875	1079.82	2398.59	0.450	0.00	2398.59	0.000
L19	93.75 - 93.5 (19)	TP26.2183x26.1714x0.9125	1086.67	2748.82	0.395	0.00	2748.82	0.000
L20	93.5 - 92.75 (20)	TP26.359x26.2183x0.9125	1107.29	2780.01	0.398	0.00	2780.01	0.000
L21	92.75 - 92.5 (21)	TP26.4059x26.359x1.1375	1114.18	3387.21	0.329	0.00	3387.21	0.000
L22	92.5 - 91.25 (22)	TP26.6405x26.4059x1.1125	1148.71	3385.82	0.339	0.00	3385.82	0.000
L23	91.25 - 91 (23)	TP26.6874x26.6405x1.1125	1155.63	3398.53	0.340	0.00	3398.53	0.000
L24	91 - 89.25 (24)	TP27.0157x26.6874x1.1125	1204.31	3488.19	0.345	0.00	3488.19	0.000
L25	89.25 - 89 (25)	TP27.0626x27.0157x1.2125	1211.28	3771.86	0.321	0.00	3771.86	0.000
L26	89 - 85.75 (26)	TP27.6723x27.0626x1.1875	1302.66	3885.41	0.335	0.00	3885.41	0.000
L27	85.75 - 85.5 (27)	TP27.7192x27.6723x0.8625	1309.73	2937.61	0.446	0.00	2937.61	0.000
L28	85.5 - 80.5 (28)	TP28.6573x27.7192x0.8375	1452.55	3066.68	0.474	0.00	3066.68	0.000
L29	80.5 - 75.5 (29)	TP29.5954x28.6573x0.8125	1597.78	3190.50	0.501	0.00	3190.50	0.000
L30	75.5 - 70.5 (30)	TP30.5334x29.5954x0.7875	1745.39	3308.38	0.528	0.00	3308.38	0.000
L31	70.5 - 68.083 (31)	TP30.9869x30.5334x0.7875	1817.59	3411.33	0.533	0.00	3411.33	0.000
L32	68.083 - 67.833 (32)	TP31.0338x30.9869x0.8375	1825.09	3621.32	0.504	0.00	3621.32	0.000
L33	67.833 - 67 (33)	TP31.1901x31.0338x0.8375	1850.12	3659.42	0.506	0.00	3659.42	0.000
L34	67 - 66.75 (34)	TP31.237x31.1901x1.0625	1857.64	4554.45	0.408	0.00	4554.45	0.000
L35	66.75 - 63.25 (35)	TP31.8936x31.237x1.0375	1963.68	4657.63	0.422	0.00	4657.63	0.000
L36	63.25 - 63 (36)	TP31.9405x31.8936x1.2125	1971.31	5367.85	0.367	0.00	5367.85	0.000
L37	63 - 59.5 (37)	TP32.5971x31.9405x1.1875	2078.75	5501.74	0.378	0.00	5501.74	0.000
L38	59.5 - 59.25 (38)	TP32.6441x32.5971x1.2375	2086.47	5723.47	0.365	0.00	5723.47	0.000
L39	59.25 - 56.25 (39)	TP33.2069x32.6441x1.2125	2179.72	5828.17	0.374	0.00	5828.17	0.000
L40	56.25 - 56 (40)	TP33.2538x33.2069x1.0625	2187.53	5194.70	0.421	0.00	5194.70	0.000
L41	56 - 55.75 (41)	TP33.3007x33.2538x0.8375	2195.35	4193.37	0.524	0.00	4193.37	0.000
L42	55.75 - 50.75 (42)	TP34.2388x33.3007x0.825	2352.97	4380.96	0.537	0.00	4380.96	0.000
L43	50.75 - 44.667 (43)	TP35.38x34.2388x0.8125	2376.81	4356.30	0.546	0.00	4356.30	0.000
L44	44.667 - 43.667 (44)	TP34.942x33.7545x0.875	2580.78	4825.23	0.535	0.00	4825.23	0.000
L45	43.667 - 38.667 (45)	TP35.8795x34.942x0.8625	2744.62	5030.46	0.546	0.00	5030.46	0.000
L46	38.667 - 34.5 (46)	TP36.6609x35.8795x0.85	2882.76	5189.42	0.556	0.00	5189.42	0.000
L47	34.5 - 34.25 (47)	TP36.7078x36.6609x1.1	2891.09	6593.65	0.438	0.00	6593.65	0.000
L48	34.25 - 33 (48)	TP36.9421x36.7078x1.1	2932.84	6682.05	0.439	0.00	6682.05	0.000
L49	33 - 32.75 (49)	TP36.989x36.9421x1.1	2941.21	6699.80	0.439	0.00	6699.80	0.000
L50	32.75 - 29.75	TP37.5516x36.989x1.075	3042.03	6771.41	0.449	0.00	6771.41	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 $\frac{M_{uy}}{\phi M_{ny}}$
	(50)							
L51	29.75 - 29.5 (51)	TP37.5984x37.5516x1.125	3050.47	7075.71	0.431	0.00	7075.71	0.000
L52	29.5 - 25 (52)	TP38.4422x37.5984x1.1	3203.30	7261.77	0.441	0.00	7261.77	0.000
L53	25 - 24.75 (53)	TP38.4891x38.4422x0.8625	3211.83	5817.87	0.552	0.00	5817.87	0.000
L54	24.75 - 19.75 (54)	TP39.4267x38.4891x0.85	3383.57	6031.98	0.561	0.00	6031.98	0.000
L55	19.75 - 14.75 (55)	TP40.3642x39.4267x0.825	3556.97	6157.42	0.578	0.00	6157.42	0.000
L56	14.75 - 14.5 (56)	TP40.4111x40.3642x0.825	3565.68	6172.18	0.578	0.00	6172.18	0.000
L57	14.5 - 14.25 (57)	TP40.458x40.4111x0.825	3574.40	6186.96	0.578	0.00	6186.96	0.000
L58	14.25 - 12.25 (58)	TP40.833x40.458x0.825	3644.25	6305.80	0.578	0.00	6305.80	0.000
L59	12.25 - 12 (59)	TP40.8799x40.833x0.7875	3653.00	6050.39	0.604	0.00	6050.39	0.000
L60	12 - 11.5 (60)	TP40.9736x40.8799x0.7875	3670.51	6078.99	0.604	0.00	6078.99	0.000
L61	11.5 - 11.25 (61)	TP41.0205x40.9736x0.9	3679.27	6905.54	0.533	0.00	6905.54	0.000
L62	11.25 - 9.25 (62)	TP41.3955x41.0205x0.8875	3749.55	6945.37	0.540	0.00	6945.37	0.000
L63	9.25 - 9 (63)	TP41.4424x41.3955x0.85	3758.37	6685.98	0.562	0.00	6685.98	0.000
L64	9 - 4.5 (64)	TP42.2862x41.4424x0.825	3918.03	6777.01	0.578	0.00	6777.01	0.000
L65	4.5 - 4.25 (65)	TP42.3331x42.2862x0.85	3926.95	6985.69	0.562	0.00	6985.69	0.000
L66	4.25 - 3 (66)	TP42.5675x42.3331x0.85	3926.95	6985.69	0.562	0.00	6985.69	0.000
L67	3 - 2.75 (67)	TP42.6143x42.5675x0.8375	3971.65	6968.00	0.570	0.00	6968.00	0.000
L68	2.75 - 0 (68)	TP43.13x42.6143x0.825	3980.60	6885.77	0.578	0.00	6885.77	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	150 - 145 (1)	TP16.9374x16x0.1875	8.34	177.48	0.047	1.46	261.49	0.006
L2	145 - 140 (2)	TP17.8748x16.9374x0.1875	8.73	187.41	0.047	0.56	291.58	0.002
L3	140 - 135 (3)	TP18.8122x17.8748x0.1875	12.03	197.34	0.061	0.63	323.30	0.002
L4	135 - 133 (4)	TP19.1871x18.8122x0.1875	15.98	201.32	0.079	4.24	336.45	0.013
L5	133 - 132.75 (5)	TP19.234x19.1871x0.45	16.00	477.68	0.033	4.24	789.26	0.005
L6	132.75 - 127.75 (6)	TP20.1714x19.234x0.4375	20.75	487.89	0.043	5.96	846.91	0.007
L7	127.75 - 123.75 (7)	TP20.9213x20.1714x0.425	21.08	492.26	0.043	5.96	887.51	0.007
L8	123.75 - 123.5 (8)	TP20.9682x20.9213x0.425	21.10	493.39	0.043	5.96	891.58	0.007
L9	123.5 - 118.75 (9)	TP21.8587x20.9682x0.7625	21.56	909.03	0.024	5.96	1686.87	0.004
L10	118.75 - 118.5 (10)	TP21.9056x21.8587x1.0375	21.58	1223.50	0.018	5.96	2245.88	0.003
L11	118.5 - 117 (11)	TP22.1868x21.9056x1.0125	21.76	1211.54	0.018	4.17	2256.55	0.002
L12	117 - 116.75 (12)	TP22.2337x22.1868x0.75	21.76	910.55	0.024	5.96	1720.72	0.003
L13	116.75 - 111.75 (13)	TP23.171x22.2337x0.7125	22.26	904.27	0.025	4.16	1786.41	0.002
L14	111.75 - 106.75 (14)	TP24.1084x23.171x0.6875	26.10	909.93	0.029	6.10	1874.62	0.003
L15	106.75 -	TP25.0458x24.1084x0.6625	26.56	912.88	0.029	6.10	1957.97	0.003

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 $\frac{T_u}{\phi T_n}$
	101.75 (15)							
L16	101.75 - 95.167 (16)	TP26.28x25.0458x0.6625	26.77	928.67	0.029	6.09	2026.29	0.003
L17	95.167 - 94.5 (17)	TP26.0307x25.0927x0.7875	27.36	1123.38	0.024	6.09	2494.44	0.002
L18	94.5 - 93.75 (18)	TP26.1714x26.0307x0.7875	27.44	1129.65	0.024	6.09	2522.32	0.002
L19	93.75 - 93.5 (19)	TP26.2183x26.1714x0.9125	27.46	1304.93	0.021	6.09	2904.73	0.002
L20	93.5 - 92.75 (20)	TP26.359x26.2183x0.9125	27.54	1312.18	0.021	6.09	2937.13	0.002
L21	92.75 - 92.5 (21)	TP26.4059x26.359x1.1375	27.56	1624.29	0.017	6.09	3610.28	0.002
L22	92.5 - 91.25 (22)	TP26.6405x26.4059x1.1125	27.70	1604.90	0.017	6.09	3603.83	0.002
L23	91.25 - 91 (23)	TP26.6874x26.6405x1.1125	27.72	1607.85	0.017	6.09	3617.09	0.002
L24	91 - 89.25 (24)	TP27.0157x26.6874x1.1125	27.92	1628.49	0.017	6.09	3710.56	0.002
L25	89.25 - 89 (25)	TP27.0626x27.0157x1.2125	27.94	1771.24	0.016	6.09	4027.53	0.002
L26	89 - 85.75 (26)	TP27.6723x27.0626x1.1875	28.31	1777.31	0.016	6.09	4140.57	0.001
L27	85.75 - 85.5 (27)	TP27.7192x27.6723x0.8625	28.32	1309.02	0.022	6.09	3092.42	0.002
L28	85.5 - 80.5 (28)	TP28.6573x27.7192x0.8375	28.82	1316.65	0.022	6.08	3222.00	0.002
L29	80.5 - 75.5 (29)	TP29.5954x28.6573x0.8125	29.30	1321.57	0.022	6.08	3345.98	0.002
L30	75.5 - 70.5 (30)	TP30.5334x29.5954x0.7875	29.77	1323.76	0.022	6.08	3463.68	0.002
L31	70.5 - 68.083 (31)	TP30.9869x30.5334x0.7875	30.00	1343.94	0.022	6.08	3570.09	0.002
L32	68.083 - 67.833 (32)	TP31.0338x30.9869x0.8375	30.01	1429.13	0.021	6.08	3795.98	0.002
L33	67.833 - 67 (33)	TP31.1901x31.0338x0.8375	30.10	1436.52	0.021	6.07	3835.38	0.002
L34	67 - 66.75 (34)	TP31.237x31.1901x1.0625	30.12	1811.76	0.017	6.07	4808.84	0.001
L35	66.75 - 63.25 (35)	TP31.8936x31.237x1.0375	30.50	1809.10	0.017	6.07	4910.24	0.001
L36	63.25 - 63 (36)	TP31.9405x31.8936x1.2125	30.51	2105.47	0.014	6.07	5690.93	0.001
L37	63 - 59.5 (37)	TP32.5971x31.9405x1.1875	30.90	2107.80	0.015	6.07	5823.62	0.001
L38	59.5 - 59.25 (38)	TP32.6441x32.5971x1.2375	30.92	2196.33	0.014	6.07	6067.63	0.001
L39	59.25 - 56.25 (39)	TP33.2069x32.6441x1.2125	31.26	2192.24	0.014	6.07	6169.67	0.001
L40	56.25 - 56 (40)	TP33.2538x33.2069x1.0625	31.27	1932.86	0.016	6.07	5473.17	0.001
L41	56 - 55.75 (41)	TP33.3007x33.2538x0.8375	31.30	1536.42	0.020	6.07	4387.32	0.001
L42	55.75 - 50.75 (42)	TP34.2388x33.3007x0.825	31.77	1557.80	0.020	6.07	4578.65	0.001
L43	50.75 - 44.667 (43)	TP35.38x34.2388x0.8125	31.83	1541.23	0.021	6.07	4550.73	0.001
L44	44.667 - 43.667 (44)	TP34.942x33.7545x0.875	32.58	1684.51	0.019	6.07	5047.87	0.001
L45	43.667 - 38.667 (45)	TP35.8795x34.942x0.8625	33.00	1706.76	0.019	6.06	5257.15	0.001
L46	38.667 - 34.5 (46)	TP36.6609x35.8795x0.85	33.34	1720.15	0.019	6.06	5418.53	0.001
L47	34.5 - 34.25 (47)	TP36.7078x36.6609x1.1	33.35	2213.45	0.015	6.06	6932.90	0.001
L48	34.25 - 33 (48)	TP36.9421x36.7078x1.1	33.48	2228.02	0.015	6.06	7024.47	0.001
L49	33 - 32.75 (49)	TP36.989x36.9421x1.1	33.48	2230.94	0.015	6.06	7042.86	0.001
L50	32.75 - 29.75 (50)	TP37.5516x36.989x1.075	33.76	2215.93	0.015	6.06	7109.99	0.001
L51	29.75 - 29.5 (51)	TP37.5984x37.5516x1.125	33.77	2318.79	0.015	6.06	7439.42	0.001
L52	29.5 - 25 (52)	TP38.4422x37.5984x1.1	34.18	2321.27	0.015	6.06	7624.76	0.001
L53	25 - 24.75 (53)	TP38.4891x38.4422x0.8625	34.18	1833.95	0.019	6.06	6069.91	0.001
L54	24.75 - 19.75	TP39.4267x38.4891x0.85	34.55	1853.00	0.019	6.06	6287.83	0.001

