Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
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Also admitted in Massachusetts and New York

March 20, 2024

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

Re: **Notice of Exempt Modification – Facility Modification**
330 Pokorny Road, Haddam, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a lattice telecommunications tower and associated equipment on the ground near the base of the tower. The existing lattice tower was approved by the Siting Council ("Council") in May of 2012 (Petition No. 1027) as a replacement of a then-existing guyed lattice tower at the Property. Cellco's shared use of the tower was approved by the Council in October of 2016 (PE1133-VER-20160912). Copies of the Council's Petition No. 1027 approval and Sub-Petition PE1133-VER-20160912 approval are included in Attachment 1.

Cellco's proposed modification involves the installation of six (6) interference mitigation filters ("Filters") on its existing antenna mounting assembly. The specification sheet for the new Filters is included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 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 Haddam's Chief Elected Official and Land Use Officer and the owner of the Property.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing tower. The Filters will be installed on Cellco's existing antenna mounting structure.

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The installation of Cellco's new Filters will not result in a change to radio frequency (RF) emissions from the facility. Therefore, no new RF emissions information is included in this filing.

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

6. According to the attached Structural Analysis Report ("SA") and Antenna Mount Analysis Report ("MA"), the existing tower, foundation, antenna platform and mounting assembly can support Cellco's proposed modifications. A copy of the SA and MA[1] are included in Attachment 3.

A copy of the parcel map and Property owner information is included in Attachment 4. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 5.

For the foregoing reasons, Cellco respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Robert McGarry, Haddam First Selectman
Bill Warner, Town Planner
Connecticut Light & Power (Eversource), Property Owner
Aleksey Tyurin, Verizon Wireless

[1] Note the model number listed for the Filters in the SA (BSF0020F3V1) and MA (KA-6030) are the same filter. *See* correspondence from Kaelus included in Attachment 2.

ATTACHMENT 1

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
www.ct.gov/csc

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

May 10, 2012

John R. Morissette
Manager - Transmission Siting and Permitting
Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141-0270

RE: **PETITION NO. 1027** - The Connecticut Light and Power Company petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed replacement of an existing tower located at 330 Porkony Road; Haddam, Connecticut.

Dear Mr. Morissette:

At a public meeting held on May 10, 2012, the Connecticut Siting Council (Council) considered and ruled that this proposal would not have a substantial adverse environmental effect, and pursuant to General Statutes § 16-50k would not require a Certificate of Environmental Compatibility and Public Need.

This decision was made with the condition that CL&P submit a Development and Plan indicating where plantings would be located to provide some additional screening for the facility. This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the petition, dated April 5, 2012.

Enclosed for your information is a copy of the staff report on this project.

Very truly yours,

Robert Stein
Chairman

RS/CDM/laf

Enclosure: Staff Report dated May 10, 2012

c: The Honorable Paul J. DeStefano, First Selectman, Town of Haddam
Liz Glidden, Town Planner, Town of Haddam

CSC
CONNECTICUT SITING COUNCIL

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
www.ct.gov/csc

Petition No. 1027
Connecticut Light & Power
Haddam, Connecticut
Staff Report
May 10, 2012

On April 5, 2012, the Connecticut Siting Council (Council) received a petition from The Connecticut Light & Power (CL&P) for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed replacement of an existing guyed lattice communications tower in Haddam, Connecticut. Council member Phil Ashton and Siting Analyst David Martin visited the site on May 4, 2012 to review the proposal. John Morissette and Steve Florio represented CL&P at the field review.

CL&P currently owns and operates a 280-foot guyed lattice wireless communications tower at 330 Pokorny Road in Haddam. The tower is host for a number of different antennas for several different users, including CL&P, the Connecticut State Police, Valley Shore Communications, and Sprint/Nextel. It provides critical microwave communication links for both CL&P and the State Police. A detailed structural analysis of the existing tower determined that it was overstressed and that there was no practical way of reinforcing the tower to bring it into compliance with state building code and CL&P engineering requirements.

CL&P proposes to replace the existing tower with a self-supporting lattice tower at the same height. The center of the replacement tower would be located approximately 50 feet to the west of the existing tower, which is the only location where it is possible to erect the new tower between the existing guy wires. CL&P would relocate the antennas on the existing tower onto the replacement tower. The replacement tower would also include a yield point to effectively reduce its potential fall zone and would be lit to comply with FAA requirements.

There are two fence lines on the CL&P property on which the existing tower is located. An outer fence encloses the locations where the guy wires are anchored to the ground. A smaller, inner fence encloses the existing tower and several equipment shelters. This inner fence would have to be extended a short distance to surround the proposed replacement tower. But the outer fence would remain at its current dimensions.

A number of large, single family homes have been built in the area surrounding CL&P's tower within the last twenty years. However, mature deciduous trees around the perimeter of CL&P's property help to minimize the visible impact of the tower on the nearest homes. Council member Ashton recommended that CL&P submit a D&M plan to show additional evergreen trees that would be planted within the facility's outer fence to help augment the existing vegetative screening of the tower.

The proposed replacement tower is not expected to have any substantial adverse environmental impacts. In fact, eliminating the existing guy wires will greatly reduce this wireless communications tower's potential for causing bird fatalities.

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
www.ct.gov/csc

October 11, 2016

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: **PE1133-VER-20160912** – Cellco Partnership d/b/a Verizon Wireless sub-petition for a declaratory ruling for approval of an eligible facility request for modifications to an existing telecommunications facility located at 330 Pokorny Road, Haddam, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) hereby approves your Eligible Facilities Request (EFR) to install antennas and associated equipment at the above-referenced facility pursuant to the Federal Communications Commission Wireless Infrastructure Report and Order, with the following conditions:

1. Prior to commencement of installation, Cellco shall provide one copy of the Structural Analysis Report to the Council referencing Revision G of the *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures* as adopted by the Connecticut State Building Code effective October 1, 2016;
2. All coax cables shall be routed as specified in Section 3 of the Structural Analysis Report prepared by Centek Engineering, Inc. dated April 9, 2015 and stamped by Timothy Lynn or subsequent structural analysis report in accordance with Revision G as stated in the condition above;
3. Within 45 days following completion of equipment installation, Cellco shall provide documentation that its installation complied with the recommendations of the structural analysis;
4. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
5. Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by the Petitioner shall be removed within 60 days of the date the antenna ceased to function;
6. The validity of this action shall expire one year from the date of this letter; and
7. The Petitioner may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the EFR dated September 9, 2016.

Thank you for your attention and cooperation.

Very truly yours,

Melanie Bachman
Acting Executive Director

MB/CW

c: Honorable Lizz Milardo, First Selectman, Town of Haddam
Elizabeth Glidden, Town Planner, Town of Haddam

S:\PETITIONS\1101-1200\1133\3_Subpetitions_ByTown\Haddam\PokornyRd\VERIZON\P1133-VER-20160912-dcltr-pokornyrd-haddam.docx

ATTACHMENT 2

Janunary 4, 2024

SAI Communication LLC
c/o Edward Onessimo
68 Avalon Road
Milton, MA 02186

Ref: 900 MHz Interference Mitigation Filter Part Numbers

Mr, Onessimo,

Thank you very much for reaching out to us regarding your question related to Kaelus 900 MHz Interference Mitigation Filter Part Numbers: KA-6030-2032 & BSF0020F3V1-1.

The respective part numbers are the same product only marked/labeled with difference model numbers. Kaelus developed part number: BSF0020F3V1-1 at the request of Verizon Wireless for mitigating interference associated with 900 MHz Up Link Band while allowing the 700 & 850 Up Link & Down Link to pass thru the filter. Kaelus part number BSF0020F3V1-1 was marked/labeled with part number KA-6030-2032 at the request of Verizon Wireless for inventory management & accounting purposes related to 900 MHz Interference Issues at the low end of the frequency band with Electric Companies related to deployment of certain Samsung Radios.

Attached, please find the data sheets for both Kaelus Part Numbers: KA-6030-2032 & BSF0020F3V1-1. Please review the information and contact me with any additional questions.

Again, thank you very much for contacting Kaelus.

Sincerely,

Steve Graham
Regional Sales Manager
(717) 714-4499
Steve.Graham@kaelus.com

KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The KA-6030 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the KA-6030 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the KA-6030 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

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

KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The KA-6030 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the KA-6030 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the KA-6030 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.

FEATURES

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- 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
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MTBF	>1,000,000 hours
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE

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

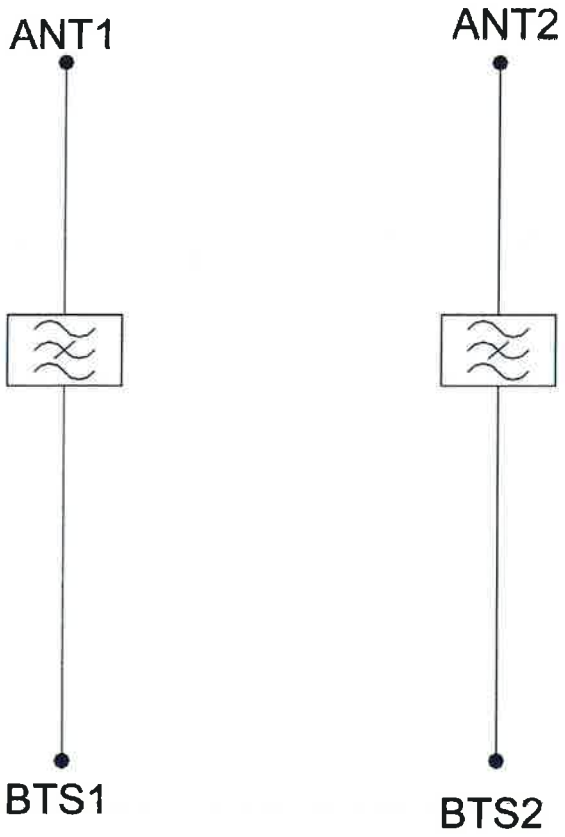
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter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

ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
KA-6030-2032	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)

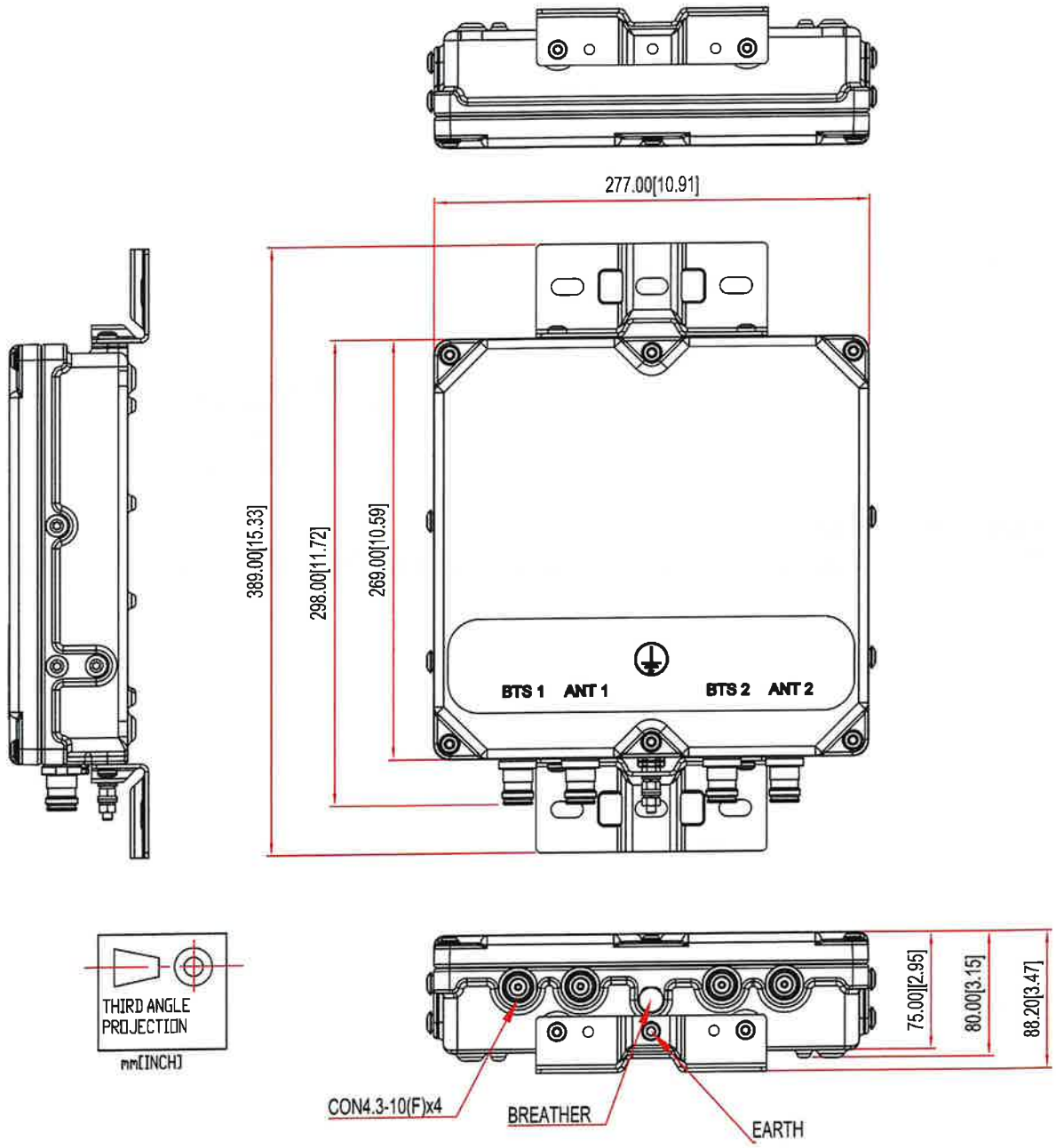
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



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
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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.

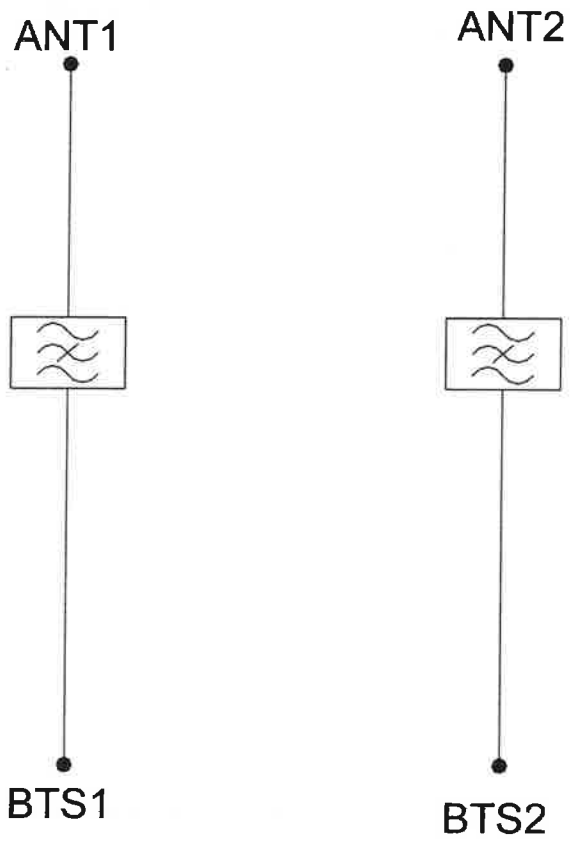
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ORDERING INFORMATION

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

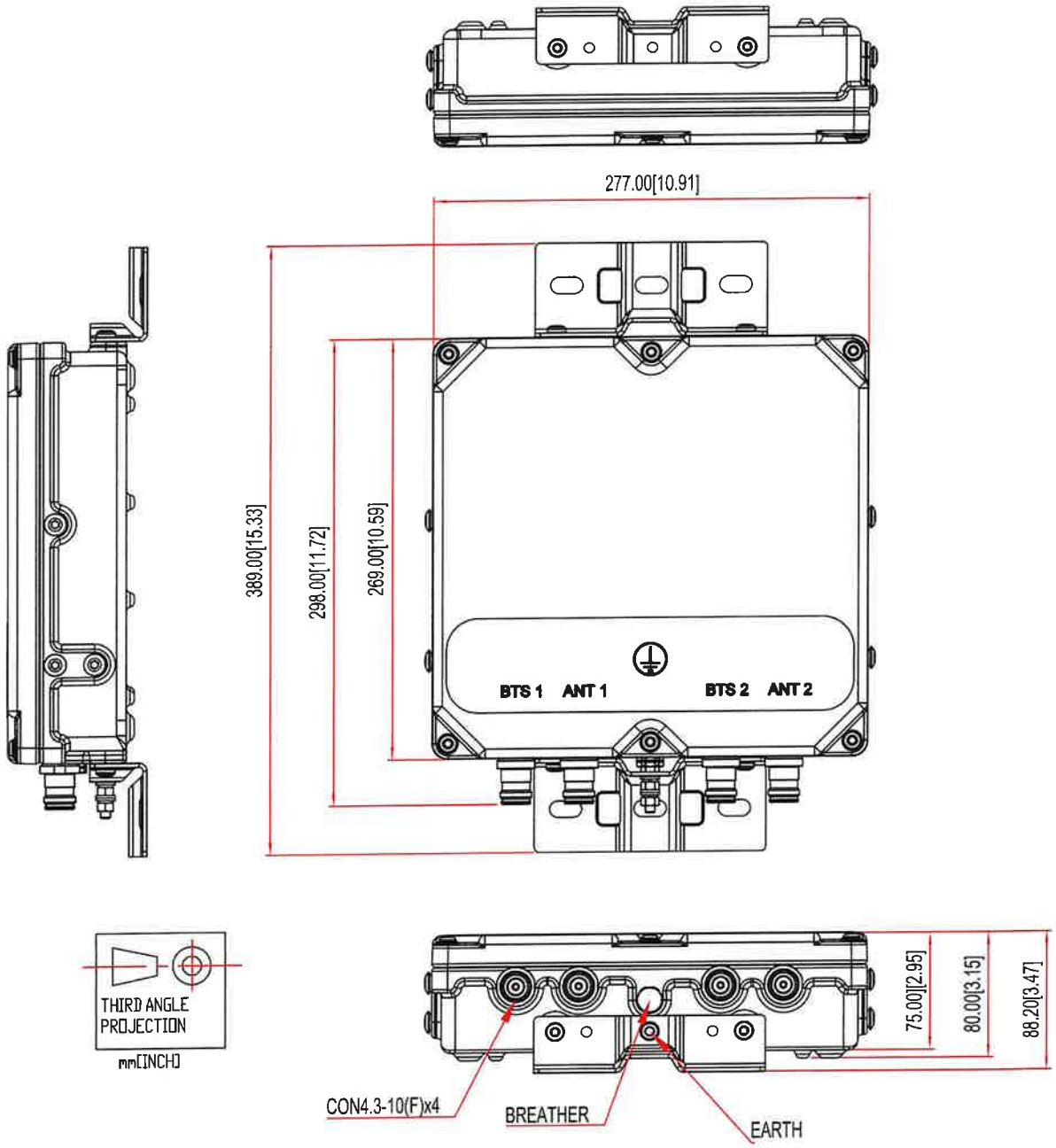
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



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

ATTACHMENT 3

PAUL J. FORD & COMPANY

Report Date: February 22, 2024

Client: Tower Engineering Professionals
ATTN: Sylvester Bhembe
45 Beechwood Dr
North Andover, MA, 1845
Phone: 978.557.5553
Email: sbhembe@tepgroup.com

Structure: 280ft Self Support Tower
FCC ASR #: 1285236
Site Name: Higganum South CT
Site Reference #: 5000233234
Site Address: 330 Porkorny St
City, County, State: Haddam, Middlesex, CT
Latitude, Longitude: 41.443583, -72.566361

PJF Project Number: A00024-0021.001.8700

Paul J. Ford and Company is pleased to submit this **Structural Analysis Report** to determine the tower stress level.

Analysis Criteria:
This analysis utilizes an ultimate 3-second gust wind speed of 135 mph as required by the 2022 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Proposed Appurtenance Loads:
The structure was analyzed with the proposed loading configuration shown in Table 1 combined with the other considered equipment shown in Table 2 of this report.

Summary of Analysis Results:

Existing Structure:	Pass	74.0%
Existing Foundation:	Pass	93.9%

We at Paul J. Ford and Company appreciate the opportunity of providing our continuing professional services to you and Tower Engineering Professionals. If you have any questions or need further assistance on this or any other projects, please give us a call.

Respectfully Submitted By:
Paul J. Ford and Company

STATE OF CONNECTICUT
THOMAS J. DEHNKE
36041
LICENSED PROFESSIONAL ENGINEER
02/22/2024

Thomas J. Dehnke, P.E.
Project Manager
tdehnke@pauljford.com NDC

TABLE OF CONTENTS

1) INTRODUCTION

This is a 280ft Self Support Tower designed by Valmont in February of 2012.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	III
Wind Speed:	135 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1 in
Ice Wind Speed:	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)
145.0	145.0	3	commscope	LNX-6515DS-A1M w/ Mount Pipe	3	HYBRID
		6	commscope	NHH-65C-R2B w/ Mount Pipe		
		6	kaelus	BSF0020F3V1-1		
		1	mounts	Site Pro 1_VFA12-RRU_Sector_(3)		
		3	raycap	RC3DC-3315-PF-48		
		3	samsung	B2/B66A RRH-BR049		
		3	samsung	B5/B13 RRH-BR04C		
		3	samsung	MT6407-77A w/ Mount Pipe		

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)
280.0	290.0	1	telwave	ANT150F6-3	1 2	7/8 1-5/8
		1	decibel	DB538-G		
	285.0	1	Kreco	Kreco CO-35A		
	280.0	3	tower mounts	4' x 2" Std. Pipe Mount		
277.0	277.0	1	rfs celwave	PAL8-59	2	EW63
		1	tower mounts	8' x 2" Sch 40 Pipe Mount		
276.0	276.0	1	rfs celwave	PAL8-59	-	-
		1	tower mounts	8' x 2" Sch 40 Pipe Mount		
260.0	265.0	1	decibel	DB589-Y	2 1	1-5/8 1/2
	260.0	1	-	12" x 16" x 4" TMA		
		1	tower mounts	6' Side Arm Mount		
	255.0	1	decibel	DB589-Y		
257.0	262.0	2	-	10' 8-Bay Dipole	2	7/8
	257.0	1	tower mounts	6' Side Arm Mount		
254.0	254.0	1	decibel	DB212-C	1	7/8
		1	tower mounts	6' Side Arm Mount		
252.0	252.0	1	rfs celwave	PADX6-59AC	2	EW63
		1	tower mounts	8' x 2" Sch 40 Pipe Mount		
240.0	248.0	1	sinclair	SD110-SFXPASNM	2	7/8
	247.0	1	kreco	CO-36A		
	240.0	2	tower mounts	6' Side Arm Mount		
228.0	228.0	1	tower mounts	3' Side Arm Mount	1	7/8
		1	comprod	Comprod 531-70HD		
220.0	220.0	1	rfs celwave	PAL8-59	1 1	EW63 7/8
		1	tower mounts	8' x 2" Sch 40 Pipe Mount		
216.0	224.0	1	sinclair	SD110-SFXPASNM	2	7/8
	220.0	1	telewave	ANT450F6		
	216.0	2	tower mounts	6' Side Arm Mount		
203.0	203.0	1	-	TMA (16" x 12" x 6")	1	1-5/8
		1	tower mounts	6' Side Arm Mount		
	198.0	1	sinclair	SC479-HF1LDF(DXX-E5765)		
200.0	204.0	1	-	96" x 4" x 6" Panel	2 1	1-5/8 1/2
	200.0	1	tower mounts	3' Side Arm Mount		
		1	-	TMA (16" x 12" x 6")		
	195.0	1	sinclair	SC479-HF1LDF(DXX-E5765)		
197.0	197.0	1	rfs celwave	PAL6	1	EW63
		1	tower mounts	8' x 2" Sch 40 Pipe Mount		
195.0	195.0	1	rfs celwave	PAD10-59AC	1	EW63
		1	tower mounts	8' x 2" Sch 40 Pipe Mount		

Table 2 - Other Considered Equipment, Continued

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
175.0	181.0	1	antel	BCR-80010:90	4 2	1-5/8 1/2
		1	sinclair	SC479-HF1LDF		
	175.0	1	-	TMA (16" x 12" x 6")		
		2	tower mounts	6' Side Arm Mount		
	169.0	1	antel	BCR-80010:90		
		1	sinclair	SC479-HF1LDF		
165.0	168.0	1	telewave	ANT450F6	1	7/8
	165.0	1	-	3' Side Arm Mount		
162.0	162.0	1	rfs celwave	PA6-65AC	1	EW63
		1	tower mounts	8' x 2" Sch 40 Pipe Mount		
155.0	155.0	3	ericsson	AIR 6449 B41 w/ Mount Pipe	3	HYBRID
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	ericsson	RADIO 4480 B71_TMO		
		3	rfs celwave	APXVAALL24_43-U-NA20 w/ Mount Pipe		
		3	tower mounts	Site Pro 1 VFA12-HD		
128.0	128.0	1	tower mounts	Side Arm Mount [SO 311-1]	-	-
126.0	126.0	1	kathrein	PRF-950	1	7/8
		1	tower mounts	6' Side Arm Mount		
125.0	131.0	1	kreco	CO-36A	1	7/8
	125.0	1	tower mounts	6' Side Arm Mount		
124.0	128.0	1	telewave	ANT450F6	1	7/8
	124.0	1	tower mounts	6' Side Arm Mount		
123.0	123.0	1	rfs celwave	SBX4-W60AC2	1	E60
		1	tower mounts	8' x 2" Sch 40 Pipe Mount		
118.0	118.0	1	-	3' Side Arm Mount	1	7/8
		1	kathrein	ANT400D		
		2	kathrein	ANT400D3		
117.0	117.0	1	-	3' Side Arm Mount	1	7/8
		1	kathrein	PRF-950		
104.0	104.0	1	rfs celwave	PA6-65AC	1	EW63
		1	tower mounts	8' x 2" Sch 40 Pipe Mount		
95.0	98.0	1	Browning	BR6155	1	7/8
	95.0	1	-	3' Side Arm Mount		
55.0	55.0	1	-	3' Side Arm Mount	1	7/8
		1	-	ANT400D3		
50.0	55.0	1	telwave	Telewave ANT790	1	1/2
	50.0	1	-	3' Side Arm Mount		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference
Tower Manufacturer Drawings	Valmont, 2/29/2012	240898
Geotechnical Report	8/1/2011	-
Structural Analysis	Black & Veatch, 3/12/2019	400056
Mount Modifications	Maser, 4/16/2021	Higganum South CT
Tower Inventory Mapping	HDG, 4/20/2021	Higganum South CT
Mount Analysis Report	Colliers, 12/01/2023	Higganum South CT
Construction Drawings	Hudson Design Group, 2/06/2024	Higganum South CT

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A.

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. Paul J. Ford and Company should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
T1	280 - 270	Leg	Valmont 207628 (12x1.25)	2	29.8	142.49	29.8	Pass
T2	270 - 260	Leg	Valmont 207628 (12x1.25)	17	7.5	142.49	7.5	Pass
T3	260 - 240	Leg	Valmont 207628 (12x1.25)	30	31.2	142.49	31.2	Pass
T4	240 - 220	Leg	Valmont 207628 (12x1.25)	43	42.1	142.49	42.1	Pass
T5	220 - 210	Leg	Valmont 195557 (12x1.75)	64	40.1	301.49	40.1	Pass
T6	210 - 200	Leg	Valmont 195557 (12x1.75)	73	41.4	301.49	41.4	Pass
T7	200 - 180	Leg	Valmont 211843 (12x2)	85	56.0	356.29	56.0	Pass
T8	180 - 160	Leg	Valmont 208334 (12x2.25)	94	39.8	451.15	39.8	Pass
T9	160 - 140	Leg	Valmont 208334 (12x2.25)	103	74.0	451.15	74.0	Pass
T10	140 - 120	Leg	Valmont 208335 (12x2.5)	112	50.8	557.27	50.8	Pass
T11	120 - 100	Leg	Valmont 208337 (12x2.75)	121	50.8	674.68	50.8	Pass
T12	100 - 80	Leg	Valmont 208338 (12x3)	130	50.3	803.44	50.3	Pass
T13	80 - 60	Leg	Valmont 208338 (12x3)	139	57.9	803.44	57.9	Pass
T14	60 - 40	Leg	Valmont 208339 (12x3.25)	148	55.8	943.57	55.8	Pass
T15	40 - 20	Leg	Valmont 208339 (12x3.25)	157	62.5	943.57	62.5	Pass
T16	20 - 0	Leg	Valmont 208339 (12x3.25)	166	68.7	943.57	68.7	Pass
T1	280 - 270	Diagonal	L 3 x 3 x 5/16	9	14.1	21.96	14.1	Pass
T2	270 - 260	Diagonal	L 3 x 3 x 5/16	21	20.0	19.76	20.0	Pass
T3	260 - 240	Diagonal	L 3 x 3 x 5/16	36	39.3	16.15	39.3	Pass
T4	240 - 220	Diagonal	L 4 x 4 x 1/4	52	33.8	26.54	33.8	Pass
T5	220 - 210	Diagonal	L 4 x 4 x 1/4	67	42.4	24.26	42.4	Pass
T6	210 - 200	Diagonal	L 4 x 4 x 1/4	76	48.9	22.24	48.9	Pass
T7	200 - 180	Diagonal	2L 3.5 x 3.5 x 1/4 (3/8)	89	53.5	34.61	53.5	Pass
T8	180 - 160	Diagonal	2L 3.5 x 3.5 x 1/4 (3/8)	98	63.7	31.42	63.7	Pass
T9	160 - 140	Diagonal	2L 4 x 4 x 1/4 (3/8)	107	60.4	41.27	60.4	Pass
T10	140 - 120	Diagonal	2L 4 x 4 x 3/8 (1/2)	116	49.3	58.42	49.3	Pass
T11	120 - 100	Diagonal	2L 4 x 4 x 3/8 (1/2)	125	56.4	53.60	56.4	Pass
T12	100 - 80	Diagonal	2L 5 x 5 x 5/16 (1/2)	134	42.6	75.43	42.6	Pass
T13	80 - 60	Diagonal	2L 5 x 5 x 5/16 (1/2)	143	48.1	69.37	48.1	Pass
T14	60 - 40	Diagonal	2L 5 x 5 x 5/16 (1/2)	152	54.9	63.90	54.9	Pass
T15	40 - 20	Diagonal	2L 5 x 5 x 5/16 (1/2)	161	60.4	58.96	60.4	Pass
T16	20 - 0	Diagonal	2L 5 x 5 x 5/16 (1/2)	170	69.9	54.49	69.9	Pass
T1	280 - 270	Secondary Horizontal	L 2.5 x 2.5 x 5/16	14	9.3	13.58	9.3	Pass
T2	270 - 260	Secondary Horizontal	L 2.5 x 2.5 x 5/16	25	1.7	11.43	1.7	Pass
T6	210 - 200	Secondary Horizontal	L 5 x 5 x 3/8	84	3.2	52.71	3.2	Pass
T1	280 - 270	Top Girt	L 3.5 x 3.5 x 5/16	6	2.8	17.38	2.8	Pass
T4	240 - 220	Top Girt	L 5 x 5 x 3/8	47	4.5	32.69	4.5	Pass
T4	240 - 220	Mid Girt	L 5 x 5 x 3/8	50	7.2	28.65	7.2	Pass
							Summary	
						Leg (T9)	74.0	Pass
						Diagonal (T16)	69.9	Pass
						Secondary Horizontal (T1)	9.3	Pass
						Top Girt (T4)	4.5	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
						Mid Girt (T4)	7.2	Pass
						Bolt Checks	67.5	Pass
						Rating =	74.0	Pass

Table 5 - Tower Component Stresses vs Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	53.4	Pass
1	Base Foundation (Structure)	0	93.9	Pass
1	Base Foundation (Soil Interaction)	0	54.9	Pass

Structure Rating (max from all components) =	93.9%

Notes:

- All structural ratings are per TIA-222-H Section 15.5

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

4.1) Recommendations

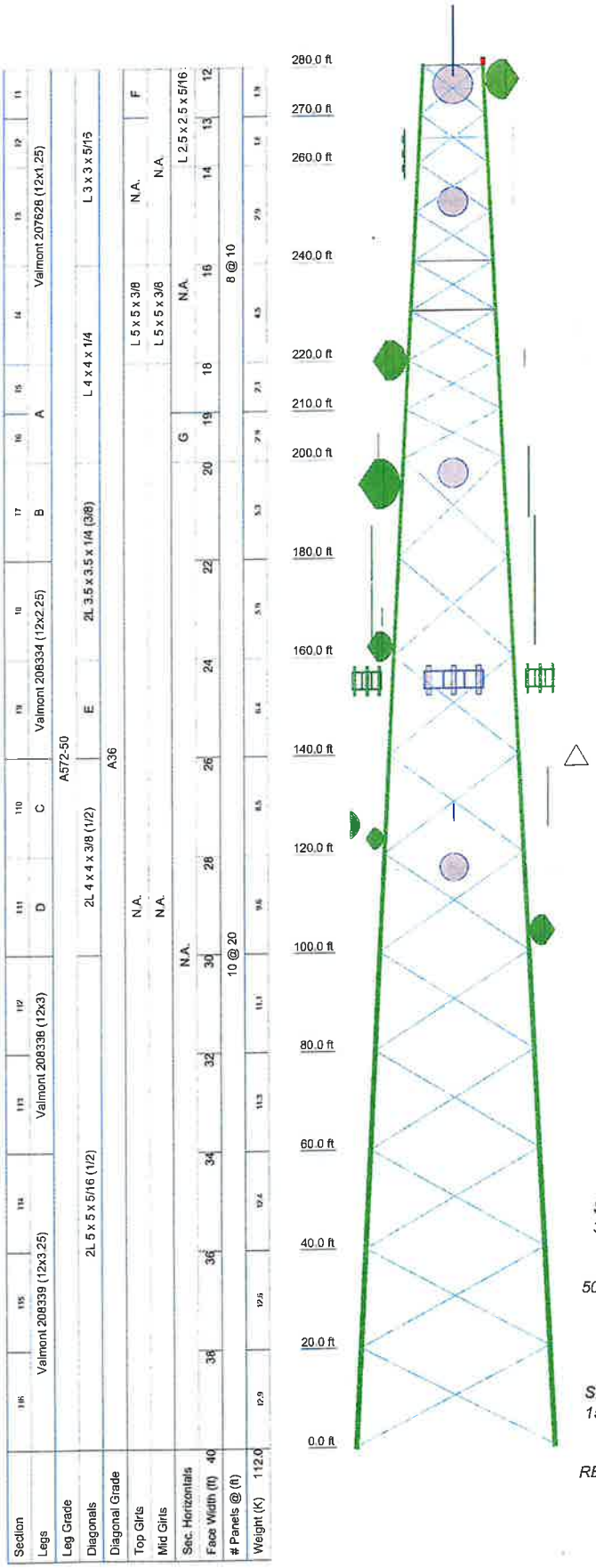
The tower and its foundation(s) have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

STANDARD CONDITIONS FOR FURNISHING OF PROFESSIONAL ENGINEERING SERVICES ON EXISTING STRUCTURES BY PAUL J. FORD AND COMPANY

1) Paul J. Ford and Company has not made a field inspection to verify the tower member sizes or the antenna/coax loading. If the existing conditions are not as represented on these sketches, we should be contacted immediately to reevaluate any conclusions stated in this report.
2) No allowance was made for any damaged, missing, or rusted materials. The analysis of this structure assumes that no physical deterioration has occurred in any of the structural components of the tower and that all the structural members have the same load carrying capacity as the day the tower was erected.
3) It is not possible to have all the detailed information to perform a thorough analysis of every structural sub-component of an existing structure. The structural analysis provided by Paul J. Ford and Company verifies the adequacy of the main structural members of the tower. Paul J. Ford and Company provides a limited scope of service in that we cannot verify the adequacy of every weld, plate connection detail, etc.
4) Miscellaneous items such as antenna mounts, etc., have not been designed or detailed as part of our work. We recommend that material of adequate size and strength be purchased from a reputable tower manufacturer.