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
	(54)							
L55	19.75 - 14.75 (55)	TP40.3642x39.4267x0.825	34.86	1843.38	0.019	6.06	6411.25	0.001
L56	14.75 - 14.5 (56)	TP40.4111x40.3642x0.825	34.86	1845.57	0.019	6.06	6426.47	0.001
L57	14.5 - 14.25 (57)	TP40.458x40.4111x0.825	34.87	1847.75	0.019	6.06	6441.69	0.001
L58	14.25 - 12.25 (58)	TP40.833x40.458x0.825	35.01	1865.24	0.019	6.06	6564.17	0.001
L59	12.25 - 12 (59)	TP40.8799x40.833x0.7875	35.01	1784.21	0.020	6.06	6292.27	0.001
L60	12 - 11.5 (60)	TP40.9736x40.8799x0.7875	35.04	1788.38	0.020	6.06	6321.73	0.001
L61	11.5 - 11.25 (61)	TP41.0205x40.9736x0.9	35.05	2040.52	0.017	6.06	7201.25	0.001
L62	11.25 - 9.25 (62)	TP41.3955x41.0205x0.8875	35.28	2031.62	0.017	6.05	7239.08	0.001
L63	9.25 - 9 (63)	TP41.4424x41.3955x0.85	35.29	1949.83	0.018	6.05	6962.12	0.001
L64	9 - 4.5 (64)	TP42.2862x41.4424x0.825	35.71	1932.99	0.018	6.05	7049.70	0.001
L65	4.5 - 4.25 (65)	TP42.3331x42.2862x0.85	35.71	1992.61	0.018	6.05	7270.99	0.001
L66	4.25 - 3 (66)	TP42.5675x42.3331x0.85	35.85	2003.87	0.018	6.05	7270.99	0.001
L67	3 - 2.75 (67)	TP42.6143x42.5675x0.8375	35.84	1977.21	0.018	6.05	7249.59	0.001
L68	2.75 - 0 (68)	TP43.13x42.6143x0.825	35.99	1960.31	0.018	6.05	7161.73	0.001

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	150 - 145 (1)	0.006	0.172	0.000	0.047	0.006	0.181	1.050	
L2	145 - 140 (2)	0.006	0.315	0.000	0.047	0.002	0.324	1.050	
L3	140 - 135 (3)	0.010	0.491	0.000	0.061	0.002	0.504	1.050	
L4	135 - 133 (4)	0.012	0.605	0.000	0.079	0.013	0.626	1.050	
L5	133 - 132.75 (5)	0.005	0.249	0.000	0.033	0.005	0.255	1.050	
L6	132.75 - 127.75 (6)	0.008	0.333	0.000	0.043	0.007	0.343	1.050	
L7	127.75 - 123.75 (7)	0.008	0.415	0.000	0.043	0.007	0.426	1.050	
L8	123.75 - 123.5 (8)	0.008	0.419	0.000	0.043	0.007	0.430	1.050	
L9	123.5 - 118.75 (9)	0.005	0.288	0.000	0.024	0.004	0.294	1.050	
L10	118.75 - 118.5 (10)	0.004	0.222	0.000	0.018	0.003	0.226	1.050	
L11	118.5 - 117 (11)	0.004	0.236	0.000	0.018	0.002	0.240	1.050	
L12	117 - 116.75 (12)	0.005	0.309	0.000	0.024	0.003	0.315	1.050	
L13	116.75 - 111.75 (13)	0.005	0.362	0.000	0.025	0.002	0.368	1.050	
L14	111.75 - 106.75 (14)	0.007	0.410	0.000	0.029	0.003	0.418	1.050	
L15	106.75 - 101.75 (15)	0.007	0.462	0.000	0.029	0.003	0.470	1.050	
L16	101.75 - 95.167 (16)	0.007	0.477	0.000	0.029	0.003	0.486	1.050	
L17	95.167 - 94.5 (17)	0.006	0.447	0.000	0.024	0.002	0.454	1.050	

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
L18	94.5 - 93.75 (18)	0.006	0.450	0.000	0.024	0.002	0.457	1.050	
L19	93.75 - 93.5 (19)	0.006	0.395	0.000	0.021	0.002	0.401	1.050	
L20	93.5 - 92.75 (20)	0.006	0.398	0.000	0.021	0.002	0.404	1.050	
L21	92.75 - 92.5 (21)	0.005	0.329	0.000	0.017	0.002	0.334	1.050	
L22	92.5 - 91.25 (22)	0.005	0.339	0.000	0.017	0.002	0.344	1.050	
L23	91.25 - 91 (23)	0.005	0.340	0.000	0.017	0.002	0.345	1.050	
L24	91 - 89.25 (24)	0.005	0.345	0.000	0.017	0.002	0.350	1.050	
L25	89.25 - 89 (25)	0.004	0.321	0.000	0.016	0.002	0.326	1.050	
L26	89 - 85.75 (26)	0.005	0.335	0.000	0.016	0.001	0.340	1.050	
L27	85.75 - 85.5 (27)	0.006	0.446	0.000	0.022	0.002	0.453	1.050	
L28	85.5 - 80.5 (28)	0.007	0.474	0.000	0.022	0.002	0.481	1.050	
L29	80.5 - 75.5 (29)	0.007	0.501	0.000	0.022	0.002	0.508	1.050	
L30	75.5 - 70.5 (30)	0.007	0.528	0.000	0.022	0.002	0.536	1.050	
L31	70.5 - 68.083 (31)	0.007	0.533	0.000	0.022	0.002	0.541	1.050	
L32	68.083 - 67.833 (32)	0.007	0.504	0.000	0.021	0.002	0.512	1.050	
L33	67.833 - 67 (33)	0.007	0.506	0.000	0.021	0.002	0.513	1.050	
L34	67 - 66.75 (34)	0.006	0.408	0.000	0.017	0.001	0.414	1.050	
L35	66.75 - 63.25 (35)	0.006	0.422	0.000	0.017	0.001	0.428	1.050	
L36	63.25 - 63 (36)	0.005	0.367	0.000	0.014	0.001	0.373	1.050	
L37	63 - 59.5 (37)	0.005	0.378	0.000	0.015	0.001	0.383	1.050	
L38	59.5 - 59.25 (38)	0.005	0.365	0.000	0.014	0.001	0.370	1.050	
L39	59.25 - 56.25 (39)	0.005	0.374	0.000	0.014	0.001	0.380	1.050	
L40	56.25 - 56 (40)	0.006	0.421	0.000	0.016	0.001	0.427	1.050	
L41	56 - 55.75 (41)	0.008	0.524	0.000	0.020	0.001	0.532	1.050	
L42	55.75 - 50.75 (42)	0.008	0.537	0.000	0.020	0.001	0.545	1.050	
L43	50.75 - 44.667 (43)	0.008	0.546	0.000	0.021	0.001	0.554	1.050	
L44	44.667 - 43.667 (44)	0.008	0.535	0.000	0.019	0.001	0.543	1.050	
L45	43.667 - 38.667 (45)	0.008	0.546	0.000	0.019	0.001	0.554	1.050	
L46	38.667 - 34.5 (46)	0.009	0.556	0.000	0.019	0.001	0.565	1.050	
L47	34.5 - 34.25 (47)	0.007	0.438	0.000	0.015	0.001	0.445	1.050	
L48	34.25 - 33 (48)	0.007	0.439	0.000	0.015	0.001	0.446	1.050	
L49	33 - 32.75 (49)	0.007	0.439	0.000	0.015	0.001	0.446	1.050	
L50	32.75 - 29.75 (50)	0.007	0.449	0.000	0.015	0.001	0.457	1.050	
L51	29.75 - 29.5 (51)	0.007	0.431	0.000	0.015	0.001	0.438	1.050	
L52	29.5 - 25 (52)	0.007	0.441	0.000	0.015	0.001	0.448	1.050	
L53	25 - 24.75 (53)	0.009	0.552	0.000	0.019	0.001	0.561	1.050	
L54	24.75 - 19.75 (54)	0.009	0.561	0.000	0.019	0.001	0.571	1.050	
L55	19.75 - 14.75 (55)	0.010	0.578	0.000	0.019	0.001	0.588	1.050	
L56	14.75 - 14.5 (56)	0.010	0.578	0.000	0.019	0.001	0.588	1.050	

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
L57	14.5 - 14.25 (57)	0.010	0.578	0.000	0.019	0.001	0.588	1.050	
L58	14.25 - 12.25 (58)	0.010	0.578	0.000	0.019	0.001	0.588	1.050	
L59	12.25 - 12 (59)	0.010	0.604	0.000	0.020	0.001	0.614	1.050	
L60	12 - 11.5 (60)	0.010	0.604	0.000	0.020	0.001	0.614	1.050	
L61	11.5 - 11.25 (61)	0.009	0.533	0.000	0.017	0.001	0.542	1.050	
L62	11.25 - 9.25 (62)	0.009	0.540	0.000	0.017	0.001	0.549	1.050	
L63	9.25 - 9 (63)	0.010	0.562	0.000	0.018	0.001	0.572	1.050	
L64	9 - 4.5 (64)	0.010	0.578	0.000	0.018	0.001	0.588	1.050	
L65	4.5 - 4.25 (65)	0.010	0.562	0.000	0.018	0.001	0.572	1.050	
L66	4.25 - 3 (66)	0.010	0.562	0.000	0.018	0.001	0.572	1.050	
L67	3 - 2.75 (67)	0.010	0.570	0.000	0.018	0.001	0.580	1.050	
L68	2.75 - 0 (68)	0.010	0.578	0.000	0.018	0.001	0.588	1.050	

Section Capacity Table

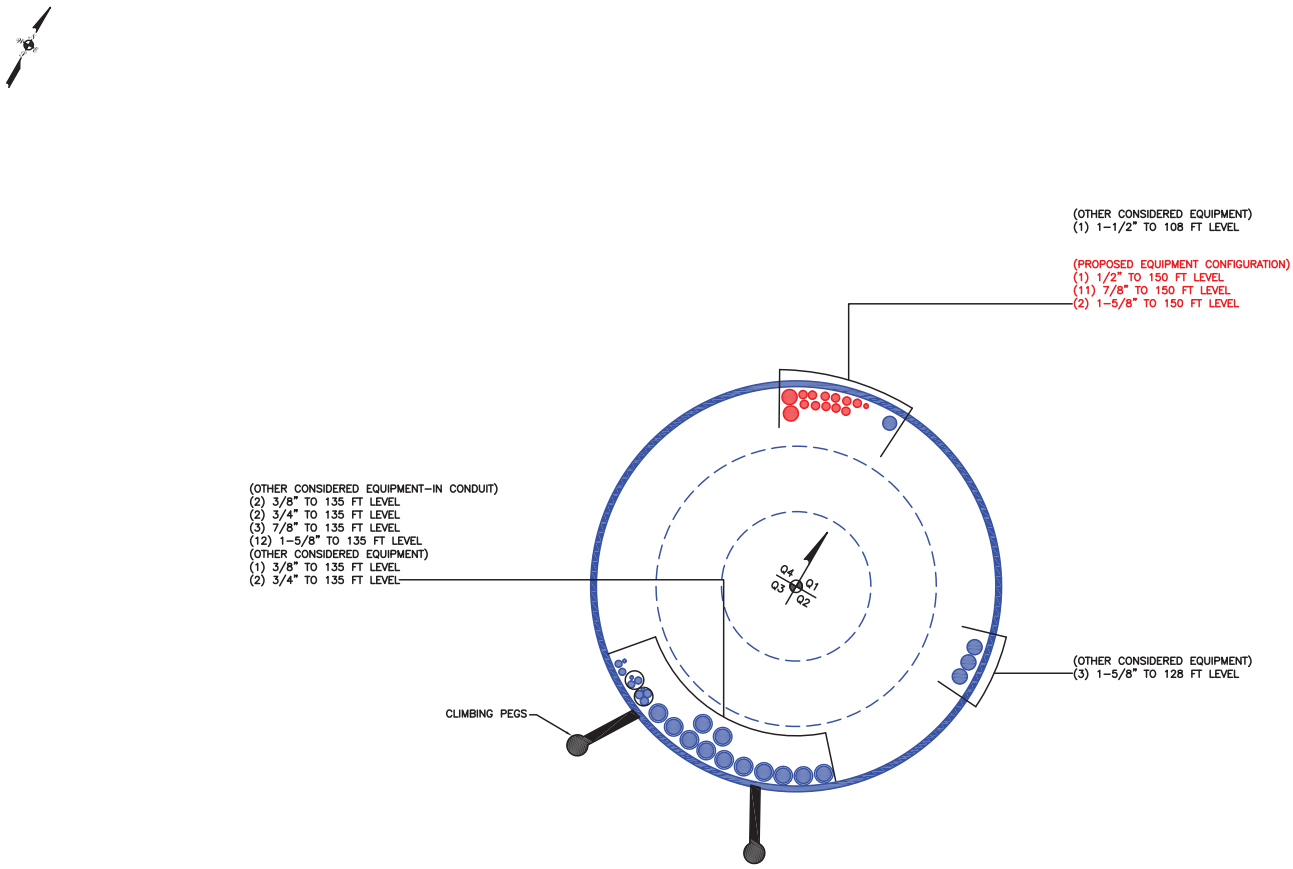
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	150 - 145	Pole	TP16.9374x16x0.1875	1	-3.56	621.18	17.2	Pass
L2	145 - 140	Pole	TP17.8748x16.9374x0.1875	2	-3.79	655.94	30.8	Pass
L3	140 - 135	Pole	TP18.8122x17.8748x0.1875	3	-6.31	690.70	48.0	Pass
L4	135 - 133	Pole	TP19.1871x18.8122x0.1875	4	-8.19	704.61	59.6	Pass
L5	133 - 132.75	Pole	TP19.234x19.1871x0.45	5	-8.23	1671.86	24.3	Pass
L6	132.75 - 127.75	Pole	TP20.1714x19.234x0.4375	6	-12.69	1707.63	32.6	Pass
L7	127.75 - 123.75	Pole	TP20.9213x20.1714x0.425	7	-13.28	1722.92	40.5	Pass
L8	123.75 - 123.5	Pole	TP20.9682x20.9213x0.425	8	-13.33	1726.86	40.9	Pass
L9	123.5 - 118.75	Pole	TP21.8587x20.9682x0.7625	9	-14.35	3181.59	28.0	Pass
L10	118.75 - 118.5	Pole	TP21.9056x21.8587x1.0375	10	-14.43	4282.25	21.5	Pass
L11	118.5 - 117	Pole	TP22.1868x21.9056x1.0125	11	-14.83	4240.38	22.9	Pass
L12	117 - 116.75	Pole	TP22.2337x22.1868x0.75	12	-14.90	3186.92	30.0	Pass
L13	116.75 - 111.75	Pole	TP23.171x22.2337x0.7125	13	-16.01	3164.95	35.0	Pass
L14	111.75 - 106.75	Pole	TP24.1084x23.171x0.6875	14	-20.11	3184.77	39.8	Pass
L15	106.75 - 101.75	Pole	TP25.0458x24.1084x0.6625	15	-21.31	3195.07	44.8	Pass
L16	101.75 - 95.167	Pole	TP26.28x25.0458x0.6625	16	-21.86	3250.34	46.2	Pass
L17	95.167 - 94.5	Pole	TP26.0307x25.0927x0.7875	17	-24.09	3931.84	43.2	Pass
L18	94.5 - 93.75	Pole	TP26.1714x26.0307x0.7875	18	-24.31	3953.76	43.6	Pass
L19	93.75 - 93.5	Pole	TP26.2183x26.1714x0.9125	19	-24.39	4567.25	38.2	Pass
L20	93.5 - 92.75	Pole	TP26.359x26.2183x0.9125	20	-24.63	4592.64	38.5	Pass
L21	92.75 - 92.5	Pole	TP26.4059x26.359x1.1375	21	-24.73	5685.00	31.8	Pass
L22	92.5 - 91.25	Pole	TP26.6405x26.4059x1.1125	22	-25.19	5617.16	32.8	Pass
L23	91.25 - 91	Pole	TP26.6874x26.6405x1.1125	23	-25.30	5627.48	32.9	Pass
L24	91 - 89.25	Pole	TP27.0157x26.6874x1.1125	24	-25.94	5699.73	33.4	Pass
L25	89.25 - 89	Pole	TP27.0626x27.0157x1.2125	25	-26.06	6199.33	31.0	Pass
L26	89 - 85.75	Pole	TP27.6723x27.0626x1.1875	26	-27.37	6220.59	32.4	Pass
L27	85.75 - 85.5	Pole	TP27.7192x27.6723x0.8625	27	-27.46	4581.56	43.1	Pass
L28	85.5 - 80.5	Pole	TP28.6573x27.7192x0.8375	28	-29.09	4608.29	45.8	Pass
L29	80.5 - 75.5	Pole	TP29.5954x28.6573x0.8125	29	-30.75	4625.49	48.4	Pass
L30	75.5 - 70.5	Pole	TP30.5334x29.5954x0.7875	30	-32.44	4633.18	51.0	Pass
L31	70.5 - 68.083	Pole	TP30.9869x30.5334x0.7875	31	-33.27	4703.81	51.5	Pass
L32	68.083 - 67.833	Pole	TP31.0338x30.9869x0.8375	32	-33.37	5001.95	48.7	Pass
L33	67.833 - 67	Pole	TP31.1901x31.0338x0.8375	33	-33.67	5027.84	48.9	Pass
L34	67 - 66.75	Pole	TP31.237x31.1901x1.0625	34	-33.78	6341.17	39.4	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L35	66.75 - 63.25	Pole	TP31.8936x31.237x1.0375	35	-35.28	6331.85	40.7	Pass
L36	63.25 - 63	Pole	TP31.9405x31.8936x1.2125	36	-35.41	7369.14	35.5	Pass
L37	63 - 59.5	Pole	TP32.5971x31.9405x1.1875	37	-37.10	7377.30	36.5	Pass
L38	59.5 - 59.25	Pole	TP32.6441x32.5971x1.2375	38	-37.24	7687.16	35.2	Pass
L39	59.25 - 56.25	Pole	TP33.2069x32.6441x1.2125	39	-38.74	7672.84	36.1	Pass
L40	56.25 - 56	Pole	TP33.2538x33.2069x1.0625	40	-38.86	6765.01	40.7	Pass
L41	56 - 55.75	Pole	TP33.3007x33.2538x0.8375	41	-38.96	5377.46	50.6	Pass
L42	55.75 - 50.75	Pole	TP34.2388x33.3007x0.825	42	-40.89	5452.30	51.9	Pass
L43	50.75 - 44.667	Pole	TP35.38x34.2388x0.8125	43	-41.19	5394.31	52.8	Pass
L44	44.667 - 43.667	Pole	TP34.942x33.7545x0.875	44	-45.57	5895.80	51.8	Pass
L45	43.667 - 38.667	Pole	TP35.8795x34.942x0.8625	45	-47.70	5973.64	52.8	Pass
L46	38.667 - 34.5	Pole	TP36.6609x35.8795x0.85	46	-49.49	6020.53	53.8	Pass
L47	34.5 - 34.25	Pole	TP36.7078x36.6609x1.1	47	-49.64	7747.09	42.4	Pass
L48	34.25 - 33	Pole	TP36.9421x36.7078x1.1	48	-50.28	7798.08	42.5	Pass
L49	33 - 32.75	Pole	TP36.989x36.9421x1.1	49	-50.43	7808.28	42.5	Pass
L50	32.75 - 29.75	Pole	TP37.5516x36.989x1.075	50	-52.01	7755.74	43.5	Pass
L51	29.75 - 29.5	Pole	TP37.5984x37.5516x1.125	51	-52.15	8115.77	41.7	Pass
L52	29.5 - 25	Pole	TP38.4422x37.5984x1.1	52	-54.60	8124.45	42.7	Pass
L53	25 - 24.75	Pole	TP38.4891x38.4422x0.8625	53	-54.73	6418.82	53.5	Pass
L54	24.75 - 19.75	Pole	TP39.4267x38.4891x0.85	54	-57.01	6485.51	54.3	Pass
L55	19.75 - 14.75	Pole	TP40.3642x39.4267x0.825	55	-59.34	6451.83	56.0	Pass
L56	14.75 - 14.5	Pole	TP40.4111x40.3642x0.825	56	-59.46	6459.48	56.0	Pass
L57	14.5 - 14.25	Pole	TP40.458x40.4111x0.825	57	-59.58	6467.13	56.0	Pass
L58	14.25 - 12.25	Pole	TP40.833x40.458x0.825	58	-60.51	6528.32	56.0	Pass
L59	12.25 - 12	Pole	TP40.8799x40.833x0.7875	59	-60.64	6244.73	58.5	Pass
L60	12 - 11.5	Pole	TP40.9736x40.8799x0.7875	60	-60.87	6259.33	58.5	Pass
L61	11.5 - 11.25	Pole	TP41.0205x40.9736x0.9	61	-61.00	7141.84	51.6	Pass
L62	11.25 - 9.25	Pole	TP41.3955x41.0205x0.8875	62	-61.98	7110.67	52.3	Pass
L63	9.25 - 9	Pole	TP41.4424x41.3955x0.85	63	-62.11	6824.40	54.5	Pass
L64	9 - 4.5	Pole	TP42.2862x41.4424x0.825	64	-64.17	6765.45	56.0	Pass
L65	4.5 - 4.25	Pole	TP42.3331x42.2862x0.85	65	-64.31	6974.14	54.5	Pass
L66	4.25 - 3	Pole	TP42.5675x42.3331x0.85	66	-64.33	6974.14	54.5	Pass
L67	3 - 2.75	Pole	TP42.6143x42.5675x0.8375	67	-64.92	6912.48	55.3	Pass
L68	2.75 - 0	Pole	TP43.13x42.6143x0.825	68	-65.05	6818.99	56.0	Pass
							Summary	
						Pole (L4)	59.6	Pass
						RATING =	**59.6**	**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)
(1) 1-1/2" TO 108 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(1) 1/2" TO 150 FT LEVEL
(11) 7/8" TO 150 FT LEVEL
(2) 1-5/8" TO 150 FT LEVEL
(OTHER CONSIDERED EQUIPMENT-IN CONDUIT)
(2) 3/8" TO 135 FT LEVEL
(2) 3/4" TO 135 FT LEVEL
(3) 7/8" TO 135 FT LEVEL
(12) 1-5/8" TO 135 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 3/8" TO 135 FT LEVEL
(2) 3/4" TO 135 FT LEVEL
Q4
Q1
Q3
Q2
(OTHER CONSIDERED EQUIPMENT)
(3) 1-5/8" TO 128 FT LEVEL
CLIMBING PEGS

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 806361

Work Order: 2278042

CROWN CASTLE

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	150	54.833	4.333	12	16	26.28	0.1875	Auto	A572-65
2	99.5	54.833	5.333	12	25.09	35.38	0.3125	Auto	A572-65
3	50	50	0	12	33.75	43.13	0.375	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	29.75	plate	PL9x1-1/4 {Bar #1}	3				■				■				■
2	29.75	59.5	plate	PL8x1-1/4 {Bar #2}	3				■				■				■
3	59.5	89.25	plate	PL7x1-1/4 {Bar #3}	3				■				■				■
4	89.25	123.75	plate	PL5x1-1/4 {Bar #4}	3				■				■				■
5	25	34.5	plate	MS-650 (1.1875")	3			■				■				■	
6	56	67	plate	MS-600 (1.1875")	3			■				■				■	
7	85.75	92.75	plate	MS-450 (1.1875")	3			■				■				■	
8	56.25	63.25	plate	CCI-SFP-045100	3		■				■				■		
9	85.75	93.75	plate	CCI-SFP-040075	3		■				■				■		
10	0	4.5	plate	ransistion Stiffener TS	1										■		
11	0	11.5	plate	ransistion Stiffener TS	1						■						
12	0	14.5	plate	ransistion Stiffener TS	1		■										
13	3	9.25	plate	CCI-AFP-060100	1									■			
14	9.25	12.25	plate	CCI-AFP-060100	2					■				■			
15	12.25	33	plate	CCI-AFP-060100	3	■				■				■			
16	33	68.083	plate	CCI-AFP-060100	3	■				■				■			
17	68.083	91.25	plate	CCI-AFP-045100	3	■				■				■			
18	91.25	117	plate	CCI-AFP-045100	3	■				■				■			
19	117	118.75	plate	CCI-AFP-045100	6	■	■			■	■			■	■		
20	118.75	133	plate	CCI-AFP-045100	3		■				■				■		
21																	