APPENDIX A

TNXTOWER OUTPUT



SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	Valmont 195557 (12x1.75)	E	2L 4 x 4 x 1/4 (3/8)
B	Valmont 211843 (12x2)	F	L 3.5 x 3.5 x 5/16
C	Valmont 208335 (12x2.5)	G	L 5 x 5 x 3/8
D	Valmont 208337 (12x2.75)		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

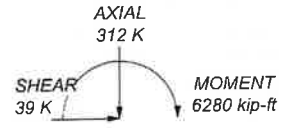
TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 135 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category III.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 74%

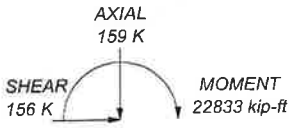
ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 712 K
SHEAR: 94 K

UPLIFT: -573 K
SHEAR: 81 K



TORQUE 102 kip-ft
50 mph WIND - 1.0000 in ICE



TORQUE 325 kip-ft
REACTIONS - 135 mph WIND

Paul J. Ford & Company
250 East Broad Street, Suite 600
Columbus, OH 43215
Phone: 614.221.6679
FAX:

Job: 280-ft Self Support Tower Haddam, CT			
Project: 00024-0021 Higganum South CT			
Client: Tower Engineering Professionals	Drawn by: tdehnke	App'd:	
Code: TIA-222-H	Date: 02/22/24	Scale: NTS	
Path:		Dwg No. E-1	

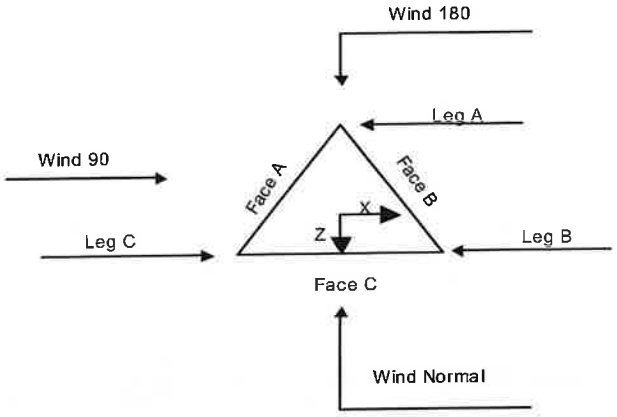
Tower Input Data

The main tower is a 3x free standing tower with an overall height of 280.00 ft above the ground line.
The base of the tower is set at an elevation of 0.00 ft above the ground line.
The face width of the tower is 12.00 ft at the top and 40.00 ft at the base.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

1) Tower is located in Middlesex County, Connecticut.
2) Tower base elevation above sea level: 658.00 ft.
3) Basic wind speed of 135 mph.
4) Risk Category III.
5) Exposure Category C.
6) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
7) Topographic Category: 1.
8) Crest Height: 0.00 ft.
9) Nominal ice thickness of 1.0000 in.
10) Ice thickness is considered to increase with height.
11) Ice density of 56 pcf.
12) A wind speed of 50 mph is used in combination with ice.
13) Deflections calculated using a wind speed of 60 mph.
14) A non-linear (P-delta) analysis was used.
15) Pressures are calculated at each section.
16) Stress ratio used in tower member design is 1.05.
17) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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



Triangular Tower

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	ft			ft		ft
T1	280.00-270.00			12.00	1	10.00
T2	270.00-260.00			13.00	1	10.00
T3	260.00-240.00			14.00	1	20.00
T4	240.00-220.00			16.00	1	20.00
T5	220.00-210.00			18.00	1	10.00
T6	210.00-200.00			19.00	1	10.00
T7	200.00-180.00			20.00	1	20.00
T8	180.00-160.00			22.00	1	20.00
T9	160.00-140.00			24.00	1	20.00
T10	140.00-120.00			26.00	1	20.00
T11	120.00-100.00			28.00	1	20.00
T12	100.00-80.00			30.00	1	20.00
T13	80.00-60.00			32.00	1	20.00
T14	60.00-40.00			34.00	1	20.00
T15	40.00-20.00			36.00	1	20.00
T16	20.00-0.00			38.00	1	20.00

Tower Section Geometry *(cont'd)*

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in
T1	280.00-270.00	10.00	X Brace	No	Yes	0.0000	0.0000
T2	270.00-260.00	10.00	X Brace	No	Yes	0.0000	0.0000
T3	260.00-240.00	10.00	X Brace	No	No	0.0000	0.0000
T4	240.00-220.00	10.00	X Brace	No	No	0.0000	0.0000

Tower Section	Tower Elevation ft	Diagonal Spacing ft	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset in	Bottom Girt Offset in
T5	220.00-210.00	10.00	X Brace	No	No	0.0000	0.0000
T6	210.00-200.00	10.00	X Brace	No	Yes	0.0000	0.0000
T7	200.00-180.00	20.00	X Brace	No	No	0.0000	0.0000
T8	180.00-160.00	20.00	X Brace	No	No	0.0000	0.0000
T9	160.00-140.00	20.00	X Brace	No	No	0.0000	0.0000
T10	140.00-120.00	20.00	X Brace	No	No	0.0000	0.0000
T11	120.00-100.00	20.00	X Brace	No	No	0.0000	0.0000
T12	100.00-80.00	20.00	X Brace	No	No	0.0000	0.0000
T13	80.00-60.00	20.00	X Brace	No	No	0.0000	0.0000
T14	60.00-40.00	20.00	X Brace	No	No	0.0000	0.0000
T15	40.00-20.00	20.00	X Brace	No	No	0.0000	0.0000
T16	20.00-0.00	20.00	X Brace	No	No	0.0000	0.0000

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 280.00-270.00	Truss Leg	Valmont 207628 (12x1.25)	A572-50 (50 ksi)	Single Angle	L 3 x 3 x 5/16	A36 (36 ksi)
T2 270.00-260.00	Truss Leg	Valmont 207628 (12x1.25)	A572-50 (50 ksi)	Single Angle	L 3 x 3 x 5/16	A36 (36 ksi)
T3 260.00-240.00	Truss Leg	Valmont 207628 (12x1.25)	A572-50 (50 ksi)	Single Angle	L 3 x 3 x 5/16	A36 (36 ksi)
T4 240.00-220.00	Truss Leg	Valmont 207628 (12x1.25)	A572-50 (50 ksi)	Single Angle	L 4 x 4 x 1/4	A36 (36 ksi)
T5 220.00-210.00	Truss Leg	Valmont 195557 (12x1.75)	A572-50 (50 ksi)	Single Angle	L 4 x 4 x 1/4	A36 (36 ksi)
T6 210.00-200.00	Truss Leg	Valmont 195557 (12x1.75)	A572-50 (50 ksi)	Single Angle	L 4 x 4 x 1/4	A36 (36 ksi)
T7 200.00-180.00	Truss Leg	Valmont 211843 (12x2)	A572-50 (50 ksi)	Double Angle	2L 3.5 x 3.5 x 1/4 (3/8)	A36 (36 ksi)
T8 180.00-160.00	Truss Leg	Valmont 208334 (12x2.25)	A572-50 (50 ksi)	Double Angle	2L 3.5 x 3.5 x 1/4 (3/8)	A36 (36 ksi)
T9 160.00-140.00	Truss Leg	Valmont 208334 (12x2.25)	A572-50 (50 ksi)	Double Angle	2L 4 x 4 x 1/4 (3/8)	A36 (36 ksi)
T10 140.00-120.00	Truss Leg	Valmont 208335 (12x2.5)	A572-50 (50 ksi)	Double Angle	2L 4 x 4 x 3/8 (1/2)	A36 (36 ksi)
T11 120.00-100.00	Truss Leg	Valmont 208337 (12x2.75)	A572-50 (50 ksi)	Double Angle	2L 4 x 4 x 3/8 (1/2)	A36 (36 ksi)
T12 100.00-80.00	Truss Leg	Valmont 208338 (12x3)	A572-50 (50 ksi)	Double Angle	2L 5 x 5 x 5/16 (1/2)	A36 (36 ksi)
T13 80.00-60.00	Truss Leg	Valmont 208338 (12x3)	A572-50 (50 ksi)	Double Angle	2L 5 x 5 x 5/16 (1/2)	A36 (36 ksi)
T14 60.00-40.00	Truss Leg	Valmont 208339 (12x3.25)	A572-50 (50 ksi)	Double Angle	2L 5 x 5 x 5/16 (1/2)	A36 (36 ksi)
T15 40.00-20.00	Truss Leg	Valmont 208339 (12x3.25)	A572-50 (50 ksi)	Double Angle	2L 5 x 5 x 5/16 (1/2)	A36 (36 ksi)
T16 20.00-0.00	Truss Leg	Valmont 208339 (12x3.25)	A572-50 (50 ksi)	Double Angle	2L 5 x 5 x 5/16 (1/2)	A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 280.00-270.00	Equal Angle	L 3.5 x 3.5 x 5/16	A36 (36 ksi)	Single Angle		A36 (36 ksi)
T4 240.00-220.00	Single Angle	L 5 x 5 x 3/8	A36 (36 ksi)	Single Angle		A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
T4 240.00-220.00	1	Single Angle	L 5 x 5 x 3/8	A36 (36 ksi)	Single Angle		A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
T1 280.00-270.00	Single Angle	L 2.5 x 2.5 x 5/16	A36 (36 ksi)	Single Angle		A36 (36 ksi)
T2 270.00-260.00	Single Angle	L 2.5 x 2.5 x 5/16	A36 (36 ksi)	Single Angle		A36 (36 ksi)
T6 210.00-200.00	Single Angle	L 5 x 5 x 3/8	A36 (36 ksi)	Single Angle		A36 (36 ksi)

Tower Section Geometry *(cont'd)*

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
T1 280.00-270.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T2 270.00-260.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T3 260.00-240.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T4 240.00-220.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T5 220.00-210.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T6 210.00-200.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T7 200.00-180.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T8 180.00-160.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt

Tower Elevation ft	Gusset Area (per face) ft²	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
T9 160.00-140.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T10 140.00-120.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T11 120.00-100.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T12 100.00-80.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T13 80.00-60.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T14 60.00-40.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T15 40.00-20.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt
T16 20.00-0.00	0.00	0.5000	A36 (36 ksi)	1	1	1.1	Mid-Pt	Mid-Pt	Mid-Pt

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X Y	K Brace Diags X Y	Single Diags X Y	Girts X Y	Horiz. X Y	Sec. Horiz. X Y	Inner Brace X Y
T1 280.00-270.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T2 270.00-260.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T3 260.00-240.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T4 240.00-220.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T5 220.00-210.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T6 210.00-200.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T7 200.00-180.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T8 180.00-160.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T9 160.00-140.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T10 140.00-120.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T11 120.00-100.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T12 100.00-80.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T13 80.00-60.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T14 60.00-40.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T15 40.00-20.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T16 20.00-0.00	Yes	Yes	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1

[1]*Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.*

Tower Section Geometry *(cont'd)*

	Truss-Leg K Factors					
	Truss-Legs Used As Leg Members			Truss-Legs Used As Inner Members		
Tower Elevation ft	Leg Panels	X Brace Diagonals	Z Brace Diagonals	Leg Panels	X Brace Diagonals	Z Brace Diagonals
T1 280.00-270.00	1	0.5	0.85	1	1	1
T2 270.00-260.00	1	0.5	0.85	1	1	1
T3 260.00-240.00	1	0.5	0.85	1	1	1
T4 240.00-220.00	1	0.5	0.85	1	1	1
T5 220.00-210.00	1	0.5	0.85	1	1	1
T6 210.00-200.00	1	0.5	0.85	1	1	1
T7 200.00-180.00	1	0.5	0.85	1	1	1
T8 180.00-160.00	1	0.5	0.85	1	1	1
T9 160.00-140.00	1	0.5	0.85	1	1	1
T10 140.00-120.00	1	0.5	0.85	1	1	1
T11 120.00-100.00	1	0.5	0.85	1	1	1
T12 100.00-80.00	1	0.5	0.85	1	1	1
T13 80.00-60.00	1	0.5	0.85	1	1	1
T14 60.00-40.00	1	0.5	0.85	1	1	1
T15 40.00-20.00	1	0.5	0.85	1	1	1
T16 20.00-0.00	1	0.5	0.85	1	1	1

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 280.00-270.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2 270.00-260.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 260.00-240.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 240.00-220.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 220.00-210.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T6 210.00-200.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 200.00-180.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 180.00-160.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 160.00-140.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 140.00-120.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T11 120.00-100.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T12 100.00-80.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T13 80.00-60.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T14 60.00-40.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T15 40.00-20.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T16 20.00-0.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 280.00-270.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2 270.00-260.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 260.00-240.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 240.00-220.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 220.00-210.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 210.00-200.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 200.00-180.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 180.00-160.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 160.00-140.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 140.00-120.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T11 120.00-100.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T12 100.00-80.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T13 80.00-60.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T14 60.00-40.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T15 40.00-20.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T16 20.00-0.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 280.00-270.00	Flange	1.0000 A325N	0	1.0000 A325N	1	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	1.0000 A325N	1
T2 270.00-260.00	Flange	1.0000 A325N	6	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	1.0000 A325N	1
T3 260.00-240.00	Flange	1.0000 A325N	6	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T4 240.00-220.00	Flange	1.0000 A325N	6	1.0000 A325N	1	1.0000 A325N	1	0.6250 A325N	0	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0
T5 220.00-210.00	Flange	1.0000 A325N	0	1.0000 A325N	1	0.6250 A325N	0	0.0000 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T6 210.00-200.00	Flange	1.0000 A325N	12	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	1.0000 A325N	1
T7 200.00-180.00	Flange	1.0000 A325N	12	0.8750 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T8 180.00-160.00	Flange	1.0000 A325N	12	0.8750 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T9 160.00-140.00	Flange	1.0000 A325N	12	0.8750 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T10 140.00-120.00	Flange	1.0000 A325N	12	0.8750 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T11 120.00-100.00	Flange	1.0000 A325N	12	0.8750 A325N	2	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T12 100.00-80.00	Flange	1.2500 A325N	12	0.8750 A325N	2	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T13 80.00-60.00	Flange	1.2500 A325N	12	0.8750 A325N	2	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T14 60.00-40.00	Flange	1.2500 A325N	12	0.8750 A325N	2	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T15 40.00-20.00	Flange	1.2500 A325N	12	0.8750 A325N	2	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T16 20.00-0.00	Flange	0.0000 A615-75	0	0.8750 A325N	2	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
****													

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
Safety Line 3/8	C	No	No	Ar (CaAa)	280.00 - 0.00	0.0000	0	1	1	0.3750	0.3750		0.22
LDF4-50A (1/2" foam)	C	No	No	Ar (CaAa)	280.00 - 0.00	0.0000	0.45	1	1	0.6300	0.6300		0.15
LDF2-50 (3/8" foam)	C	No	No	Ar (CaAa)	140.00 - 0.00	0.0000	0.45	1	1	0.4400	0.4400		0.08
****FACE A****													
LDF7-50A (1 5/8" foam)	A	No	No	Ar (CaAa)	155.00 - 0.00	0.0000	0.4	3	3	1.9800	1.9800		0.92
1.5" flat Cable Ladder Rail **	A	No	No	Af (CaAa)	155.00 - 0.00	0.0000	0.4	2	2	24.0000 1.5000	1.5000		1.80
EW63(ELLIPTICAL)	A	No	No	Ar (CaAa)	195.00 - 162.00	0.0000	-0.43	1	1	1.0000 0.5000	2.0100		0.51
EW63(ELLIPTICAL)	A	No	No	Ar (CaAa)	162.00 - 104.00	0.0000	-0.43	2	2	1.0000 0.5000	2.0100		0.51
EW63(ELLIPTICAL)	A	No	No	Ar (CaAa)	104.00 - 0.00	0.0000	-0.43	3	3	1.0000 0.5000	2.0100		0.51
LDF7-50A (1 5/8" foam)	A	No	No	Ar (CaAa)	200.00 - 0.00	0.0000	-0.36	2	2	1.0000 0.5000	1.9800		0.92
LDF7-50A (1 5/8" foam)	A	No	No	Ar (CaAa)	175.00 - 0.00	0.0000	-0.34	4	2	1.0000 0.5000	1.9800		0.92
LDF4-50A (1/2" foam)	A	No	No	Ar (CaAa)	175.00 - 0.00	0.0000	-0.4	2	2	0.6300	0.6300		0.15
LDF5-50A (7/8" foam)	A	No	No	Ar (CaAa)	55.00 - 0.00	0.0000	-0.32	1	1	1.0900	1.0900		0.33
LDF4-50A (1/2" foam)	A	No	No	Ar (CaAa)	200.00 - 0.00	0.0000	-0.36	1	1	0.6300	0.6300		0.15
LDF7-50A (1 5/8" foam)	A	No	No	Ar (CaAa)	203.00 - 0.00	0.0000	-0.36	1	1	1.0000 0.5000	1.9800		0.92
E60	A	No	No	Ar (CaAa)	123.00 - 0.00	0.0000	-0.42	1	1	1.0000 0.5000	2.0100		0.51
1.5" flat Cable Ladder Rail ****FACE B****	A	No	No	Af (CaAa)	235.00 - 0.00	0.0000	-0.4	2	2	36.0000 1.5000	1.5000		1.80
EW63(ELLIPTICAL)	B	No	No	Ar (CaAa)	277.00 - 220.00	0.0000	0.46	2	2	0.5000	2.0100		0.51
EW63(ELLIPTICAL)	B	No	No	Ar (CaAa)	220.00 - 0.00	0.0000	0.46	3	3	0.5000	2.0100		0.51
LDF5-50A (7/8" foam)	B	No	No	Ar (CaAa)	165.00 - 0.00	0.0000	0.43	1	1	1.0000 0.5000	1.0900		0.33
LDF5-50A (7/8" foam)	B	No	No	Ar (CaAa)	254.00 - 0.00	0.0000	0.41	1	1	1.0900 0.5000	1.0900		0.33
LDF5-50A (7/8" foam)	B	No	No	Ar (CaAa)	240.00 - 0.00	0.0000	0.42	1	1	1.0000 0.5000	1.0900		0.33
LDF4-50A (1/2" foam)	B	No	No	Ar (CaAa)	260.00 - 0.00	0.0000	0.41	1	1	0.6300	0.6300		0.15
LDF7-50A (1 5/8" foam)	B	No	No	Ar (CaAa)	260.00 - 0.00	0.0000	0.39	2	2	1.0000 0.5000	1.9800		0.92
LDF5-50A (7/8" foam)	B	No	No	Ar (CaAa)	228.00 - 0.00	0.0000	0.38	1	1	1.0900	1.0900		0.33
LDF5-50A (7/8" foam)	B	No	No	Ar (CaAa)	216.00 - 0.00	0.0000	0.38	2	2	1.0900	1.0900		0.33
LDF5-50A (7/8" foam)	B	No	No	Ar (CaAa)	125.00 - 0.00	0.0000	0.44	1	1	1.0900	1.0900		0.33
Hybrid Cables	B	No	No	Ar (CaAa)	145.00 - 0.00	0.0000	0.44	3	3	1.5500	1.5500		0.66
LDF5-50A (7/8" foam)	B	No	No	Ar (CaAa)	257.00 - 0.00	0.0000	0.41	2	2	1.0900 0.5000	1.0900		0.33

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
LDF5-50A (7/8" foam)	B	No	No	Ar (CaAa)	220.00 - 0.00	0.0000	0.44	1	1	1.0000 0.5000	1.0900		0.33
1.5" flat Cable Ladder Rail ****FACE C****	B	No	No	Af (CaAa)	280.00 - 0.00	0.0000	0.4	2	2	36.0000 1.5000	1.5000		1.80
LDF7-50A (1 5/8" foam)	C	No	No	Ar (CaAa)	280.00 - 0.00	0.0000	0.46	2	2	1.0000 0.5000	1.9800		0.92
LDF7-50A (1 5/8" foam)	C	No	No	Ar (CaAa)	279.00 - 0.00	0.0000	0.46	1	1	1.0000 0.5000	1.9800		0.92
LDF5-50A (7/8" foam)	C	No	No	Ar (CaAa)	279.00 - 240.00	0.0000	0.43	2	2	1.0000 0.5000	1.0900		0.33
LDF5-50A (7/8" foam)	C	No	No	Ar (CaAa)	240.00 - 117.00	0.0000	0.43	4	4	1.0000 0.5000	1.0900		0.33
LDF5-50A (7/8" foam)	C	No	No	Ar (CaAa)	117.00 - 95.00	0.0000	0.45	5	5	1.0000 0.5000	1.0900		0.33
LDF5-50A (7/8" foam)	C	No	No	Ar (CaAa)	95.00 - 0.00	0.0000	0.43	6	6	1.0000 0.5000	1.0900		0.33
EW63(ELLIPTICAL)	C	No	No	Ar (CaAa)	252.00 - 197.00	0.0000	0.4	2	2	0.5000	2.0100		0.51
EW63(ELLIPTICAL)	C	No	No	Ar (CaAa)	197.00 - 0.00	0.0000	0.4	3	3	0.5000	2.0100		0.51
LDF5-50A (7/8" foam)	C	No	No	Ar (CaAa)	118.00 - 0.00	0.0000	0.45	1	1	1.0000 0.5000	1.0900		0.33
LDF5-50A (7/8" foam)	C	No	No	Ar (CaAa)	124.00 - 0.00	0.0000	0.4	1	1	1.0900	1.0900		0.33
LDF5-50A (7/8" foam)	C	No	No	Ar (CaAa)	126.00 - 0.00	0.0000	0.4	1	1	1.0900	1.0900		0.33
LDF4-50A (1/2" foam)	C	No	No	Ar (CaAa)	50.00 - 0.00	0.0000	0.4	1	1	0.6300	0.6300		0.15
1.5" flat Cable Ladder Rail ***	C	No	No	Af (CaAa)	280.00 - 0.00	0.0000	0.42	2	2	36.0000 1.5000	1.5000		1.80
LDF4-50A (1/2" foam)	A	No	No	Ar (CaAa)	148.00 - 142.00	0.0000	0	16	8	0.5000	0.6300		0.15
LDF4-50A (1/2" foam)	B	No	No	Ar (CaAa)	148.00 - 142.00	0.0000	0	16	8	0.5000	0.6300		0.15
LDF4-50A (1/2" foam) ***	C	No	No	Ar (CaAa)	148.00 - 142.00	0.0000	0	16	8	0.5000	0.6300		0.15

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
***								

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
T1	280.00-270.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	7.814	0.000	0.04
		C	0.000	0.000	13.709	0.000	0.07
T2	270.00-260.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	9.020	0.000	0.05
		C	0.000	0.000	14.125	0.000	0.07
T3	260.00-240.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	32.452	0.000	0.15
		C	0.000	0.000	33.074	0.000	0.16
T4	240.00-220.00	A	0.000	0.000	7.500	0.000	0.05
		B	0.000	0.000	36.812	0.000	0.16
		C	0.000	0.000	40.650	0.000	0.18
T5	220.00-210.00	A	0.000	0.000	5.000	0.000	0.04
		B	0.000	0.000	23.468	0.000	0.09
		C	0.000	0.000	20.325	0.000	0.09
T6	210.00-200.00	A	0.000	0.000	5.594	0.000	0.04
		B	0.000	0.000	24.340	0.000	0.10
		C	0.000	0.000	20.325	0.000	0.09
T7	200.00-180.00	A	0.000	0.000	26.155	0.000	0.14
		B	0.000	0.000	48.680	0.000	0.20
		C	0.000	0.000	44.067	0.000	0.19
T8	180.00-160.00	A	0.000	0.000	41.332	0.000	0.20
		B	0.000	0.000	49.225	0.000	0.20
		C	0.000	0.000	44.670	0.000	0.19
T9	160.00-140.00	A	0.000	0.000	71.998	0.000	0.34
		B	0.000	0.000	59.233	0.000	0.23
		C	0.000	0.000	50.718	0.000	0.21
T10	140.00-120.00	A	0.000	0.000	72.023	0.000	0.36
		B	0.000	0.000	60.705	0.000	0.24
		C	0.000	0.000	46.640	0.000	0.20
T11	120.00-100.00	A	0.000	0.000	76.244	0.000	0.37
		B	0.000	0.000	62.340	0.000	0.25
		C	0.000	0.000	53.725	0.000	0.22
T12	100.00-80.00	A	0.000	0.000	79.460	0.000	0.38
		B	0.000	0.000	62.340	0.000	0.25
		C	0.000	0.000	55.905	0.000	0.22
T13	80.00-60.00	A	0.000	0.000	79.460	0.000	0.38
		B	0.000	0.000	62.340	0.000	0.25
		C	0.000	0.000	56.450	0.000	0.23
T14	60.00-40.00	A	0.000	0.000	81.095	0.000	0.38
		B	0.000	0.000	62.340	0.000	0.25
		C	0.000	0.000	57.080	0.000	0.23
T15	40.00-20.00	A	0.000	0.000	81.640	0.000	0.38
		B	0.000	0.000	62.340	0.000	0.25
		C	0.000	0.000	57.710	0.000	0.23
T16	20.00-0.00	A	0.000	0.000	81.640	0.000	0.38
		B	0.000	0.000	62.340	0.000	0.25
		C	0.000	0.000	57.710	0.000	0.23

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
T1	280.00-270.00	A	1.422	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	18.403	0.000	0.24
		C		0.000	0.000	41.279	0.000	0.49
T2	270.00-260.00	A	1.416	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	21.671	0.000	0.27
		C		0.000	0.000	42.571	0.000	0.50
T3	260.00-240.00	A	1.408	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	93.789	0.000	1.04

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	98.037	0.000	1.11
T4	240.00-220.00	A	1.396	0.000	0.000	15.879	0.000	0.24
		B		0.000	0.000	109.287	0.000	1.21
		C		0.000	0.000	115.707	0.000	1.31
T5	220.00-210.00	A	1.387	0.000	0.000	10.548	0.000	0.16
		B		0.000	0.000	68.740	0.000	0.76
		C		0.000	0.000	57.664	0.000	0.65
T6	210.00-200.00	A	1.380	0.000	0.000	11.944	0.000	0.18
		B		0.000	0.000	72.145	0.000	0.79
		C		0.000	0.000	57.532	0.000	0.65
T7	200.00-180.00	A	1.370	0.000	0.000	66.844	0.000	0.84
		B		0.000	0.000	143.711	0.000	1.56
		C		0.000	0.000	119.292	0.000	1.35
T8	180.00-160.00	A	1.355	0.000	0.000	100.476	0.000	1.22
		B		0.000	0.000	144.772	0.000	1.56
		C		0.000	0.000	119.506	0.000	1.35
T9	160.00-140.00	A	1.338	0.000	0.000	171.452	0.000	2.05
		B		0.000	0.000	165.548	0.000	1.79
		C		0.000	0.000	127.878	0.000	1.44
T10	140.00-120.00	A	1.319	0.000	0.000	176.251	0.000	2.10
		B		0.000	0.000	178.208	0.000	1.90
		C		0.000	0.000	127.956	0.000	1.41
T11	120.00-100.00	A	1.297	0.000	0.000	184.134	0.000	2.18
		B		0.000	0.000	182.274	0.000	1.93
		C		0.000	0.000	148.846	0.000	1.63
T12	100.00-80.00	A	1.271	0.000	0.000	187.901	0.000	2.21
		B		0.000	0.000	180.475	0.000	1.88
		C		0.000	0.000	152.662	0.000	1.65
T13	80.00-60.00	A	1.240	0.000	0.000	185.949	0.000	2.16
		B		0.000	0.000	178.273	0.000	1.83
		C		0.000	0.000	152.166	0.000	1.62
T14	60.00-40.00	A	1.199	0.000	0.000	188.643	0.000	2.15
		B		0.000	0.000	175.412	0.000	1.77
		C		0.000	0.000	152.913	0.000	1.59
T15	40.00-20.00	A	1.139	0.000	0.000	186.459	0.000	2.07
		B		0.000	0.000	171.251	0.000	1.67
		C		0.000	0.000	152.386	0.000	1.54
T16	20.00-0.00	A	1.021	0.000	0.000	178.669	0.000	1.87
		B		0.000	0.000	163.002	0.000	1.49
		C		0.000	0.000	145.338	0.000	1.37

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
T1	280.00-270.00	-3.2586	6.2844	-5.7238	8.7113
T2	270.00-260.00	-3.3446	7.9103	-6.4447	11.1349
T3	260.00-240.00	-0.3331	12.0931	-1.6201	16.1409
T4	240.00-220.00	-3.1598	11.5221	-4.2633	17.2201
T5	220.00-210.00	-2.0503	16.2425	-1.9325	22.2220
T6	210.00-200.00	-1.6056	14.1442	-1.5330	20.9427
T7	200.00-180.00	-9.3067	22.6677	-9.9816	28.6671
T8	180.00-160.00	-14.4248	25.4680	-14.9537	31.6542
T9	160.00-140.00	-14.7474	16.2177	-14.9685	22.7545
T10	140.00-120.00	-13.7255	17.5722	-15.3085	24.7093
T11	120.00-100.00	-17.5210	20.4065	-20.6979	28.9828
T12	100.00-80.00	-17.8674	20.1225	-21.7491	29.2719
T13	80.00-60.00	-18.7902	21.0488	-23.0009	30.5442
T14	60.00-40.00	-20.1279	21.9953	-25.5683	32.1466
T15	40.00-20.00	-21.2798	23.0593	-27.5193	33.5034

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
T16	20.00-0.00	-22.0266	23.9055	-28.5693	33.8579

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	2	Safety Line 3/8	270.00 - 280.00	0.6000	0.5535
T1	3	LDF4-50A (1/2" foam)	270.00 - 280.00	0.6000	0.5535
T1	25	EW63(ELLIPTICAL)	270.00 - 277.00	0.6000	0.5535
T1	39	1.5" flat Cable Ladder Rail	270.00 - 280.00	0.6000	0.5535
T1	41	LDF7-50A (1 5/8" foam)	270.00 - 280.00	0.6000	0.5535
T1	42	LDF7-50A (1 5/8" foam)	270.00 - 279.00	0.6000	0.5535
T1	43	LDF5-50A (7/8" foam)	270.00 - 279.00	0.6000	0.5535
T1	53	1.5" flat Cable Ladder Rail	270.00 - 280.00	0.6000	0.5535
T2	2	Safety Line 3/8	260.00 - 270.00	0.6000	0.6000
T2	3	LDF4-50A (1/2" foam)	260.00 - 270.00	0.6000	0.6000
T2	25	EW63(ELLIPTICAL)	260.00 - 270.00	0.6000	0.6000
T2	39	1.5" flat Cable Ladder Rail	260.00 - 270.00	0.6000	0.6000
T2	41	LDF7-50A (1 5/8" foam)	260.00 - 270.00	0.6000	0.6000
T2	42	LDF7-50A (1 5/8" foam)	260.00 - 270.00	0.6000	0.6000
T2	43	LDF5-50A (7/8" foam)	260.00 - 270.00	0.6000	0.6000
T2	53	1.5" flat Cable Ladder Rail	260.00 - 270.00	0.6000	0.6000
T3	2	Safety Line 3/8	240.00 - 260.00	0.6000	0.6000
T3	3	LDF4-50A (1/2" foam)	240.00 - 260.00	0.6000	0.6000
T3	25	EW63(ELLIPTICAL)	240.00 - 260.00	0.6000	0.6000
T3	28	LDF5-50A (7/8" foam)	240.00 - 254.00	0.6000	0.6000
T3	30	LDF4-50A (1/2" foam)	240.00 - 260.00	0.6000	0.6000
T3	31	LDF7-50A (1 5/8" foam)	240.00 - 260.00	0.6000	0.6000
T3	37	LDF5-50A (7/8" foam)	240.00 - 257.00	0.6000	0.6000
T3	39	1.5" flat Cable Ladder Rail	240.00 - 260.00	0.6000	0.6000
T3	41	LDF7-50A (1 5/8" foam)	240.00 - 260.00	0.6000	0.6000
T3	42	LDF7-50A (1 5/8" foam)	240.00 - 260.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T3	43	LDF5-50A (7/8" foam)	240.00 - 260.00	0.6000	0.6000
T3	47	EW63(ELLIPTICAL)	240.00 - 252.00	0.6000	0.6000
T3	53	1.5" flat Cable Ladder Rail	240.00 - 260.00	0.6000	0.6000
T4	2	Safety Line 3/8	220.00 - 240.00	0.6000	0.6000
T4	3	LDF4-50A (1/2" foam)	220.00 - 240.00	0.6000	0.6000
T4	22	1.5" flat Cable Ladder Rail	220.00 - 235.00	0.6000	0.6000
T4	25	EW63(ELLIPTICAL)	220.00 - 240.00	0.6000	0.6000
T4	28	LDF5-50A (7/8" foam)	220.00 - 240.00	0.6000	0.6000
T4	29	LDF5-50A (7/8" foam)	220.00 - 240.00	0.6000	0.6000
T4	30	LDF4-50A (1/2" foam)	220.00 - 240.00	0.6000	0.6000
T4	31	LDF7-50A (1 5/8" foam)	220.00 - 240.00	0.6000	0.6000
T4	32	LDF5-50A (7/8" foam)	220.00 - 228.00	0.6000	0.6000
T4	37	LDF5-50A (7/8" foam)	220.00 - 240.00	0.6000	0.6000
T4	39	1.5" flat Cable Ladder Rail	220.00 - 240.00	0.6000	0.6000
T4	41	LDF7-50A (1 5/8" foam)	220.00 - 240.00	0.6000	0.6000
T4	42	LDF7-50A (1 5/8" foam)	220.00 - 240.00	0.6000	0.6000
T4	44	LDF5-50A (7/8" foam)	220.00 - 240.00	0.6000	0.6000
T4	47	EW63(ELLIPTICAL)	220.00 - 240.00	0.6000	0.6000
T4	53	1.5" flat Cable Ladder Rail	220.00 - 240.00	0.6000	0.6000
T5	2	Safety Line 3/8	210.00 - 220.00	0.6000	0.6000
T5	3	LDF4-50A (1/2" foam)	210.00 - 220.00	0.6000	0.6000
T5	22	1.5" flat Cable Ladder Rail	210.00 - 220.00	0.6000	0.6000
T5	26	EW63(ELLIPTICAL)	210.00 - 220.00	0.6000	0.6000
T5	28	LDF5-50A (7/8" foam)	210.00 - 220.00	0.6000	0.6000
T5	29	LDF5-50A (7/8" foam)	210.00 - 220.00	0.6000	0.6000
T5	30	LDF4-50A (1/2" foam)	210.00 - 220.00	0.6000	0.6000
T5	31	LDF7-50A (1 5/8" foam)	210.00 - 220.00	0.6000	0.6000
T5	32	LDF5-50A (7/8" foam)	210.00 - 220.00	0.6000	0.6000
T5	33	LDF5-50A (7/8" foam)	210.00 - 216.00	0.6000	0.6000
T5	37	LDF5-50A (7/8" foam)	210.00 - 220.00	0.6000	0.6000
T5	38	LDF5-50A (7/8" foam)	210.00 - 220.00	0.6000	0.6000
T5	39	1.5" flat Cable Ladder Rail	210.00 - 220.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T5	41	LDF7-50A (1 5/8" foam)	210.00 - 220.00	0.6000	0.6000
T5	42	LDF7-50A (1 5/8" foam)	210.00 - 220.00	0.6000	0.6000
T5	44	LDF5-50A (7/8" foam)	210.00 - 220.00	0.6000	0.6000
T5	47	EW63(ELLIPTICAL)	210.00 - 220.00	0.6000	0.6000
T5	53	1.5" flat Cable Ladder Rail	210.00 - 220.00	0.6000	0.6000
T6	2	Safety Line 3/8	200.00 - 210.00	0.6000	0.6000
T6	3	LDF4-50A (1/2" foam)	200.00 - 210.00	0.6000	0.6000
T6	20	LDF7-50A (1 5/8" foam)	200.00 - 203.00	0.6000	0.6000
T6	22	1.5" flat Cable Ladder Rail	200.00 - 210.00	0.6000	0.6000
T6	26	EW63(ELLIPTICAL)	200.00 - 210.00	0.6000	0.6000
T6	28	LDF5-50A (7/8" foam)	200.00 - 210.00	0.6000	0.6000
T6	29	LDF5-50A (7/8" foam)	200.00 - 210.00	0.6000	0.6000
T6	30	LDF4-50A (1/2" foam)	200.00 - 210.00	0.6000	0.6000
T6	31	LDF7-50A (1 5/8" foam)	200.00 - 210.00	0.6000	0.6000
T6	32	LDF5-50A (7/8" foam)	200.00 - 210.00	0.6000	0.6000
T6	33	LDF5-50A (7/8" foam)	200.00 - 210.00	0.6000	0.6000
T6	37	LDF5-50A (7/8" foam)	200.00 - 210.00	0.6000	0.6000
T6	38	LDF5-50A (7/8" foam)	200.00 - 210.00	0.6000	0.6000
T6	39	1.5" flat Cable Ladder Rail	200.00 - 210.00	0.6000	0.6000
T6	41	LDF7-50A (1 5/8" foam)	200.00 - 210.00	0.6000	0.6000
T6	42	LDF7-50A (1 5/8" foam)	200.00 - 210.00	0.6000	0.6000
T6	44	LDF5-50A (7/8" foam)	200.00 - 210.00	0.6000	0.6000
T6	47	EW63(ELLIPTICAL)	200.00 - 210.00	0.6000	0.6000
T6	53	1.5" flat Cable Ladder Rail	200.00 - 210.00	0.6000	0.6000
T7	2	Safety Line 3/8	180.00 - 200.00	0.6000	0.6000
T7	3	LDF4-50A (1/2" foam)	180.00 - 200.00	0.6000	0.6000
T7	10	EW63(ELLIPTICAL)	180.00 - 195.00	0.6000	0.6000
T7	15	LDF7-50A (1 5/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	19	LDF4-50A (1/2" foam)	180.00 - 200.00	0.6000	0.6000
T7	20	LDF7-50A (1 5/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	22	1.5" flat Cable Ladder Rail	180.00 - 200.00	0.6000	0.6000
T7	26	EW63(ELLIPTICAL)	180.00 - 200.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T7	28	LDF5-50A (7/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	29	LDF5-50A (7/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	30	LDF4-50A (1/2" foam)	180.00 - 200.00	0.6000	0.6000
T7	31	LDF7-50A (1 5/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	32	LDF5-50A (7/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	33	LDF5-50A (7/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	37	LDF5-50A (7/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	38	LDF5-50A (7/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	39	1.5" flat Cable Ladder Rail	180.00 - 200.00	0.6000	0.6000
T7	41	LDF7-50A (1 5/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	42	LDF7-50A (1 5/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	44	LDF5-50A (7/8" foam)	180.00 - 200.00	0.6000	0.6000
T7	47	EW63(ELLIPTICAL)	197.00 - 200.00	0.6000	0.6000
T7	48	EW63(ELLIPTICAL)	180.00 - 197.00	0.6000	0.6000
T7	53	1.5" flat Cable Ladder Rail	180.00 - 200.00	0.6000	0.6000
T8	2	Safety Line 3/8	160.00 - 180.00	0.6000	0.6000
T8	3	LDF4-50A (1/2" foam)	160.00 - 180.00	0.6000	0.6000
T8	10	EW63(ELLIPTICAL)	162.00 - 180.00	0.6000	0.6000
T8	11	EW63(ELLIPTICAL)	160.00 - 162.00	0.6000	0.6000
T8	15	LDF7-50A (1 5/8" foam)	160.00 - 180.00	0.6000	0.6000
T8	16	LDF7-50A (1 5/8" foam)	160.00 - 175.00	0.6000	0.6000
T8	17	LDF4-50A (1/2" foam)	160.00 - 175.00	0.6000	0.6000
T8	19	LDF4-50A (1/2" foam)	160.00 - 180.00	0.6000	0.6000
T8	20	LDF7-50A (1 5/8" foam)	160.00 - 180.00	0.6000	0.6000
T8	22	1.5" flat Cable Ladder Rail	160.00 - 180.00	0.6000	0.6000
T8	26	EW63(ELLIPTICAL)	160.00 - 180.00	0.6000	0.6000
T8	27	LDF5-50A (7/8" foam)	160.00 - 165.00	0.6000	0.6000
T8	28	LDF5-50A (7/8" foam)	160.00 - 180.00	0.6000	0.6000
T8	29	LDF5-50A (7/8" foam)	160.00 - 180.00	0.6000	0.6000
T8	30	LDF4-50A (1/2" foam)	160.00 - 180.00	0.6000	0.6000
T8	31	LDF7-50A (1 5/8" foam)	160.00 - 180.00	0.6000	0.6000
T8	32	LDF5-50A (7/8" foam)	160.00 - 180.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T8	33	LDF5-50A (7/8" foam)	160.00 - 180.00	0.6000	0.6000
T8	37	LDF5-50A (7/8" foam)	160.00 - 180.00	0.6000	0.6000
T8	38	LDF5-50A (7/8" foam)	160.00 - 180.00	0.6000	0.6000
T8	39	1.5" flat Cable Ladder Rail	160.00 - 180.00	0.6000	0.6000
T8	41	LDF7-50A (1 5/8" foam)	160.00 - 180.00	0.6000	0.6000
T8	42	LDF7-50A (1 5/8" foam)	160.00 - 180.00	0.6000	0.6000
T8	44	LDF5-50A (7/8" foam)	160.00 - 180.00	0.6000	0.6000
T8	48	EW63(ELLIPTICAL)	160.00 - 180.00	0.6000	0.6000
T8	53	1.5" flat Cable Ladder Rail	160.00 - 180.00	0.6000	0.6000
T9	2	Safety Line 3/8	140.00 - 160.00	0.6000	0.6000
T9	3	LDF4-50A (1/2" foam)	140.00 - 160.00	0.6000	0.6000
T9	6	LDF7-50A (1 5/8" foam)	140.00 - 155.00	0.6000	0.6000
T9	8	1.5" flat Cable Ladder Rail	140.00 - 155.00	0.6000	0.6000
T9	11	EW63(ELLIPTICAL)	140.00 - 160.00	0.6000	0.6000
T9	15	LDF7-50A (1 5/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	16	LDF7-50A (1 5/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	17	LDF4-50A (1/2" foam)	140.00 - 160.00	0.6000	0.6000
T9	19	LDF4-50A (1/2" foam)	140.00 - 160.00	0.6000	0.6000
T9	20	LDF7-50A (1 5/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	22	1.5" flat Cable Ladder Rail	140.00 - 160.00	0.6000	0.6000
T9	26	EW63(ELLIPTICAL)	140.00 - 160.00	0.6000	0.6000
T9	27	LDF5-50A (7/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	28	LDF5-50A (7/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	29	LDF5-50A (7/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	30	LDF4-50A (1/2" foam)	140.00 - 160.00	0.6000	0.6000
T9	31	LDF7-50A (1 5/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	32	LDF5-50A (7/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	33	LDF5-50A (7/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	36	Hybrid Cables	140.00 - 145.00	0.6000	0.6000
T9	37	LDF5-50A (7/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	38	LDF5-50A (7/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	39	1.5" flat Cable Ladder Rail	140.00 - 160.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T9	41	LDF7-50A (1 5/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	42	LDF7-50A (1 5/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	44	LDF5-50A (7/8" foam)	140.00 - 160.00	0.6000	0.6000
T9	48	EW63(ELLIPTICAL)	140.00 - 160.00	0.6000	0.6000
T9	53	1.5" flat Cable Ladder Rail	140.00 - 160.00	0.6000	0.6000
T9	55	LDF4-50A (1/2" foam)	142.00 - 148.00	0.6000	0.6000
T9	56	LDF4-50A (1/2" foam)	142.00 - 148.00	0.6000	0.6000
T9	57	LDF4-50A (1/2" foam)	142.00 - 148.00	0.6000	0.6000
T10	2	Safety Line 3/8	120.00 - 140.00	0.6000	0.6000
T10	3	LDF4-50A (1/2" foam)	120.00 - 140.00	0.6000	0.6000
T10	4	LDF2-50 (3/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	6	LDF7-50A (1 5/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	8	1.5" flat Cable Ladder Rail	120.00 - 140.00	0.6000	0.6000
T10	11	EW63(ELLIPTICAL)	120.00 - 140.00	0.6000	0.6000
T10	15	LDF7-50A (1 5/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	16	LDF7-50A (1 5/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	17	LDF4-50A (1/2" foam)	120.00 - 140.00	0.6000	0.6000
T10	19	LDF4-50A (1/2" foam)	120.00 - 140.00	0.6000	0.6000
T10	20	LDF7-50A (1 5/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	21	E60	120.00 - 123.00	0.6000	0.6000
T10	22	1.5" flat Cable Ladder Rail	120.00 - 140.00	0.6000	0.6000
T10	26	EW63(ELLIPTICAL)	120.00 - 140.00	0.6000	0.6000
T10	27	LDF5-50A (7/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	28	LDF5-50A (7/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	29	LDF5-50A (7/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	30	LDF4-50A (1/2" foam)	120.00 - 140.00	0.6000	0.6000
T10	31	LDF7-50A (1 5/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	32	LDF5-50A (7/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	33	LDF5-50A (7/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	34	LDF5-50A (7/8" foam)	120.00 - 125.00	0.6000	0.6000
T10	36	Hybrid Cables	120.00 - 140.00	0.6000	0.6000
T10	37	LDF5-50A (7/8" foam)	120.00 - 140.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T10	38	LDF5-50A (7/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	39	1.5" flat Cable Ladder Rail	120.00 - 140.00	0.6000	0.6000
T10	41	LDF7-50A (1 5/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	42	LDF7-50A (1 5/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	44	LDF5-50A (7/8" foam)	120.00 - 140.00	0.6000	0.6000
T10	48	EW63(ELLIPTICAL)	120.00 - 140.00	0.6000	0.6000
T10	50	LDF5-50A (7/8" foam)	120.00 - 124.00	0.6000	0.6000
T10	51	LDF5-50A (7/8" foam)	120.00 - 126.00	0.6000	0.6000
T10	53	1.5" flat Cable Ladder Rail	120.00 - 140.00	0.6000	0.6000
T11	2	Safety Line 3/8	100.00 - 120.00	0.6000	0.6000
T11	3	LDF4-50A (1/2" foam)	100.00 - 120.00	0.6000	0.6000
T11	4	LDF2-50 (3/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	6	LDF7-50A (1 5/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	8	1.5" flat Cable Ladder Rail	100.00 - 120.00	0.6000	0.6000
T11	11	EW63(ELLIPTICAL)	104.00 - 120.00	0.6000	0.6000
T11	12	EW63(ELLIPTICAL)	100.00 - 104.00	0.6000	0.6000
T11	15	LDF7-50A (1 5/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	16	LDF7-50A (1 5/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	17	LDF4-50A (1/2" foam)	100.00 - 120.00	0.6000	0.6000
T11	19	LDF4-50A (1/2" foam)	100.00 - 120.00	0.6000	0.6000
T11	20	LDF7-50A (1 5/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	21	E60	100.00 - 120.00	0.6000	0.6000
T11	22	1.5" flat Cable Ladder Rail	100.00 - 120.00	0.6000	0.6000
T11	26	EW63(ELLIPTICAL)	100.00 - 120.00	0.6000	0.6000
T11	27	LDF5-50A (7/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	28	LDF5-50A (7/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	29	LDF5-50A (7/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	30	LDF4-50A (1/2" foam)	100.00 - 120.00	0.6000	0.6000
T11	31	LDF7-50A (1 5/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	32	LDF5-50A (7/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	33	LDF5-50A (7/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	34	LDF5-50A (7/8" foam)	100.00 - 120.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T11	36	Hybrid Cables	100.00 - 120.00	0.6000	0.6000
T11	37	LDF5-50A (7/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	38	LDF5-50A (7/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	39	1.5" flat Cable Ladder Rail	100.00 - 120.00	0.6000	0.6000
T11	41	LDF7-50A (1 5/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	42	LDF7-50A (1 5/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	44	LDF5-50A (7/8" foam)	117.00 - 120.00	0.6000	0.6000
T11	45	LDF5-50A (7/8" foam)	100.00 - 117.00	0.6000	0.6000
T11	48	EW63(ELLIPTICAL)	100.00 - 120.00	0.6000	0.6000
T11	49	LDF5-50A (7/8" foam)	100.00 - 118.00	0.6000	0.6000
T11	50	LDF5-50A (7/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	51	LDF5-50A (7/8" foam)	100.00 - 120.00	0.6000	0.6000
T11	53	1.5" flat Cable Ladder Rail	100.00 - 120.00	0.6000	0.6000
T12	2	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T12	3	LDF4-50A (1/2" foam)	80.00 - 100.00	0.6000	0.6000
T12	4	LDF2-50 (3/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	6	LDF7-50A (1 5/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	8	1.5" flat Cable Ladder Rail	80.00 - 100.00	0.6000	0.6000
T12	12	EW63(ELLIPTICAL)	80.00 - 100.00	0.6000	0.6000
T12	15	LDF7-50A (1 5/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	16	LDF7-50A (1 5/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	17	LDF4-50A (1/2" foam)	80.00 - 100.00	0.6000	0.6000
T12	19	LDF4-50A (1/2" foam)	80.00 - 100.00	0.6000	0.6000
T12	20	LDF7-50A (1 5/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	21	E60	80.00 - 100.00	0.6000	0.6000
T12	22	1.5" flat Cable Ladder Rail	80.00 - 100.00	0.6000	0.6000
T12	26	EW63(ELLIPTICAL)	80.00 - 100.00	0.6000	0.6000
T12	27	LDF5-50A (7/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	28	LDF5-50A (7/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	29	LDF5-50A (7/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	30	LDF4-50A (1/2" foam)	80.00 - 100.00	0.6000	0.6000
T12	31	LDF7-50A (1 5/8" foam)	80.00 - 100.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T12	32	LDF5-50A (7/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	33	LDF5-50A (7/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	34	LDF5-50A (7/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	36	Hybrid Cables	80.00 - 100.00	0.6000	0.6000
T12	37	LDF5-50A (7/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	38	LDF5-50A (7/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	39	1.5" flat Cable Ladder Rail	80.00 - 100.00	0.6000	0.6000
T12	41	LDF7-50A (1 5/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	42	LDF7-50A (1 5/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	45	LDF5-50A (7/8" foam)	95.00 - 100.00	0.6000	0.6000
T12	46	LDF5-50A (7/8" foam)	80.00 - 95.00	0.6000	0.6000
T12	48	EW63(ELLIPTICAL)	80.00 - 100.00	0.6000	0.6000
T12	49	LDF5-50A (7/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	50	LDF5-50A (7/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	51	LDF5-50A (7/8" foam)	80.00 - 100.00	0.6000	0.6000
T12	53	1.5" flat Cable Ladder Rail	80.00 - 100.00	0.6000	0.6000
T13	2	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T13	3	LDF4-50A (1/2" foam)	60.00 - 80.00	0.6000	0.6000
T13	4	LDF2-50 (3/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	6	LDF7-50A (1 5/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	8	1.5" flat Cable Ladder Rail	60.00 - 80.00	0.6000	0.6000
T13	12	EW63(ELLIPTICAL)	60.00 - 80.00	0.6000	0.6000
T13	15	LDF7-50A (1 5/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	16	LDF7-50A (1 5/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	17	LDF4-50A (1/2" foam)	60.00 - 80.00	0.6000	0.6000
T13	19	LDF4-50A (1/2" foam)	60.00 - 80.00	0.6000	0.6000
T13	20	LDF7-50A (1 5/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	21	E60	60.00 - 80.00	0.6000	0.6000
T13	22	1.5" flat Cable Ladder Rail	60.00 - 80.00	0.6000	0.6000
T13	26	EW63(ELLIPTICAL)	60.00 - 80.00	0.6000	0.6000
T13	27	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	28	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T13	29	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	30	LDF4-50A (1/2" foam)	60.00 - 80.00	0.6000	0.6000
T13	31	LDF7-50A (1 5/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	32	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	33	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	34	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	36	Hybrid Cables	60.00 - 80.00	0.6000	0.6000
T13	37	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	38	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	39	1.5" flat Cable Ladder Rail	60.00 - 80.00	0.6000	0.6000
T13	41	LDF7-50A (1 5/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	42	LDF7-50A (1 5/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	46	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	48	EW63(ELLIPTICAL)	60.00 - 80.00	0.6000	0.6000
T13	49	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	50	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	51	LDF5-50A (7/8" foam)	60.00 - 80.00	0.6000	0.6000
T13	53	1.5" flat Cable Ladder Rail	60.00 - 80.00	0.6000	0.6000
T14	2	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T14	3	LDF4-50A (1/2" foam)	40.00 - 60.00	0.6000	0.6000
T14	4	LDF2-50 (3/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	6	LDF7-50A (1 5/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	8	1.5" flat Cable Ladder Rail	40.00 - 60.00	0.6000	0.6000
T14	12	EW63(ELLIPTICAL)	40.00 - 60.00	0.6000	0.6000
T14	15	LDF7-50A (1 5/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	16	LDF7-50A (1 5/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	17	LDF4-50A (1/2" foam)	40.00 - 60.00	0.6000	0.6000
T14	18	LDF5-50A (7/8" foam)	40.00 - 55.00	0.6000	0.6000
T14	19	LDF4-50A (1/2" foam)	40.00 - 60.00	0.6000	0.6000
T14	20	LDF7-50A (1 5/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	21	E60	40.00 - 60.00	0.6000	0.6000
T14	22	1.5" flat Cable Ladder Rail	40.00 - 60.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T14	26	EW63(ELLIPTICAL)	40.00 - 60.00	0.6000	0.6000
T14	27	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	28	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	29	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	30	LDF4-50A (1/2" foam)	40.00 - 60.00	0.6000	0.6000
T14	31	LDF7-50A (1 5/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	32	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	33	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	34	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	36	Hybrid Cables	40.00 - 60.00	0.6000	0.6000
T14	37	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	38	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	39	1.5" flat Cable Ladder Rail	40.00 - 60.00	0.6000	0.6000
T14	41	LDF7-50A (1 5/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	42	LDF7-50A (1 5/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	46	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	48	EW63(ELLIPTICAL)	40.00 - 60.00	0.6000	0.6000
T14	49	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	50	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	51	LDF5-50A (7/8" foam)	40.00 - 60.00	0.6000	0.6000
T14	52	LDF4-50A (1/2" foam)	40.00 - 50.00	0.6000	0.6000
T14	53	1.5" flat Cable Ladder Rail	40.00 - 60.00	0.6000	0.6000
T15	2	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T15	3	LDF4-50A (1/2" foam)	20.00 - 40.00	0.6000	0.6000
T15	4	LDF2-50 (3/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	6	LDF7-50A (1 5/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	8	1.5" flat Cable Ladder Rail	20.00 - 40.00	0.6000	0.6000
T15	12	EW63(ELLIPTICAL)	20.00 - 40.00	0.6000	0.6000
T15	15	LDF7-50A (1 5/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	16	LDF7-50A (1 5/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	17	LDF4-50A (1/2" foam)	20.00 - 40.00	0.6000	0.6000
T15	18	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T15	19	LDF4-50A (1/2" foam)	20.00 - 40.00	0.6000	0.6000
T15	20	LDF7-50A (1 5/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	21	E60	20.00 - 40.00	0.6000	0.6000
T15	22	1.5" flat Cable Ladder Rail	20.00 - 40.00	0.6000	0.6000
T15	26	EW63(ELLIPTICAL)	20.00 - 40.00	0.6000	0.6000
T15	27	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	28	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	29	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	30	LDF4-50A (1/2" foam)	20.00 - 40.00	0.6000	0.6000
T15	31	LDF7-50A (1 5/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	32	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	33	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	34	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	36	Hybrid Cables	20.00 - 40.00	0.6000	0.6000
T15	37	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	38	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	39	1.5" flat Cable Ladder Rail	20.00 - 40.00	0.6000	0.6000
T15	41	LDF7-50A (1 5/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	42	LDF7-50A (1 5/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	46	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	48	EW63(ELLIPTICAL)	20.00 - 40.00	0.6000	0.6000
T15	49	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	50	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	51	LDF5-50A (7/8" foam)	20.00 - 40.00	0.6000	0.6000
T15	52	LDF4-50A (1/2" foam)	20.00 - 40.00	0.6000	0.6000
T15	53	1.5" flat Cable Ladder Rail	20.00 - 40.00	0.6000	0.6000
T16	2	Safety Line 3/8	0.00 - 20.00	0.6000	0.6000
T16	3	LDF4-50A (1/2" foam)	0.00 - 20.00	0.6000	0.6000
T16	4	LDF2-50 (3/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	6	LDF7-50A (1 5/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	8	1.5" flat Cable Ladder Rail	0.00 - 20.00	0.6000	0.6000
T16	12	EW63(ELLIPTICAL)	0.00 - 20.00	0.6000	0.6000
T16	15	LDF7-50A (1 5/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	16	LDF7-50A (1 5/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	17	LDF4-50A (1/2" foam)	0.00 - 20.00	0.6000	0.6000
T16	18	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	19	LDF4-50A (1/2" foam)	0.00 - 20.00	0.6000	0.6000
T16	20	LDF7-50A (1 5/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	21	E60	0.00 - 20.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T16	22	1.5" flat Cable Ladder Rail	0.00 - 20.00	0.6000	0.6000
T16	26	EW63(ELLIPTICAL)	0.00 - 20.00	0.6000	0.6000
T16	27	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	28	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	29	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	30	LDF4-50A (1/2" foam)	0.00 - 20.00	0.6000	0.6000
T16	31	LDF7-50A (1 5/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	32	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	33	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	34	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	36	Hybrid Cables	0.00 - 20.00	0.6000	0.6000
T16	37	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	38	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	39	1.5" flat Cable Ladder Rail	0.00 - 20.00	0.6000	0.6000
T16	41	LDF7-50A (1 5/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	42	LDF7-50A (1 5/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	46	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	48	EW63(ELLIPTICAL)	0.00 - 20.00	0.6000	0.6000
T16	49	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	50	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	51	LDF5-50A (7/8" foam)	0.00 - 20.00	0.6000	0.6000
T16	52	LDF4-50A (1/2" foam)	0.00 - 20.00	0.6000	0.6000
T16	53	1.5" flat Cable Ladder Rail	0.00 - 20.00	0.6000	0.6000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
**									
Kreco CO-35A	A	From Leg	0.50 0.00 5.00	0.0000	280.00	No Ice 1/2" Ice 1" Ice	3.26 4.74 6.23	3.26 4.74 6.23	0.01 0.03 0.06
4' x 2" Std. Pipe Mount	A	From Leg	0.00 0.00 0.00	0.0000	280.00	No Ice 1/2" Ice 1" Ice	0.87 1.11 1.36	0.87 1.11 1.36	0.01 0.02 0.03
ANT150F6-3	C	From Leg	0.50 0.00 10.00	0.0000	280.00	No Ice 1/2" Ice 1" Ice	4.80 6.83 8.87	4.80 6.83 8.87	0.03 0.07 0.11
4' x 2" Std. Pipe Mount	C	From Leg	0.00 0.00 0.00	0.0000	280.00	No Ice 1/2" Ice 1" Ice	0.87 1.11 1.36	0.87 1.11 1.36	0.01 0.02 0.03
DB538-G	B	From Leg	0.50 0.00 10.00	0.0000	280.00	No Ice 1/2" Ice 1" Ice	3.64 5.13 6.63	3.64 5.13 6.63	0.02 0.04 0.08
4' x 2" Std. Pipe Mount	B	From Leg	0.00 0.00 0.00	0.0000	280.00	No Ice 1/2" Ice 1" Ice	0.87 1.11 1.36	0.87 1.11 1.36	0.01 0.02 0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment ° t	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
**									
8' x 2" Sch 40 Pipe Mount	B	From Leg	0.00 0.00 0.00	0.0000	277.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
8' x 2" Sch 40 Pipe Mount	A	From Leg	0.00 0.00 0.00	0.0000	276.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
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****									
DB589-Y	B	From Leg	6.00 0.00 5.00	0.0000	260.00	No Ice 1/2" Ice 1" Ice	2.13 3.00 3.76	2.13 3.00 3.76	0.01 0.03 0.05
DB589-Y	B	From Leg	6.00 0.00 -5.00	0.0000	260.00	No Ice 1/2" Ice 1" Ice	2.13 3.00 3.76	2.13 3.00 3.76	0.01 0.03 0.05
12" x 16" x 4" TMA	B	From Leg	6.00 0.00 0.00	0.0000	260.00	No Ice 1/2" Ice 1" Ice	1.20 1.34 1.48	0.41 0.50 0.59	0.02 0.02 0.03
6' Side Arm Mount	B	From Leg	3.00 0.00 0.00	0.0000	260.00	No Ice 1/2" Ice 1" Ice	4.54 7.80 11.06	1.23 2.55 3.88	0.05 0.08 0.10
***									
(2) 10' 8-Bay Dipole	C	From Leg	3.00 0.00 5.00	0.0000	257.00	No Ice 1/2" Ice 1" Ice	8.00 10.00 12.00	8.00 10.00 12.00	0.06 0.10 0.14
6' Side Arm Mount	C	From Leg	1.50 0.00 0.00	0.0000	257.00	No Ice 1/2" Ice 1" Ice	4.54 7.80 11.06	1.23 2.55 3.88	0.05 0.08 0.10
***									
DB212-C	A	From Leg	6.00 0.00 0.00	0.0000	254.00	No Ice 1/2" Ice 1" Ice	3.10 6.22 9.35	3.10 6.22 9.35	0.03 0.06 0.10
6' Side Arm Mount	A	From Leg	3.00 0.00 0.00	0.0000	254.00	No Ice 1/2" Ice 1" Ice	4.54 7.80 11.06	1.23 2.55 3.88	0.05 0.08 0.10
***									
8' x 2" Sch 40 Pipe Mount	A	From Leg	0.00 0.00 0.00	0.0000	252.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
**									
SD110-SFXPASNM	B	From Leg	6.00 0.00 8.00	0.0000	240.00	No Ice 1/2" Ice 1" Ice	7.50 15.00 22.50	7.50 15.00 22.50	0.03 0.03 0.04
6' Side Arm Mount	B	From Leg	3.00 0.00 0.00	0.0000	240.00	No Ice 1/2" Ice 1" Ice	4.54 7.80 11.06	1.23 2.55 3.88	0.05 0.08 0.10
CO-36A	A	From Leg	6.00 0.00	0.0000	240.00	No Ice	0.75 1.96	0.75 1.96	0.01 0.02