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	9	1.25	11.25	0.625	Welded	n/a	Capacity Input	n/a	15.000	9.647	1.2200	A572-65
2	8	1.25	10	0.625	Capacity Input	n/a	Capacity Input	n/a	18.000	8.397	1.2200	A572-65
3	7	1.25	8.75	0.625	Capacity Input	n/a	Capacity Input	n/a	18.000	7.147	1.2200	A572-65
4	5	1.25	6.25	0.625	Capacity Input	n/a	PC 8.8 - M20 (100)	15.000	18.000	4.647	1.2200	A572-65
5	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.563	1.1875	A572-65
6	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
7	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.625	3.250	1.1875	A572-65
8	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65
9	4	0.75	3	0.375	PC 8.8 - M20 (100)	12	PC 8.8 - M20 (100)	12.000	16.000	2.063	1.1875	A572-65
10	1	6	6	3	Welded	n/a	Welded	n/a	0.000	6.000	0.0000	A572-65
11	1	6	6	3	Welded	n/a	Welded	n/a	0.000	6.000	0.0000	A572-65
12	1	6	6	3	Welded	n/a	Welded	n/a	0.000	6.000	0.0000	A572-65
13	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
14	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
15	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
16	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
17	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	20.000	3.250	1.1875	A572-65
18	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	20.000	3.250	1.1875	A572-65
19	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	20.000	3.250	1.1875	A572-65
20	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	20.000	3.250	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)
PL9x1-1/4 {Bar #1}	Top	-	0	-	-	-	-	-	-	-	-	-	-	565
	Bottom	-	-	-	-	80	CJP Groove	9	1.25	45	0	-	-	-
PL8x1-1/4 {Bar #2}	Top	-	0	-	-	-	-	-	-	-	-	-	-	494
	Bottom	-	0	-	-	-	0	-	-	-	-	-	-	565
PL7x1-1/4 {Bar #3}	Top	-	-	-	-	-	-	-	-	-	-	-	-	353
	Bottom	-	-	-	-	-	0	-	-	-	-	-	-	494
PL5x1-1/4 {Bar #4}	Top	5	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	-	0	-	-	-	-	-	-	353
Transistion Stiffener TS1	Top	-	-	-	-	70	None	-	-	-	-	191.25	0.375	-
	Bottom	-	-	-	-	80	CJP Groove	10.5	0.5	45	0.625	-	-	-
Transistion Stiffener TS2	Top	-	-	-	-	70	None	-	-	-	-	155.25	0.375	-
	Bottom	-	-	-	-	80	CJP Groove	10.5	0.5	45	0.625	-	-	-
Transistion Stiffener TS3	Top	-	-	-	-	70	None	-	-	-	-	71.25	0.375	-
	Bottom	-	-	-	-	80	CJP Groove	10.5	0.5	45	0.625	-	-	-

TNX Geometry Input

Increment (ft): 5 Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	150 - 145	5		12	16.000	16.937	0.1875	A572-65	1.000
2	145 - 140	5		12	16.937	17.875	0.1875	A572-65	1.000
3	140 - 135	5		12	17.875	18.812	0.1875	A572-65	1.000
4	135 - 133	2		12	18.812	19.187	0.1875	A572-65	1.000
5	133 - 132.75	0.25		12	19.187	19.234	0.45	A572-65	0.919
6	132.75 - 127.75	5		12	19.234	20.171	0.4375	A572-65	0.920
7	127.75 - 123.75	4		12	20.171	20.921	0.425	A572-65	0.928
8	123.75 - 123.5	0.25		12	20.921	20.968	0.425	A572-65	0.927
9	123.5 - 118.75	4.75		12	20.968	21.859	0.7625	A572-65	0.876
10	118.75 - 118.5	0.25		12	21.859	21.906	1.0375	A572-65	0.845
11	118.5 - 117	1.5		12	21.906	22.187	1.0125	A572-65	0.856
12	117 - 116.75	0.25		12	22.187	22.234	0.75	A572-65	0.879
13	116.75 - 111.75	5		12	22.234	23.171	0.7125	A572-65	0.896
14	111.75 - 106.75	5		12	23.171	24.108	0.6875	A572-65	0.901
15	106.75 - 101.75	5		12	24.108	25.046	0.6625	A572-65	0.909
16	101.75 - 99.5	6.583	4.333	12	25.046	26.280	0.6625	A572-65	0.899
17	99.5 - 94.5	5		12	25.093	26.031	0.7875	A572-65	0.909
18	94.5 - 93.75	0.75		12	26.031	26.171	0.7875	A572-65	0.906
19	93.75 - 93.5	0.25		12	26.171	26.218	0.9125	A572-65	0.906
20	93.5 - 92.75	0.75		12	26.218	26.359	0.9125	A572-65	0.903
21	92.75 - 92.5	0.25		12	26.359	26.406	1.1375	A572-65	0.876
22	92.5 - 91.25	1.25		12	26.406	26.640	1.1125	A572-65	0.889
23	91.25 - 91	0.25		12	26.640	26.687	1.1125	A572-65	0.888
24	91 - 89.25	1.75		12	26.687	27.016	1.1125	A572-65	0.880
25	89.25 - 89	0.25		12	27.016	27.063	1.2125	A572-65	0.884
26	89 - 85.75	3.25		12	27.063	27.672	1.1875	A572-65	0.887
27	85.75 - 85.5	0.25		12	27.672	27.719	0.8625	A572-65	0.903
28	85.5 - 80.5	5		12	27.719	28.657	0.8375	A572-65	0.911
29	80.5 - 75.5	5		12	28.657	29.595	0.8125	A572-65	0.920
30	75.5 - 70.5	5		12	29.595	30.533	0.7875	A572-65	0.931
31	70.5 - 68.083	2.417		12	30.533	30.987	0.7875	A572-65	0.923
32	68.083 - 67.833	0.25		12	30.987	31.034	0.8375	A572-65	0.924
33	67.833 - 67	0.833		12	31.034	31.190	0.8375	A572-65	0.921
34	67 - 66.75	0.25		12	31.190	31.237	1.0625	A572-65	0.905
35	66.75 - 63.25	3.5		12	31.237	31.894	1.0375	A572-65	0.913
36	63.25 - 63	0.25		12	31.894	31.941	1.2125	A572-65	0.898
37	63 - 59.5	3.5		12	31.941	32.597	1.1875	A572-65	0.902
38	59.5 - 59.25	0.25		12	32.597	32.644	1.2375	A572-65	0.896
39	59.25 - 56.25	3		12	32.644	33.207	1.2125	A572-65	0.902
40	56.25 - 56	0.25		12	33.207	33.254	1.0625	A572-65	0.901
41	56 - 55.75	0.25		12	33.254	33.301	0.8375	A572-65	0.928
42	55.75 - 50.75	5		12	33.301	34.239	0.825	A572-65	0.926
43	50.75 - 50	6.083	5.333	12	34.239	35.380	0.8125	A572-65	0.938
44	50 - 43.667	6.333		12	33.754	34.942	0.875	A572-65	0.936
45	43.667 - 38.667	5		12	34.942	35.880	0.8625	A572-65	0.935
46	38.667 - 34.5	4.167		12	35.880	36.661	0.85	A572-65	0.937
47	34.5 - 34.25	0.25		12	36.661	36.708	1.1	A572-65	0.923
48	34.25 - 33	1.25		12	36.708	36.942	1.1	A572-65	0.919
49	33 - 32.75	0.25		12	36.942	36.989	1.1	A572-65	0.918
50	32.75 - 29.75	3		12	36.989	37.552	1.075	A572-65	0.930
51	29.75 - 29.5	0.25		12	37.552	37.598	1.125	A572-65	0.917
52	29.5 - 25	4.5		12	37.598	38.442	1.1	A572-65	0.924
53	25 - 24.75	0.25		12	38.442	38.489	0.8625	A572-65	0.936
54	24.75 - 19.75	5		12	38.489	39.427	0.85	A572-65	0.937
55	19.75 - 14.75	5		12	39.427	40.364	0.825	A572-65	0.953
56	14.75 - 14.5	0.25		12	40.364	40.411	0.825	A572-65	0.953
57	14.5 - 14.25	0.25		12	40.411	40.458	0.825	A572-65	0.952
58	14.25 - 12.25	2		12	40.458	40.833	0.825	A572-65	0.947
59	12.25 - 12	0.25		12	40.833	40.880	0.7875	A572-65	0.991
60	12 - 11.5	0.5		12	40.880	40.974	0.7875	A572-65	0.990
61	11.5 - 11.25	0.25		12	40.974	41.021	0.9	A572-65	0.920
62	11.25 - 9.25	2		12	41.021	41.396	0.8875	A572-65	0.927
63	9.25 - 9	0.25		12	41.396	41.442	0.85	A572-65	0.913
64	9 - 4.5	4.5		12	41.442	42.286	0.825	A572-65	0.930
65	4.5 - 4.25	0.25		12	42.286	42.333	0.85	A572-65	0.956
66	4.25 - 3	1.25		12	42.333	42.567	0.85	A572-65	0.953
67	3 - 2.75	0.25		12	42.567	42.614	0.8375	A572-65	0.913
68	2.75 - 0	2.75		12	42.614	43.130	0.825	A572-65	0.921

TNX Section Forces

Increment (ft): 5

	Section Height (ft)	TNX Output P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	150 - 145	3.56	42.57	8.35
2	145 - 140	3.79	85.26	8.73
3	140 - 135	8.46	152.19	15.61
4	135 - 133	8.19	184.01	15.99
5	133 - 132.75	8.23	188.01	16.01
6	132.75 - 127.75	12.69	270.20	20.76
7	127.75 - 123.75	13.28	353.87	21.09
8	123.75 - 123.5	13.33	359.14	21.11
9	123.5 - 118.75	14.35	460.47	21.57
10	118.75 - 118.5	14.43	465.86	21.59
11	118.5 - 117	14.83	498.36	21.75
12	117 - 116.75	14.90	503.79	21.77
13	116.75 - 111.75	16.01	613.83	22.25
14	111.75 - 106.75	20.11	732.48	26.09
15	106.75 - 101.75	21.31	864.03	26.55
16	101.75 - 99.5	21.87	923.97	26.76
17	99.5 - 94.5	24.09	1059.27	27.36
18	94.5 - 93.75	24.31	1079.82	27.44
19	93.75 - 93.5	24.39	1086.68	27.46
20	93.5 - 92.75	24.63	1107.29	27.54
21	92.75 - 92.5	24.73	1114.18	27.56
22	92.5 - 91.25	25.19	1148.71	27.70
23	91.25 - 91	25.30	1155.63	27.72
24	91 - 89.25	25.94	1204.31	27.92
25	89.25 - 89	26.06	1211.29	27.94
26	89 - 85.75	27.37	1302.66	28.31
27	85.75 - 85.5	27.46	1309.74	28.32
28	85.5 - 80.5	29.09	1452.55	28.82
29	80.5 - 75.5	30.75	1597.78	29.30
30	75.5 - 70.5	32.44	1745.39	29.77
31	70.5 - 68.083	33.27	1817.59	30.00
32	68.083 - 67.833	33.37	1825.09	30.01
33	67.833 - 67	33.67	1850.12	30.10
34	67 - 66.75	33.78	1857.64	30.12
35	66.75 - 63.25	35.28	1963.68	30.50
36	63.25 - 63	35.41	1971.30	30.51
37	63 - 59.5	37.10	2078.75	30.90
38	59.5 - 59.25	37.24	2086.47	30.92
39	59.25 - 56.25	38.74	2179.72	31.26
40	56.25 - 56	38.86	2187.53	31.27
41	56 - 55.75	38.96	2195.35	31.30
42	55.75 - 50.75	40.89	2352.97	31.77
43	50.75 - 50	41.19	2376.81	31.83
44	50 - 43.667	45.57	2580.77	32.58
45	43.667 - 38.667	47.70	2744.62	33.00
46	38.667 - 34.5	49.49	2882.76	33.34
47	34.5 - 34.25	49.64	2891.09	33.35
48	34.25 - 33	50.28	2932.84	33.48
49	33 - 32.75	50.43	2941.20	33.48
50	32.75 - 29.75	52.01	3042.04	33.76
51	29.75 - 29.5	52.15	3050.48	33.77
52	29.5 - 25	54.60	3203.30	34.18
53	25 - 24.75	54.73	3211.84	34.18
54	24.75 - 19.75	57.01	3383.58	34.55
55	19.75 - 14.75	59.34	3556.97	34.86
56	14.75 - 14.5	59.46	3565.69	34.86
57	14.5 - 14.25	59.58	3574.40	34.87
58	14.25 - 12.25	60.51	3644.25	35.01
59	12.25 - 12	60.64	3653.00	35.01
60	12 - 11.5	60.87	3670.51	35.04
61	11.5 - 11.25	61.00	3679.27	35.05
62	11.25 - 9.25	61.98	3749.55	35.28
63	9.25 - 9	62.11	3758.36	35.29
64	9 - 4.5	64.17	3918.03	35.71
65	4.5 - 4.25	64.31	3926.95	35.71
66	4.25 - 3	64.90	3971.65	35.85
67	3 - 2.75	65.03	3980.60	35.84
68	2.75 - 0	66.29	4079.49	36.12

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
150 - 145	Pole	TP16.937x16x0.1875	Pole	17.2%	Pass
145 - 140	Pole	TP17.875x16.937x0.1875	Pole	30.7%	Pass
140 - 135	Pole	TP18.812x17.875x0.1875	Pole	50.9%	Pass
135 - 133	Pole	TP19.187x18.812x0.1875	Pole	59.2%	Pass
133 - 132.75	Pole + Reinf.	TP19.234x19.187x0.45	Reinf. 20 Tension Rupture	41.3%	Pass
132.75 - 127.75	Pole + Reinf.	TP20.171x19.234x0.4375	Reinf. 20 Tension Rupture	55.5%	Pass
127.75 - 123.75	Pole + Reinf.	TP20.921x20.171x0.425	Reinf. 20 Tension Rupture	68.8%	Pass
123.75 - 123.5	Pole + Reinf.	TP20.968x20.921x0.425	Reinf. 20 Tension Rupture	69.6%	Pass
123.5 - 118.75	Pole + Reinf.	TP21.859x20.968x0.7625	Reinf. 20 Tension Rupture	47.7%	Pass
118.75 - 118.5	Pole + Reinf.	TP21.906x21.859x1.0375	Reinf. 19 Tension Rupture	36.9%	Pass
118.5 - 117	Pole + Reinf.	TP22.187x21.906x1.0125	Reinf. 19 Tension Rupture	38.9%	Pass
117 - 116.75	Pole + Reinf.	TP22.234x22.187x0.75	Reinf. 18 Tension Rupture	51.0%	Pass
116.75 - 111.75	Pole + Reinf.	TP23.171x22.234x0.7125	Reinf. 18 Tension Rupture	59.0%	Pass
111.75 - 106.75	Pole + Reinf.	TP24.108x23.171x0.6875	Reinf. 18 Tension Rupture	67.1%	Pass
106.75 - 101.75	Pole + Reinf.	TP25.046x24.108x0.6625	Reinf. 18 Tension Rupture	75.4%	Pass
101.75 - 99.5	Pole + Reinf.	TP26.28x25.046x0.6625	Reinf. 18 Tension Rupture	78.9%	Pass
99.5 - 94.5	Pole + Reinf.	TP26.031x25.093x0.7875	Reinf. 18 Tension Rupture	73.4%	Pass
94.5 - 93.75	Pole + Reinf.	TP26.171x26.031x0.7875	Reinf. 18 Tension Rupture	74.3%	Pass
93.75 - 93.5	Pole + Reinf.	TP26.218x26.171x0.9125	Reinf. 9 Tension Rupture	67.1%	Pass
93.5 - 92.75	Pole + Reinf.	TP26.359x26.218x0.9125	Reinf. 9 Tension Rupture	67.9%	Pass
92.75 - 92.5	Pole + Reinf.	TP26.406x26.359x1.1375	Reinf. 9 Tension Rupture	56.5%	Pass
92.5 - 91.25	Pole + Reinf.	TP26.64x26.406x1.1125	Reinf. 9 Tension Rupture	57.6%	Pass
91.25 - 91	Pole + Reinf.	TP26.687x26.64x1.1125	Reinf. 9 Tension Rupture	57.9%	Pass
91 - 89.25	Pole + Reinf.	TP27.016x26.687x1.1125	Reinf. 9 Tension Rupture	59.3%	Pass
89.25 - 89	Pole + Reinf.	TP27.063x27.016x1.2125	Reinf. 3 Connection	56.4%	Pass
89 - 85.75	Pole + Reinf.	TP27.672x27.063x1.1875	Reinf. 9 Tension Rupture	56.7%	Pass
85.75 - 85.5	Pole + Reinf.	TP27.719x27.672x0.8625	Reinf. 17 Tension Rupture	73.1%	Pass
85.5 - 80.5	Pole + Reinf.	TP28.657x27.719x0.8375	Reinf. 17 Tension Rupture	77.4%	Pass
80.5 - 75.5	Pole + Reinf.	TP29.595x28.657x0.8125	Reinf. 17 Tension Rupture	81.4%	Pass
75.5 - 70.5	Pole + Reinf.	TP30.533x29.595x0.7875	Reinf. 17 Tension Rupture	85.2%	Pass
70.5 - 68.08	Pole + Reinf.	TP30.987x30.533x0.7875	Reinf. 17 Tension Rupture	86.9%	Pass
68.08 - 67.83	Pole + Reinf.	TP31.034x30.987x0.8375	Reinf. 16 Tension Rupture	74.5%	Pass
67.83 - 67	Pole + Reinf.	TP31.19x31.034x0.8375	Reinf. 16 Tension Rupture	75.0%	Pass
67 - 66.75	Pole + Reinf.	TP31.237x31.19x1.0625	Reinf. 6 Tension Rupture	60.4%	Pass
66.75 - 63.25	Pole + Reinf.	TP31.894x31.237x1.0375	Reinf. 6 Tension Rupture	62.2%	Pass
63.25 - 63	Pole + Reinf.	TP31.941x31.894x1.2125	Reinf. 8 Tension Rupture	59.6%	Pass
63 - 59.5	Pole + Reinf.	TP32.597x31.941x1.1875	Reinf. 8 Tension Rupture	61.3%	Pass
59.5 - 59.25	Pole + Reinf.	TP32.644x32.597x1.2375	Reinf. 8 Tension Rupture	59.2%	Pass
59.25 - 56.25	Pole + Reinf.	TP33.207x32.644x1.2125	Reinf. 8 Tension Rupture	60.5%	Pass
56.25 - 56	Pole + Reinf.	TP33.254x33.207x1.0625	Reinf. 6 Tension Rupture	63.0%	Pass
56 - 55.75	Pole + Reinf.	TP33.301x33.254x0.8375	Reinf. 16 Tension Rupture	77.3%	Pass
55.75 - 50.75	Pole + Reinf.	TP34.239x33.301x0.825	Reinf. 16 Tension Rupture	79.8%	Pass
50.75 - 50	Pole + Reinf.	TP35.38x34.239x0.8125	Reinf. 16 Tension Rupture	80.1%	Pass
50 - 43.67	Pole + Reinf.	TP34.942x33.754x0.875	Reinf. 16 Tension Rupture	78.9%	Pass
43.67 - 38.67	Pole + Reinf.	TP35.88x34.942x0.8625	Reinf. 16 Tension Rupture	80.8%	Pass
38.67 - 34.5	Pole + Reinf.	TP36.661x35.88x0.85	Reinf. 16 Tension Rupture	82.3%	Pass
34.5 - 34.25	Pole + Reinf.	TP36.708x36.661x1.1	Reinf. 16 Tension Rupture	64.6%	Pass
34.25 - 33	Pole + Reinf.	TP36.942x36.708x1.1	Reinf. 16 Tension Rupture	65.0%	Pass
33 - 32.75	Pole + Reinf.	TP36.989x36.942x1.1	Reinf. 15 Tension Rupture	65.1%	Pass
32.75 - 29.75	Pole + Reinf.	TP37.552x36.989x1.075	Reinf. 15 Tension Rupture	65.9%	Pass
29.75 - 29.5	Pole + Reinf.	TP37.598x37.552x1.125	Reinf. 15 Tension Rupture	63.8%	Pass
29.5 - 25	Pole + Reinf.	TP38.442x37.598x1.1	Reinf. 15 Tension Rupture	65.1%	Pass
25 - 24.75	Pole + Reinf.	TP38.489x38.442x0.8625	Reinf. 15 Tension Rupture	81.9%	Pass
24.75 - 19.75	Pole + Reinf.	TP39.427x38.489x0.85	Reinf. 15 Tension Rupture	83.3%	Pass
19.75 - 14.75	Pole + Reinf.	TP40.364x39.427x0.825	Reinf. 15 Tension Rupture	84.7%	Pass
14.75 - 14.5	Pole + Reinf.	TP40.411x40.364x0.825	Reinf. 15 Tension Rupture	84.7%	Pass
14.5 - 14.25	Pole + Reinf.	TP40.458x40.411x0.825	Reinf. 15 Tension Rupture	84.8%	Pass
14.25 - 12.25	Pole + Reinf.	TP40.833x40.458x0.825	Reinf. 15 Tension Rupture	85.3%	Pass
12.25 - 12	Pole + Reinf.	TP40.88x40.833x0.7875	Reinf. 14 Tension Rupture	86.2%	Pass
12 - 11.5	Pole + Reinf.	TP40.974x40.88x0.7875	Reinf. 14 Tension Rupture	86.3%	Pass
11.5 - 11.25	Pole + Reinf.	TP41.021x40.974x0.9	Reinf. 14 Tension Rupture	81.8%	Pass
11.25 - 9.25	Pole + Reinf.	TP41.396x41.021x0.8875	Reinf. 14 Tension Rupture	82.3%	Pass
9.25 - 9	Pole + Reinf.	TP41.442x41.396x0.85	Reinf. 13 Tension Rupture	83.0%	Pass
9 - 4.5	Pole + Reinf.	TP42.286x41.442x0.825	Reinf. 13 Tension Rupture	84.0%	Pass
4.5 - 4.25	Pole + Reinf.	TP42.333x42.286x0.85	Reinf. 1 Tension Rupture	77.8%	Pass
4.25 - 3	Pole + Reinf.	TP42.567x42.333x0.85	Reinf. 1 Tension Rupture	78.1%	Pass
3 - 2.75	Pole + Reinf.	TP42.614x42.567x0.8375	Reinf. 1 Tension Rupture	78.2%	Pass
2.75 - 0	Pole + Reinf.	TP43.13x42.614x0.825	Reinf. 1 Tension Rupture	78.8%	Pass
				Summary	
			Pole	65.1%	Pass
			Reinforcement	86.9%	Pass
			Overall	86.9%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*																		
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16	R17	R18	R19	R20
150 - 145	363	n/a	363	10.10	n/a	10.10	17.2%																				
145 - 140	427	n/a	427	10.66	n/a	10.66	30.7%																				
140 - 135	499	n/a	499	11.23	n/a	11.23	50.9%																				
135 - 133	529	n/a	529	11.45	n/a	11.45	59.2%																				
133 - 132.75	533	703	1236	11.48	13.50	24.98	25.1%																				41.3%
132.75 - 127.75	616	768	1384	12.05	13.50	25.55	34.5%																				55.5%
127.75 - 123.75	688	823	1511	12.50	13.50	26.00	43.4%																				68.8%
123.75 - 123.5	692	826	1519	12.53	13.50	26.03	43.9%																				69.6%
123.5 - 118.75	785	2166	2951	13.07	32.25	45.32	30.7%				46.8%																47.7%
118.75 - 118.5	790	3072	3863	13.09	45.75	58.84	23.8%				36.3%															36.9%	
118.5 - 117	822	3147	3968	13.26	45.75	59.01	25.2%				38.2%															38.9%	
117 - 116.75	827	2236	3063	13.29	32.25	45.54	33.1%				50.1%														51.0%		
116.75 - 111.75	937	2416	3353	13.86	32.25	46.11	39.1%				57.9%														59.0%		
111.75 - 106.75	1056	2604	3660	14.42	32.25	46.67	45.5%				65.9%														67.1%		
106.75 - 101.75	1185	2798	3983	14.99	32.25	47.24	52.3%				73.9%														75.4%		
101.75 - 99.5	1247	2888	4135	15.24	32.25	47.49	55.3%				77.4%														78.9%		
99.5 - 94.5	2188	3010	5198	25.84	32.25	58.09	41.9%				72.0%														73.4%		
94.5 - 93.75	2224	3041	5265	25.98	32.25	58.23	42.5%				72.8%														74.3%		
93.75 - 93.5	2236	3876	6112	26.03	41.25	67.28	36.9%				63.3%					67.1%									64.5%		
93.5 - 92.75	2273	3915	6188	26.17	41.25	67.42	37.4%				64.0%					67.9%									65.3%		
92.75 - 92.5	2285	5208	7493	26.22	54.75	80.97	31.2%				53.3%			54.9%		56.5%									54.3%		
92.5 - 91.25	2347	5297	7644	26.45	54.75	81.20	31.9%				54.3%			56.0%		57.6%									55.4%		
91.25 - 91	2360	5314	7674	26.50	54.75	81.25	32.0%				54.5%			56.2%		57.9%								55.6%			
91 - 89.25	2449	5440	7889	26.83	54.75	81.58	33.0%				55.9%			57.6%		59.3%								57.0%			
89.25 - 89	2462	6244	8706	26.88	62.25	89.13	30.1%			56.4%				52.6%		54.2%								52.1%			
89 - 85.75	2634	6514	9148	27.49	62.25	89.74	31.8%			48.6%				55.0%		56.7%								54.4%			
85.75 - 85.5	2648	4213	6860	27.54	39.75	67.29	42.6%			65.3%														73.1%			
85.5 - 80.5	2929	4486	7415	28.48	39.75	68.23	45.7%			69.1%														77.4%			
80.5 - 75.5	3229	4769	7998	29.42	39.75	69.17	48.7%			72.7%														81.4%			
75.5 - 70.5	3550	5060	8610	30.37	39.75	70.12	51.5%			76.0%														85.2%			
70.5 - 68.08	3712	5204	8916	30.82	39.75	70.57	52.8%			77.5%														86.9%			
68.08 - 67.83	3729	5812	9541	30.87	44.25	75.12	49.7%			72.8%													74.5%				
67.83 - 67	3786	5868	9654	31.03	44.25	75.28	50.1%			73.3%													75.0%				
67 - 66.75	3804	8250	12054	31.07	62.25	93.32	40.4%			59.1%			60.4%										60.4%				
66.75 - 63.25	4051	8584	12635	31.73	62.25	93.98	41.9%			60.8%			62.2%										62.2%				
63.25 - 63	4069	10451	14520	31.78	75.75	107.53	36.7%			53.2%			54.4%		59.6%								54.4%				
63 - 59.5	4328	10866	15194	32.44	75.75	108.19	38.1%			54.6%			55.9%		61.3%								55.9%				
59.5 - 59.25	4347	11461	15808	32.49	79.50	111.99	36.8%		52.4%				54.1%		59.2%								54.1%				
59.25 - 56.25	4578	11842	16419	33.05	79.50	112.55	37.9%		52.6%				55.3%		60.5%								55.3%				
56.25 - 56	4597	9882	14479	33.10	66.00	99.10	43.2%		60.0%				63.0%										63.0%				
56 - 55.75	4617	7233	11850	33.15	48.00	81.15	53.1%		73.6%														77.3%				
55.75 - 50.75	5022	7627	12649	34.09	48.00	82.09	55.4%		75.9%														79.8%				
50.75 - 50	5085	7687	12771	34.23	48.00	82.23	55.8%		76.3%														80.1%				
50 - 43.67	6375	7928	14303	41.68	48.00	89.68	51.6%		75.1%														78.9%				
43.67 - 38.67	6907	8340	15247	42.81	48.00	90.81	53.4%		76.9%														80.8%				
38.67 - 34.5	7374	8691	16064	43.75	48.00	91.75	54.8%		78.3%														82.3%				
34.5 - 34.25	7402	13146	20548	43.81	72.38	116.18	43.1%		61.5%			63.8%											64.6%				
34.25 - 33	7546	13308	20854	44.09	72.38	116.47	43.4%		61.8%			64.1%											65.0%				
33 - 32.75	7575	13340	20915	44.15	72.38	116.52	43.5%		61.9%			64.2%										65.1%					
32.75 - 29.75	7930	13731	21661	44.83	72.38	117.20	44.3%		62.7%			65.1%										65.9%					
29.75 - 29.5	7960	14506	22466	44.88	76.13	121.01	42.9%	60.8%				63.0%										63.8%					
29.5 - 25	8514	15135	23649	45.90	76.13	122.03	44.2%	60.5%				64.2%										65.1%					
25 - 24.75	8545	10315	18860	45.96	51.75	97.71	55.6%	76.2%														81.9%					
24.75 - 19.75	9191	10801	19993	47.09	51.75	98.84	57.2%	77.5%														83.3%					
19.75 - 14.75	9869	11299	21169	48.22	51.75	99.97	58.7%	78.7%														84.7%					
14.75 - 14.5	9904	11325	21229	48.27	51.75	100.02	58.8%	78.8%														84.7%					
14.5 - 14.25	9939	11350	21289	48.33	51.75	100.08	58.8%	78.8%														84.8%					
14.25 - 12.25	10220	11553	21773	48.78	51.75	100.53	59.4%	79.3%														85.3%					
12.25 - 12	10273	10673	20947	48.84	51.75	100.59	65.0%	85.3%											73.0%		86.2%						
12 - 11.5	10345	10720	21065	48.95	51.75	100.70	65.1%	85.5%											73.1%		86.3%						
11.5 - 11.25	10387	13354	23741	49.01	57.75	106.76	58.4%	79.3%										66.8%	72.2%		81.8%						
11.25 - 9.25	10677	13586	24264	49.46	57.75	107.21	59.0%	79.7%										67.2%	72.6%		82.3%						
9.25 - 9	10690	12521	23210	49.52	51.75	101.27	60.9%	82.8%										76.2%	72.7%	83.0%							
9 - 4.5	11362	13008	24370	50.54	51.75	102.29	62.2%	83.9%										77.0%	73.6%	84.0%							
4.5 - 4.25	11401	13451	24852	50.59	57.75	108.34	60.7%	77.8%									67.8%	75.9%	73.5%	71.6%							
4.25 - 3	11593	13589	25181	50.87	57.75	108.62	61.1%	78.1%									68.0%	76.1%	73.7%	71.9%							
3 - 2.75	11631	13579	25209	50.93	51.75	102.68	59.9%	78.2%									76.3%	76.3%	76.3%								
2.75 - 0	12062	13884	25946	51.55	51.75	103.30	60.7%	78.8%									76.8%	76.8%	76.8%								