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			7.00			1/2" Ice	3.19	3.19	0.04
						1" Ice			
6' Side Arm Mount	A	From Leg	3.00	0.0000	240.00	No Ice	4.54	1.23	0.05
			0.00			1/2" Ice	7.80	2.55	0.08
			0.00			1" Ice	11.06	3.88	0.10
***									
***									
Comprod 531-70HD	A	From Leg	3.00	0.0000	228.00	No Ice	4.98	4.98	0.04
			0.00			1/2" Ice	6.22	6.22	0.05
			0.00			1" Ice	7.47	7.47	0.06
3' Side Arm Mount	A	From Leg	1.50	0.0000	228.00	No Ice	0.94	1.41	0.03
			0.00			1/2" Ice	1.48	2.17	0.04
			0.00			1" Ice	2.02	2.93	0.06
***									
8' x 2" Sch 40 Pipe Mount	C	From Leg	0.00	0.0000	220.00	No Ice	1.90	1.90	0.03
			0.00			1/2" Ice	2.73	2.73	0.04
			0.00			1" Ice	3.40	3.40	0.06
***									
SD110-SFXPASNM	A	From Leg	6.00	0.0000	216.00	No Ice	7.50	7.50	0.03
			0.00			1/2" Ice	15.00	15.00	0.03
			8.00			1" Ice	22.50	22.50	0.04
6' Side Arm Mount	A	From Leg	3.00	0.0000	216.00	No Ice	4.54	1.23	0.05
			0.00			1/2" Ice	7.80	2.55	0.08
			0.00			1" Ice	11.06	3.88	0.10
ANT450F6	B	From Leg	6.00	0.0000	216.00	No Ice	0.79	0.79	0.01
			0.00			1/2" Ice	1.01	1.01	0.02
			4.00			1" Ice	1.23	1.23	0.03
6' Side Arm Mount	B	From Leg	3.00	0.0000	216.00	No Ice	4.54	1.23	0.05
			0.00			1/2" Ice	7.80	2.55	0.08
			0.00			1" Ice	11.06	3.88	0.10
**									
SC479-HF1LDF(DXX-E5765)	C	From Leg	6.00	0.0000	203.00	No Ice	4.18	4.18	0.03
			0.00			1/2" Ice	6.54	6.54	0.07
			-5.00			1" Ice	8.04	8.04	0.11
TMA (16" x 12" x 6")	C	From Leg	6.00	0.0000	203.00	No Ice	1.70	0.86	0.03
			0.00			1/2" Ice	1.86	0.99	0.04
			0.00			1" Ice	2.04	1.12	0.06
6' Side Arm Mount	C	From Leg	3.00	0.0000	203.00	No Ice	4.54	1.23	0.05
			0.00			1/2" Ice	7.80	2.55	0.08
			0.00			1" Ice	11.06	3.88	0.10
***									
96" x 4" x 6" Panel	B	From Leg	6.00	0.0000	200.00	No Ice	4.00	6.80	0.02
			0.00			1/2" Ice	4.92	7.38	0.05
			4.00			1" Ice	5.61	7.98	0.09
SC479-HF1LDF(DXX-E5765)	B	From Leg	6.00	0.0000	200.00	No Ice	4.19	4.19	0.03
			0.00			1/2" Ice	6.54	6.54	0.07
			-5.00			1" Ice	8.04	8.04	0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
TMA (16" x 12" x 6")	B	From Leg	6.00	0.00	0.0000	200.00	No Ice	1.70	0.86	0.03
			0.00				1/2" Ice	1.86	0.99	0.04
			0.00				1" Ice	2.04	1.12	0.06
3' Side Arm Mount	B	From Leg	1.50	0.00	0.0000	200.00	No Ice	0.94	1.41	0.03
			0.00				1/2" Ice	1.48	2.17	0.04
			0.00				1" Ice	2.02	2.93	0.06
*** 8' x 2" Sch 40 Pipe Mount	A	From Leg	0.00	0.00	0.0000	197.00	No Ice	1.90	1.90	0.03
			0.00				1/2" Ice	2.73	2.73	0.04
			0.00				1" Ice	3.40	3.40	0.06
** 8' x 2" Sch 40 Pipe Mount	C	From Leg	0.00	0.00	0.0000	195.00	No Ice	1.90	1.90	0.03
			0.00				1/2" Ice	2.73	2.73	0.04
			0.00				1" Ice	3.40	3.40	0.06
*** BCR-80010:90	C	From Leg	6.00	0.00	0.0000	175.00	No Ice	3.32	3.32	0.04
			0.00				1/2" Ice	6.03	6.03	0.07
			6.00				1" Ice	6.80	6.80	0.11
SC479-HF1LDF	B	From Leg	6.00	0.00	0.0000	175.00	No Ice	4.23	4.23	0.03
			0.00				1/2" Ice	6.51	6.51	0.07
			6.00				1" Ice	8.00	8.00	0.11
TMA (16" x 12" x 6")	B	From Leg	6.00	0.00	0.0000	175.00	No Ice	1.70	0.86	0.03
			0.00				1/2" Ice	1.86	0.99	0.04
			0.00				1" Ice	2.04	1.12	0.06
SC479-HF1LDF	B	From Leg	6.00	0.00	0.0000	175.00	No Ice	4.23	4.23	0.03
			0.00				1/2" Ice	6.51	6.51	0.07
			-6.00				1" Ice	8.00	8.00	0.11
BCR-80010:90	C	From Leg	6.00	0.00	0.0000	175.00	No Ice	3.32	3.32	0.04
			0.00				1/2" Ice	6.03	6.03	0.07
			-6.00				1" Ice	6.80	6.80	0.11
6' Side Arm Mount	B	From Leg	3.00	0.00	0.0000	175.00	No Ice	4.54	1.23	0.05
			0.00				1/2" Ice	7.80	2.55	0.08
			0.00				1" Ice	11.06	3.88	0.10
6' Side Arm Mount	C	From Leg	3.00	0.00	0.0000	175.00	No Ice	4.54	1.23	0.05
			0.00				1/2" Ice	7.80	2.55	0.08
			0.00				1" Ice	11.06	3.88	0.10
*** ANT450F6	C	From Leg	3.00	0.00	0.0000	165.00	No Ice	0.79	0.79	0.01
			0.00				1/2" Ice	1.01	1.01	0.02
			3.00				1" Ice	1.23	1.23	0.03
3' Side Arm Mount	C	From Leg	1.50	0.00	0.0000	165.00	No Ice	0.94	1.41	0.03
			0.00				1/2" Ice	1.48	2.17	0.04
			0.00				1" Ice	2.02	2.93	0.06
*** 8' x 2" Sch 40 Pipe Mount	C	From Leg	0.00	0.00	0.0000	162.00	No Ice	1.90	1.90	0.03
			0.00				1/2" Ice	2.73	2.73	0.04
			0.00				1" Ice	3.40	3.40	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
***									
Site Pro 1 VFA12-HD	A	From Leg	2.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	13.20 19.50 25.80	9.20 14.60 19.50	0.66 0.80 1.01
Site Pro 1 VFA12-HD	B	From Leg	2.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	13.20 19.50 25.80	9.20 14.60 19.50	0.66 0.80 1.01
Site Pro 1 VFA12-HD	C	From Leg	2.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	13.20 19.50 25.80	9.20 14.60 19.50	0.66 0.80 1.01
APXVAALL24_43-U-NA20_TIA w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	20.48 21.23 21.99	10.87 12.39 13.94	0.18 0.32 0.46
APXVAALL24_43-U-NA20_TIA w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	20.48 21.23 21.99	10.87 12.39 13.94	0.18 0.32 0.46
APXVAALL24_43-U-NA20_TIA w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	20.48 21.23 21.99	10.87 12.39 13.94	0.18 0.32 0.46
AIR 6449 B41_TIA w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	5.87 6.23 6.61	3.27 3.73 4.20	0.13 0.18 0.23
AIR 6449 B41_TIA w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	5.87 6.23 6.61	3.27 3.73 4.20	0.13 0.18 0.23
AIR 6449 B41_TIA w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	5.87 6.23 6.61	3.27 3.73 4.20	0.13 0.18 0.23
RADIO 4480 B71_TMO	A	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.85 3.06 3.28	1.38 1.54 1.71	0.09 0.11 0.14
RADIO 4480 B71_TMO	B	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.85 3.06 3.28	1.38 1.54 1.71	0.09 0.11 0.14
RADIO 4480 B71_TMO	C	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.85 3.06 3.28	1.38 1.54 1.71	0.09 0.11 0.14
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
***									
MT6407-77A w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	5.94 6.47 7.02	3.10 3.55 4.02	0.10 0.13 0.18
MT6407-77A w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	5.94 6.47 7.02	3.10 3.55 4.02	0.10 0.13 0.18
MT6407-77A w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	5.94 6.47 7.02	3.10 3.55 4.02	0.10 0.13 0.18
LNX-6515DS-A1M_TIA w/ Mount Pipe	A	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	11.71 12.43 13.17	9.87 11.39 12.94	0.08 0.17 0.27
LNX-6515DS-A1M_TIA w/ Mount Pipe	B	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	11.71 12.43 13.17	9.87 11.39 12.94	0.08 0.17 0.27
LNX-6515DS-A1M_TIA w/ Mount Pipe	C	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	11.71 12.43 13.17	9.87 11.39 12.94	0.08 0.17 0.27
RC3DC-3315-PF-48	A	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	3.79 4.04 4.30	2.51 2.72 2.94	0.03 0.06 0.10
RC3DC-3315-PF-48	B	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	3.79 4.04 4.30	2.51 2.72 2.94	0.03 0.06 0.10
RC3DC-3315-PF-48	C	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	3.79 4.04 4.30	2.51 2.72 2.94	0.03 0.06 0.10
(2) NHH-65C-R2B_TIA w/ Mount Pipe	A	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	11.63 12.35 13.07	9.79 11.31 12.85	0.08 0.17 0.27
(2) NHH-65C-R2B_TIA w/ Mount Pipe	B	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	11.63 12.35 13.07	9.79 11.31 12.85	0.08 0.17 0.27
(2) NHH-65C-R2B_TIA w/ Mount Pipe	C	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	11.63 12.35 13.07	9.79 11.31 12.85	0.08 0.17 0.27
B2/B66A RRH-BR049	A	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.01 1.14 1.28	0.07 0.09 0.11
B2/B66A RRH-BR049	B	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.01 1.14 1.28	0.07 0.09 0.11
B2/B66A RRH-BR049	C	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.01 1.14 1.28	0.07 0.09 0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment ° °	Placement ft ft		C_AA_A Front ft^2 ft^2	C_AA_A Side ft^2 ft^2	Weight K K
B5/B13 RRH-BR04C	A	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.01 1.14 1.28	0.07 0.09 0.11
B5/B13 RRH-BR04C	B	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.01 1.14 1.28	0.07 0.09 0.11
B5/B13 RRH-BR04C	C	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	1.88 2.05 2.22	1.01 1.14 1.28	0.07 0.09 0.11
(2) BSF0020F3V1-1	A	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	0.96 1.09 1.22	0.29 0.36 0.45	0.02 0.02 0.03
(2) BSF0020F3V1-1	B	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	0.96 1.09 1.22	0.29 0.36 0.45	0.02 0.02 0.03
(2) BSF0020F3V1-1	C	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	0.96 1.09 1.22	0.29 0.36 0.45	0.02 0.02 0.03
BSAMNT-SBS-1-2 (Mount Bracket)	A	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.00 0.00 0.00	0.07 0.09 0.11
BSAMNT-SBS-1-2 (Mount Bracket)	B	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.00 0.00 0.00	0.07 0.09 0.11
BSAMNT-SBS-1-2 (Mount Bracket)	C	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.00 0.00 0.00	0.07 0.09 0.11
2.875" x 12' Mount Pipe	A	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	3.45 4.68 5.93	3.45 4.68 5.93	0.07 0.10 0.13
2.875" x 12' Mount Pipe	B	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	3.45 4.68 5.93	3.45 4.68 5.93	0.07 0.10 0.13
2.875" x 12' Mount Pipe	C	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	3.45 4.68 5.93	3.45 4.68 5.93	0.07 0.10 0.13
2.875" x 8' mount pipe	A	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	2.30 3.13 3.62	2.30 3.13 3.62	0.05 0.07 0.09
2.875" x 8' mount pipe	B	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	2.30 3.13 3.62	2.30 3.13 3.62	0.05 0.07 0.09
2.875" x 8' mount pipe	C	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	2.30 3.13 3.62	2.30 3.13 3.62	0.05 0.07 0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(4) L 2.5 x 2.5 x 3/16 x 6' Mount Angle	A	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	2.50 3.09 3.52	0.09 0.76 1.45	0.02 0.02 0.04
(4) L 2.5 x 2.5 x 3/16 x 6' Mount Angle	B	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	2.50 3.09 3.52	0.09 0.76 1.45	0.02 0.02 0.04
(4) L 2.5 x 2.5 x 3/16 x 6' Mount Angle	C	From Leg	0.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	2.50 3.09 3.52	0.09 0.76 1.45	0.02 0.02 0.04
Site Pro 1_VFA12-RRU_Sector_(3)	C	None		0.0000	145.00	No Ice 1/2" Ice 1" Ice	27.05 39.67 52.30	27.05 39.67 52.30	1.35 1.74 2.13
*** Side Arm Mount [SO 311-1]	B	From Leg	0.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	1.67 2.43 3.21	4.53 6.41 8.37	0.06 0.10 0.15
*** 6' Side Arm Mount	C	From Leg	3.00 0.00 0.00	0.0000	126.00	No Ice 1/2" Ice 1" Ice	4.54 7.80 11.06	1.23 2.55 3.88	0.05 0.08 0.10
*** CO-36A	B	From Leg	6.00 0.00 6.00	0.0000	125.00	No Ice 1/2" Ice 1" Ice	0.75 1.96 3.19	0.75 1.96 3.19	0.01 0.02 0.04
6' Side Arm Mount	B	From Leg	3.00 0.00 0.00	0.0000	125.00	No Ice 1/2" Ice 1" Ice	4.54 7.80 11.06	1.23 2.55 3.88	0.05 0.08 0.10
*** ANT450F6	A	From Leg	6.00 0.00 4.00	0.0000	124.00	No Ice 1/2" Ice 1" Ice	0.79 1.01 1.23	0.79 1.01 1.23	0.01 0.02 0.03
6' Side Arm Mount	A	From Leg	3.00 0.00 0.00	0.0000	124.00	No Ice 1/2" Ice 1" Ice	4.54 7.80 11.06	1.23 2.55 3.88	0.05 0.08 0.10
*** 8' x 2" Sch 40 Pipe Mount	C	From Leg	0.00 0.00 0.00	0.0000	123.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
**** (2) ANT400D3	C	From Leg	3.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	0.95 1.19 1.45	0.95 1.19 1.45	0.01 0.02 0.03
ANT400D	C	From Leg	3.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	0.95 1.19 1.45	0.95 1.19 1.45	0.01 0.02 0.03
3' Side Arm Mount	C	From Leg	1.50 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice	0.94 1.48 2.02	1.41 2.17 2.93	0.03 0.04 0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1" Ice			
***									
3' Side Arm Mount	A	From Leg	1.50 0.00 0.00	0.0000	117.00	No Ice 1/2" Ice 1" Ice	0.94 1.48 2.02	1.41 2.17 2.93	0.03 0.04 0.06
***									
8' x 2" Sch 40 Pipe Mount	B	From Leg	0.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
***									
BR6155	A	From Leg	3.00 0.00 3.00	0.0000	95.00	No Ice 1/2" Ice 1" Ice	1.00 1.39 1.70	1.00 1.39 1.70	0.02 0.02 0.03
3' Side Arm Mount	A	From Leg	1.50 0.00 0.00	0.0000	95.00	No Ice 1/2" Ice 1" Ice	0.94 1.48 2.02	1.41 2.17 2.93	0.03 0.04 0.06
***									
ANT400D3	A	From Leg	3.00 0.00 0.00	0.0000	55.00	No Ice 1/2" Ice 1" Ice	0.95 1.19 1.45	0.95 1.19 1.45	0.01 0.02 0.03
3' Side Arm Mount	A	From Leg	1.50 0.00 0.00	0.0000	55.00	No Ice 1/2" Ice 1" Ice	0.94 1.48 2.02	1.41 2.17 2.93	0.03 0.04 0.06
***									
Telewave ANT790	C	From Leg	3.00 0.00 5.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice	1.58 2.29 2.60	1.58 2.29 2.60	0.02 0.04 0.06
3' Side Arm Mount	C	From Leg	1.50 0.00 0.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice	0.94 1.48 2.02	1.41 2.17 2.93	0.03 0.04 0.06
** **									
FAA L-864 Beacon	B	From Leg	0.00 0.00 0.00	0.0000	280.00	No Ice 1/2" Ice 1" Ice	1.20 2.20 3.20	1.20 2.20 3.20	0.05 0.08 0.12
FAA L-810 Sidelight	A	From Leg	0.50 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.20 0.40 0.60	0.20 0.40 0.60	0.00 0.01 0.01
FAA L-810 Sidelight	B	From Leg	0.50 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.20 0.40 0.60	0.20 0.40 0.60	0.00 0.01 0.01
FAA L-810 Sidelight	C	From Leg	0.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.20 0.40 0.60	0.20 0.40 0.60	0.00 0.01 0.01
**** ***									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft²	Weight K
PAL8-59	B	Paraboloid w/Radome	From Leg	0.50 0.00 0.00	-37.0000		277.00	8.00	No Ice 1/2" Ice 1" Ice	50.27 51.32 52.37	0.29 0.55 0.81
PAL8-59	A	Paraboloid w/Radome	From Leg	0.50 0.00 0.00	2.0000		276.00	8.00	No Ice 1/2" Ice 1" Ice	50.27 51.32 52.37	0.29 0.55 0.81
***											
**											
PADX6-59AC	A	Paraboloid w/Radome	From Leg	0.50 0.00 0.00	50.0000		252.00	6.00	No Ice 1/2" Ice 1" Ice	28.27 29.07 29.86	0.19 0.33 0.48
**											
PAL8-59	C	Paraboloid w/Radome	From Leg	0.50 0.00 0.00	2.0000		220.00	8.00	No Ice 1/2" Ice 1" Ice	50.27 51.32 52.37	0.29 0.55 0.81
**											
PAL6	A	Paraboloid w/Radome	From Leg	0.50 0.00 0.00	46.0000		197.00	6.00	No Ice 1/2" Ice 1" Ice	28.27 29.07 29.86	0.19 0.33 0.48
**											
PAD10-59AC	C	Paraboloid w/Radome	From Leg	0.50 0.00 0.00	35.0000		195.00	10.00	No Ice 1/2" Ice 1" Ice	78.54 79.85 81.17	0.58 0.99 1.40
***											
PA6-65AC	C	Paraboloid w/Radome	From Leg	0.50 0.00 0.00	35.0000		162.00	6.00	No Ice 1/2" Ice 1" Ice	28.27 29.07 29.86	0.09 0.24 0.39
**											
PRF-950	C	Grid	From Leg	6.00 0.00 0.00	0.0000		126.00	5.67	No Ice 1/2" Ice 1" Ice	25.22 25.97 26.71	0.04 0.17 0.31
**											
SBX4-W60AC2	C	Paraboloid w/Radome	From Leg	0.50 0.00 0.00	-16.5000		123.00	4.14	No Ice 1/2" Ice 1" Ice	13.47 14.02 14.57	0.08 0.15 0.22
**											
PRF-950	A	Grid	From Leg	3.00 0.00 0.00	0.0000		117.00	5.67	No Ice 1/2" Ice 1" Ice	25.22 25.97 26.71	0.04 0.17 0.31
***											
PA6-65AC	B	Paraboloid w/Radome	From Leg	0.50 0.00 0.00	37.0000		104.00	6.00	No Ice 1/2" Ice 1" Ice	28.27 29.07 29.86	0.07 0.15 0.23
***											

Truss-Leg Properties

Section Designation	Area in²	Area Ice in²	Self Weight K	Ice Weight K	Equiv. Diameter in	Equiv. Diameter Ice in	Leg Area in²
Valmont 207628 (12x1.25)	2161.7740	5920.4819	0.48	0.83	7.5062	20.5572	3.6816

Section Designation	Area	Area Ice	Self Weight	Ice Weight	Equiv. Diameter	Equiv. Diameter Ice	Leg Area
	in^2	in^2	K	K	in	in	in^2
Valmont 207628 (12x1.25)	2161.7740	5916.7431	0.48	0.82	7.5062	20.5442	3.6816
Valmont 207628 (12x1.25)	2161.7740	5910.8896	0.48	0.81	7.5062	20.5239	3.6816
Valmont 207628 (12x1.25)	2161.7740	5902.5724	0.48	0.80	7.5062	20.4950	3.6816
Valmont 195557 (12x1.75)	1998.1590	5293.5825	0.78	0.89	6.9381	18.3805	7.2158
Valmont 195557 (12x1.75)	1998.1590	5289.7864	0.78	0.89	6.9381	18.3673	7.2158
Valmont 211843 (12x2)	2279.9276	5355.7673	1.02	0.87	7.9164	18.5964	9.4248
Valmont 208334 (12x2.25)	2264.8364	5419.0389	1.20	0.91	7.8640	18.8161	11.9282
Valmont 208334 (12x2.25)	2264.8364	5409.3321	1.20	0.89	7.8640	18.7824	11.9282
Valmont 208335 (12x2.5)	2550.6273	5470.3820	1.41	0.88	8.8563	18.9944	14.7262
Valmont 208337 (12x2.75)	2786.4655	5529.7957	1.69	0.90	9.6752	19.2007	17.8187
Valmont 208338 (12x3)	3229.8584	6317.6103	2.03	0.85	11.2148	21.9361	21.2058
Valmont 208338 (12x3)	3229.8584	6295.1655	2.03	0.82	11.2148	21.8582	21.2058
Valmont 208339 (12x3.25)	3392.5998	6337.9850	2.30	0.79	11.7799	22.0069	24.8873
Valmont 208339 (12x3.25)	3392.5998	6295.5187	2.30	0.73	11.7799	21.8594	24.8873
Valmont 208339 (12x3.25)	3392.5998	6211.2166	2.30	0.63	11.7799	21.5667	24.8873

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice

Comb. No.	Description
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice
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 Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Leg C	Max. Vert	18	712.22	82.78	-45.48
	Max. H_x	18	712.22	82.78	-45.48
	Max. H_z	5	-490.08	-57.02	39.63
	Min. Vert	7	-573.46	-71.25	38.57
	Min. H_x	7	-573.46	-71.25	38.57
	Min. H_z	18	712.22	82.78	-45.48
Leg B	Max. Vert	10	696.99	-82.92	-43.07
	Max. H_x	23	-559.16	70.68	36.14
	Max. H_z	23	-559.16	70.68	36.14
	Min. Vert	23	-559.16	70.68	36.14
	Min. H_x	10	696.99	-82.92	-43.07
	Min. H_z	10	696.99	-82.92	-43.07
Leg A	Max. Vert	2	689.25	-2.37	92.83
	Max. H_x	19	-290.56	10.12	-41.50
	Max. H_z	2	689.25	-2.37	92.83
	Min. Vert	15	-566.01	2.49	-79.88
	Min. H_x	8	49.83	-9.93	4.64
	Min. H_z	15	-566.01	2.49	-79.88

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear$_x$ K	Shear$_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	132.70	0.00	0.00	41.25	38.33	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	159.25	0.74	-153.32	-22037.60	-64.57	-160.34
0.9 Dead+1.0 Wind 0 deg - No Ice	119.43	0.74	-153.32	-22035.87	-76.01	-160.35

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 30 deg - No Ice	159.25	73.01	-125.38	-18259.94	-10648.39	49.36
0.9 Dead+1.0 Wind 30 deg - No Ice	119.43	73.01	-125.38	-18260.60	-10653.05	49.34
1.2 Dead+1.0 Wind 60 deg - No Ice	159.25	126.85	-73.12	-10559.71	-18431.22	153.19
0.9 Dead+1.0 Wind 60 deg - No Ice	119.43	126.85	-73.12	-10565.37	-18430.93	153.16
1.2 Dead+1.0 Wind 90 deg - No Ice	159.25	144.17	0.07	112.49	-20888.38	215.94
0.9 Dead+1.0 Wind 90 deg - No Ice	119.44	144.17	0.07	99.97	-20886.52	215.91
1.2 Dead+1.0 Wind 120 deg - No Ice	159.25	133.42	77.05	11235.87	-19269.27	288.89
0.9 Dead+1.0 Wind 120 deg - No Ice	119.43	133.42	77.05	11216.28	-19268.37	288.89
1.2 Dead+1.0 Wind 150 deg - No Ice	159.25	71.71	123.77	17967.99	-10319.44	324.76
0.9 Dead+1.0 Wind 150 deg - No Ice	119.43	71.71	123.77	17944.06	-10324.36	324.66
1.2 Dead+1.0 Wind 180 deg - No Ice	159.25	0.13	144.48	21012.28	49.44	172.84
0.9 Dead+1.0 Wind 180 deg - No Ice	119.43	0.13	144.48	20986.40	37.87	172.79
1.2 Dead+1.0 Wind 210 deg - No Ice	159.25	-72.50	125.48	18524.20	10739.20	-33.51
0.9 Dead+1.0 Wind 210 deg - No Ice	119.43	-72.50	125.48	18499.81	10720.70	-33.49
1.2 Dead+1.0 Wind 240 deg - No Ice	159.25	-134.84	77.88	11464.10	19746.73	-139.18
0.9 Dead+1.0 Wind 240 deg - No Ice	119.43	-134.84	77.88	11444.32	19722.42	-139.21
1.2 Dead+1.0 Wind 270 deg - No Ice	159.25	-144.03	0.51	191.10	21009.08	-199.91
0.9 Dead+1.0 Wind 270 deg - No Ice	119.44	-144.03	0.51	178.54	20984.06	-199.88
1.2 Dead+1.0 Wind 300 deg - No Ice	159.25	-124.57	-71.31	-10208.85	18084.64	-276.89
0.9 Dead+1.0 Wind 300 deg - No Ice	119.43	-124.57	-71.31	-10214.73	18061.52	-276.82
1.2 Dead+1.0 Wind 330 deg - No Ice	159.25	-70.76	-122.30	-17516.82	10254.05	-309.55
0.9 Dead+1.0 Wind 330 deg - No Ice	119.43	-70.76	-122.30	-17518.03	10235.95	-309.46
1.2 Dead+1.0 Ice	311.95	0.00	-0.00	305.65	181.82	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice	311.95	0.29	-39.11	-5567.51	144.62	-56.51
1.2 Dead+1.0 Wind 30 deg+1.0 Ice	311.95	19.19	-32.82	-4667.91	-2724.68	17.57
1.2 Dead+1.0 Wind 60 deg+1.0 Ice	311.95	33.26	-19.19	-2584.56	-4842.22	62.05
1.2 Dead+1.0 Wind 90 deg+1.0 Ice	311.95	37.80	-0.10	304.24	-5506.13	77.29
1.2 Dead+1.0 Wind 120 deg+1.0 Ice	311.95	33.78	19.51	3235.57	-4884.02	94.32
1.2 Dead+1.0 Wind 150 deg+1.0 Ice	311.95	18.74	32.61	5210.07	-2638.43	101.57
1.2 Dead+1.0 Wind 180 deg+1.0 Ice	311.95	0.02	38.10	6060.09	180.99	59.29
1.2 Dead+1.0 Wind 210 deg+1.0 Ice	311.95	-18.89	32.96	5320.14	3062.51	-15.07
1.2 Dead+1.0 Wind 240 deg+1.0 Ice	311.95	-34.10	19.90	3311.87	5335.97	-60.91
1.2 Dead+1.0 Wind 270 deg+1.0 Ice	311.95	-37.71	0.07	324.01	5866.02	-76.68

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
1.2 Dead+1.0 Wind 300 deg+1.0 Ice	311.95	-32.60	-18.73	-2501.51	5083.71	-92.67
1.2 Dead+1.0 Wind 330 deg+1.0 Ice	311.95	-18.66	-32.27	-4531.65	2987.73	-97.85
Dead+Wind 0 deg - Service	132.70	0.15	-30.34	-4329.53	16.52	-31.87
Dead+Wind 30 deg - Service	132.70	14.45	-24.81	-3582.32	-2078.07	9.83
Dead+Wind 60 deg - Service	132.70	25.10	-14.47	-2058.38	-3618.34	30.59
Dead+Wind 90 deg - Service	132.70	28.53	0.01	53.70	-4104.77	43.15
Dead+Wind 120 deg - Service	132.70	26.40	15.25	2254.86	-3783.89	57.60
Dead+Wind 150 deg - Service	132.70	14.19	24.50	3587.71	-2013.22	64.56
Dead+Wind 180 deg - Service	132.70	0.02	28.59	4190.15	39.02	34.33
Dead+Wind 210 deg - Service	132.70	-14.35	24.83	3697.56	2154.63	-6.70
Dead+Wind 240 deg - Service	132.70	-26.68	15.41	2299.96	3936.75	-27.83
Dead+Wind 270 deg - Service	132.70	-28.50	0.10	69.23	4187.21	-39.98
Dead+Wind 300 deg - Service	132.70	-24.65	-14.11	-1989.13	3608.51	-55.22
Dead+Wind 330 deg - Service	132.70	-14.00	-24.21	-3435.63	2058.76	-61.56

Solution Summary

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
1	0.00	-132.70	0.00	0.00	132.70	0.00	0.000%
2	0.74	-159.25	-153.32	-0.74	159.25	153.32	0.000%
3	0.74	-119.43	-153.32	-0.74	119.43	153.32	0.000%
4	73.01	-159.25	-125.38	-73.01	159.25	125.38	0.001%
5	73.01	-119.43	-125.38	-73.01	119.43	125.38	0.000%
6	126.85	-159.25	-73.12	-126.85	159.25	73.12	0.000%
7	126.85	-119.43	-73.12	-126.85	119.43	73.12	0.000%
8	144.17	-159.25	0.07	-144.17	159.25	-0.07	0.000%
9	144.17	-119.43	0.07	-144.17	119.44	-0.07	0.001%
10	133.42	-159.25	77.05	-133.42	159.25	-77.05	0.000%
11	133.42	-119.43	77.05	-133.42	119.43	-77.05	0.000%
12	71.71	-159.25	123.77	-71.71	159.25	-123.77	0.000%
13	71.71	-119.43	123.77	-71.71	119.43	-123.77	0.000%
14	0.13	-159.25	144.48	-0.13	159.25	-144.48	0.000%
15	0.13	-119.43	144.48	-0.13	119.43	-144.48	0.000%
16	-72.50	-159.25	125.48	72.50	159.25	-125.48	0.000%
17	-72.50	-119.43	125.48	72.50	119.43	-125.48	0.000%
18	-134.84	-159.25	77.88	134.84	159.25	-77.88	0.000%
19	-134.84	-119.43	77.88	134.84	119.43	-77.88	0.000%
20	-144.03	-159.25	0.51	144.03	159.25	-0.51	0.000%
21	-144.03	-119.43	0.51	144.03	119.44	-0.51	0.001%
22	-124.57	-159.25	-71.31	124.57	159.25	71.31	0.000%
23	-124.57	-119.43	-71.31	124.57	119.43	71.31	0.000%
24	-70.76	-159.25	-122.30	70.76	159.25	122.30	0.000%
25	-70.76	-119.43	-122.30	70.76	119.43	122.30	0.000%
26	0.00	-311.95	0.00	-0.00	311.95	0.00	0.000%
27	0.29	-311.95	-39.11	-0.29	311.95	39.11	0.000%
28	19.19	-311.95	-32.82	-19.19	311.95	32.82	0.000%
29	33.26	-311.95	-19.19	-33.26	311.95	19.19	0.000%
30	37.80	-311.95	-0.10	-37.80	311.95	0.10	0.000%
31	33.78	-311.95	19.51	-33.78	311.95	-19.51	0.000%
32	18.74	-311.95	32.61	-18.74	311.95	-32.61	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
33	0.02	-311.95	38.10	-0.02	311.95	-38.10	0.000%
34	-18.89	-311.95	32.96	18.89	311.95	-32.96	0.000%
35	-34.10	-311.95	19.90	34.10	311.95	-19.90	0.000%
36	-37.71	-311.95	0.07	37.71	311.95	-0.07	0.000%
37	-32.60	-311.95	-18.73	32.60	311.95	18.73	0.000%
38	-18.66	-311.95	-32.27	18.66	311.95	32.27	0.000%
39	0.15	-132.70	-30.34	-0.15	132.70	30.34	0.000%
40	14.45	-132.70	-24.81	-14.45	132.70	24.81	0.000%
41	25.10	-132.70	-14.47	-25.10	132.70	14.47	0.000%
42	28.53	-132.70	0.01	-28.53	132.70	-0.01	0.000%
43	26.40	-132.70	15.25	-26.40	132.70	-15.25	0.000%
44	14.19	-132.70	24.50	-14.19	132.70	-24.50	0.000%
45	0.02	-132.70	28.59	-0.02	132.70	-28.59	0.000%
46	-14.35	-132.70	24.83	14.35	132.70	-24.83	0.000%
47	-26.68	-132.70	15.41	26.68	132.70	-15.41	0.000%
48	-28.50	-132.70	0.10	28.50	132.70	-0.10	0.000%
49	-24.65	-132.70	-14.11	24.65	132.70	14.11	0.000%
50	-14.00	-132.70	-24.21	14.00	132.70	24.21	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	4	0.00000001	0.00001159
3	Yes	4	0.00000001	0.00000797
4	Yes	4	0.00000001	0.00001350
5	Yes	4	0.00000001	0.00000984
6	Yes	4	0.00000001	0.00001499
7	Yes	4	0.00000001	0.00001128
8	Yes	4	0.00000001	0.00001342
9	Yes	4	0.00000001	0.00000984
10	Yes	4	0.00000001	0.00001155
11	Yes	4	0.00000001	0.00000795
12	Yes	4	0.00000001	0.00001346
13	Yes	4	0.00000001	0.00000984
14	Yes	4	0.00000001	0.00001501
15	Yes	4	0.00000001	0.00001128
16	Yes	4	0.00000001	0.00001346
17	Yes	4	0.00000001	0.00000983
18	Yes	4	0.00000001	0.00001149
19	Yes	4	0.00000001	0.00000786
20	Yes	4	0.00000001	0.00001342
21	Yes	4	0.00000001	0.00000984
22	Yes	4	0.00000001	0.00001498
23	Yes	4	0.00000001	0.00001126
24	Yes	4	0.00000001	0.00001348
25	Yes	4	0.00000001	0.00000987
26	Yes	4	0.00000001	0.00000238
27	Yes	4	0.00000001	0.00002741
28	Yes	4	0.00000001	0.00002758
29	Yes	4	0.00000001	0.00002824
30	Yes	4	0.00000001	0.00002794
31	Yes	4	0.00000001	0.00002839
32	Yes	4	0.00000001	0.00002896
33	Yes	4	0.00000001	0.00002985
34	Yes	4	0.00000001	0.00002961
35	Yes	4	0.00000001	0.00002922
36	Yes	4	0.00000001	0.00002875
37	Yes	4	0.00000001	0.00002868
38	Yes	4	0.00000001	0.00002766
39	Yes	4	0.00000001	0.00000993
40	Yes	4	0.00000001	0.00001017
41	Yes	4	0.00000001	0.00001043
42	Yes	4	0.00000001	0.00001012
43	Yes	4	0.00000001	0.00000998
44	Yes	4	0.00000001	0.00001018
45	Yes	4	0.00000001	0.00001050
46	Yes	4	0.00000001	0.00001033
47	Yes	4	0.00000001	0.00001009
48	Yes	4	0.00000001	0.00001020
49	Yes	4	0.00000001	0.00001043
50	Yes	4	0.00000001	0.00001009

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	280 - 270	3.713	47	0.1099	0.0150
T2	270 - 260	3.481	47	0.1098	0.0154
T3	260 - 240	3.248	47	0.1089	0.0162
T4	240 - 220	2.790	47	0.1036	0.0165
T5	220 - 210	2.359	47	0.0933	0.0166

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T6	210 - 200	2.157	47	0.0897	0.0160
T7	200 - 180	1.961	47	0.0854	0.0156
T8	180 - 160	1.600	47	0.0770	0.0140
T9	160 - 140	1.277	47	0.0688	0.0120
T10	140 - 120	0.989	47	0.0590	0.0100
T11	120 - 100	0.745	47	0.0497	0.0086
T12	100 - 80	0.537	47	0.0411	0.0071
T13	80 - 60	0.363	47	0.0332	0.0058
T14	60 - 40	0.222	47	0.0246	0.0044
T15	40 - 20	0.116	47	0.0168	0.0029
T16	20 - 0	0.037	47	0.0085	0.0015

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
280.00	Kreco CO-35A	47	3.713	0.1099	0.0150	Inf
277.00	PAL8-59	47	3.643	0.1099	0.0151	Inf
276.00	PAL8-59	47	3.620	0.1099	0.0152	Inf
260.00	DB589-Y	47	3.248	0.1089	0.0162	793164
257.00	(2) 10' 8-Bay Dipole	47	3.178	0.1084	0.0163	513857
254.00	DB212-C	47	3.109	0.1079	0.0164	376521
252.00	PADX6-59AC	47	3.063	0.1075	0.0164	319456
240.00	SD110-SFXPASNM	47	2.790	0.1036	0.0165	165580
228.00	Comprod 531-70HD	47	2.527	0.0972	0.0167	131338
220.00	PAL8-59	47	2.359	0.0933	0.0166	125257
216.00	SD110-SFXPASNM	47	2.277	0.0918	0.0164	162440
203.00	SC479-HF1LDF(DXX-E5765)	47	2.019	0.0867	0.0157	122752
200.00	96" x 4" x 6" Panel	47	1.961	0.0854	0.0156	101835
197.00	PAL6	47	1.904	0.0841	0.0154	99156
195.00	PAD10-59AC	47	1.866	0.0832	0.0153	101982
175.00	BCR-80010:90	47	1.516	0.0750	0.0136	140690
165.00	ANT450F6	47	1.355	0.0710	0.0126	149561
162.00	PA6-65AC	47	1.308	0.0697	0.0123	151461
155.00	Site Pro 1 VFA12-HD	47	1.202	0.0664	0.0115	134262
145.00	MT6407-77A w/ Mount Pipe	47	1.057	0.0615	0.0105	106456
140.00	FAA L-810 Sidelight	47	0.989	0.0590	0.0100	99327
128.00	Side Arm Mount [SO 311-1]	47	0.838	0.0533	0.0091	119015
126.00	PRF-950	47	0.814	0.0524	0.0090	123839
125.00	CO-36A	47	0.802	0.0520	0.0089	126401
124.00	ANT450F6	47	0.791	0.0515	0.0089	129054
123.00	SBX4-W60AC2	47	0.779	0.0511	0.0088	131707
118.00	(2) ANT400D3	47	0.723	0.0489	0.0085	140458
117.00	PRF-950	47	0.712	0.0484	0.0084	140892
104.00	PA6-65AC	47	0.576	0.0428	0.0074	141412
95.00	BR6155	47	0.491	0.0391	0.0068	144630
55.00	ANT400D3	47	0.193	0.0226	0.0040	139932
50.00	Telewave ANT790	47	0.166	0.0206	0.0037	167073

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	280 - 270	18.581	18	0.5520	0.0750
T2	270 - 260	17.415	18	0.5511	0.0772

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T3	260 - 240	16.248	18	0.5459	0.0809
T4	240 - 220	13.952	18	0.5184	0.0827
T5	220 - 210	11.797	18	0.4657	0.0831
T6	210 - 200	10.787	18	0.4477	0.0803
T7	200 - 180	9.807	18	0.4260	0.0780
T8	180 - 160	8.009	18	0.3842	0.0702
T9	160 - 140	6.395	18	0.3432	0.0603
T10	140 - 120	4.955	18	0.2946	0.0502
T11	120 - 100	3.734	18	0.2485	0.0432
T12	100 - 80	2.696	18	0.2056	0.0359
T13	80 - 60	1.824	18	0.1660	0.0291
T14	60 - 40	1.118	18	0.1229	0.0220
T15	40 - 20	0.583	18	0.0841	0.0148
T16	20 - 0	0.189	18	0.0427	0.0075

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
280.00	Kreco CO-35A	18	18.581	0.5520	0.0750	578569
277.00	PAL8-59	18	18.231	0.5520	0.0755	578569
276.00	PAL8-59	18	18.115	0.5519	0.0756	578569
260.00	DB589-Y	18	16.248	0.5459	0.0809	150596
257.00	(2) 10' 8-Bay Dipole	18	15.898	0.5435	0.0816	99038
254.00	DB212-C	18	15.550	0.5407	0.0820	72255
252.00	PADX6-59AC	18	15.319	0.5385	0.0822	60958
240.00	SD110-SFXPASNM	18	13.952	0.5184	0.0827	32036
228.00	Comprod 531-70HD	18	12.637	0.4859	0.0836	25736
220.00	PAL8-59	18	11.797	0.4657	0.0831	24685
216.00	SD110-SFXPASNM	18	11.389	0.4582	0.0821	32052
203.00	SC479-HF1LDF(DXX-E5765)	18	10.097	0.4328	0.0787	24453
200.00	96" x 4" x 6" Panel	18	9.807	0.4260	0.0780	20301
197.00	PAL6	18	9.523	0.4193	0.0772	19785
195.00	PAD10-59AC	18	9.337	0.4149	0.0765	20363
175.00	BCR-80010:90	18	7.590	0.3744	0.0679	28309
165.00	ANT450F6	18	6.783	0.3541	0.0629	30082
162.00	PA6-65AC	18	6.549	0.3477	0.0614	30460
155.00	Site Pro 1 VFA12-HD	18	6.017	0.3315	0.0577	27003
145.00	MT6407-77A w/ Mount Pipe	18	5.296	0.3069	0.0525	21415
140.00	FAA L-810 Sidelight	18	4.955	0.2946	0.0502	19979
128.00	Side Arm Mount [SO 311-1]	18	4.198	0.2665	0.0459	23873
126.00	PRF-950	18	4.079	0.2619	0.0452	24825
125.00	CO-36A	18	4.021	0.2597	0.0449	25330
124.00	ANT450F6	18	3.963	0.2574	0.0445	25852
123.00	SBX4-W60AC2	18	3.905	0.2552	0.0442	26375
118.00	(2) ANT400D3	18	3.623	0.2441	0.0425	28119
117.00	PRF-950	18	3.568	0.2419	0.0421	28214
104.00	PA6-65AC	18	2.890	0.2138	0.0373	28464
95.00	BR6155	18	2.463	0.1957	0.0341	29064
55.00	ANT400D3	18	0.970	0.1129	0.0203	28138
50.00	Telewave ANT790	18	0.833	0.1033	0.0185	33400

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load / Allowable	Allowable Ratio	Criteria
T1	280	Diagonal	A325N	1.0000	1	3.04	19.47	0.156	1.05	Member Block Shear
		Secondary Horizontal	A325N	1.0000	1	1.41	15.24	0.092	1.05	Member Block Shear
		Top Girt	A325N	1.0000	1	0.46	20.34	0.022	1.05	Member Block Shear
T2	270	Leg	A325N	1.0000	6	1.12	54.52	0.021	1.05	Bolt Tension
		Diagonal	A325N	1.0000	1	3.90	19.47	0.200	1.05	Member Block Shear
		Secondary Horizontal	A325N	1.0000	1	0.23	15.24	0.015	1.05	Member Block Shear
T3	260	Leg	A325N	1.0000	6	4.09	54.52	0.075	1.05	Bolt Tension
		Diagonal	A325N	1.0000	1	6.52	19.47	0.335	1.05	Member Block Shear
T4	240	Leg	A325N	1.0000	6	8.19	54.52	0.150	1.05	Bolt Tension
		Diagonal	A325N	1.0000	1	8.52	18.30	0.466	1.05	Member Block Shear
		Top Girt	A325N	1.0000	1	1.93	25.45	0.076	1.05	Member Bearing
		Mid Girt	A325N	1.0000	1	2.54	25.45	0.100	1.05	Member Bearing
T5	220	Diagonal	A325N	1.0000	1	10.68	18.30	0.584	1.05	Member Block Shear
T6	210	Leg	A325N	1.0000	12	6.71	54.52	0.123	1.05	Bolt Tension
		Diagonal	A325N	1.0000	1	11.33	18.30	0.619	1.05	Member Block Shear
		Secondary Horizontal	A325N	1.0000	1	1.77	25.45	0.070	1.05	Member Bearing
T7	200	Leg	A325N	1.0000	12	8.87	54.52	0.163	1.05	Bolt Tension
		Diagonal	A325N	0.8750	1	18.64	29.58	0.630	1.05	Gusset Bearing
T8	180	Leg	A325N	1.0000	12	12.22	54.52	0.224	1.05	Bolt Tension
		Diagonal	A325N	0.8750	1	20.95	29.58	0.708	1.05	Gusset Bearing
T9	160	Leg	A325N	1.0000	12	15.58	54.52	0.286	1.05	Bolt Tension
		Diagonal	A325N	0.8750	1	24.85	37.95	0.655	1.05	Member Block Shear
T10	140	Leg	A325N	1.0000	12	19.66	54.52	0.361	1.05	Bolt Tension
		Diagonal	A325N	0.8750	1	30.24	48.72	0.621	1.05	Gusset Bearing
T11	120	Leg	A325N	1.0000	12	24.05	54.52	0.441	1.05	Bolt Tension
		Diagonal	A325N	0.8750	2	15.71	39.15	0.401	1.05	Gusset Bearing
T12	100	Leg	A325N	1.2500	12	28.47	87.22	0.326	1.05	Bolt Tension
		Diagonal	A325N	0.8750	2	16.57	39.15	0.423	1.05	Gusset Bearing
T13	80	Leg	A325N	1.2500	12	32.88	87.22	0.377	1.05	Bolt Tension
		Diagonal	A325N	0.8750	2	17.32	39.15	0.442	1.05	Gusset Bearing
T14	60	Leg	A325N	1.2500	12	37.23	87.22	0.427	1.05	Bolt Tension
		Diagonal	A325N	0.8750	2	18.03	39.15	0.461	1.05	Gusset Bearing
T15	40	Leg	A325N	1.2500	12	41.62	87.22	0.477	1.05	Bolt Tension
		Diagonal	A325N	0.8750	2	18.59	39.15	0.475	1.05	Gusset Bearing
T16	20	Diagonal	A325N	0.8750	2	19.13	39.15	0.489	1.05	Gusset Bearing

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	280 - 270	Valmont 207628 (12x1.25)	10.02	10.02	45.4 K=1.00	3.6816	-3.26	142.49	0.023 [1]
T2	270 - 260	Valmont 207628 (12x1.25)	10.02	10.02	45.4 K=1.00	3.6816	-9.98	142.49	0.070 [1]
T3	260 - 240	Valmont 207628 (12x1.25)	20.03	10.02	45.4 K=1.00	3.6816	-32.50	142.49	0.228 [1]
T4	240 - 220	Valmont 207628 (12x1.25)	20.03	10.02	45.4 K=1.00	3.6816	-62.97	142.49	0.442 [1]
T5	220 - 210	Valmont 195557 (12x1.75)	10.02	10.02	31.9 K=1.00	7.2158	-82.38	301.49	0.273 [1]
T6	210 - 200	Valmont 195557 (12x1.75)	10.02	10.02	31.9 K=1.00	7.2158	-102.20	301.49	0.339 [1]
T7	200 - 180	Valmont 211843 (12x2)	20.03	20.03	48.8 K=1.00	9.4248	-134.99	356.29	0.379 [1]
T8	180 - 160	Valmont 208334 (12x2.25)	20.03	20.03	48.8 K=1.00	11.9282	-185.25	451.15	0.411 [1]
T9	160 - 140	Valmont 208334 (12x2.25)	20.03	20.03	48.8 K=1.00	11.9282	-237.13	451.15	0.526 [1]
T10	140 - 120	Valmont 208335 (12x2.5)	20.03	20.03	48.7 K=1.00	14.7262	-297.22	557.27	0.533 [1]
T11	120 - 100	Valmont 208337 (12x2.75)	20.03	20.03	48.6 K=1.00	17.8187	-360.23	674.68	0.534 [1]
T12	100 - 80	Valmont 208338 (12x3)	20.03	20.03	48.5 K=1.00	21.2057	-423.94	803.44	0.528 [1]
T13	80 - 60	Valmont 208338 (12x3)	20.03	20.03	48.5 K=1.00	21.2057	-488.66	803.44	0.608 [1]
T14	60 - 40	Valmont 208339 (12x3.25)	20.03	20.03	48.4 K=1.00	24.8873	-552.79	943.57	0.586 [1]
T15	40 - 20	Valmont 208339 (12x3.25)	20.03	20.03	48.4 K=1.00	24.8873	-618.88	943.57	0.656 [1]
T16	20 - 0	Valmont 208339 (12x3.25)	20.03	20.03	48.4 K=1.00	24.8873	-680.47	943.57	0.721 [1]

[1] P_u / ϕP_n controls

Truss-Leg Diagonal Data

Section No.	Elevation ft	Diagonal Size	L_d ft	Kl/r	ϕP_n K	A in^2	V_u K	ϕV_n K	Stress Ratio
T1	280 - 270	0.5	1.48	121.0	165.67	0.1963	1.03	3.29	0.313
T2	270 - 260	0.5	1.48	121.0	165.67	0.1963	0.26	3.29	0.079
T3	260 - 240	0.5	1.48	121.0	165.67	0.1963	1.08	3.29	0.328
T4	240 - 220	0.5	1.48	121.0	165.67	0.1963	0.65	3.29	0.196
T5	220 - 210	0.5	1.44	117.6	324.71	0.1963	1.52	3.62	0.421
T6	210 - 200	0.5	1.44	117.6	324.71	0.1963	1.58	3.62	0.435
T7	200 - 180	0.5	1.39	113.2	424.12	0.1963	2.21	3.76	0.588
T8	180 - 160	0.5	1.38	112.2	536.77	0.1963	1.59	3.80	0.418
T9	160 - 140	0.5	1.38	112.2	536.77	0.1963	2.96	3.80	0.777
T10	140 - 120	0.5	1.36	111.2	662.68	0.1963	1.17	3.85	0.303
T11	120 - 100	0.625	1.35	88.2	801.84	0.3068	1.13	7.66	0.148
T12	100 - 80	0.625	1.34	87.4	954.26	0.3068	0.85	7.71	0.111
T13	80 - 60	0.625	1.34	87.4	954.26	0.3068	0.92	7.71	0.120
T14	60 - 40	0.625	1.33	86.7	1119.93	0.3068	1.12	7.77	0.144
T15	40 - 20	0.625	1.33	86.7	1119.93	0.3068	1.22	7.77	0.157
T16	20 - 0	0.625	1.33	86.7	1119.93	0.3068	1.21	7.77	0.156

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	280 - 270	L 3 x 3 x 5/16	16.01	7.48	152.3 K=1.00	1.7800	-3.25	21.96	0.148 [1]
T2	270 - 260	L 3 x 3 x 5/16	16.80	7.88	160.6 K=1.00	1.7800	-4.15	19.76	0.210 [1]
T3	260 - 240	L 3 x 3 x 5/16	18.45	8.72	177.6 K=1.00	1.7800	-6.67	16.15	0.413 [1]
T4	240 - 220	L 4 x 4 x 1/4	20.16	9.58	144.6 K=1.00	1.9400	-9.41	26.54	0.355 [1]
T5	220 - 210	L 4 x 4 x 1/4	21.03	10.02	151.3 K=1.00	1.9400	-10.80	24.26	0.445 [1]
T6	210 - 200	L 4 x 4 x 1/4	21.92	10.47	158.0 K=1.00	1.9400	-11.41	22.24	0.513 [1]
T7	200 - 180	2L 3.5 x 3.5 x 1/4 (3/8)	29.01	14.29	164.1 K=1.00	3.3800	-19.43	34.61	0.561 [1]
T8	180 - 160	2L 'a' > 81.9131 in - 89 2L 3.5 x 3.5 x 1/4 (3/8)	30.49	15.03	172.5 K=1.00	3.3800	-21.01	31.42	0.669 [1]
T9	160 - 140	2L 'a' > 86.1510 in - 98 2L 4 x 4 x 1/4 (3/8)	32.02	15.80	159.5 K=1.00	3.8800	-26.16	41.27	0.634 [1]
T10	140 - 120	2L 'a' > 90.4521 in - 107 2L 4 x 4 x 3/8 (1/2)	33.61	16.59	165.7 K=1.00	5.7188	-30.24	58.42	0.518 [1]
T11	120 - 100	2L 'a' > 95.2708 in - 116 2L 4 x 4 x 3/8 (1/2)	35.23	17.34	173.2 K=1.00	5.7188	-31.74	53.60	0.592 [1]
T12	100 - 80	2L 'a' > 92.7523 in - 125 2L 5 x 5 x 5/16 (1/2)	36.90	18.17	146.4 K=1.00	6.0547	-33.77	75.43	0.448 [1]
T13	80 - 60	2L 'a' > 100.4316 in - 134 2L 5 x 5 x 5/16 (1/2)	38.59	19.02	153.2 K=1.00	6.0547	-35.02	69.37	0.505 [1]
T14	60 - 40	2L 'a' > 104.1226 in - 143 2L 5 x 5 x 5/16 (1/2)	40.32	19.88	160.2 K=1.00	6.0547	-36.85	63.90	0.577 [1]
T15	40 - 20	2L 'a' > 107.8743 in - 152 2L 5 x 5 x 5/16 (1/2)	42.06	20.76	167.2 K=1.00	6.0547	-37.37	58.96	0.634 [1]
T16	20 - 0	2L 'a' > 111.6793 in - 161 2L 5 x 5 x 5/16 (1/2) 2L 'a' > 115.5312 in - 170	43.83	21.64	174.3 K=1.00	6.0547	-39.97	54.49	0.734 [1]

[1] P_u / ϕP_n controls

Secondary Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	280 - 270	L 2.5 x 2.5 x 5/16	12.48	11.15	175.4 K=1.00	1.4600	-1.32	13.58	0.097 [1]
T2	270 - 260	L 2.5 x 2.5 x 5/16	13.48	12.15	191.2 K=1.00	1.4600	-0.20	11.43	0.018 [1]
T6	210 - 200	L 5 x 5 x 3/8	19.49	18.15	140.0 K=1.00	3.6100	-1.77	52.71	0.034 [1]

[1] P_u / ϕP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	280 - 270	L 3.5 x 3.5 x 5/16	12.00	10.67	185.5 K=1.00	2.0900	-0.52	17.38	0.030 [1]
T4	240 - 220	L 5 x 5 x 3/8	16.00	14.67	177.8 K=1.00	3.6100	-1.56	32.69	0.048 [1]

[1] P_u / ϕP_n controls

Mid Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T4	240 - 220	L 5 x 5 x 3/8	17.00	15.67	189.9 K=1.00	3.6100	-2.16	28.65	0.076 [1]

[1] P_u / ϕP_n controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	280 - 270	Valmont 207628 (12x1.25)	10.02	10.02	45.4	3.6816	1.19	165.67	0.007 [1]
T2	270 - 260	Valmont 207628 (12x1.25)	10.02	10.02	45.4	3.6816	6.74	165.67	0.041 [1]
T3	260 - 240	Valmont 207628 (12x1.25)	20.03	10.02	45.4	3.6816	24.51	165.67	0.148 [1]
T4	240 - 220	Valmont 207628 (12x1.25)	20.03	10.02	45.4	3.6816	49.12	165.67	0.297 [1]
T5	220 - 210	Valmont 195557 (12x1.75)	10.02	10.02	31.9	7.2158	64.66	324.71	0.199 [1]
T6	210 - 200	Valmont 195557 (12x1.75)	10.02	10.02	31.9	7.2158	80.56	324.71	0.248 [1]
T7	200 - 180	Valmont 211843 (12x2)	20.03	20.03	48.8	9.4248	106.47	424.12	0.251 [1]
T8	180 - 160	Valmont 208334 (12x2.25)	20.03	20.03	48.8	11.9282	146.64	536.77	0.273 [1]
T9	160 - 140	Valmont 208334 (12x2.25)	20.03	20.03	48.8	11.9282	186.97	536.77	0.348 [1]
T10	140 - 120	Valmont 208335 (12x2.5)	20.03	20.03	48.7	14.7262	235.88	662.68	0.356 [1]
T11	120 - 100	Valmont 208337 (12x2.75)	20.03	20.03	48.6	17.8187	288.61	801.84	0.360 [1]
T12	100 - 80	Valmont 208338 (12x3)	20.03	20.03	48.5	21.2057	341.66	954.26	0.358 [1]
T13	80 - 60	Valmont 208338 (12x3)	20.03	20.03	48.5	21.2057	394.52	954.26	0.413 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T14	60 - 40	Valmont 208339 (12x3.25)	20.03	20.03	48.4	24.8873	446.72	1119.93	0.399 [1]
T15	40 - 20	Valmont 208339 (12x3.25)	20.03	20.03	48.4	24.8873	499.41	1119.93	0.446 [1]
T16	20 - 0	Valmont 208339 (12x3.25)	20.03	20.03	48.4	24.8873	548.87	1119.93	0.490 [1]

[1] P_u / ϕP_n controls

Truss-Leg Diagonal Data

Section No.	Elevation ft	Diagonal Size	L_d ft	Kl/r	ϕP_n K	A in^2	V_u K	ϕV_n K	Stress Ratio
T1	280 - 270	0.5	1.48	121.0	165.67	0.1963	1.03	3.29	0.313
T2	270 - 260	0.5	1.48	121.0	165.67	0.1963	0.26	3.29	0.079
T3	260 - 240	0.5	1.48	121.0	165.67	0.1963	1.08	3.29	0.328
T4	240 - 220	0.5	1.48	121.0	165.67	0.1963	0.65	3.29	0.196
T5	220 - 210	0.5	1.44	117.6	324.71	0.1963	1.52	3.62	0.421
T6	210 - 200	0.5	1.44	117.6	324.71	0.1963	1.58	3.62	0.435
T7	200 - 180	0.5	1.39	113.2	424.12	0.1963	2.21	3.76	0.588
T8	180 - 160	0.5	1.38	112.2	536.77	0.1963	1.59	3.80	0.418
T9	160 - 140	0.5	1.38	112.2	536.77	0.1963	2.96	3.80	0.777
T10	140 - 120	0.5	1.36	111.2	662.68	0.1963	1.17	3.85	0.303
T11	120 - 100	0.625	1.35	88.2	801.84	0.3068	1.13	7.66	0.148
T12	100 - 80	0.625	1.34	87.4	954.26	0.3068	0.85	7.71	0.111
T13	80 - 60	0.625	1.34	87.4	954.26	0.3068	0.92	7.71	0.120
T14	60 - 40	0.625	1.33	86.7	1119.93	0.3068	1.12	7.77	0.144
T15	40 - 20	0.625	1.33	86.7	1119.93	0.3068	1.22	7.77	0.157
T16	20 - 0	0.625	1.33	86.7	1119.93	0.3068	1.21	7.77	0.156

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	280 - 270	L 3 x 3 x 5/16	16.01	7.48	100.1	1.0713	3.04	46.60	0.065 [1]
T2	270 - 260	L 3 x 3 x 5/16	16.80	7.88	105.4	1.0713	3.90	46.60	0.084 [1]
T3	260 - 240	L 3 x 3 x 5/16	18.45	8.72	116.3	1.0713	6.52	46.60	0.140 [1]
T4	240 - 220	L 4 x 4 x 1/4	20.16	9.58	93.9	1.2441	8.52	54.12	0.157 [1]
T5	220 - 210	L 4 x 4 x 1/4	21.03	10.02	98.1	1.2441	10.68	54.12	0.197 [1]
T6	210 - 200	L 4 x 4 x 1/4	21.92	10.47	102.4	1.2441	11.33	54.12	0.209 [1]
T7	200 - 180	2L 3.5 x 3.5 x 1/4 (3/8) 2L 'a' > 81.9131 in - 88	29.01	14.29	159.7	2.1600	18.64	93.96	0.198 [1]
T8	180 - 160	2L 3.5 x 3.5 x 1/4 (3/8) 2L 'a' > 86.1510 in - 97	30.49	15.03	167.8	2.1600	20.95	93.96	0.223 [1]
T9	160 - 140	2L 4 x 4 x 1/4 (3/8) 2L 'a' > 90.4521 in - 106	32.02	15.80	153.7	2.5350	24.85	110.27	0.225 [1]
T10	140 - 120	2L 4 x 4 x 3/8 (1/2) 2L 'a' > 95.2708 in - 115	33.61	16.59	163.3	3.7266	29.76	162.10	0.184 [1]
T11	120 - 100	2L 4 x 4 x 3/8 (1/2) 2L 'a' > 92.7523 in - 124	35.23	17.34	171.2	3.7266	31.43	162.10	0.194 [1]
T12	100 - 80	2L 5 x 5 x 5/16 (1/2) 2L 'a' > 100.4316 in - 133	36.90	18.17	141.4	4.0723	33.13	177.14	0.187 [1]
T13	80 - 60	2L 5 x 5 x 5/16 (1/2) 2L 'a' > 104.1226 in - 142	38.59	19.02	147.9	4.0723	34.64	177.14	0.196 [1]
T14	60 - 40	2L 5 x 5 x 5/16 (1/2)	40.32	19.88	154.5	4.0723	36.06	177.14	0.204 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T15	40 - 20	2L 'a' > 107.8743 in - 151 2L 5 x 5 x 5/16 (1/2)	42.06	20.76	161.2	4.0723	37.18	177.14	0.210 [1]
T16	20 - 0	2L 'a' > 111.6793 in - 160 2L 5 x 5 x 5/16 (1/2) 2L 'a' > 115.5312 in - 169	43.83	21.64	168.0	4.0723	38.27	177.14	0.216 [1]

[1] $P_u / \phi P_n$ controls

Secondary Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	280 - 270	L 2.5 x 2.5 x 5/16	12.48	11.15	180.7	0.8313	1.41	36.16	0.039 [1]
T2	270 - 260	L 2.5 x 2.5 x 5/16	13.48	12.15	196.4	0.8313	0.23	36.16	0.006 [1]
T6	210 - 200	L 5 x 5 x 3/8	19.49	18.15	142.6	2.3911	1.77	104.01	0.017 [1]

[1] $P_u / \phi P_n$ controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	280 - 270	L 3.5 x 3.5 x 5/16	12.00	10.67	122.2	1.3038	0.46	56.72	0.008 [1]
T4	240 - 220	L 5 x 5 x 3/8	16.00	14.67	115.7	2.3911	1.93	104.01	0.019 [1]

[1] $P_u / \phi P_n$ controls

Mid Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T4	240 - 220	L 5 x 5 x 3/8	17.00	15.67	123.4	2.3911	2.54	104.01	0.024 [1]

[1] $P_u / \phi P_n$ controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	280 - 270	Leg	Valmont 207628 (12x1.25)	2	-3.26	149.62	29.8	Pass
T2	270 - 260	Leg	Valmont 207628 (12x1.25)	18	-8.99	149.62	7.5	Pass
T3	260 - 240	Leg	Valmont 207628 (12x1.25)	30	-18.77	149.62	31.2	Pass
T4	240 - 220	Leg	Valmont 207628 (12x1.25)	43	-62.97	149.62	42.1	Pass
T5	220 - 210	Leg	Valmont 195557 (12x1.75)	64	-82.38	316.56	40.1	Pass

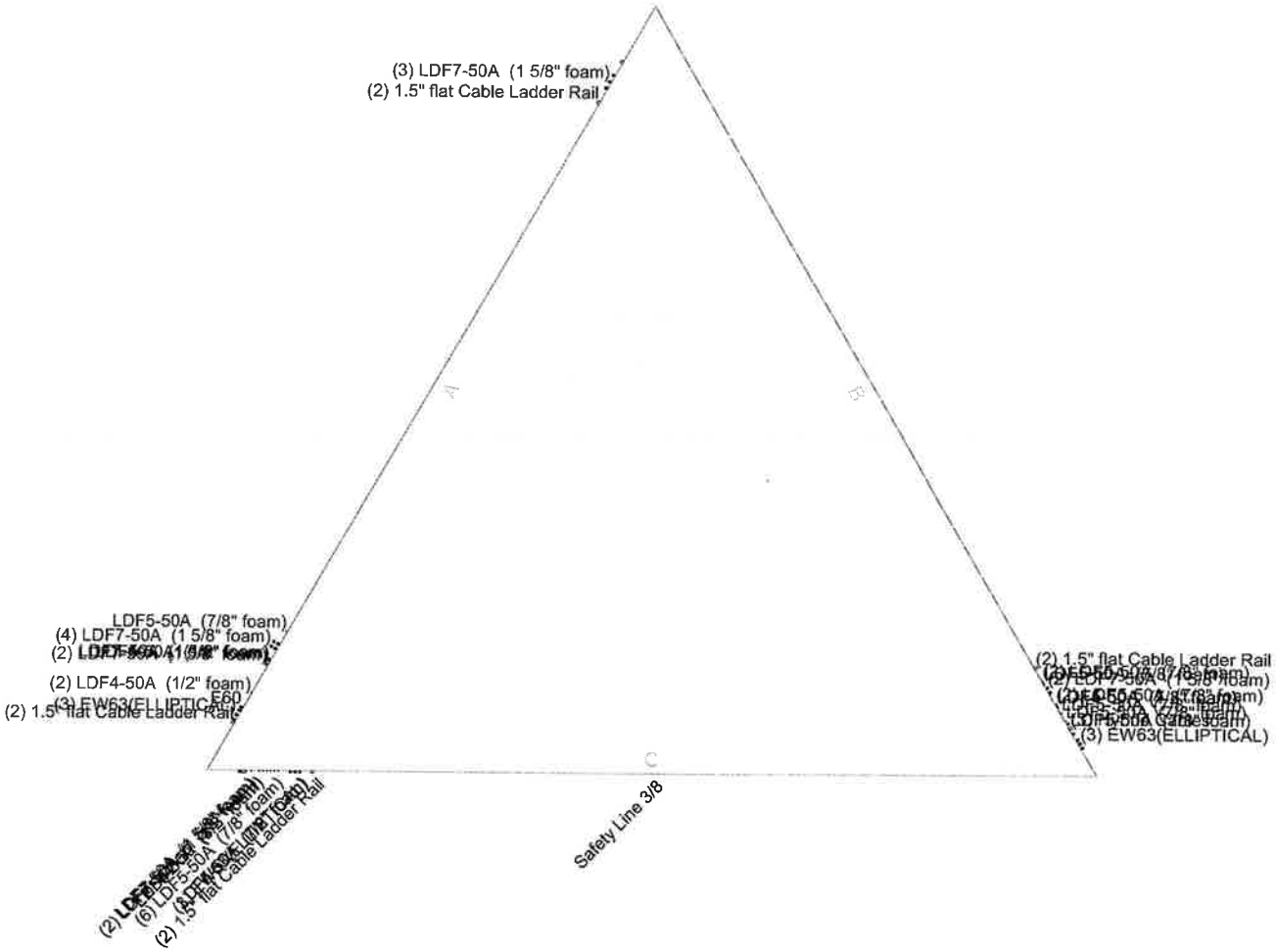
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T6	210 - 200	Leg	Valmont 195557 (12x1.75)	73	-102.20	316.56	41.4	Pass
T7	200 - 180	Leg	Valmont 211843 (12x2)	85	-134.99	374.11	56.0	Pass
T8	180 - 160	Leg	Valmont 208334 (12x2.25)	94	-185.25	473.71	39.8	Pass
T9	160 - 140	Leg	Valmont 208334 (12x2.25)	103	-237.13	473.71	74.0	Pass
T10	140 - 120	Leg	Valmont 208335 (12x2.5)	112	-297.22	585.13	50.8	Pass
T11	120 - 100	Leg	Valmont 208337 (12x2.75)	121	-360.23	708.42	50.8	Pass
T12	100 - 80	Leg	Valmont 208338 (12x3)	130	-423.94	843.61	50.3	Pass
T13	80 - 60	Leg	Valmont 208338 (12x3)	139	-488.66	843.61	57.9	Pass
T14	60 - 40	Leg	Valmont 208339 (12x3.25)	148	-552.79	990.75	55.8	Pass
T15	40 - 20	Leg	Valmont 208339 (12x3.25)	157	-618.88	990.75	62.5	Pass
T16	20 - 0	Leg	Valmont 208339 (12x3.25)	166	-680.47	990.75	68.7	Pass
T1	280 - 270	Diagonal	L 3 x 3 x 5/16	9	-3.25	23.05	14.1	Pass
T2	270 - 260	Diagonal	L 3 x 3 x 5/16	21	-4.15	20.74	20.0	Pass
T3	260 - 240	Diagonal	L 3 x 3 x 5/16	36	-6.67	16.96	39.3	Pass
T4	240 - 220	Diagonal	L 4 x 4 x 1/4	52	-9.41	27.87	33.8	Pass
T5	220 - 210	Diagonal	L 4 x 4 x 1/4	67	-10.80	25.47	42.4	Pass
T6	210 - 200	Diagonal	L 4 x 4 x 1/4	76	-11.41	23.35	48.9	Pass
T7	200 - 180	Diagonal	2L 3.5 x 3.5 x 1/4 (3/8)	89	-19.43	36.34	53.5	Pass
T8	180 - 160	Diagonal	2L 3.5 x 3.5 x 1/4 (3/8)	98	-21.01	32.99	63.7	Pass
T9	160 - 140	Diagonal	2L 4 x 4 x 1/4 (3/8)	107	-26.16	43.33	60.4	Pass
T10	140 - 120	Diagonal	2L 4 x 4 x 3/8 (1/2)	116	-30.24	61.34	49.3	Pass
T11	120 - 100	Diagonal	2L 4 x 4 x 3/8 (1/2)	125	-31.74	56.28	56.4	Pass
T12	100 - 80	Diagonal	2L 5 x 5 x 5/16 (1/2)	134	-33.77	79.20	42.6	Pass
T13	80 - 60	Diagonal	2L 5 x 5 x 5/16 (1/2)	143	-35.02	72.84	48.1	Pass
T14	60 - 40	Diagonal	2L 5 x 5 x 5/16 (1/2)	152	-36.85	67.10	54.9	Pass
T15	40 - 20	Diagonal	2L 5 x 5 x 5/16 (1/2)	161	-37.37	61.90	60.4	Pass
T16	20 - 0	Diagonal	2L 5 x 5 x 5/16 (1/2)	170	-39.97	57.22	69.9	Pass
T1	280 - 270	Secondary Horizontal	L 2.5 x 2.5 x 5/16	14	-1.32	14.26	9.3	Pass
T2	270 - 260	Secondary Horizontal	L 2.5 x 2.5 x 5/16	25	-0.20	12.01	1.7	Pass
T6	210 - 200	Secondary Horizontal	L 5 x 5 x 3/8	84	-1.77	55.35	3.2	Pass
T1	280 - 270	Top Girt	L 3.5 x 3.5 x 5/16	6	-0.52	18.25	2.8	Pass
T4	240 - 220	Top Girt	L 5 x 5 x 3/8	47	-1.56	34.33	4.5	Pass
T4	240 - 220	Mid Girt	L 5 x 5 x 3/8	50	-2.16	30.08	7.2	Pass
							Summary	
						Leg (T9)	74.0	Pass
						Diagonal (T16)	69.9	Pass
						Secondary Horizontal (T1)	9.3	Pass
						Top Girt (T4)	4.5	Pass
						Mid Girt (T4)	7.2	Pass
						Bolt Checks	67.5	Pass
						RATING =	**74.0**	**Pass**

APPENDIX B

BASE LEVEL DRAWING

Feed Line Plan

Round Flat App In Face App Out Face Truss-Leg



Paul J. Ford & Company
250 East Broad Street, Suite 600
Columbus, OH 43215
Phone: 614.221.6679
FAX:

Job:	***280-ft Self Support Tower Haddam, CT***		
Project:	***00024-0021 Higganum South CT***		
Client:	Tower Engineering Professionals	Drawn by: tdehnke	App'd:
Code:	TIA-222-H	Date: 02/22/24	Scale: NTS
Path:			Dwg No. E-7

APPENDIX C

ADDITIONAL CALCULATIONS

PAUL J. FORD & COMPANY
250 E Broad St, Ste 600 • Columbus, OH 43215
Phone 614.221.6679 www.pauljford.com

By TJD Date 2/22/2024
Project # 00024-0021.001.8700

Self-Support Tower Anchor Rod Capacity - TIA-H

Loads

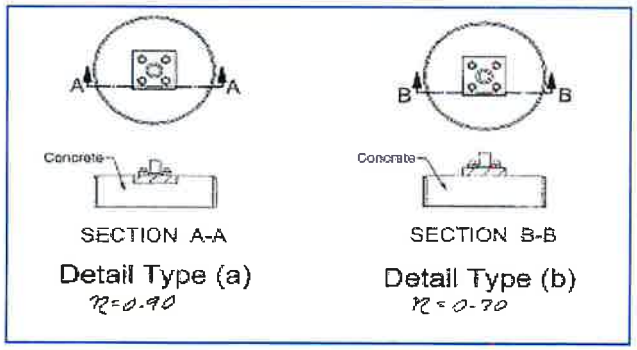
Compression :	712	kips	Tension :	573	kips
Comp. Shear :	94	kips	Ten.Shear :	81	kips

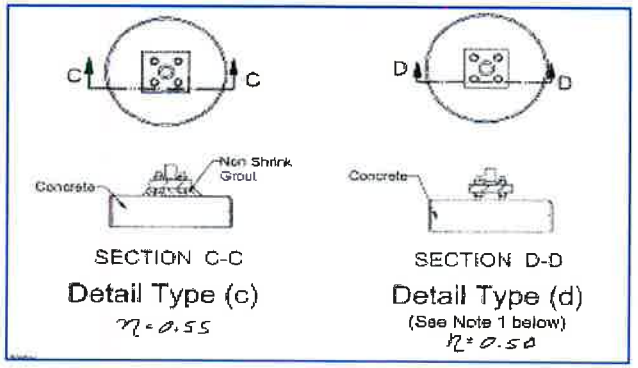
Code: TIA-H
Maximum Ratio: 1.00
Grout f'c ≥ 5000 psi:

Existing Anchor Rods

Anchor Rod ø :	1 1/4	in	l_{ar} :	1.25	inches
Anchor Rod Quantity :	12		Comp. M_u :	76.38	k-in
Anchor Rod Grade :	F1554 Gr. 105		ϕ_c :	0.90	
F_y :	105	ksi	ϕ_v :	0.75	
F_u :	125	ksi	ϕ_f :	0.90	
Threads per Inch	7		$\phi_v R_{nv}$:	690.29	kips
Net Tensile Area	0.97	in^2			
ϕ_t :	0.75		$\phi_f M_n$:	347.91	k-in
$\phi_t R_{nt}$:	1090.25	kip	$\phi_c R_{nc}$:	1391.63	kips
Anchor Rod Ratio :	0.534		$\phi_c R_{nvc}$:	626.23	kips

Ten. M_u : 65.81 k-in





SST Unit Base Foundation

TIA-222 Revision: H

Top & Bot. Pad Rein. Different?:	☐
Tower Centroid Offset?:	☑
Block Foundation?:	☐
Rectangular Pad?:	☐

Superstructure Analysis Reactions		
Global Moment, **M**:	22833	ft-kips
Global Axial, **P**:	159	kips
Global Shear, **V**:	156	kips
Leg Compression, P_{comp}:	712	kips
Leg Comp. Shear, V_{u_comp}:	94	kips
Leg Uplift, P_{uplift}:	573	kips
Leg Uplift. Shear, V_{u_uplift}:	81	kips
Tower Height, **H**:	280	ft
Base Face Width, **BW**:	40	ft
BP Dist. Above Fdn, bp_{dist}:	3	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	5.5	ft
Ext. Above Grade, **E**:	0.50	ft
Pier Rebar Size, **Sc**:	9	
Pier Rebar Quantity, **mc**:	26	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	8	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	6.00	ft
Pad Width, W_1:	49.50	ft
Pad Thickness, **T**:	2.50	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	11	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	91	
Pad Clear Cover, cc_{pad}:	3	in

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

Soil Properties		
Total Soil Unit Weight, γ:	125	pcf
Ultimate Gross Bearing, Qult:	12.000	ksf
Cohesion, **Cu**:		ksf
Friction Angle, φ:	34	degrees
SPT Blow Count, N_{blows}:	62	
Base Friction, μ:	0.6	
Neglected Depth, **N**:	3.5	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	7	ft