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

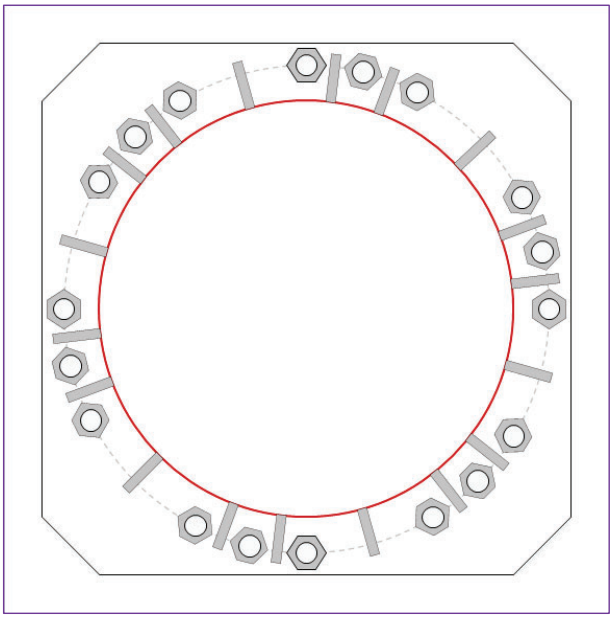
Monopole Base Plate Connection

Site Info	
BU #	806361
Site Name	NHV 102 943127
Order #	654589 REV. 0

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

Applied Loads	
Moment (kip-ft)	4079.49
Axial Force (kips)	66.29
Shear Force (kips)	36.12

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (12) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 50.6" BC
pos. (deg): 62.8, 90, 121.4, 148.6, 242.8, 270, 301.4, 328.6, 0, 27.2, 1

GROUP 2: (6) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 50.6" BC
pos. (deg): 76.4, 135, 256.4, 315, 13.6, 193.6

Base Plate Data

55.1" W x 2.5" Plate (A572-60; Fy=60 ksi, Fu=75 ksi); Clip: 6 in

Stiffener Data

(18) 18"H x 5"W x 1"T, Notch: 0.75"
plate: Fy= 50 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.5" groove, 45° dbl bevel, 0.5" fillet
vert. weld: 0.5" fillet

Pole Data

43.13" x 0.375" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

GROUP 1:		
Pu_t = 214	ϕPn_t = 243.75	**Stress Rating**
Vu = 3.01	ϕVn = 149.1	**83.6%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 2:		
Pu_t = 217.59	ϕPn_t = 243.75	**Stress Rating**
Vu = 0	ϕVn = 149.1	**85.0%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	31.17	(Roark's Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**55.0%**	**Pass**

Stiffener Summary

Horizontal Weld:	**81.4%**	**Pass**
Vertical Weld:	**40.9%**	**Pass**
Plate Flexure+Shear:	**16.4%**	**Pass**
Plate Tension+Shear:	**82.1%**	**Pass**
Plate Compression:	**72.8%**	**Pass**

Pole Summary

Punching Shear:	**13.0%**	**Pass**

CCIplate

Elevation (ft)	0	*(Base)*

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

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

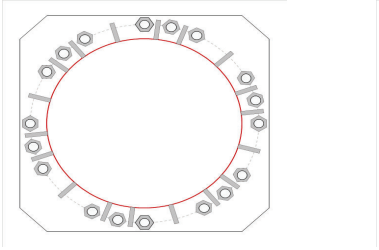
Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	l_{sr} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	62.7600454	2.25	A615-75	50.6	0.5	0	N-Included		No
2	2	76.3800227	2.25	A615-75	50.6	0.5	0	N-Included		No
3	1	90	2.25	A615-75	50.6	0.5	0	N-Included		No
4	1	121.380023	2.25	A615-75	50.6	0.5	0	N-Included		No
5	2	135	2.25	A615-75	50.6	0.5	0	N-Included		No
6	1	148.619977	2.25	A615-75	50.6	0.5	0	N-Included		No
7	1	242.760045	2.25	A615-75	50.6	0.5	0	N-Included		No
8	2	256.380023	2.25	A615-75	50.6	0.5	0	N-Included		No
9	1	270	2.25	A615-75	50.6	0.5	0	N-Included		No
10	1	301.380023	2.25	A615-75	50.6	0.5	0	N-Included		No
11	2	315	2.25	A615-75	50.6	0.5	0	N-Included		No
12	1	328.619977	2.25	A615-75	50.6	0.5	0	N-Included		No
13	1	0	2.25	A615-75	50.6	0.5	0	N-Included		No
14	2	13.6199773	2.25	A615-75	50.6	0.5	0	N-Included		No
15	1	27.2399546	2.25	A615-75	50.6	0.5	0	N-Included		No
16	1	180	2.25	A615-75	50.6	0.5	0	N-Included		No
17	2	193.619977	2.25	A615-75	50.6	0.5	0	N-Included		No
18	1	207.239955	2.25	A615-75	50.6	0.5	0	N-Included		No

Custom Stiffener Connection

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	6.809989	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
2	1	20.427767	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
3	1	69.5678344	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
4	1	83.1878124	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
5	1	105.690012	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
6	1	128.190011	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
7	1	141.809989	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
8	1	164.309989	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
9	1	186.807789	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
10	1	200.427767	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
11	1	225	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
12	1	249.570033	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
13	1	263.190011	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
14	1	308.190011	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
15	1	321.809989	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
16	1	344.309989	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
17	1	285.690012	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70
18	1	42.9299661	5	18	1	0.75	0.75	50	Both	0.5	45	0.5	0.5	70

Plot Graphic



Drilled Pier Foundation

BU # :	806361
Site Name:	NHV 102 943127
Order Number:	654589 REV. 0
TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	4079.49	
Axial Force (kips)	66.31	
Shear Force (kips)	36.08	

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

Pier Design Data		
Depth	33	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 23' below grade		
Pier Diameter	6	ft
Rebar Quantity	32	
Rebar Size	11	
Rebar Cage Diameter	61	in
Tie Size	4	
Tie Spacing		in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Pier Section 2		
From 23' below grade to 33' below grade		
Pier Diameter	6	ft
Rebar Quantity	16	
Rebar Size	11	
Rebar Cage Diameter	61	in
Tie Size	4	
Tie Spacing		in

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	7.69	-
Soil Safety Factor	5.76	-
Max Moment (kip-ft)	4331.25	-
Rating*	*22.0%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	418.46	-
End Bearing (kips)	783.03	-
Weight of Concrete (kips)	121.77	-
Total Capacity (kips)	1201.49	-
Axial (kips)	188.08	-
Rating*	*14.9%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	7.52	-
Critical Moment (kip-ft)	4331.08	-
Critical Moment Capacity	6122.12	-
Rating*	*67.4%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	29.20	-
Critical Shear (kip)	164.82	-
Critical Shear Capacity	544.14	-
Rating*	*28.8%*	-

Shear-Friction Methodology is Applied

Structural Foundation Rating*	**67.4%**
Soil Interaction Rating*	**22.0%**

*Rating per TIA-222-H Section 15.5

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

Go to Soil Calculations

Soil Profile

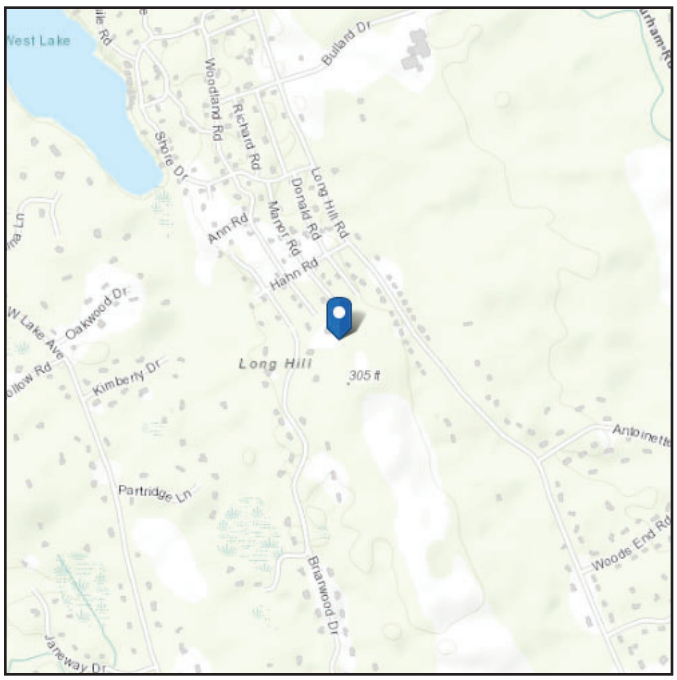
Groundwater Depth	10	# of Layers	5

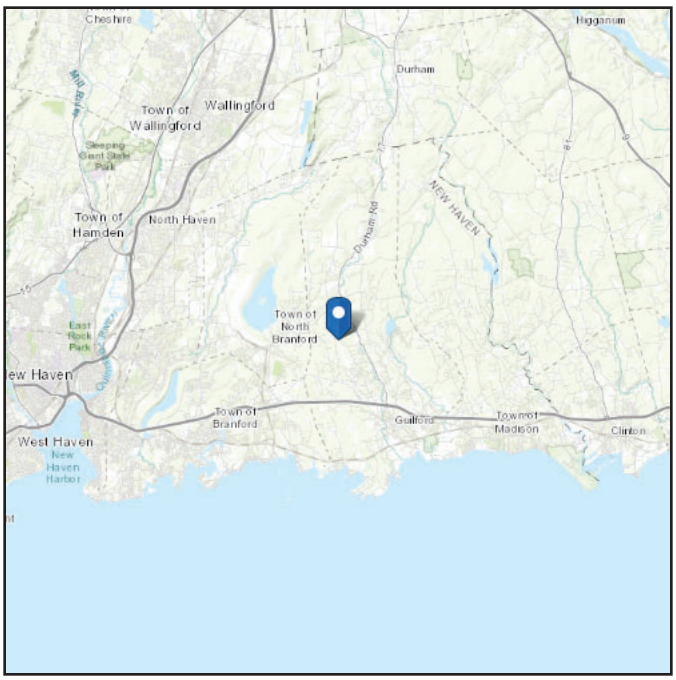
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.33	3.33	135	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3.33	5	1.67	135	150	0	38	0.000	0.000	0.00	0.00			Cohesionless
3	5	10	5	135	150	0	38	0.000	0.000	0.80	0.80			Cohesionless
4	10	15	5	75	87.6	0	38	0.000	0.000	0.80	0.80			Cohesionless
5	15	33	18	75	87.6	0	38	0.000	0.000	1.20	1.20	36.92541		Cohesionless