<-- Toggle between Gross and Net

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	1059.56	156.00	14.0%	Pass
Bearing Pressure (ksf)	9.00	1.96	21.8%	Pass
*Overturning (kip*ft)*	45141.88	24796.70	54.9%	Pass
*Pier Flexure (Comp.) (kip*ft)*	4328.02	376.00	8.3%	Pass
*Pier Flexure (Tension) (kip*ft)*	2097.74	324.00	14.7%	Pass
Pier Compression (kip)	13059.63	729.11	5.3%	Pass
*Pad Flexure (kip*ft)*	14549.93	1025.93	6.7%	Pass
Pad Shear - 1-way (kips)	1402.31	178.17	12.1%	Pass
Pad Shear - Comp 2-way (ksi)	0.187	0.184	93.9%	Pass
*Flexural 2-way (Comp) (kip*ft)*	5592.45	225.60	3.8%	Pass
Pad Shear - Tension 2-way (ksi)	0.190	0.094	47.0%	Pass
*Flexural 2-way (Tension) (kip*ft)*	5592.45	194.40	3.3%	Pass

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

Structural Rating*:	93.9%
Soil Rating*:	54.9%

verizon

Colliers Engineering & Design

Colliers Engineering & Design,
Architecture, Landscaping Architecture,
Surveying, CT, P.C.
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800
peter.albano@collierseng.com

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10214570
Colliers Engineering & Design Project #: 23777328

December 1, 2023

Site Information	*Site ID:*	*5000233234-VZW / Higganum South CT*
	Site Name:	*Higganum South CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*330 Pokorny Rd* *Haddam, Connecticut 06441* *Middlesex County*
	Latitude:	*41.44358333°*
	Longitude:	*-72.56636111°*
Structure Information	*Tower Type:*	*Self Support*
	Mount Type:	*12.00-Ft Sector Frame*

FUZE ID # 17226196

Analysis Results

Sector Frame: **89.4% Pass***

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

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

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

Report Prepared By: Frank Centone

12/01/2023

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: 3111657, dated November 24, 2020*
Mount Mapping Report	*Level-Up Towers, Site ID: 467746, dated February 21, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21777009A, Dated April 16, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777009A, Dated April 16, 2021*
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:	0.976
Seismic Parameters:	S_S:	0.214 g
	S_1:	0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
144.00	145.00	6	KAelus	KA-6030	Added
		3	Samsung	MT6407-77A	Retained
		6	Commscope	NHH-65C-R2B	
		3	Andrew	LNX-6515DS-A1M	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Raycap	RC3DC-3315-PF-48*	

* Equipment is flush mounted directly to the Self Support. They are not mounted on the sector mounts 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	82.7%	Pass
Mount Pipe	89.4%	Pass
Standoff Plate	50.2%	Pass
Standoff Horizontal	80.7%	Pass
Standoff Bracing	22.9%	Pass
Standoff Vertical	12.0%	Pass
Bracing Angle	15.6%	Pass
Tieback	32.7%	Pass
Mod Bracing	41.7%	Pass
Mod Horizontal	58.4%	Pass
Mount Connection	40.5%	Pass

Structure Rating – ***(Controlling Utilization of all Components)***	**89.4%**

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	33.2	14.9	43.4	25.1
0.5	46.7	21.8	61.3	36.4
1	59.1	27.7	78.0	46.6

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 1 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

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

Contractor shall verify modifications detailed in Construction Drawings by Maser Consulting Connecticut dated April 16, 2021 have been installed prior to installation of equipment. Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

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 #: 5000233234 SMART Project #: 10214570 Fuze Project ID: 17226196

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 shall verify modifications detailed in Construction Drawings by Maser Consulting Connecticut dated April 16, 2021 have been installed prior to installation of equipment. Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

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: 5000233234-VZW - Higganum South

Sector: A

Structure Type: Self Support

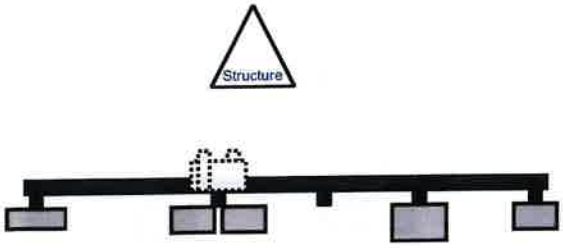
Mount Elev: 144.00

10214570

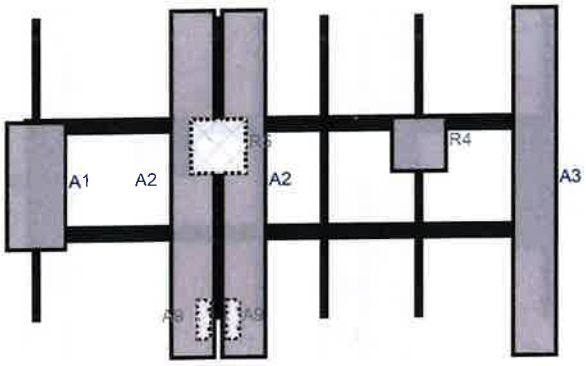
12/1/2023

Colliers Engineering & Design

Plan View

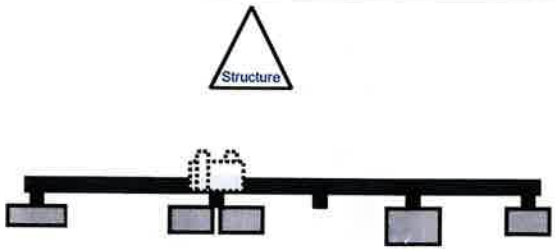


Front View - Looking at Structure

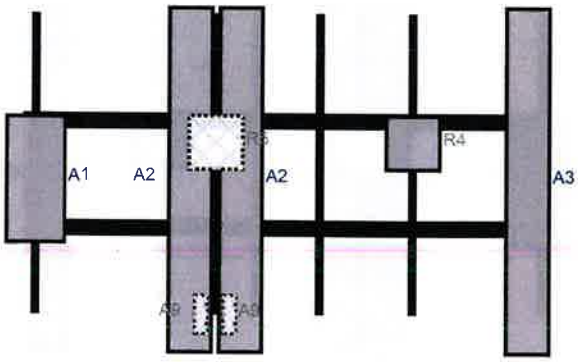


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LNX-6515DS-A1M	96.4	11.9	140.5	1	a	Front	46.5	0	Retained	02/21/2021
R4	B2/B66A RRH-BR049	15	15	108.5	2	a	Front	36	0	Retained	02/21/2021
A2	NHH-65C-R2B	96	11.9	53.5	4	a	Front	46.5	7	Retained	02/21/2021
A2	NHH-65C-R2B	96	11.9	53.5	4	b	Front	46.5	-7	Retained	02/21/2021
R5	B5/B13 RRH-BR04C	15	15	53.5	4	a	Behind	36	0	Retained	02/21/2021
A9	KA-6030	10.6	3.2	53.5	4	a	Behind	84	-4	Added	
A9	KA-6030	10.6	3.2	53.5	4	b	Behind	84	4	Added	
A1	MT6407-77A	35.1	16.1	3.5	5	a	Front	46.5	0	Retained	
M54	RC3DC-3315-PF-48	23	15.7		Member					Retained	02/21/2021

Plan View



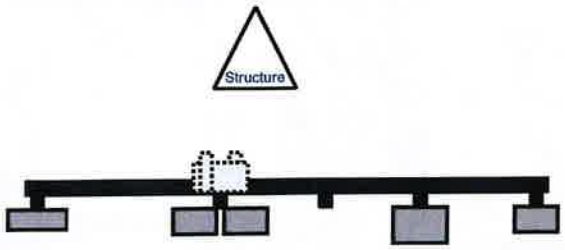
Front View - Looking at Structure



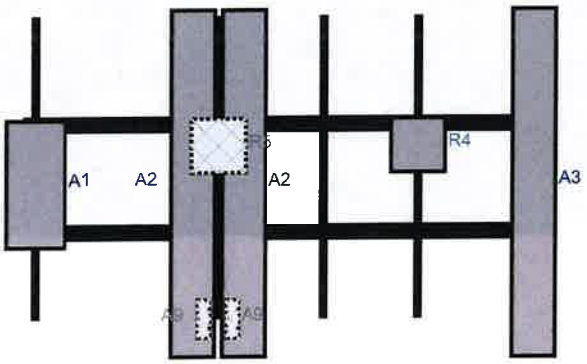
5 4 3 2 1

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	LNX-6515DS-A1M	96.4	11.9	140.5	1	a	Front	46.5	0	Retained	02/21/2021
R4	B2/B66A RRH-BR049	15	15	108.5	2	a	Front	36	0	Retained	02/21/2021
A2	NHH-65C-R2B	96	11.9	53.5	4	a	Front	46.5	7	Retained	02/21/2021
A2	NHH-65C-R2B	96	11.9	53.5	4	b	Front	46.5	-7	Retained	02/21/2021
R5	B5/B13 RRH-BR04C	15	15	53.5	4	a	Behind	36	0	Retained	02/21/2021
A9	KA-6030	10.6	3.2	53.5	4	a	Behind	84	-4	Added	
A9	KA-6030	10.6	3.2	53.5	4	b	Behind	84	4	Added	
A1	MT6407-77A	35.1	16.1	3.5	5	a	Front	46.5	0	Retained	
M54	RC3DC-3315-PF-48	23	15.7		Member					Retained	02/21/2021

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LNX-6515DS-A1M	96.4	11.9	140.5	1	a	Front	46.5	0	Retained	02/21/2021
R4	B2/B66A RRH-BR049	15	15	108.5	2	a	Front	36	0	Retained	02/21/2021
A2	NHH-65C-R2B	96	11.9	53.5	4	a	Front	46.5	7	Retained	02/21/2021
A2	NHH-65C-R2B	96	11.9	53.5	4	b	Front	46.5	-7	Retained	02/21/2021
R5	B5/B13 RRH-BR04C	15	15	53.5	4	a	Behind	36	0	Retained	02/21/2021
A9	KA-6030	10.6	3.2	53.5	4	a	Behind	84	-4	Added	
A9	KA-6030	10.6	3.2	53.5	4	b	Behind	84	4	Added	
A1	MT6407-77A	35.1	16.1	3.5	5	a	Front	46.5	0	Retained	
M54	RC3DC-3315-PF-48	23	15.7		Member					Retained	02/21/2021

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Eversource	**Mapping Date:**	2/21/2021
Site Name:	Higganum South	**Tower Type:**	Self Support
Site Number or ID:	467746	**Tower Height (Ft.):**	
Mapping Contractor:	Level-Up Towers	**Mount Elevation (Ft.):**	144

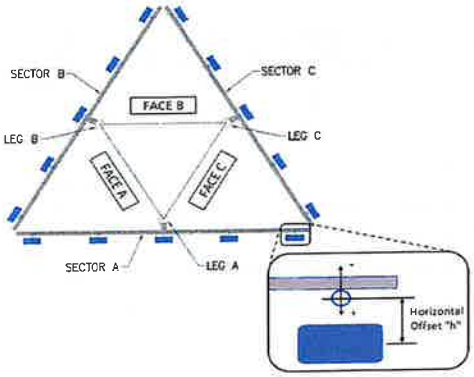
Mount Pipe Configuration and Geometries [Unit = Inches]

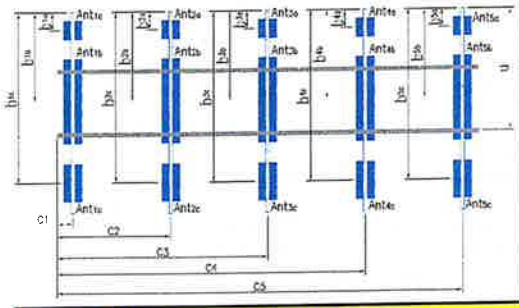
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "b"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "b"	Horizontal Offset "C1, C2, C3, etc."
A1	Pipe 2.38x0.15", 84" Long	30.00	3.50	C1	Pipe 2.38x0.15", 84" Long	30.00	3.50
A2	Pipe 2.38x0.15", 84" Long	30.00	35.50	C2	Pipe 2.38x0.15", 84" Long	30.00	35.50
A3	Pipe 2.38x0.15", 84" Long	30.00	61.50	C3	Pipe 2.38x0.15", 84" Long	30.00	61.50
A4	Pipe 2.88x0.22", 96" Long	30.00	90.50	C4	Pipe 2.88x0.22", 96" Long	30.00	90.50
A5	Pipe 2.38x0.15", 84" Long	30.00	140.50	C5	Pipe 2.38x0.15", 84" Long	30.00	140.50
A6				C6			
B1	Pipe 2.38x0.15", 84" Long	30.00	3.50	D1			
B2	Pipe 2.38x0.15", 84" Long	30.00	35.50	D2			
B3	Pipe 2.38x0.15", 84" Long	30.00	61.50	D3			
B4	Pipe 2.88x0.22", 96" Long	30.00	90.50	D4			
B5	Pipe 2.38x0.15", 84" Long	30.00	140.50	D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	1.25
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):	28	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	1.5



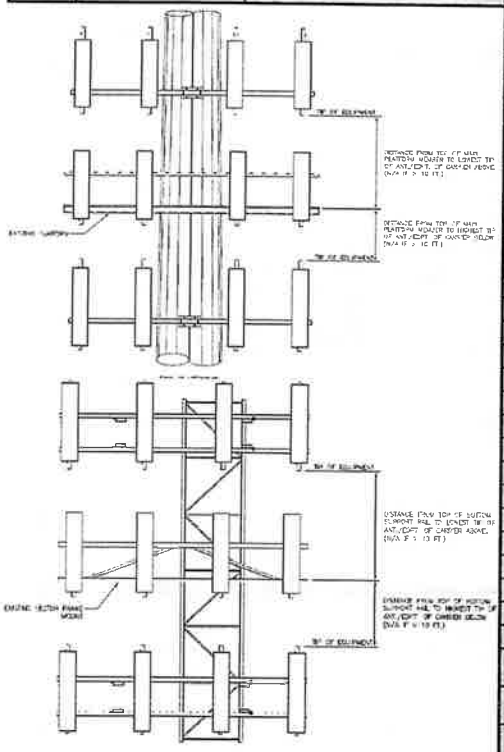


Antenna Layout (Looking Out From Tower)

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-n}." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	Commscope LNX-651	12.00	7.00	96.00		143.229	38.00	8.00	30.00	145
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	Samsung RFV01U-D1	16.00	12.00	16.00		143.146	39.00	10.00	30.00	100
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	Commscope NHH-65	12.00	7.00	96.00		143.063	40.00	11.00	30.00	103
Ant_{3b}	Commscope NHH-65	12.00	7.00	96.00		143.063	40.00	11.00	30.00	105
Ant_{3c}	Samsung RFV01U-D2	16.00	10.00	16.00		142.896	42.00	10.00	30.00	101
Ant_{4a}	Commscope HBXX-65	12.00	7.00	83.00		142.979	41.00	9.00	30.00	149
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	30.00	Deg	Leg A:		Deg
Sector B:	150.00	Deg	Leg B:		Deg
Sector C:	270.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	C-Leg	Deg
Climbing Facility	Corrosion Type:	Sector C
	Access:	Good condition.
	Condition:	Climbing path was unobstructed.



Sector B

Ant_{1a}	Commscope LNX-651	12.00	7.00	96.00		143.229	38.00	8.00	150.00	8
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	Samsung RFV01U-D1	16.00	12.00	16.00		143.146	39.00	10.00	150.00	9
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	Commscope NHH-65	12.00	7.00	96.00		143.063	40.00	11.00	150.00	158
Ant_{3b}	Commscope NHH-65	12.00	7.00	96.00		143.063	40.00	11.00	150.00	159
Ant_{3c}	Samsung RFV01U-D2	16.00	10.00	16.00		142.896	42.00	10.00	150.00	
Ant_{4a}	Commscope HBXX-65	12.00	7.00	83.00		142.979	41.00	9.00	150.00	154
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector C

Ant_{1a}	Commscope LNX-651	12.00	7.00	96.00		143.229	38.00	8.00	270.00	113
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	Samsung RFV01U-D1	16.00	12.00	16.00		143.146	39.00	10.00	270.00	115
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	Commscope NHH-65	12.00	7.00	96.00		143.063	40.00	11.00	270.00	121
Ant_{3b}	Commscope NHH-65	12.00	7.00	96.00		143.063	40.00	11.00	270.00	126
Ant_{3c}	Samsung RFV01U-D2	16.00	10.00	16.00		142.896	42.00	10.00	270.00	127
Ant_{4a}	Commscope HBXX-65	12.00	7.00	83.00		142.979	41.00	9.00	270.00	135
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector D

Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping

Issue #	Description of Issue	Photo #

1		
2		
3		
4		
5		
6		
7		
8		

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

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

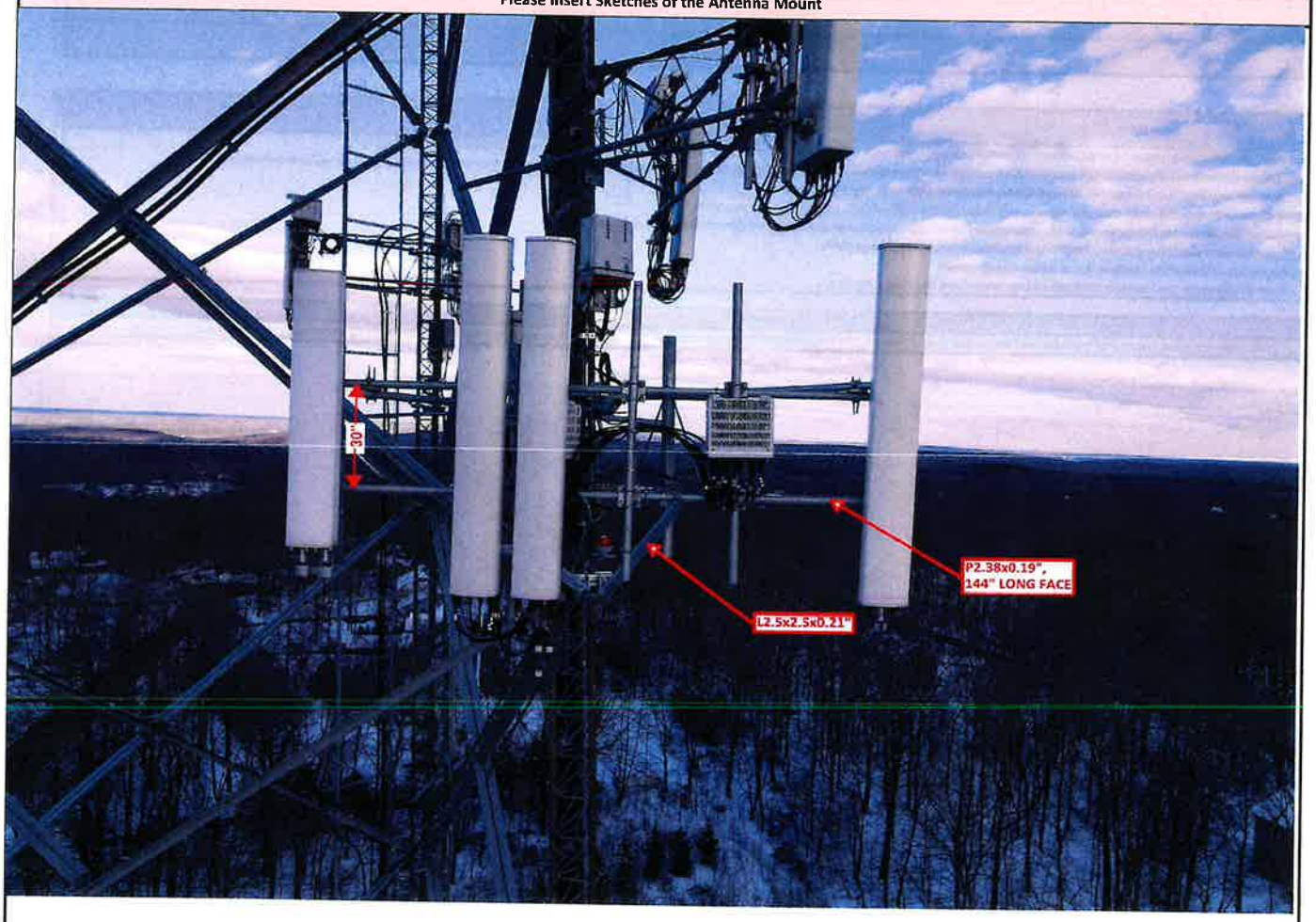
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

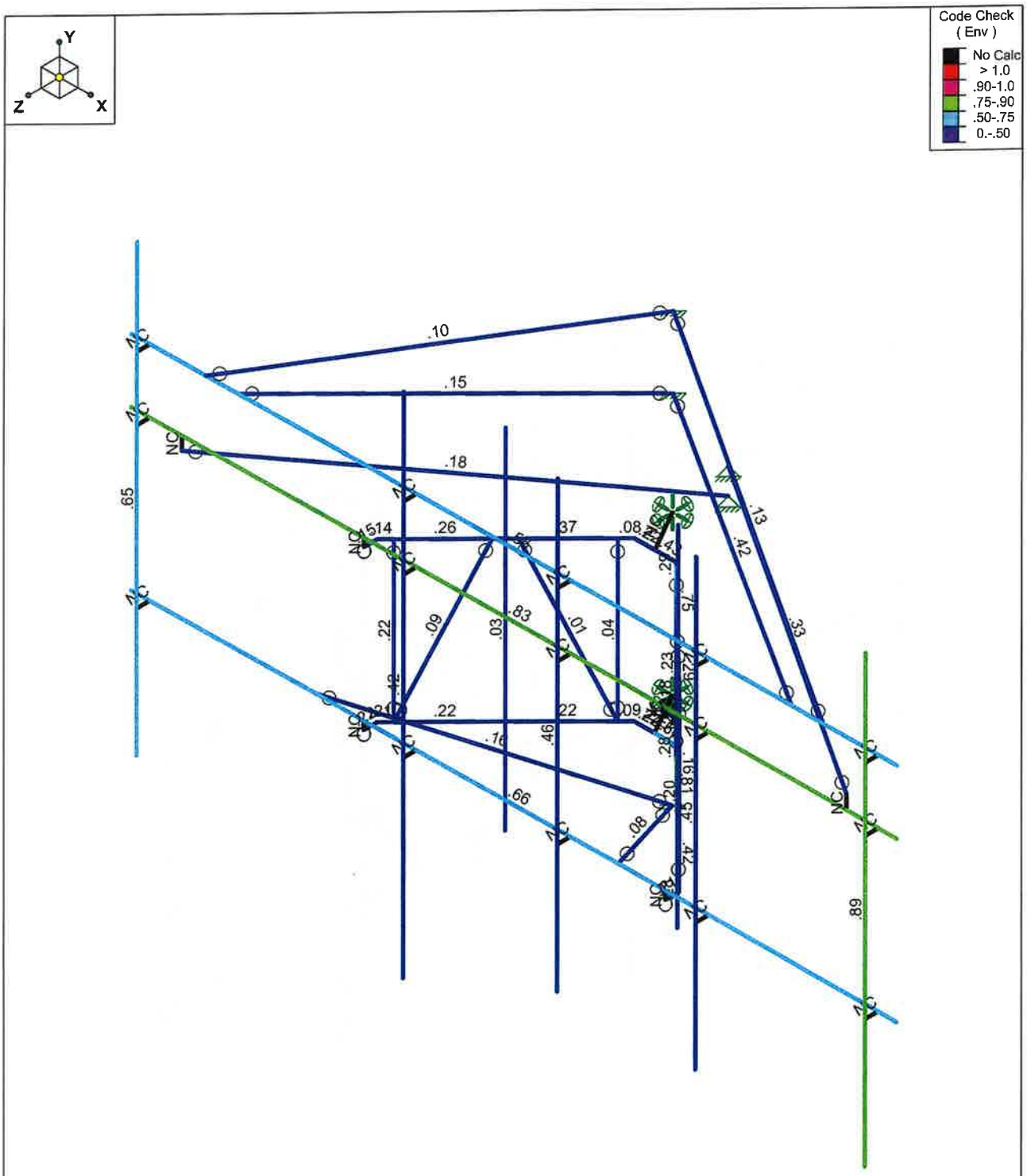
Tower Owner:	Eversource	Mapping Date:	2/21/2021
Site Name:	Higganum South	Tower Type:	Self Support
Site Number or ID:	467746	Tower Height (Ft.):	
Mapping Contractor:	Level-Up Towers	Mount Elevation (Ft.):	144

Please Insert Sketches of the Antenna Mount



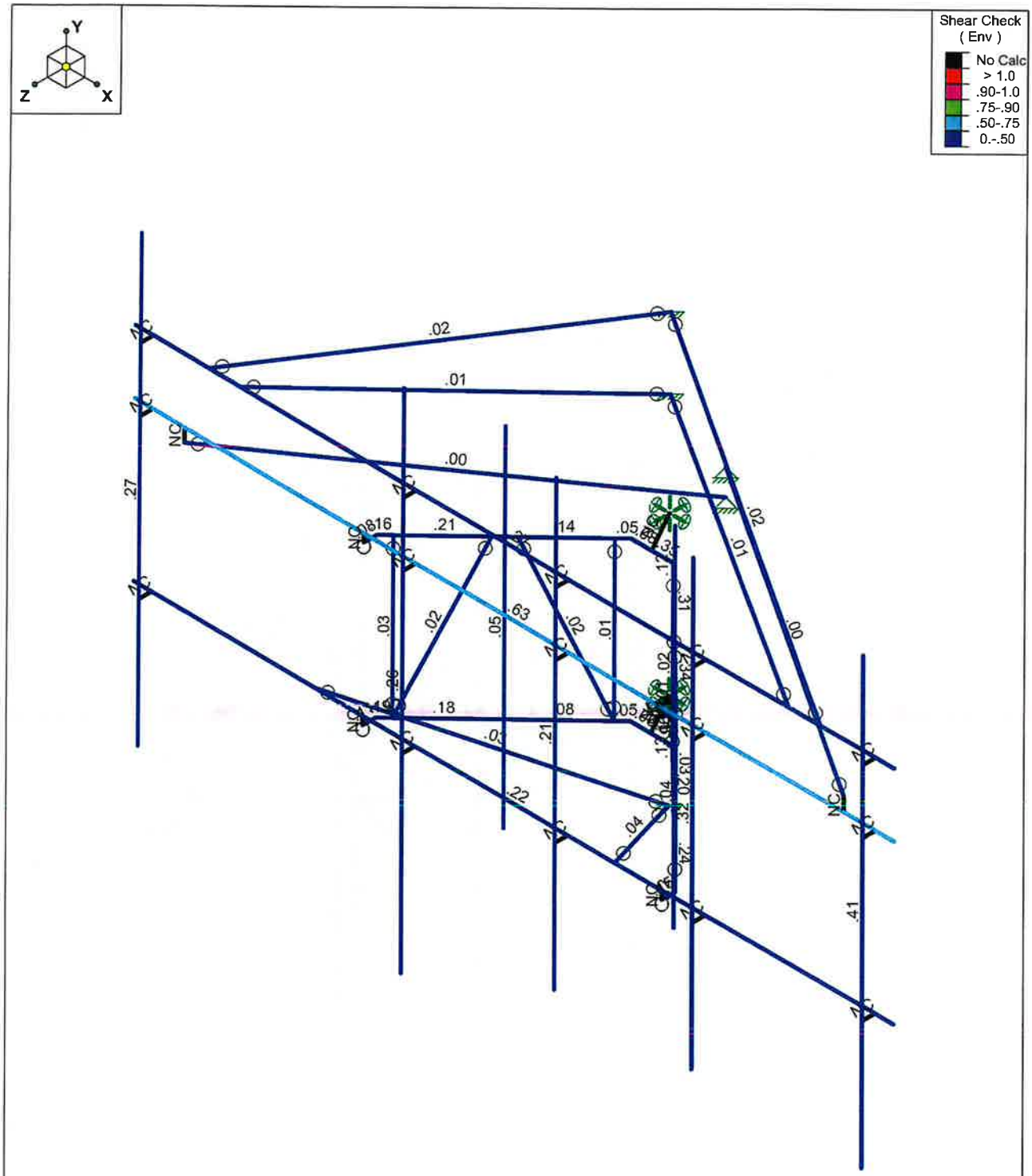
Please Insert Sketches of the Antenna Mount, cont'd

Colliers Engineering & De...	Mount Analysis	SK - 1
		Nov 27, 2023 at 3:22 PM
		5000233234-VZW_MT_LOT_A_...



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

Colliers Engineering & De...	Mount Analysis	SK - 2
		Nov 27, 2023 at 3:22 PM
		5000233234-VZW_MT_LOT_A_...



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

Colliers Engineering & De...	Mount Analysis	SK - 3
		Nov 27, 2023 at 3:22 PM
		5000233234-VZW_MT_LOT_A_...

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
1	Antenna D	None					45			
2	Antenna Di	None					45			
3	Antenna Wo (0 Deg)	None					45			
4	Antenna Wo (30 Deg)	None					45			
5	Antenna Wo (60 Deg)	None					45			
6	Antenna Wo (90 Deg)	None					45			
7	Antenna Wo (120 Deg)	None					45			
8	Antenna Wo (150 Deg)	None					45			
9	Antenna Wo (180 Deg)	None					45			
10	Antenna Wo (210 Deg)	None					45			
11	Antenna Wo (240 Deg)	None					45			
12	Antenna Wo (270 Deg)	None					45			
13	Antenna Wo (300 Deg)	None					45			
14	Antenna Wo (330 Deg)	None					45			
15	Antenna Wi (0 Deg)	None					45			
16	Antenna Wi (30 Deg)	None					45			
17	Antenna Wi (60 Deg)	None					45			
18	Antenna Wi (90 Deg)	None					45			
19	Antenna Wi (120 Deg)	None					45			
20	Antenna Wi (150 Deg)	None					45			
21	Antenna Wi (180 Deg)	None					45			
22	Antenna Wi (210 Deg)	None					45			
23	Antenna Wi (240 Deg)	None					45			
24	Antenna Wi (270 Deg)	None					45			
25	Antenna Wi (300 Deg)	None					45			
26	Antenna Wi (330 Deg)	None					45			
27	Antenna Wm (0 Deg)	None					45			
28	Antenna Wm (30 Deg)	None					45			
29	Antenna Wm (60 Deg)	None					45			
30	Antenna Wm (90 Deg)	None					45			
31	Antenna Wm (120 Deg)	None					45			
32	Antenna Wm (150 Deg)	None					45			
33	Antenna Wm (180 Deg)	None					45			
34	Antenna Wm (210 Deg)	None					45			
35	Antenna Wm (240 Deg)	None					45			
36	Antenna Wm (270 Deg)	None					45			
37	Antenna Wm (300 Deg)	None					45			
38	Antenna Wm (330 Deg)	None					45			
39	Structure D	None		-1						
40	Structure Di	None						50		
41	Structure Wo (0 Deg)	None						100		
42	Structure Wo (30 Deg)	None						100		
43	Structure Wo (60 Deg)	None						100		
44	Structure Wo (90 Deg)	None						100		
45	Structure Wo (120 Deg)	None						100		
46	Structure Wo (150 Deg)	None						100		
47	Structure Wo (180 Deg)	None						100		
48	Structure Wo (210 Deg)	None						100		
49	Structure Wo (240 Deg)	None						100		
50	Structure Wo (270 Deg)	None						100		
51	Structure Wo (300 Deg)	None						100		
52	Structure Wo (330 Deg)	None						100		
53	Structure Wi (0 Deg)	None						100		
54	Structure Wi (30 Deg)	None						100		
55	Structure Wi (60 Deg)	None						100		
56	Structure Wi (90 Deg)	None						100		
57	Structure Wi (120 Deg)	None						100		
58	Structure Wi (150 Deg)	None						100		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
59	Structure Wi (180 Deg)	None						100		
60	Structure Wi (210 Deg)	None						100		
61	Structure Wi (240 Deg)	None						100		
62	Structure Wi (270 Deg)	None						100		
63	Structure Wi (300 Deg)	None						100		
64	Structure Wi (330 Deg)	None						100		
65	Structure Wm (0 Deg)	None						100		
66	Structure Wm (30 Deg)	None						100		
67	Structure Wm (60 Deg)	None						100		
68	Structure Wm (90 Deg)	None						100		
69	Structure Wm (120 Deg)	None						100		
70	Structure Wm (150 Deg)	None						100		
71	Structure Wm (180 Deg)	None						100		
72	Structure Wm (210 Deg)	None						100		
73	Structure Wm (240 Deg)	None						100		
74	Structure Wm (270 Deg)	None						100		
75	Structure Wm (300 Deg)	None						100		
76	Structure Wm (330 Deg)	None						100		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					45			
82	Antenna Eh (0 Deg)	None					30			
83	Antenna Eh (90 Deg)	None					30			
84	Structure Ev	ELY		-.046						
85	Structure Eh (0 Deg)	ELZ			-.114					
86	Structure Eh (90 Deg)	ELX	.114							