ASCE Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Latitude:**	41.330025
Risk Category:	II	**Longitude:**	-72.721808
Soil Class:	D - Default (see Section 11.4.3)	**Elevation:**	0 ft (NAVD 88)





Wind

Results:

Wind Speed	122 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	93 Vmph
100-year MRI	99 Vmph

Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed:	Fri Jan 12 2024

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

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

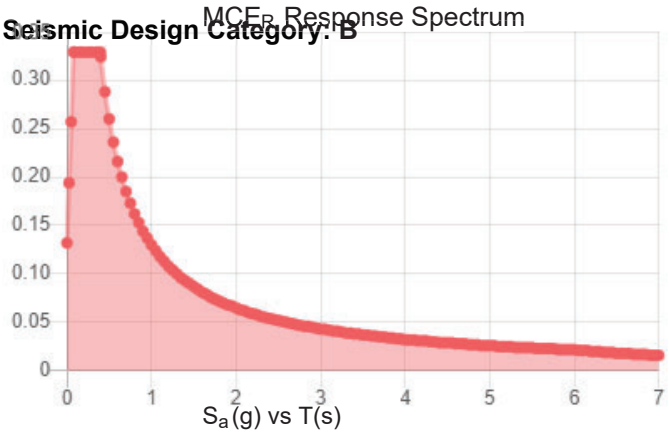
Seismic

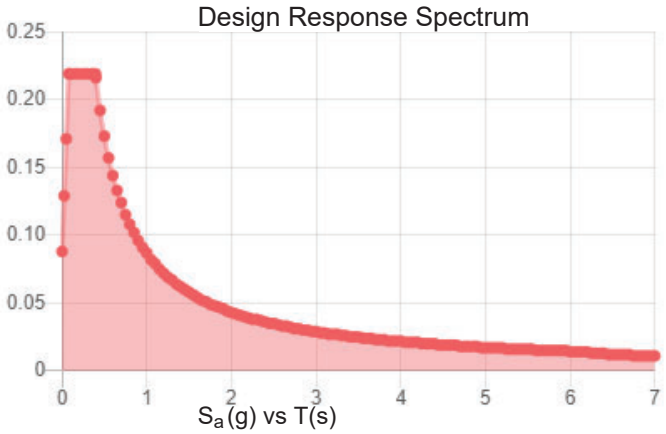
Site Soil Class: D - Default (see Section 11.4.3)

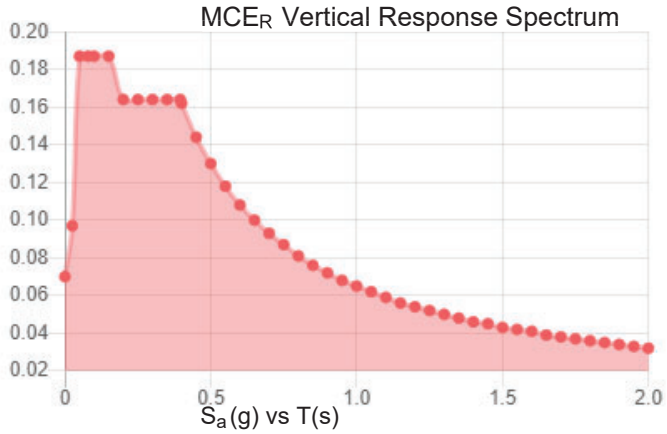
Results:

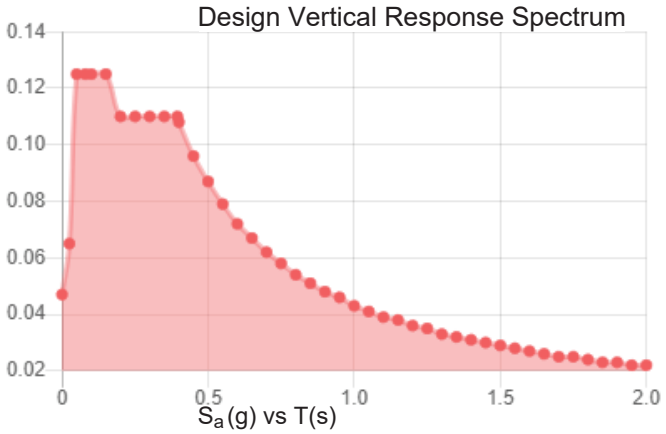
S_S :	0.206	S_{D1} :	0.087
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.115
F_v :	2.4	PGA_M :	0.181
S_{MS} :	0.329	F_{PGA} :	1.57
S_{M1} :	0.13	I_e :	1
S_{DS} :	0.219	C_v :	0.711

Seismic Design Category: B









Data Accessed: **Fri Jan 12 2024**

Date Source:

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

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Fri Jan 12 2024

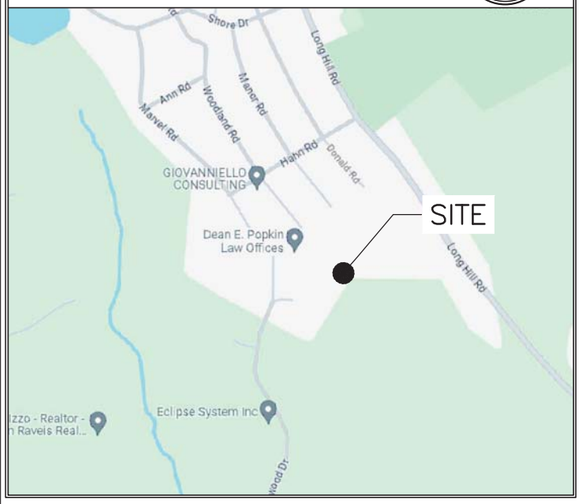
Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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.

NOTE:
AN ANALYSIS OF THE CAPACITY OF THE STRUCTURE TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY CROWN CASTLE DATED JANUARY 17, 2024.

LEASE EXHIBIT:
THIS LEASE EXHIBIT IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WIRELESS COMMUNICATION FACILITY. THE SITE LAYOUT WILL BE FINALIZED UPON COMPLETION OF THE SITE SURVEY AND FACILITY DESIGN.

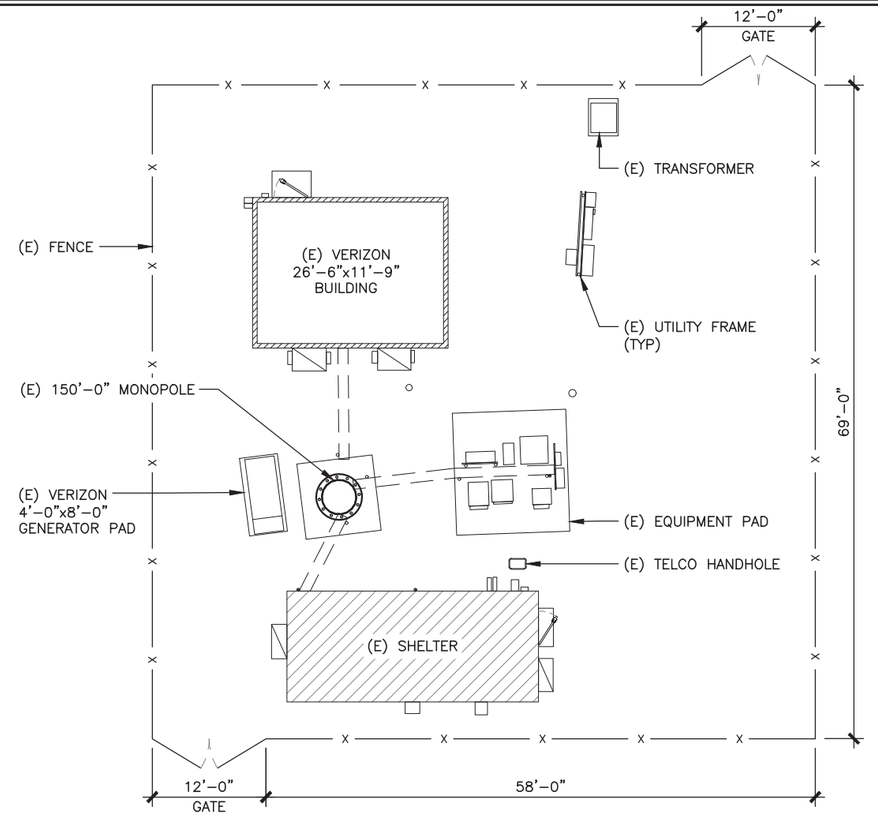
LOCATION MAP
N.T.S



APPROXIMATE COORDINATES:	LATITUDE:	41° 19' 48.09" N	41.330025° N
	LONGITUDE:	72° 43' 18.51" W	72.721808° W

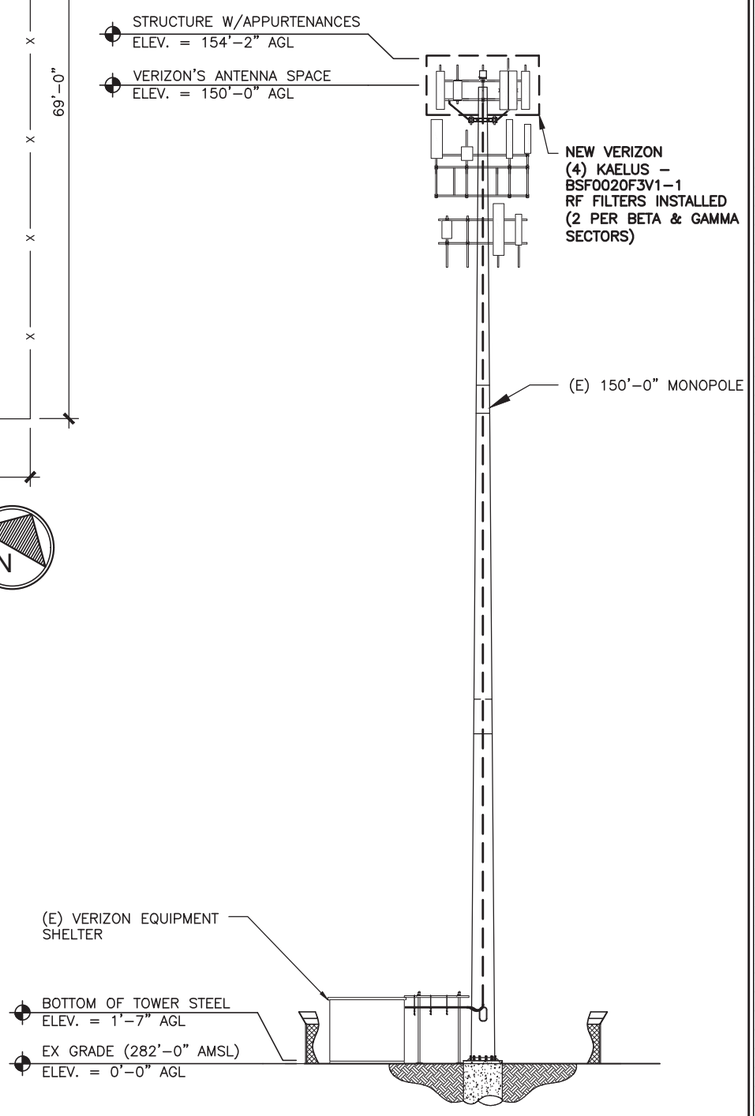
N

1 PARTIAL SITE / KEY PLAN
SCALE: N.T.S.



2 SITE PLAN
SCALE: 0' 8' 16' 32' 48'

N



3 TOWER ELEVATION
SCALE: N.T.S

verizon
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

B+T GRP
MTS ENGINEERING, P.L.L.C.
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