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 D...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 D...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 D...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 ...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 ...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 ...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 ...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 ...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 ...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 ...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 ...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
27	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N2	6	-3.489583	4.5425	0	
2	N3	-6	-3.489583	4.5425	0	
3	N5	6	-0.989583	4.5425	0	
4	N6	-6	-0.989583	4.5425	0	
5	N7	5.708333	-3.489583	4.5425	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
6	N8	5.708333	-0.989583	4.5425	0	
7	N15	5.708333	-3.489583	4.750833	0	
8	N16	5.708333	-0.989583	4.750833	0	
9	N23	5.708333	1.510417	4.750833	0	
10	N27	5.708333	-5.489583	4.750833	0	
11	N32	-.375	-1.114583	1.704648	0	
12	N34	2.364583	-0.989583	4.5425	0	
13	N36	-2.364583	-0.989583	4.5425	0	
14	N38	2.364583	-1.114583	4.5425	0	
15	N40	-2.364583	-1.114583	4.5425	0	
16	N37	2.364583	-1.114583	4.334167	0	
17	N38A	-2.364583	-1.114583	4.334167	0	
18	N40B	0	-1.114583	2.354167	0	
19	N41	0.333333	-1.114583	2.354167	0	
20	N42	-0.333333	-1.114583	2.354167	0	
21	N41A	-0.393007	-1.114583	2.412335	0	
22	N42A	0.393007	-1.114583	2.412335	0	
23	N43	-2.304888	-1.114583	4.275978	0	
24	N44	2.304888	-1.114583	4.275978	0	
25	N45	-1.348948	-1.114583	3.344156	0	
26	N46	1.348948	-1.114583	3.344156	0	
27	N47	-2.234727	-1.114583	4.207587	0	
28	N48	2.234727	-1.114583	4.207587	0	
29	N49	-0.462004	-1.114583	2.479591	0	
30	N50	0.462004	-1.114583	2.479591	0	
31	N51	-1.243355	-1.114583	3.241228	0	
32	N53	-1.453376	-1.114583	3.44595	0	
33	N66	-.375	-3.614583	1.704648	0	
34	N67	2.364583	-3.489583	4.5425	0	
35	N68	-2.364583	-3.489583	4.5425	0	
36	N69	2.364583	-3.614583	4.5425	0	
37	N70	-2.364583	-3.614583	4.5425	0	
38	N71	2.364583	-3.614583	4.334167	0	
39	N72	-2.364583	-3.614583	4.334167	0	
40	N73	0	-3.614583	2.354167	0	
41	N74	0.333333	-3.614583	2.354167	0	
42	N75	-0.333333	-3.614583	2.354167	0	
43	N76	-0.393007	-3.614583	2.412335	0	
44	N77	0.393007	-3.614583	2.412335	0	
45	N78	-2.304888	-3.614583	4.275978	0	
46	N79	2.304888	-3.614583	4.275978	0	
47	N80	-1.348948	-3.614583	3.344156	0	
48	N81	1.348948	-3.614583	3.344156	0	
49	N82	-2.234727	-3.614583	4.207587	0	
50	N83	2.234727	-3.614583	4.207587	0	
51	N84	-0.462004	-3.614583	2.479591	0	
52	N85	0.462004	-3.614583	2.479591	0	
53	N79A	-1.348948	0.395833	3.344156	0	
54	N80A	1.348948	0.395833	3.344156	0	
55	N81A	-1.348948	-5.104167	3.344156	0	
56	N82A	1.348948	-5.104167	3.344156	0	
57	N59	-3.114583	-3.489583	4.5425	0	
58	N60	1.614583	-3.489583	4.5425	0	
59	N61	-.375	-5.114583	1.704648	0	
60	N62	3.041667	-3.489583	4.5425	0	
61	N63	3.041667	-0.989583	4.5425	0	
62	N64	3.041667	-3.489583	4.750833	0	
63	N65	3.041667	-0.989583	4.750833	0	
64	N66A	3.041667	1.510417	4.750833	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
65	N67A	3.041667	-5.489583	4.750833	0	
66	N68A	0.875	-3.489583	4.5425	0	
67	N69A	0.875	-0.989583	4.5425	0	
68	N70A	0.875	-3.489583	4.750833	0	
69	N71A	0.875	-0.989583	4.750833	0	
70	N72A	0.875	1.510417	4.750833	0	
71	N73A	0.875	-5.489583	4.750833	0	
72	N74A	-1.541667	-3.489583	4.5425	0	
73	N75A	-1.541667	-0.989583	4.5425	0	
74	N76A	-1.541667	-3.489583	4.750833	0	
75	N77A	-1.541667	-0.989583	4.750833	0	
76	N78A	-1.541667	1.510417	4.750833	0	
77	N79B	-1.541667	-6.489583	4.750833	0	
78	N80B	-5.708333	-3.489583	4.5425	0	
79	N81B	-5.708333	-0.989583	4.5425	0	
80	N82B	-5.708333	-3.489583	4.750833	0	
81	N83A	-5.708333	-0.989583	4.750833	0	
82	N84A	-5.708333	1.510417	4.750833	0	
83	N85A	-5.708333	-5.489583	4.750833	0	
84	N86	5.208333	-0.989583	4.5425	0	
85	N87	-5.208333	-0.989583	4.5425	0	
86	N88	-5.208333	-1.197917	4.5425	0	
87	N89	5.208333	-0.78125	4.5425	0	
88	N92	-0.24477	-1.197917	0.966043	0	
89	N92A	-0.24477	-0.78125	0.966043	0	
90	N92B	1.243355	-1.114583	3.241228	0	
91	N93	1.453376	-1.114583	3.44595	0	
92	N92C	-.375	0.510417	1.704648	0	
93	N93A	-4.333333	0.010417	4.5425	0	
94	N94	4.333333	0.010417	4.5425	0	
95	N95	-.375	1.635417	1.704648	0	
96	N96	-4.833333	0.010417	4.5425	0	
97	N97	4.833333	0.010417	4.5425	0	
98	N98	6	0.010417	4.5425	0	
99	N99	-6	0.010417	4.5425	0	
100	N100	5.708333	0.010417	4.5425	0	
101	N101	5.708333	0.010417	4.750833	0	
102	N102	3.041667	0.010417	4.5425	0	
103	N103	3.041667	0.010417	4.750833	0	
104	N104	0.875	0.010417	4.5425	0	
105	N105	0.875	0.010417	4.750833	0	
106	N106	-1.541667	0.010417	4.5425	0	
107	N107	-1.541667	0.010417	4.750833	0	
108	N108	-5.708333	0.010417	4.5425	0	
109	N109	-5.708333	0.010417	4.750833	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Face Horizontal	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Tieback	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Standoff Plate	PL1/2X3.75	Beam	RECT	A36 Gr.36	Typical	1.875	.039	2.197	.143
5	Standoff Horizontal	PIPE 1.25	Beam	Pipe	A53 Gr. B	Typical	.625	.184	.184	.368
6	Standoff Vertical	PIPE 3.0	Column	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
7	Standoff Bracing	SR 0.625	Column	BAR	A36 Gr.36	Typical	.307	.007	.007	.015
8	Bracing Angle	L2.5x2.5x3	Column	Single A...	A36 Gr.36	Typical	.901	.535	.535	.011
9	Mod Bracing	L2.5x2.5x4	Column	Single A...	A36 Gr.36	Typical	1.19	.692	.692	.026