GUILFORD CT

131 MANOR RD
GUILFORD, CT 06437

EXISTING MONOPOLE

PROJECT NO:	137067.009.01
CHECKED BY:	LR

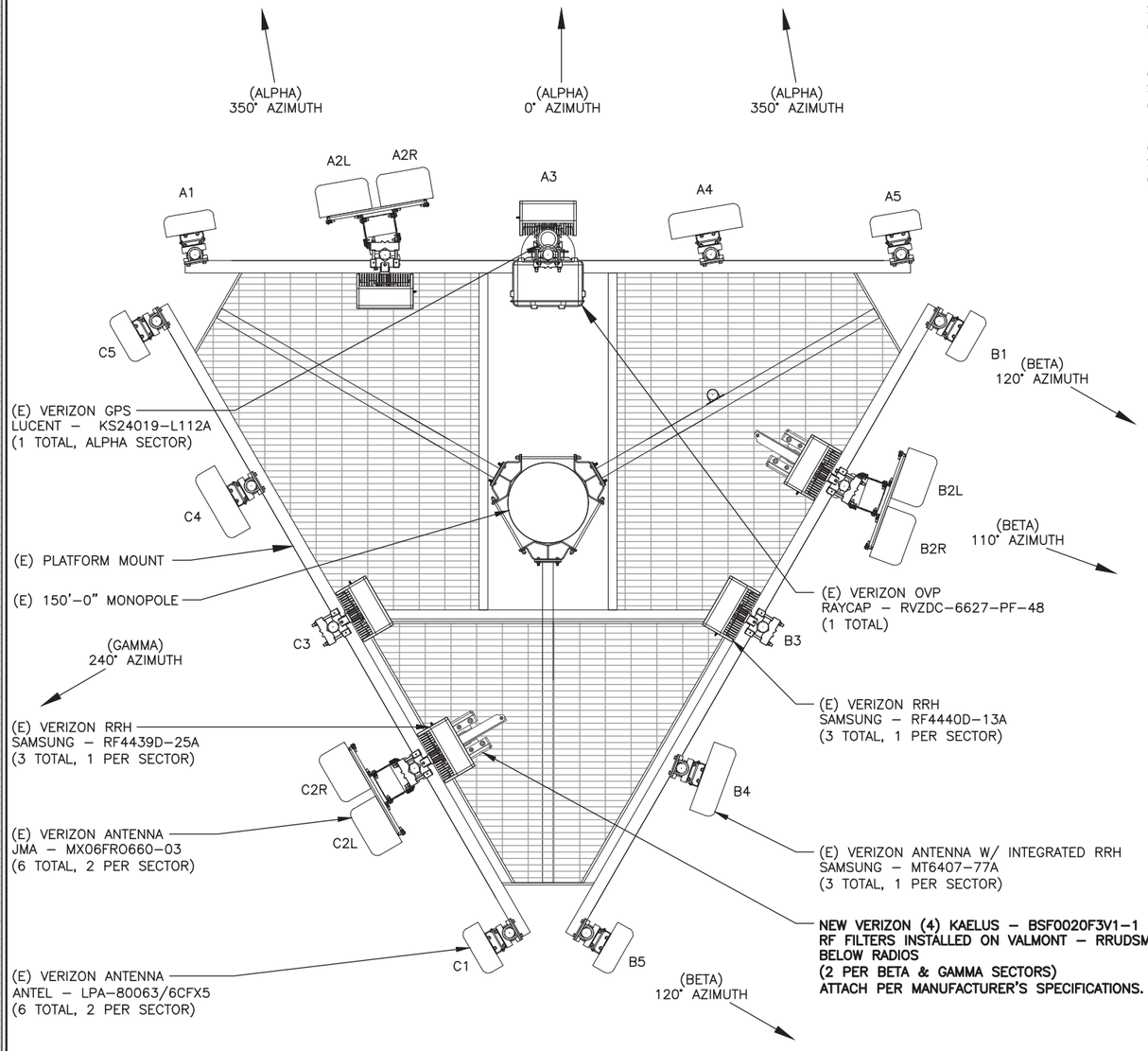
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	2/20/24	RMC	ISSUED FOR REVIEW

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

STATE OF CONNECTICUT
CHAD TYLER
No. 23924
LICENSED
PROFESSIONAL ENGINEER
2/20/24

SHEET NUMBER:	REVISION:
LE-1	0



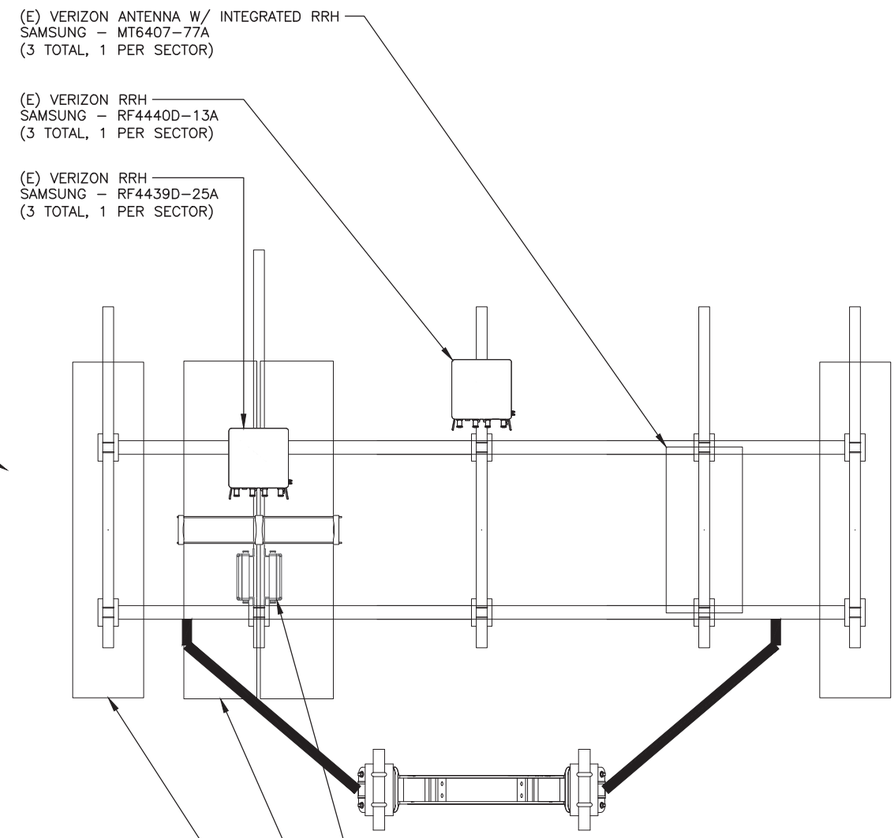
NOTE:

ANTENNA POSITIONS LABELED PER MOUNT ANALYSIS

1 NEW RF FILTER PLAN

SCALE: 0' 1' 2' 4' 8'

N



NOTE:

ELEVATION VIEW FROM BEHIND ANTENNAS

2 NEW RF FILTER ELEVATION

SCALE: 0' 1' 2' 4' 8'

verizon

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

B+T GRP

MTS ENGINEERING, P.L.L.C.
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

GUILFORD CT

131 MANOR RD
GUILFORD, CT 06437

EXISTING MONOPOLE

PROJECT NO:	137067.009.01
CHECKED BY:	LR

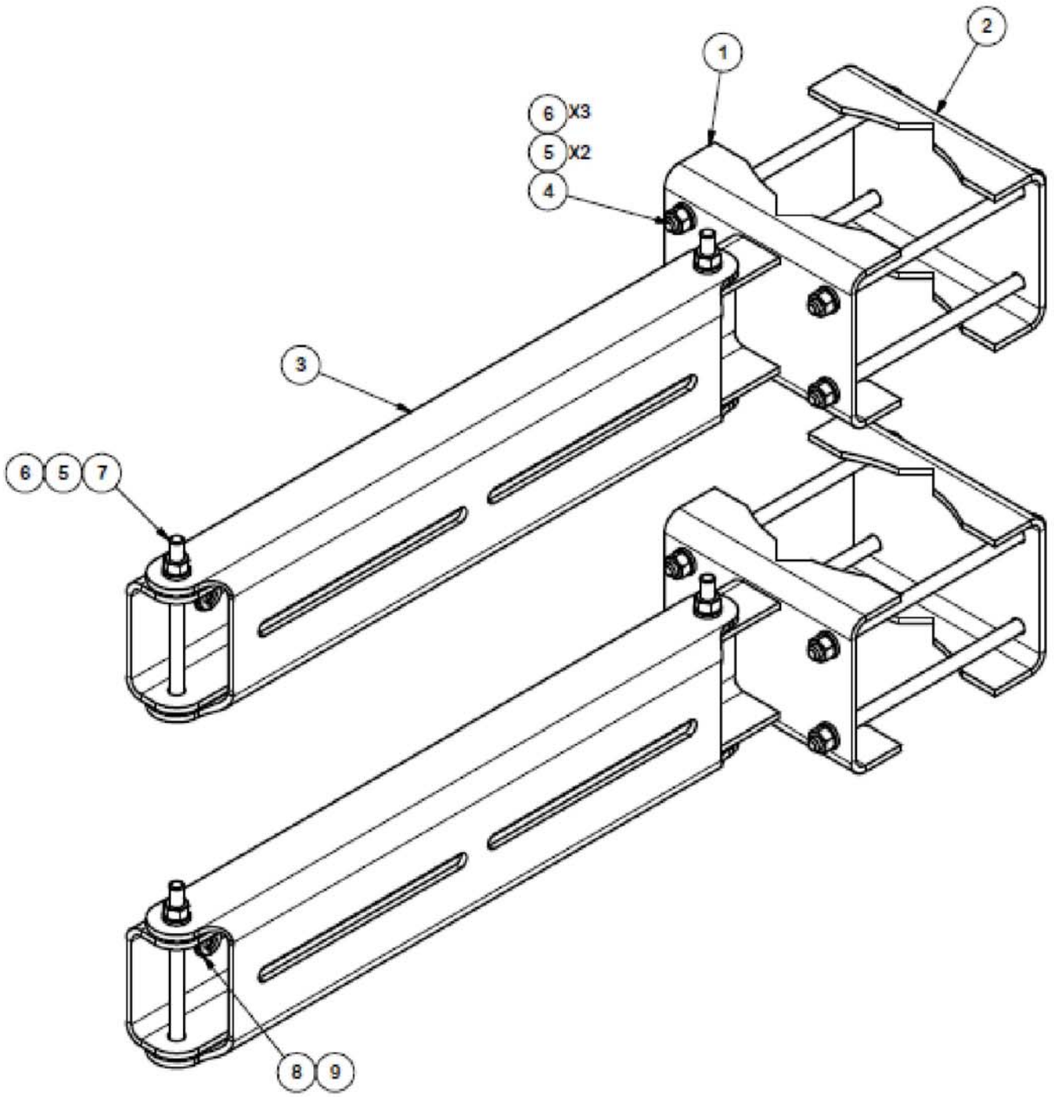
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	2/20/24	RMC	ISSUED FOR REVIEW

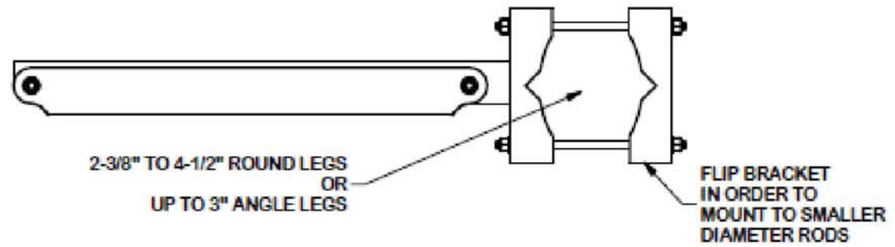
MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

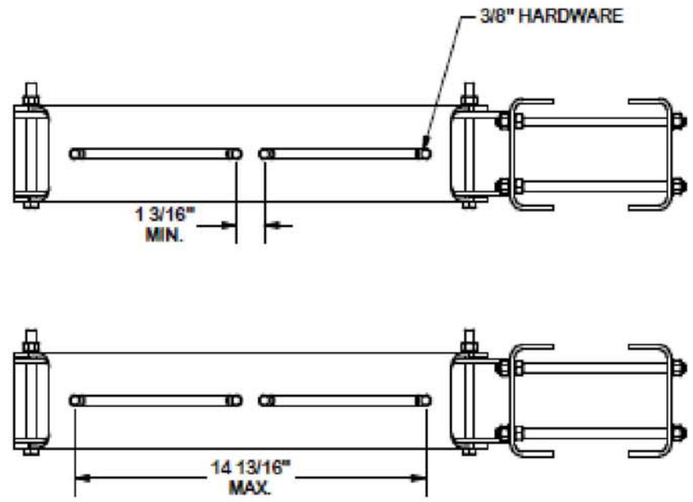
STATE OF CONNECTICUT
CHAD TUTTLE
No. 23924
LICENSED
PROFESSIONAL ENGINEER
2/20/24

SHEET NUMBER:	REVISION:
LE-2	0



PARTS LIST					
ITEM	QTY	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	MOUNTING ARM		8.99	17.97
2	2	CLAMP PLATE		2.35	4.69
3	2	SWIVEL MOUNT		6.65	13.30
4	8	3/8"-16 UNC X 8" GALV. THREADED ROD		0.25	2.00
5	20	3/8" GALV LOCK WASHER		0.01	0.13
6	28	3/8"-16 UNC GALV HEX NUT		0.02	0.52
7	4	3/8" X 5" GALV BOLT		0.18	0.71
8	8	3/8" SS FLAT WASHER		0.01	0.06
9	8	3/8" SS LOCK WASHER		0.01	0.05
				TOTAL WT. #	39.43





TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES *(± 0.030")*
DRILLED AND GAS CUT HOLES *(± 0.030")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.030")*
ALL OTHER ASSEMBLY *(± 0.060")*

DESCRIPTION: RRU DUAL SWIVEL MOUNT

SITE PRO 1 — A valmont COMPANY

Engineering Support Team: 1-888-753-7446
Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	CEK 1/12/2015		RRUDSM	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	SHOP	BMC 2/3/2015	RRUDSM

THIS CHECK PRINTED ON DOCUCHECK GHOST PAPER AND HAS A GRAPHIC WATERMARK ON REVERSE SIDE

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

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

2944335

SIX HUNDRED TWENTY FIVE AND 00/100**

DATE 03/13/24

$*******625.00

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

2695915

VP and Controller

Assist. Controller

VOID AFTER 180 DAYS

⑈2944335⑈ ⑆111000614⑆ 103410453⑈

Check No 2944335
Check Date 03/13/24

Stub 1 of 1

CKRQ ZAP 654589 806361	03/11/24	Invoice Summ	625.00	625.00
			625.00	625.00