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
10	Mod Horizontal	PIPE 2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N2			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
2	M2	N6	N5			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
3	M3	N16	N8			RIGID	None	None	RIGID	Typical
4	M4	N15	N7			RIGID	None	None	RIGID	Typical
5	MP1A	N23	N27			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
6	M15	N36	N40			RIGID	None	None	RIGID	Typical
7	M16	N34	N38			RIGID	None	None	RIGID	Typical
8	M17	N40	N38A		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
9	M18	N38	N37		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
10	M21A	N40B	N42		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
11	M22A	N40B	N41		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
12	M21	N40B	N32			RIGID	None	None	RIGID	Typical
13	M22	N42	N41A		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
14	M23	N41	N42A		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
15	M24	N43	N38A		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
16	M25	N44	N37		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
17	M26	N41A	N45			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
18	M27	N42A	N46			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
19	M28	N45	N43			Standoff Horiz	Beam	Pipe	A53 Gr. B	Typical
20	M29	N46	N44			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
21	M35	N68	N70			RIGID	None	None	RIGID	Typical
22	M36	N67	N69			RIGID	None	None	RIGID	Typical
23	M37	N70	N72		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
24	M38	N69	N71		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
25	M39	N73	N75		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
26	M40	N73	N74		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
27	M41	N73	N66			RIGID	None	None	RIGID	Typical
28	M42	N75	N76		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
29	M43	N74	N77		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
30	M44	N78	N72		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
31	M45	N79	N71		90	Standoff Plate	Beam	RECT	A36 Gr.36	Typical
32	M46	N76	N80			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
33	M47	N77	N81			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
34	M48	N80	N78			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
35	M49	N81	N79			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
36	M45A	N47	N82			Standoff Braci...	Column	BAR	A36 Gr.36	Typical
37	M46A	N82	N53			Standoff Braci...	Column	BAR	A36 Gr.36	Typical
38	M47A	N51	N84			Standoff Braci...	Column	BAR	A36 Gr.36	Typical
39	M48A	N84	N49			Standoff Braci...	Column	BAR	A36 Gr.36	Typical
40	M49A	N50	N85			Standoff Braci...	Column	BAR	A36 Gr.36	Typical
41	M50	N85	N92B			Standoff Braci...	Column	BAR	A36 Gr.36	Typical
42	M51	N93	N83			Standoff Braci...	Column	BAR	A36 Gr.36	Typical
43	M52	N83	N48			Standoff Braci...	Column	BAR	A36 Gr.36	Typical
44	M53	N79A	N81A			Standoff Vertica	Column	Pipe	A53 Gr. B	Typical
45	M54	N80A	N82A			Standoff Vertica	Column	Pipe	A53 Gr. B	Typical
46	M46B	N59	N61		90	Bracing Angle	Column	Single Angle	A36 Gr.36	Typical
47	M47B	N60	N61		180	Bracing Angle	Column	Single Angle	A36 Gr.36	Typical
48	M48B	N65	N63			RIGID	None	None	RIGID	Typical
49	M49B	N64	N62			RIGID	None	None	RIGID	Typical
50	MP2A	N66A	N67A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
51	M51A	N71A	N69A			RIGID	None	None	RIGID	Typical
52	M52A	N70A	N68A			RIGID	None	None	RIGID	Typical
53	MP3A	N72A	N73A			Mount Pipe	Column	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
54	M54A	N77A	N75A			RIGID	None	None	RIGID	Typical
55	M55	N76A	N74A			RIGID	None	None	RIGID	Typical
56	MP4A	N78A	N79B			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
57	M57	N83A	N81B			RIGID	None	None	RIGID	Typical
58	M58	N82B	N80B			RIGID	None	None	RIGID	Typical
59	MP5A	N84A	N85A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
60	M60	N87	N88			RIGID	None	None	RIGID	Typical
61	M61	N89	N86			RIGID	None	None	RIGID	Typical
62	M62	N88	N92			Tieback	Beam	Pipe	A53 Gr. B	Typical
63	M63	N89	N92A			Tieback	Beam	Pipe	A53 Gr. B	Typical
64	M64	N93A	N92C			Mod Bracing	Column	Single Angle	A36 Gr.36	Typical
65	M65	N94	N92C		270	Mod Bracing	Column	Single Angle	A36 Gr.36	Typical
66	M66	N96	N95			Mod Bracing	Column	Single Angle	A36 Gr.36	Typical
67	M67	N97	N95		270	Mod Bracing	Column	Single Angle	A36 Gr.36	Typical
68	M68	N99	N98			Mod Horizontal	Beam	Pipe	A53 Gr. B	Typical
69	M69	N101	N100			RIGID	None	None	RIGID	Typical
70	M70	N103	N102			RIGID	None	None	RIGID	Typical
71	M71	N105	N104			RIGID	None	None	RIGID	Typical
72	M72	N107	N106			RIGID	None	None	RIGID	Typical
73	M73	N109	N108			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat..	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes	Default			None
3	M3						Yes	** NA **			None
4	M4						Yes	** NA **			None
5	MP1A						Yes	** NA **			None
6	M15	OOOXXO					Yes	** NA **			None
7	M16	OOOXXO					Yes	** NA **			None
8	M17						Yes	Default			None
9	M18						Yes				None
10	M21A						Yes				None
11	M22A						Yes				None
12	M21						Yes	** NA **			None
13	M22						Yes				None
14	M23						Yes				None
15	M24						Yes				None
16	M25						Yes				None
17	M26						Yes				None
18	M27						Yes				None
19	M28						Yes				None
20	M29						Yes				None
21	M35	OOOXXO					Yes	** NA **			None
22	M36	OOOXXO					Yes	** NA **			None
23	M37						Yes	Default			None
24	M38						Yes	Default			None
25	M39						Yes				None
26	M40						Yes				None
27	M41						Yes	** NA **			None
28	M42						Yes				None
29	M43						Yes				None
30	M44						Yes				None
31	M45						Yes				None
32	M46						Yes				None
33	M47						Yes				None
34	M48						Yes				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...
35	M49						Yes				None
36	M45A	BenPIN	BenPIN				Yes	** NA **			None
37	M46A	BenPIN	BenPIN			Euler Buc..	Yes	** NA **			None
38	M47A	BenPIN	BenPIN			Euler Buc..	Yes	** NA **			None
39	M48A	BenPIN	BenPIN				Yes	** NA **			None
40	M49A	BenPIN	BenPIN				Yes	** NA **			None
41	M50	BenPIN	BenPIN			Euler Buc..	Yes	** NA **			None
42	M51	BenPIN	BenPIN			Euler Buc..	Yes	** NA **			None
43	M52	BenPIN	BenPIN				Yes	** NA **			None
44	M53						Yes	** NA **			None
45	M54						Yes	** NA **			None
46	M46B	BenPIN	BenPIN				Yes	** NA **			None
47	M47B	BenPIN	BenPIN				Yes	** NA **			None
48	M48B						Yes	** NA **			None
49	M49B						Yes	** NA **			None
50	MP2A						Yes	** NA **			None
51	M51A						Yes	** NA **			None
52	M52A						Yes	** NA **			None
53	MP3A						Yes	** NA **			None
54	M54A						Yes	** NA **			None
55	M55						Yes	** NA **			None
56	MP4A						Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	MP5A						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62	BenPIN					Yes	Default			None
63	M63	BenPIN					Yes	Default			None
64	M64	BenPIN	BenPIN				Yes	** NA **			None
65	M65	BenPIN	BenPIN				Yes	** NA **			None
66	M66	BenPIN	BenPIN				Yes	** NA **			None
67	M67	BenPIN	BenPIN				Yes	** NA **			None
68	M68						Yes	Default			None
69	M69						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	Y	-43.55	3.25
2	MP5A	My	-.022	3.25
3	MP5A	Mz	0	3.25
4	MP5A	Y	-43.55	4.5
5	MP5A	My	-.022	4.5
6	MP5A	Mz	0	4.5
7	MP4A	Y	-25.8	1.25
8	MP4A	My	-.013	1.25
9	MP4A	Mz	.015	1.25
10	MP4A	Y	-25.8	6.5
11	MP4A	My	-.013	6.5
12	MP4A	Mz	.015	6.5
13	MP4A	Y	-25.8	1.25
14	MP4A	My	-.013	1.25
15	MP4A	Mz	-.015	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP4A	Y	-25.8	6.5
17	MP4A	My	-.013	6.5
18	MP4A	Mz	-.015	6.5
19	MP1A	Y	-24.9	1.25
20	MP1A	My	-.012	1.25
21	MP1A	Mz	0	1.25
22	MP1A	Y	-24.9	6.5
23	MP1A	My	-.012	6.5
24	MP1A	Mz	0	6.5
25	MP2A	Y	-84.4	3
26	MP2A	My	-.042	3
27	MP2A	Mz	0	3
28	MP4A	Y	-70.3	3
29	MP4A	My	.035	3
30	MP4A	Mz	0	3
31	M54	Y	-32	2.75
32	M54	My	0	2.75
33	M54	Mz	0	2.75
34	MP4A	Y	-8.8	6.5
35	MP4A	My	.009	6.5
36	MP4A	Mz	-.003	6.5
37	MP4A	Y	-8.8	7.5
38	MP4A	My	.009	7.5
39	MP4A	Mz	-.003	7.5
40	MP4A	Y	-8.8	6.5
41	MP4A	My	.009	6.5
42	MP4A	Mz	.003	6.5
43	MP4A	Y	-8.8	7.5
44	MP4A	My	.009	7.5
45	MP4A	Mz	.003	7.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	Y	-35.804	3.25
2	MP5A	My	-.018	3.25
3	MP5A	Mz	0	3.25
4	MP5A	Y	-35.804	4.5
5	MP5A	My	-.018	4.5
6	MP5A	Mz	0	4.5
7	MP4A	Y	-79.693	1.25
8	MP4A	My	-.04	1.25
9	MP4A	Mz	.046	1.25
10	MP4A	Y	-79.693	6.5
11	MP4A	My	-.04	6.5
12	MP4A	Mz	.046	6.5
13	MP4A	Y	-79.693	1.25
14	MP4A	My	-.04	1.25
15	MP4A	Mz	-.046	1.25
16	MP4A	Y	-79.693	6.5
17	MP4A	My	-.04	6.5
18	MP4A	Mz	-.046	6.5
19	MP1A	Y	-80.006	1.25
20	MP1A	My	-.04	1.25
21	MP1A	Mz	0	1.25
22	MP1A	Y	-80.006	6.5
23	MP1A	My	-.04	6.5
24	MP1A	Mz	0	6.5
25	MP2A	Y	-45.108	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2A	My	-.023	3
27	MP2A	Mz	0	3
28	MP4A	Y	-40.568	3
29	MP4A	My	.02	3
30	MP4A	Mz	0	3
31	M54	Y	-63.966	2.75
32	M54	My	0	2.75
33	M54	Mz	0	2.75
34	MP4A	Y	3.3	6.5
35	MP4A	My	-.003	6.5
36	MP4A	Mz	.001	6.5
37	MP4A	Y	3.3	7.5
38	MP4A	My	-.003	7.5
39	MP4A	Mz	.001	7.5
40	MP4A	Y	3.3	6.5
41	MP4A	My	-.003	6.5
42	MP4A	Mz	-.001	6.5
43	MP4A	Y	3.3	7.5
44	MP4A	My	-.003	7.5
45	MP4A	Mz	-.001	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	3.25
2	MP5A	Z	-86.238	3.25
3	MP5A	Mx	0	3.25
4	MP5A	X	0	4.5
5	MP5A	Z	-86.238	4.5
6	MP5A	Mx	0	4.5
7	MP4A	X	0	1.25
8	MP4A	Z	-140.366	1.25
9	MP4A	Mx	-.082	1.25
10	MP4A	X	0	6.5
11	MP4A	Z	-140.366	6.5
12	MP4A	Mx	-.082	6.5
13	MP4A	X	0	1.25
14	MP4A	Z	-140.366	1.25
15	MP4A	Mx	.082	1.25
16	MP4A	X	0	6.5
17	MP4A	Z	-140.366	6.5
18	MP4A	Mx	.082	6.5
19	MP1A	X	0	1.25
20	MP1A	Z	-210.457	1.25
21	MP1A	Mx	0	1.25
22	MP1A	X	0	6.5
23	MP1A	Z	-210.457	6.5
24	MP1A	Mx	0	6.5
25	MP2A	X	0	3
26	MP2A	Z	-56.768	3
27	MP2A	Mx	0	3
28	MP4A	X	0	3
29	MP4A	Z	-56.768	3
30	MP4A	Mx	0	3
31	M54	X	0	2.75
32	M54	Z	-109.141	2.75
33	M54	Mx	0	2.75
34	MP4A	X	0	6.5
35	MP4A	Z	-17.58	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP4A	Mx	.006	6.5
37	MP4A	X	0	7.5
38	MP4A	Z	-17.58	7.5
39	MP4A	Mx	.006	7.5
40	MP4A	X	0	6.5
41	MP4A	Z	-17.58	6.5
42	MP4A	Mx	-.006	6.5
43	MP4A	X	0	7.5
44	MP4A	Z	-17.58	7.5
45	MP4A	Mx	-.006	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	36.559	3.25
2	MP5A	Z	-63.323	3.25
3	MP5A	Mx	-.018	3.25
4	MP5A	X	36.559	4.5
5	MP5A	Z	-63.323	4.5
6	MP5A	Mx	-.018	4.5
7	MP4A	X	60.298	1.25
8	MP4A	Z	-104.439	1.25
9	MP4A	Mx	-.091	1.25
10	MP4A	X	60.298	6.5
11	MP4A	Z	-104.439	6.5
12	MP4A	Mx	-.091	6.5
13	MP4A	X	60.298	1.25
14	MP4A	Z	-104.439	1.25
15	MP4A	Mx	.031	1.25
16	MP4A	X	60.298	6.5
17	MP4A	Z	-104.439	6.5
18	MP4A	Mx	.031	6.5
19	MP1A	X	96.573	1.25
20	MP1A	Z	-167.27	1.25
21	MP1A	Mx	-.048	1.25
22	MP1A	X	96.573	6.5
23	MP1A	Z	-167.27	6.5
24	MP1A	Mx	-.048	6.5
25	MP2A	X	26.049	3
26	MP2A	Z	-45.118	3
27	MP2A	Mx	-.013	3
28	MP4A	X	25.179	3
29	MP4A	Z	-43.612	3
30	MP4A	Mx	.013	3
31	M54	X	47.612	2.75
32	M54	Z	-82.466	2.75
33	M54	Mx	0	2.75
34	MP4A	X	8.796	6.5
35	MP4A	Z	-15.236	6.5
36	MP4A	Mx	.014	6.5
37	MP4A	X	8.796	7.5
38	MP4A	Z	-15.236	7.5
39	MP4A	Mx	.014	7.5
40	MP4A	X	8.796	6.5
41	MP4A	Z	-15.236	6.5
42	MP4A	Mx	.004	6.5
43	MP4A	X	8.796	7.5
44	MP4A	Z	-15.236	7.5
45	MP4A	Mx	.004	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	40.6	3.25
2	MP5A	Z	-23.44	3.25
3	MP5A	Mx	-.02	3.25
4	MP5A	X	40.6	4.5
5	MP5A	Z	-23.44	4.5
6	MP5A	Mx	-.02	4.5
7	MP4A	X	70.195	1.25
8	MP4A	Z	-40.527	1.25
9	MP4A	Mx	-.059	1.25
10	MP4A	X	70.195	6.5
11	MP4A	Z	-40.527	6.5
12	MP4A	Mx	-.059	6.5
13	MP4A	X	70.195	1.25
14	MP4A	Z	-40.527	1.25
15	MP4A	Mx	-.011	1.25
16	MP4A	X	70.195	6.5
17	MP4A	Z	-40.527	6.5
18	MP4A	Mx	-.011	6.5
19	MP1A	X	137.288	1.25
20	MP1A	Z	-79.263	1.25
21	MP1A	Mx	-.069	1.25
22	MP1A	X	137.288	6.5
23	MP1A	Z	-79.263	6.5
24	MP1A	Mx	-.069	6.5
25	MP2A	X	37.03	3
26	MP2A	Z	-21.38	3
27	MP2A	Mx	-.019	3
28	MP4A	X	32.511	3
29	MP4A	Z	-18.77	3
30	MP4A	Mx	.016	3
31	M54	X	76.44	2.75
32	M54	Z	-44.132	2.75
33	M54	Mx	0	2.75
34	MP4A	X	15.258	6.5
35	MP4A	Z	-8.809	6.5
36	MP4A	Mx	.018	6.5
37	MP4A	X	15.258	7.5
38	MP4A	Z	-8.809	7.5
39	MP4A	Mx	.018	7.5
40	MP4A	X	15.258	6.5
41	MP4A	Z	-8.809	6.5
42	MP4A	Mx	.012	6.5
43	MP4A	X	15.258	7.5
44	MP4A	Z	-8.809	7.5
45	MP4A	Mx	.012	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	33.762	3.25
2	MP5A	Z	0	3.25
3	MP5A	Mx	-.017	3.25
4	MP5A	X	33.762	4.5
5	MP5A	Z	0	4.5
6	MP5A	Mx	-.017	4.5
7	MP4A	X	61.284	1.25
8	MP4A	Z	0	1.25
9	MP4A	Mx	-.031	1.25
10	MP4A	X	61.284	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP4A	Z	0	6.5
12	MP4A	Mx	-.031	6.5
13	MP4A	X	61.284	1.25
14	MP4A	Z	0	1.25
15	MP4A	Mx	-.031	1.25
16	MP4A	X	61.284	6.5
17	MP4A	Z	0	6.5
18	MP4A	Mx	-.031	6.5
19	MP1A	X	141.217	1.25
20	MP1A	Z	0	1.25
21	MP1A	Mx	-.071	1.25
22	MP1A	X	141.217	6.5
23	MP1A	Z	0	6.5
24	MP1A	Mx	-.071	6.5
25	MP2A	X	38.089	3
26	MP2A	Z	0	3
27	MP2A	Mx	-.019	3
28	MP4A	X	31.131	3
29	MP4A	Z	0	3
30	MP4A	Mx	.016	3
31	M54	X	95.224	2.75
32	M54	Z	0	2.75
33	M54	Mx	0	2.75
34	MP4A	X	17.632	6.5
35	MP4A	Z	0	6.5
36	MP4A	Mx	.018	6.5
37	MP4A	X	17.632	7.5
38	MP4A	Z	0	7.5
39	MP4A	Mx	.018	7.5
40	MP4A	X	17.632	6.5
41	MP4A	Z	0	6.5
42	MP4A	Mx	.018	6.5
43	MP4A	X	17.632	7.5
44	MP4A	Z	0	7.5
45	MP4A	Mx	.018	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	40.6	3.25
2	MP5A	Z	23.44	3.25
3	MP5A	Mx	-.02	3.25
4	MP5A	X	40.6	4.5
5	MP5A	Z	23.44	4.5
6	MP5A	Mx	-.02	4.5
7	MP4A	X	70.195	1.25
8	MP4A	Z	40.527	1.25
9	MP4A	Mx	-.011	1.25
10	MP4A	X	70.195	6.5
11	MP4A	Z	40.527	6.5
12	MP4A	Mx	-.011	6.5
13	MP4A	X	70.195	1.25
14	MP4A	Z	40.527	1.25
15	MP4A	Mx	-.059	1.25
16	MP4A	X	70.195	6.5
17	MP4A	Z	40.527	6.5
18	MP4A	Mx	-.059	6.5
19	MP1A	X	137.288	1.25
20	MP1A	Z	79.263	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	-.069	1.25
22	MP1A	X	137.288	6.5
23	MP1A	Z	79.263	6.5
24	MP1A	Mx	-.069	6.5
25	MP2A	X	37.03	3
26	MP2A	Z	21.38	3
27	MP2A	Mx	-.019	3
28	MP4A	X	32.511	3
29	MP4A	Z	18.77	3
30	MP4A	Mx	.016	3
31	M54	X	94.519	2.75
32	M54	Z	54.57	2.75
33	M54	Mx	0	2.75
34	MP4A	X	15.258	6.5
35	MP4A	Z	8.809	6.5
36	MP4A	Mx	.012	6.5
37	MP4A	X	15.258	7.5
38	MP4A	Z	8.809	7.5
39	MP4A	Mx	.012	7.5
40	MP4A	X	15.258	6.5
41	MP4A	Z	8.809	6.5
42	MP4A	Mx	.018	6.5
43	MP4A	X	15.258	7.5
44	MP4A	Z	8.809	7.5
45	MP4A	Mx	.018	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	36.559	3.25
2	MP5A	Z	63.323	3.25
3	MP5A	Mx	-.018	3.25
4	MP5A	X	36.559	4.5
5	MP5A	Z	63.323	4.5
6	MP5A	Mx	-.018	4.5
7	MP4A	X	60.298	1.25
8	MP4A	Z	104.439	1.25
9	MP4A	Mx	.031	1.25
10	MP4A	X	60.298	6.5
11	MP4A	Z	104.439	6.5
12	MP4A	Mx	.031	6.5
13	MP4A	X	60.298	1.25
14	MP4A	Z	104.439	1.25
15	MP4A	Mx	-.091	1.25
16	MP4A	X	60.298	6.5
17	MP4A	Z	104.439	6.5
18	MP4A	Mx	-.091	6.5
19	MP1A	X	96.573	1.25
20	MP1A	Z	167.27	1.25
21	MP1A	Mx	-.048	1.25
22	MP1A	X	96.573	6.5
23	MP1A	Z	167.27	6.5
24	MP1A	Mx	-.048	6.5
25	MP2A	X	26.049	3
26	MP2A	Z	45.118	3
27	MP2A	Mx	-.013	3
28	MP4A	X	25.179	3
29	MP4A	Z	43.612	3
30	MP4A	Mx	.013	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	M54	X	58.05	2.75
32	M54	Z	100.545	2.75
33	M54	Mx	0	2.75
34	MP4A	X	8.796	6.5
35	MP4A	Z	15.236	6.5
36	MP4A	Mx	.004	6.5
37	MP4A	X	8.796	7.5
38	MP4A	Z	15.236	7.5
39	MP4A	Mx	.004	7.5
40	MP4A	X	8.796	6.5
41	MP4A	Z	15.236	6.5
42	MP4A	Mx	.014	6.5
43	MP4A	X	8.796	7.5
44	MP4A	Z	15.236	7.5
45	MP4A	Mx	.014	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	3.25
2	MP5A	Z	86.238	3.25
3	MP5A	Mx	0	3.25
4	MP5A	X	0	4.5
5	MP5A	Z	86.238	4.5
6	MP5A	Mx	0	4.5
7	MP4A	X	0	1.25
8	MP4A	Z	140.366	1.25
9	MP4A	Mx	.082	1.25
10	MP4A	X	0	6.5
11	MP4A	Z	140.366	6.5
12	MP4A	Mx	.082	6.5
13	MP4A	X	0	1.25
14	MP4A	Z	140.366	1.25
15	MP4A	Mx	-.082	1.25
16	MP4A	X	0	6.5
17	MP4A	Z	140.366	6.5
18	MP4A	Mx	-.082	6.5
19	MP1A	X	0	1.25
20	MP1A	Z	210.457	1.25
21	MP1A	Mx	0	1.25
22	MP1A	X	0	6.5
23	MP1A	Z	210.457	6.5
24	MP1A	Mx	0	6.5
25	MP2A	X	0	3
26	MP2A	Z	56.768	3
27	MP2A	Mx	0	3
28	MP4A	X	0	3
29	MP4A	Z	56.768	3
30	MP4A	Mx	0	3
31	M54	X	0	2.75
32	M54	Z	109.141	2.75
33	M54	Mx	0	2.75
34	MP4A	X	0	6.5
35	MP4A	Z	17.58	6.5
36	MP4A	Mx	-.006	6.5
37	MP4A	X	0	7.5
38	MP4A	Z	17.58	7.5
39	MP4A	Mx	-.006	7.5
40	MP4A	X	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	17.58	6.5
42	MP4A	Mx	.006	6.5
43	MP4A	X	0	7.5
44	MP4A	Z	17.58	7.5
45	MP4A	Mx	.006	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-36.559	3.25
2	MP5A	Z	63.323	3.25
3	MP5A	Mx	.018	3.25
4	MP5A	X	-36.559	4.5
5	MP5A	Z	63.323	4.5
6	MP5A	Mx	.018	4.5
7	MP4A	X	-60.298	1.25
8	MP4A	Z	104.439	1.25
9	MP4A	Mx	.091	1.25
10	MP4A	X	-60.298	6.5
11	MP4A	Z	104.439	6.5
12	MP4A	Mx	.091	6.5
13	MP4A	X	-60.298	1.25
14	MP4A	Z	104.439	1.25
15	MP4A	Mx	-.031	1.25
16	MP4A	X	-60.298	6.5
17	MP4A	Z	104.439	6.5
18	MP4A	Mx	-.031	6.5
19	MP1A	X	-96.573	1.25
20	MP1A	Z	167.27	1.25
21	MP1A	Mx	.048	1.25
22	MP1A	X	-96.573	6.5
23	MP1A	Z	167.27	6.5
24	MP1A	Mx	.048	6.5
25	MP2A	X	-26.049	3
26	MP2A	Z	45.118	3
27	MP2A	Mx	.013	3
28	MP4A	X	-25.179	3
29	MP4A	Z	43.612	3
30	MP4A	Mx	-.013	3
31	M54	X	-47.612	2.75
32	M54	Z	82.466	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-8.796	6.5
35	MP4A	Z	15.236	6.5
36	MP4A	Mx	-.014	6.5
37	MP4A	X	-8.796	7.5
38	MP4A	Z	15.236	7.5
39	MP4A	Mx	-.014	7.5
40	MP4A	X	-8.796	6.5
41	MP4A	Z	15.236	6.5
42	MP4A	Mx	-.004	6.5
43	MP4A	X	-8.796	7.5
44	MP4A	Z	15.236	7.5
45	MP4A	Mx	-.004	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-40.6	3.25
2	MP5A	Z	23.44	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP5A	Mx	.02	3.25
4	MP5A	X	-40.6	4.5
5	MP5A	Z	23.44	4.5
6	MP5A	Mx	.02	4.5
7	MP4A	X	-70.195	1.25
8	MP4A	Z	40.527	1.25
9	MP4A	Mx	.059	1.25
10	MP4A	X	-70.195	6.5
11	MP4A	Z	40.527	6.5
12	MP4A	Mx	.059	6.5
13	MP4A	X	-70.195	1.25
14	MP4A	Z	40.527	1.25
15	MP4A	Mx	.011	1.25
16	MP4A	X	-70.195	6.5
17	MP4A	Z	40.527	6.5
18	MP4A	Mx	.011	6.5
19	MP1A	X	-137.288	1.25
20	MP1A	Z	79.263	1.25
21	MP1A	Mx	.069	1.25
22	MP1A	X	-137.288	6.5
23	MP1A	Z	79.263	6.5
24	MP1A	Mx	.069	6.5
25	MP2A	X	-37.03	3
26	MP2A	Z	21.38	3
27	MP2A	Mx	.019	3
28	MP4A	X	-32.511	3
29	MP4A	Z	18.77	3
30	MP4A	Mx	-.016	3
31	M54	X	-76.44	2.75
32	M54	Z	44.132	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-15.258	6.5
35	MP4A	Z	8.809	6.5
36	MP4A	Mx	-.018	6.5
37	MP4A	X	-15.258	7.5
38	MP4A	Z	8.809	7.5
39	MP4A	Mx	-.018	7.5
40	MP4A	X	-15.258	6.5
41	MP4A	Z	8.809	6.5
42	MP4A	Mx	-.012	6.5
43	MP4A	X	-15.258	7.5
44	MP4A	Z	8.809	7.5
45	MP4A	Mx	-.012	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-33.762	3.25
2	MP5A	Z	0	3.25
3	MP5A	Mx	.017	3.25
4	MP5A	X	-33.762	4.5
5	MP5A	Z	0	4.5
6	MP5A	Mx	.017	4.5
7	MP4A	X	-61.284	1.25
8	MP4A	Z	0	1.25
9	MP4A	Mx	.031	1.25
10	MP4A	X	-61.284	6.5
11	MP4A	Z	0	6.5
12	MP4A	Mx	.031	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP4A	X	-61.284	1.25
14	MP4A	Z	0	1.25
15	MP4A	Mx	.031	1.25
16	MP4A	X	-61.284	6.5
17	MP4A	Z	0	6.5
18	MP4A	Mx	.031	6.5
19	MP1A	X	-141.217	1.25
20	MP1A	Z	0	1.25
21	MP1A	Mx	.071	1.25
22	MP1A	X	-141.217	6.5
23	MP1A	Z	0	6.5
24	MP1A	Mx	.071	6.5
25	MP2A	X	-38.089	3
26	MP2A	Z	0	3
27	MP2A	Mx	.019	3
28	MP4A	X	-31.131	3
29	MP4A	Z	0	3
30	MP4A	Mx	-.016	3
31	M54	X	-95.224	2.75
32	M54	Z	0	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-17.632	6.5
35	MP4A	Z	0	6.5
36	MP4A	Mx	-.018	6.5
37	MP4A	X	-17.632	7.5
38	MP4A	Z	0	7.5
39	MP4A	Mx	-.018	7.5
40	MP4A	X	-17.632	6.5
41	MP4A	Z	0	6.5
42	MP4A	Mx	-.018	6.5
43	MP4A	X	-17.632	7.5
44	MP4A	Z	0	7.5
45	MP4A	Mx	-.018	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-40.6	3.25
2	MP5A	Z	-23.44	3.25
3	MP5A	Mx	.02	3.25
4	MP5A	X	-40.6	4.5
5	MP5A	Z	-23.44	4.5
6	MP5A	Mx	.02	4.5
7	MP4A	X	-70.195	1.25
8	MP4A	Z	-40.527	1.25
9	MP4A	Mx	.011	1.25
10	MP4A	X	-70.195	6.5
11	MP4A	Z	-40.527	6.5
12	MP4A	Mx	.011	6.5
13	MP4A	X	-70.195	1.25
14	MP4A	Z	-40.527	1.25
15	MP4A	Mx	.059	1.25
16	MP4A	X	-70.195	6.5
17	MP4A	Z	-40.527	6.5
18	MP4A	Mx	.059	6.5
19	MP1A	X	-137.288	1.25
20	MP1A	Z	-79.263	1.25
21	MP1A	Mx	.069	1.25
22	MP1A	X	-137.288	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP1A	Z	-79.263	6.5
24	MP1A	Mx	.069	6.5
25	MP2A	X	-37.03	3
26	MP2A	Z	-21.38	3
27	MP2A	Mx	.019	3
28	MP4A	X	-32.511	3
29	MP4A	Z	-18.77	3
30	MP4A	Mx	-.016	3
31	M54	X	-94.519	2.75
32	M54	Z	-54.57	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-15.258	6.5
35	MP4A	Z	-8.809	6.5
36	MP4A	Mx	-.012	6.5
37	MP4A	X	-15.258	7.5
38	MP4A	Z	-8.809	7.5
39	MP4A	Mx	-.012	7.5
40	MP4A	X	-15.258	6.5
41	MP4A	Z	-8.809	6.5
42	MP4A	Mx	-.018	6.5
43	MP4A	X	-15.258	7.5
44	MP4A	Z	-8.809	7.5
45	MP4A	Mx	-.018	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-36.559	3.25
2	MP5A	Z	-63.323	3.25
3	MP5A	Mx	.018	3.25
4	MP5A	X	-36.559	4.5
5	MP5A	Z	-63.323	4.5
6	MP5A	Mx	.018	4.5
7	MP4A	X	-60.298	1.25
8	MP4A	Z	-104.439	1.25
9	MP4A	Mx	-.031	1.25
10	MP4A	X	-60.298	6.5
11	MP4A	Z	-104.439	6.5
12	MP4A	Mx	-.031	6.5
13	MP4A	X	-60.298	1.25
14	MP4A	Z	-104.439	1.25
15	MP4A	Mx	.091	1.25
16	MP4A	X	-60.298	6.5
17	MP4A	Z	-104.439	6.5
18	MP4A	Mx	.091	6.5
19	MP1A	X	-96.573	1.25
20	MP1A	Z	-167.27	1.25
21	MP1A	Mx	.048	1.25
22	MP1A	X	-96.573	6.5
23	MP1A	Z	-167.27	6.5
24	MP1A	Mx	.048	6.5
25	MP2A	X	-26.049	3
26	MP2A	Z	-45.118	3
27	MP2A	Mx	.013	3
28	MP4A	X	-25.179	3
29	MP4A	Z	-43.612	3
30	MP4A	Mx	-.013	3
31	M54	X	-58.05	2.75
32	M54	Z	-100.545	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	M54	Mx	0	2.75
34	MP4A	X	-8.796	6.5
35	MP4A	Z	-15.236	6.5
36	MP4A	Mx	-.004	6.5
37	MP4A	X	-8.796	7.5
38	MP4A	Z	-15.236	7.5
39	MP4A	Mx	-.004	7.5
40	MP4A	X	-8.796	6.5
41	MP4A	Z	-15.236	6.5
42	MP4A	Mx	-.014	6.5
43	MP4A	X	-8.796	7.5
44	MP4A	Z	-15.236	7.5
45	MP4A	Mx	-.014	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	3.25
2	MP5A	Z	-15.596	3.25
3	MP5A	Mx	0	3.25
4	MP5A	X	0	4.5
5	MP5A	Z	-15.596	4.5
6	MP5A	Mx	0	4.5
7	MP4A	X	0	1.25
8	MP4A	Z	-36.677	1.25
9	MP4A	Mx	-.021	1.25
10	MP4A	X	0	6.5
11	MP4A	Z	-36.677	6.5
12	MP4A	Mx	-.021	6.5
13	MP4A	X	0	1.25
14	MP4A	Z	-36.677	1.25
15	MP4A	Mx	.021	1.25
16	MP4A	X	0	6.5
17	MP4A	Z	-36.677	6.5
18	MP4A	Mx	.021	6.5
19	MP1A	X	0	1.25
20	MP1A	Z	-36.86	1.25
21	MP1A	Mx	0	1.25
22	MP1A	X	0	6.5
23	MP1A	Z	-36.86	6.5
24	MP1A	Mx	0	6.5
25	MP2A	X	0	3
26	MP2A	Z	-13.121	3
27	MP2A	Mx	0	3
28	MP4A	X	0	3
29	MP4A	Z	-13.121	3
30	MP4A	Mx	0	3
31	M54	X	0	2.75
32	M54	Z	-18.736	2.75
33	M54	Mx	0	2.75
34	MP4A	X	0	6.5
35	MP4A	Z	-1.36	6.5
36	MP4A	Mx	.000453	6.5
37	MP4A	X	0	7.5
38	MP4A	Z	-1.36	7.5
39	MP4A	Mx	.000453	7.5
40	MP4A	X	0	6.5
41	MP4A	Z	-1.36	6.5
42	MP4A	Mx	-.000453	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP4A	X	0	7.5
44	MP4A	Z	-1.36	7.5
45	MP4A	Mx	-.000453	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	6.679	3.25
2	MP5A	Z	-11.569	3.25
3	MP5A	Mx	-.003	3.25
4	MP5A	X	6.679	4.5
5	MP5A	Z	-11.569	4.5
6	MP5A	Mx	-.003	4.5
7	MP4A	X	16.931	1.25
8	MP4A	Z	-29.325	1.25
9	MP4A	Mx	-.026	1.25
10	MP4A	X	16.931	6.5
11	MP4A	Z	-29.325	6.5
12	MP4A	Mx	-.026	6.5
13	MP4A	X	16.931	1.25
14	MP4A	Z	-29.325	1.25
15	MP4A	Mx	.009	1.25
16	MP4A	X	16.931	6.5
17	MP4A	Z	-29.325	6.5
18	MP4A	Mx	.009	6.5
19	MP1A	X	17.016	1.25
20	MP1A	Z	-29.472	1.25
21	MP1A	Mx	-.009	1.25
22	MP1A	X	17.016	6.5
23	MP1A	Z	-29.472	6.5
24	MP1A	Mx	-.009	6.5
25	MP2A	X	6.061	3
26	MP2A	Z	-10.499	3
27	MP2A	Mx	-.003	3
28	MP4A	X	5.872	3
29	MP4A	Z	-10.17	3
30	MP4A	Mx	.003	3
31	M54	X	7.763	2.75
32	M54	Z	-13.445	2.75
33	M54	Mx	0	2.75
34	MP4A	X	.961	6.5
35	MP4A	Z	-1.664	6.5
36	MP4A	Mx	.002	6.5
37	MP4A	X	.961	7.5
38	MP4A	Z	-1.664	7.5
39	MP4A	Mx	.002	7.5
40	MP4A	X	.961	6.5
41	MP4A	Z	-1.664	6.5
42	MP4A	Mx	.000406	6.5
43	MP4A	X	.961	7.5
44	MP4A	Z	-1.664	7.5
45	MP4A	Mx	.000406	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	7.694	3.25
2	MP5A	Z	-4.442	3.25
3	MP5A	Mx	-.004	3.25
4	MP5A	X	7.694	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP5A	Z	-4.442	4.5
6	MP5A	Mx	-.004	4.5
7	MP4A	X	24.448	1.25
8	MP4A	Z	-14.115	1.25
9	MP4A	Mx	-.02	1.25
10	MP4A	X	24.448	6.5
11	MP4A	Z	-14.115	6.5
12	MP4A	Mx	-.02	6.5
13	MP4A	X	24.448	1.25
14	MP4A	Z	-14.115	1.25
15	MP4A	Mx	-.004	1.25
16	MP4A	X	24.448	6.5
17	MP4A	Z	-14.115	6.5
18	MP4A	Mx	-.004	6.5
19	MP1A	X	24.572	1.25
20	MP1A	Z	-14.186	1.25
21	MP1A	Mx	-.012	1.25
22	MP1A	X	24.572	6.5
23	MP1A	Z	-14.186	6.5
24	MP1A	Mx	-.012	6.5
25	MP2A	X	8.77	3
26	MP2A	Z	-5.063	3
27	MP2A	Mx	-.004	3
28	MP4A	X	7.784	3
29	MP4A	Z	-4.494	3
30	MP4A	Mx	.004	3
31	M54	X	12.055	2.75
32	M54	Z	-6.96	2.75
33	M54	Mx	0	2.75
34	MP4A	X	2.637	6.5
35	MP4A	Z	-1.523	6.5
36	MP4A	Mx	.003	6.5
37	MP4A	X	2.637	7.5
38	MP4A	Z	-1.523	7.5
39	MP4A	Mx	.003	7.5
40	MP4A	X	2.637	6.5
41	MP4A	Z	-1.523	6.5
42	MP4A	Mx	.002	6.5
43	MP4A	X	2.637	7.5
44	MP4A	Z	-1.523	7.5
45	MP4A	Mx	.002	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	6.646	3.25
2	MP5A	Z	0	3.25
3	MP5A	Mx	-.003	3.25
4	MP5A	X	6.646	4.5
5	MP5A	Z	0	4.5
6	MP5A	Mx	-.003	4.5
7	MP4A	X	25.415	1.25
8	MP4A	Z	0	1.25
9	MP4A	Mx	-.013	1.25
10	MP4A	X	25.415	6.5
11	MP4A	Z	0	6.5
12	MP4A	Mx	-.013	6.5
13	MP4A	X	25.415	1.25
14	MP4A	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4A	Mx	-.013	1.25
16	MP4A	X	25.415	6.5
17	MP4A	Z	0	6.5
18	MP4A	Mx	-.013	6.5
19	MP1A	X	25.544	1.25
20	MP1A	Z	0	1.25
21	MP1A	Mx	-.013	1.25
22	MP1A	X	25.544	6.5
23	MP1A	Z	0	6.5
24	MP1A	Mx	-.013	6.5
25	MP2A	X	9.128	3
26	MP2A	Z	0	3
27	MP2A	Mx	-.005	3
28	MP4A	X	7.611	3
29	MP4A	Z	0	3
30	MP4A	Mx	.004	3
31	M54	X	15.525	2.75
32	M54	Z	0	2.75
33	M54	Mx	0	2.75
34	MP4A	X	3.607	6.5
35	MP4A	Z	0	6.5
36	MP4A	Mx	.004	6.5
37	MP4A	X	3.607	7.5
38	MP4A	Z	0	7.5
39	MP4A	Mx	.004	7.5
40	MP4A	X	3.607	6.5
41	MP4A	Z	0	6.5
42	MP4A	Mx	.004	6.5
43	MP4A	X	3.607	7.5
44	MP4A	Z	0	7.5
45	MP4A	Mx	.004	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	7.694	3.25
2	MP5A	Z	4.442	3.25
3	MP5A	Mx	-.004	3.25
4	MP5A	X	7.694	4.5
5	MP5A	Z	4.442	4.5
6	MP5A	Mx	-.004	4.5
7	MP4A	X	24.448	1.25
8	MP4A	Z	14.115	1.25
9	MP4A	Mx	-.004	1.25
10	MP4A	X	24.448	6.5
11	MP4A	Z	14.115	6.5
12	MP4A	Mx	-.004	6.5
13	MP4A	X	24.448	1.25
14	MP4A	Z	14.115	1.25
15	MP4A	Mx	-.02	1.25
16	MP4A	X	24.448	6.5
17	MP4A	Z	14.115	6.5
18	MP4A	Mx	-.02	6.5
19	MP1A	X	24.572	1.25
20	MP1A	Z	14.186	1.25
21	MP1A	Mx	-.012	1.25
22	MP1A	X	24.572	6.5
23	MP1A	Z	14.186	6.5
24	MP1A	Mx	-.012	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2A	X	8.77	3
26	MP2A	Z	5.063	3
27	MP2A	Mx	-.004	3
28	MP4A	X	7.784	3
29	MP4A	Z	4.494	3
30	MP4A	Mx	.004	3
31	M54	X	16.226	2.75
32	M54	Z	9.368	2.75
33	M54	Mx	0	2.75
34	MP4A	X	2.637	6.5
35	MP4A	Z	1.523	6.5
36	MP4A	Mx	.002	6.5
37	MP4A	X	2.637	7.5
38	MP4A	Z	1.523	7.5
39	MP4A	Mx	.002	7.5
40	MP4A	X	2.637	6.5
41	MP4A	Z	1.523	6.5
42	MP4A	Mx	.003	6.5
43	MP4A	X	2.637	7.5
44	MP4A	Z	1.523	7.5
45	MP4A	Mx	.003	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	6.679	3.25
2	MP5A	Z	11.569	3.25
3	MP5A	Mx	-.003	3.25
4	MP5A	X	6.679	4.5
5	MP5A	Z	11.569	4.5
6	MP5A	Mx	-.003	4.5
7	MP4A	X	16.931	1.25
8	MP4A	Z	29.325	1.25
9	MP4A	Mx	.009	1.25
10	MP4A	X	16.931	6.5
11	MP4A	Z	29.325	6.5
12	MP4A	Mx	.009	6.5
13	MP4A	X	16.931	1.25
14	MP4A	Z	29.325	1.25
15	MP4A	Mx	-.026	1.25
16	MP4A	X	16.931	6.5
17	MP4A	Z	29.325	6.5
18	MP4A	Mx	-.026	6.5
19	MP1A	X	17.016	1.25
20	MP1A	Z	29.472	1.25
21	MP1A	Mx	-.009	1.25
22	MP1A	X	17.016	6.5
23	MP1A	Z	29.472	6.5
24	MP1A	Mx	-.009	6.5
25	MP2A	X	6.061	3
26	MP2A	Z	10.499	3
27	MP2A	Mx	-.003	3
28	MP4A	X	5.872	3
29	MP4A	Z	10.17	3
30	MP4A	Mx	.003	3
31	M54	X	10.171	2.75
32	M54	Z	17.616	2.75
33	M54	Mx	0	2.75
34	MP4A	X	.961	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP4A	Z	1.664	6.5
36	MP4A	Mx	.000406	6.5
37	MP4A	X	.961	7.5
38	MP4A	Z	1.664	7.5
39	MP4A	Mx	.000406	7.5
40	MP4A	X	.961	6.5
41	MP4A	Z	1.664	6.5
42	MP4A	Mx	.002	6.5
43	MP4A	X	.961	7.5
44	MP4A	Z	1.664	7.5
45	MP4A	Mx	.002	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	3.25
2	MP5A	Z	15.596	3.25
3	MP5A	Mx	0	3.25
4	MP5A	X	0	4.5
5	MP5A	Z	15.596	4.5
6	MP5A	Mx	0	4.5
7	MP4A	X	0	1.25
8	MP4A	Z	36.677	1.25
9	MP4A	Mx	.021	1.25
10	MP4A	X	0	6.5
11	MP4A	Z	36.677	6.5
12	MP4A	Mx	.021	6.5
13	MP4A	X	0	1.25
14	MP4A	Z	36.677	1.25
15	MP4A	Mx	-.021	1.25
16	MP4A	X	0	6.5
17	MP4A	Z	36.677	6.5
18	MP4A	Mx	-.021	6.5
19	MP1A	X	0	1.25
20	MP1A	Z	36.86	1.25
21	MP1A	Mx	0	1.25
22	MP1A	X	0	6.5
23	MP1A	Z	36.86	6.5
24	MP1A	Mx	0	6.5
25	MP2A	X	0	3
26	MP2A	Z	13.121	3
27	MP2A	Mx	0	3
28	MP4A	X	0	3
29	MP4A	Z	13.121	3
30	MP4A	Mx	0	3
31	M54	X	0	2.75
32	M54	Z	18.736	2.75
33	M54	Mx	0	2.75
34	MP4A	X	0	6.5
35	MP4A	Z	1.36	6.5
36	MP4A	Mx	-.000453	6.5
37	MP4A	X	0	7.5
38	MP4A	Z	1.36	7.5
39	MP4A	Mx	-.000453	7.5
40	MP4A	X	0	6.5
41	MP4A	Z	1.36	6.5
42	MP4A	Mx	.000453	6.5
43	MP4A	X	0	7.5
44	MP4A	Z	1.36	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4A	Mx	.000453	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-6.679	3.25
2	MP5A	Z	11.569	3.25
3	MP5A	Mx	.003	3.25
4	MP5A	X	-6.679	4.5
5	MP5A	Z	11.569	4.5
6	MP5A	Mx	.003	4.5
7	MP4A	X	-16.931	1.25
8	MP4A	Z	29.325	1.25
9	MP4A	Mx	.026	1.25
10	MP4A	X	-16.931	6.5
11	MP4A	Z	29.325	6.5
12	MP4A	Mx	.026	6.5
13	MP4A	X	-16.931	1.25
14	MP4A	Z	29.325	1.25
15	MP4A	Mx	-.009	1.25
16	MP4A	X	-16.931	6.5
17	MP4A	Z	29.325	6.5
18	MP4A	Mx	-.009	6.5
19	MP1A	X	-17.016	1.25
20	MP1A	Z	29.472	1.25
21	MP1A	Mx	.009	1.25
22	MP1A	X	-17.016	6.5
23	MP1A	Z	29.472	6.5
24	MP1A	Mx	.009	6.5
25	MP2A	X	-6.061	3
26	MP2A	Z	10.499	3
27	MP2A	Mx	.003	3
28	MP4A	X	-5.872	3
29	MP4A	Z	10.17	3
30	MP4A	Mx	-.003	3
31	M54	X	-7.763	2.75
32	M54	Z	13.445	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-.961	6.5
35	MP4A	Z	1.664	6.5
36	MP4A	Mx	-.002	6.5
37	MP4A	X	-.961	7.5
38	MP4A	Z	1.664	7.5
39	MP4A	Mx	-.002	7.5
40	MP4A	X	-.961	6.5
41	MP4A	Z	1.664	6.5
42	MP4A	Mx	-.000406	6.5
43	MP4A	X	-.961	7.5
44	MP4A	Z	1.664	7.5
45	MP4A	Mx	-.000406	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-7.694	3.25
2	MP5A	Z	4.442	3.25
3	MP5A	Mx	.004	3.25
4	MP5A	X	-7.694	4.5
5	MP5A	Z	4.442	4.5
6	MP5A	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP4A	X	-24.448	1.25
8	MP4A	Z	14.115	1.25
9	MP4A	Mx	.02	1.25
10	MP4A	X	-24.448	6.5
11	MP4A	Z	14.115	6.5
12	MP4A	Mx	.02	6.5
13	MP4A	X	-24.448	1.25
14	MP4A	Z	14.115	1.25
15	MP4A	Mx	.004	1.25
16	MP4A	X	-24.448	6.5
17	MP4A	Z	14.115	6.5
18	MP4A	Mx	.004	6.5
19	MP1A	X	-24.572	1.25
20	MP1A	Z	14.186	1.25
21	MP1A	Mx	.012	1.25
22	MP1A	X	-24.572	6.5
23	MP1A	Z	14.186	6.5
24	MP1A	Mx	.012	6.5
25	MP2A	X	-8.77	3
26	MP2A	Z	5.063	3
27	MP2A	Mx	.004	3
28	MP4A	X	-7.784	3
29	MP4A	Z	4.494	3
30	MP4A	Mx	-.004	3
31	M54	X	-12.055	2.75
32	M54	Z	6.96	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-2.637	6.5
35	MP4A	Z	1.523	6.5
36	MP4A	Mx	-.003	6.5
37	MP4A	X	-2.637	7.5
38	MP4A	Z	1.523	7.5
39	MP4A	Mx	-.003	7.5
40	MP4A	X	-2.637	6.5
41	MP4A	Z	1.523	6.5
42	MP4A	Mx	-.002	6.5
43	MP4A	X	-2.637	7.5
44	MP4A	Z	1.523	7.5
45	MP4A	Mx	-.002	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-6.646	3.25
2	MP5A	Z	0	3.25
3	MP5A	Mx	.003	3.25
4	MP5A	X	-6.646	4.5
5	MP5A	Z	0	4.5
6	MP5A	Mx	.003	4.5
7	MP4A	X	-25.415	1.25
8	MP4A	Z	0	1.25
9	MP4A	Mx	.013	1.25
10	MP4A	X	-25.415	6.5
11	MP4A	Z	0	6.5
12	MP4A	Mx	.013	6.5
13	MP4A	X	-25.415	1.25
14	MP4A	Z	0	1.25
15	MP4A	Mx	.013	1.25
16	MP4A	X	-25.415	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP4A	Z	0	6.5
18	MP4A	Mx	.013	6.5
19	MP1A	X	-25.544	1.25
20	MP1A	Z	0	1.25
21	MP1A	Mx	.013	1.25
22	MP1A	X	-25.544	6.5
23	MP1A	Z	0	6.5
24	MP1A	Mx	.013	6.5
25	MP2A	X	-9.128	3
26	MP2A	Z	0	3
27	MP2A	Mx	.005	3
28	MP4A	X	-7.611	3
29	MP4A	Z	0	3
30	MP4A	Mx	-.004	3
31	M54	X	-15.525	2.75
32	M54	Z	0	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-3.607	6.5
35	MP4A	Z	0	6.5
36	MP4A	Mx	-.004	6.5
37	MP4A	X	-3.607	7.5
38	MP4A	Z	0	7.5
39	MP4A	Mx	-.004	7.5
40	MP4A	X	-3.607	6.5
41	MP4A	Z	0	6.5
42	MP4A	Mx	-.004	6.5
43	MP4A	X	-3.607	7.5
44	MP4A	Z	0	7.5
45	MP4A	Mx	-.004	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-7.694	3.25
2	MP5A	Z	-4.442	3.25
3	MP5A	Mx	.004	3.25
4	MP5A	X	-7.694	4.5
5	MP5A	Z	-4.442	4.5
6	MP5A	Mx	.004	4.5
7	MP4A	X	-24.448	1.25
8	MP4A	Z	-14.115	1.25
9	MP4A	Mx	.004	1.25
10	MP4A	X	-24.448	6.5
11	MP4A	Z	-14.115	6.5
12	MP4A	Mx	.004	6.5
13	MP4A	X	-24.448	1.25
14	MP4A	Z	-14.115	1.25
15	MP4A	Mx	.02	1.25
16	MP4A	X	-24.448	6.5
17	MP4A	Z	-14.115	6.5
18	MP4A	Mx	.02	6.5
19	MP1A	X	-24.572	1.25
20	MP1A	Z	-14.186	1.25
21	MP1A	Mx	.012	1.25
22	MP1A	X	-24.572	6.5
23	MP1A	Z	-14.186	6.5
24	MP1A	Mx	.012	6.5
25	MP2A	X	-8.77	3
26	MP2A	Z	-5.063	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2A	Mx	.004	3
28	MP4A	X	-7.784	3
29	MP4A	Z	-4.494	3
30	MP4A	Mx	-.004	3
31	M54	X	-16.226	2.75
32	M54	Z	-9.368	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-2.637	6.5
35	MP4A	Z	-1.523	6.5
36	MP4A	Mx	-.002	6.5
37	MP4A	X	-2.637	7.5
38	MP4A	Z	-1.523	7.5
39	MP4A	Mx	-.002	7.5
40	MP4A	X	-2.637	6.5
41	MP4A	Z	-1.523	6.5
42	MP4A	Mx	-.003	6.5
43	MP4A	X	-2.637	7.5
44	MP4A	Z	-1.523	7.5
45	MP4A	Mx	-.003	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-6.679	3.25
2	MP5A	Z	-11.569	3.25
3	MP5A	Mx	.003	3.25
4	MP5A	X	-6.679	4.5
5	MP5A	Z	-11.569	4.5
6	MP5A	Mx	.003	4.5
7	MP4A	X	-16.931	1.25
8	MP4A	Z	-29.325	1.25
9	MP4A	Mx	-.009	1.25
10	MP4A	X	-16.931	6.5
11	MP4A	Z	-29.325	6.5
12	MP4A	Mx	-.009	6.5
13	MP4A	X	-16.931	1.25
14	MP4A	Z	-29.325	1.25
15	MP4A	Mx	.026	1.25
16	MP4A	X	-16.931	6.5
17	MP4A	Z	-29.325	6.5
18	MP4A	Mx	.026	6.5
19	MP1A	X	-17.016	1.25
20	MP1A	Z	-29.472	1.25
21	MP1A	Mx	.009	1.25
22	MP1A	X	-17.016	6.5
23	MP1A	Z	-29.472	6.5
24	MP1A	Mx	.009	6.5
25	MP2A	X	-6.061	3
26	MP2A	Z	-10.499	3
27	MP2A	Mx	.003	3
28	MP4A	X	-5.872	3
29	MP4A	Z	-10.17	3
30	MP4A	Mx	-.003	3
31	M54	X	-10.171	2.75
32	M54	Z	-17.616	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-.961	6.5
35	MP4A	Z	-1.664	6.5
36	MP4A	Mx	-.000406	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A	X	-.961	7.5
38	MP4A	Z	-1.664	7.5
39	MP4A	Mx	-.000406	7.5
40	MP4A	X	-.961	6.5
41	MP4A	Z	-1.664	6.5
42	MP4A	Mx	-.002	6.5
43	MP4A	X	-.961	7.5
44	MP4A	Z	-1.664	7.5
45	MP4A	Mx	-.002	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	3.25
2	MP5A	Z	-4.967	3.25
3	MP5A	Mx	0	3.25
4	MP5A	X	0	4.5
5	MP5A	Z	-4.967	4.5
6	MP5A	Mx	0	4.5
7	MP4A	X	0	1.25
8	MP4A	Z	-8.085	1.25
9	MP4A	Mx	-.005	1.25
10	MP4A	X	0	6.5
11	MP4A	Z	-8.085	6.5
12	MP4A	Mx	-.005	6.5
13	MP4A	X	0	1.25
14	MP4A	Z	-8.085	1.25
15	MP4A	Mx	.005	1.25
16	MP4A	X	0	6.5
17	MP4A	Z	-8.085	6.5
18	MP4A	Mx	.005	6.5
19	MP1A	X	0	1.25
20	MP1A	Z	-12.122	1.25
21	MP1A	Mx	0	1.25
22	MP1A	X	0	6.5
23	MP1A	Z	-12.122	6.5
24	MP1A	Mx	0	6.5
25	MP2A	X	0	3
26	MP2A	Z	-3.27	3
27	MP2A	Mx	0	3
28	MP4A	X	0	3
29	MP4A	Z	-3.27	3
30	MP4A	Mx	0	3
31	M54	X	0	2.75
32	M54	Z	-6.287	2.75
33	M54	Mx	0	2.75
34	MP4A	X	0	6.5
35	MP4A	Z	-1.013	6.5
36	MP4A	Mx	.000338	6.5
37	MP4A	X	0	7.5
38	MP4A	Z	-1.013	7.5
39	MP4A	Mx	.000338	7.5
40	MP4A	X	0	6.5
41	MP4A	Z	-1.013	6.5
42	MP4A	Mx	-.000338	6.5
43	MP4A	X	0	7.5
44	MP4A	Z	-1.013	7.5
45	MP4A	Mx	-.000338	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.106	3.25
2	MP5A	Z	-3.647	3.25
3	MP5A	Mx	-.001	3.25
4	MP5A	X	2.106	4.5
5	MP5A	Z	-3.647	4.5
6	MP5A	Mx	-.001	4.5
7	MP4A	X	3.473	1.25
8	MP4A	Z	-6.016	1.25
9	MP4A	Mx	-.005	1.25
10	MP4A	X	3.473	6.5
11	MP4A	Z	-6.016	6.5
12	MP4A	Mx	-.005	6.5
13	MP4A	X	3.473	1.25
14	MP4A	Z	-6.016	1.25
15	MP4A	Mx	.002	1.25
16	MP4A	X	3.473	6.5
17	MP4A	Z	-6.016	6.5
18	MP4A	Mx	.002	6.5
19	MP1A	X	5.563	1.25
20	MP1A	Z	-9.635	1.25
21	MP1A	Mx	-.003	1.25
22	MP1A	X	5.563	6.5
23	MP1A	Z	-9.635	6.5
24	MP1A	Mx	-.003	6.5
25	MP2A	X	1.5	3
26	MP2A	Z	-2.599	3
27	MP2A	Mx	-.00075	3
28	MP4A	X	1.45	3
29	MP4A	Z	-2.512	3
30	MP4A	Mx	.000725	3
31	M54	X	2.742	2.75
32	M54	Z	-4.75	2.75
33	M54	Mx	0	2.75
34	MP4A	X	.507	6.5
35	MP4A	Z	-.878	6.5
36	MP4A	Mx	.0008	6.5
37	MP4A	X	.507	7.5
38	MP4A	Z	-.878	7.5
39	MP4A	Mx	.0008	7.5
40	MP4A	X	.507	6.5
41	MP4A	Z	-.878	6.5
42	MP4A	Mx	.000214	6.5
43	MP4A	X	.507	7.5
44	MP4A	Z	-.878	7.5
45	MP4A	Mx	.000214	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.339	3.25
2	MP5A	Z	-1.35	3.25
3	MP5A	Mx	-.001	3.25
4	MP5A	X	2.339	4.5
5	MP5A	Z	-1.35	4.5
6	MP5A	Mx	-.001	4.5
7	MP4A	X	4.043	1.25
8	MP4A	Z	-2.334	1.25
9	MP4A	Mx	-.003	1.25
10	MP4A	X	4.043	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP4A	Z	-2.334	6.5
12	MP4A	Mx	-.003	6.5
13	MP4A	X	4.043	1.25
14	MP4A	Z	-2.334	1.25
15	MP4A	Mx	-.00066	1.25
16	MP4A	X	4.043	6.5
17	MP4A	Z	-2.334	6.5
18	MP4A	Mx	-.00066	6.5
19	MP1A	X	7.908	1.25
20	MP1A	Z	-4.566	1.25
21	MP1A	Mx	-.004	1.25
22	MP1A	X	7.908	6.5
23	MP1A	Z	-4.566	6.5
24	MP1A	Mx	-.004	6.5
25	MP2A	X	2.133	3
26	MP2A	Z	-1.231	3
27	MP2A	Mx	-.001	3
28	MP4A	X	1.873	3
29	MP4A	Z	-1.081	3
30	MP4A	Mx	.000936	3
31	M54	X	4.403	2.75
32	M54	Z	-2.542	2.75
33	M54	Mx	0	2.75
34	MP4A	X	.879	6.5
35	MP4A	Z	-.507	6.5
36	MP4A	Mx	.001	6.5
37	MP4A	X	.879	7.5
38	MP4A	Z	-.507	7.5
39	MP4A	Mx	.001	7.5
40	MP4A	X	.879	6.5
41	MP4A	Z	-.507	6.5
42	MP4A	Mx	.00071	6.5
43	MP4A	X	.879	7.5
44	MP4A	Z	-.507	7.5
45	MP4A	Mx	.00071	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	1.945	3.25
2	MP5A	Z	0	3.25
3	MP5A	Mx	-.000972	3.25
4	MP5A	X	1.945	4.5
5	MP5A	Z	0	4.5
6	MP5A	Mx	-.000972	4.5
7	MP4A	X	3.53	1.25
8	MP4A	Z	0	1.25
9	MP4A	Mx	-.002	1.25
10	MP4A	X	3.53	6.5
11	MP4A	Z	0	6.5
12	MP4A	Mx	-.002	6.5
13	MP4A	X	3.53	1.25
14	MP4A	Z	0	1.25
15	MP4A	Mx	-.002	1.25
16	MP4A	X	3.53	6.5
17	MP4A	Z	0	6.5
18	MP4A	Mx	-.002	6.5
19	MP1A	X	8.134	1.25
20	MP1A	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	-.004	1.25
22	MP1A	X	8.134	6.5
23	MP1A	Z	0	6.5
24	MP1A	Mx	-.004	6.5
25	MP2A	X	2.194	3
26	MP2A	Z	0	3
27	MP2A	Mx	-.001	3
28	MP4A	X	1.793	3
29	MP4A	Z	0	3
30	MP4A	Mx	.000896	3
31	M54	X	5.485	2.75
32	M54	Z	0	2.75
33	M54	Mx	0	2.75
34	MP4A	X	1.016	6.5
35	MP4A	Z	0	6.5
36	MP4A	Mx	.001	6.5
37	MP4A	X	1.016	7.5
38	MP4A	Z	0	7.5
39	MP4A	Mx	.001	7.5
40	MP4A	X	1.016	6.5
41	MP4A	Z	0	6.5
42	MP4A	Mx	.001	6.5
43	MP4A	X	1.016	7.5
44	MP4A	Z	0	7.5
45	MP4A	Mx	.001	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.339	3.25
2	MP5A	Z	1.35	3.25
3	MP5A	Mx	-.001	3.25
4	MP5A	X	2.339	4.5
5	MP5A	Z	1.35	4.5
6	MP5A	Mx	-.001	4.5
7	MP4A	X	4.043	1.25
8	MP4A	Z	2.334	1.25
9	MP4A	Mx	-.00066	1.25
10	MP4A	X	4.043	6.5
11	MP4A	Z	2.334	6.5
12	MP4A	Mx	-.00066	6.5
13	MP4A	X	4.043	1.25
14	MP4A	Z	2.334	1.25
15	MP4A	Mx	-.003	1.25
16	MP4A	X	4.043	6.5
17	MP4A	Z	2.334	6.5
18	MP4A	Mx	-.003	6.5
19	MP1A	X	7.908	1.25
20	MP1A	Z	4.566	1.25
21	MP1A	Mx	-.004	1.25
22	MP1A	X	7.908	6.5
23	MP1A	Z	4.566	6.5
24	MP1A	Mx	-.004	6.5
25	MP2A	X	2.133	3
26	MP2A	Z	1.231	3
27	MP2A	Mx	-.001	3
28	MP4A	X	1.873	3
29	MP4A	Z	1.081	3
30	MP4A	Mx	.000936	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	M54	X	5.444	2.75
32	M54	Z	3.143	2.75
33	M54	Mx	0	2.75
34	MP4A	X	.879	6.5
35	MP4A	Z	.507	6.5
36	MP4A	Mx	.00071	6.5
37	MP4A	X	.879	7.5
38	MP4A	Z	.507	7.5
39	MP4A	Mx	.00071	7.5
40	MP4A	X	.879	6.5
41	MP4A	Z	.507	6.5
42	MP4A	Mx	.001	6.5
43	MP4A	X	.879	7.5
44	MP4A	Z	.507	7.5
45	MP4A	Mx	.001	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.106	3.25
2	MP5A	Z	3.647	3.25
3	MP5A	Mx	-.001	3.25
4	MP5A	X	2.106	4.5
5	MP5A	Z	3.647	4.5
6	MP5A	Mx	-.001	4.5
7	MP4A	X	3.473	1.25
8	MP4A	Z	6.016	1.25
9	MP4A	Mx	.002	1.25
10	MP4A	X	3.473	6.5
11	MP4A	Z	6.016	6.5
12	MP4A	Mx	.002	6.5
13	MP4A	X	3.473	1.25
14	MP4A	Z	6.016	1.25
15	MP4A	Mx	-.005	1.25
16	MP4A	X	3.473	6.5
17	MP4A	Z	6.016	6.5
18	MP4A	Mx	-.005	6.5
19	MP1A	X	5.563	1.25
20	MP1A	Z	9.635	1.25
21	MP1A	Mx	-.003	1.25
22	MP1A	X	5.563	6.5
23	MP1A	Z	9.635	6.5
24	MP1A	Mx	-.003	6.5
25	MP2A	X	1.5	3
26	MP2A	Z	2.599	3
27	MP2A	Mx	-.00075	3
28	MP4A	X	1.45	3
29	MP4A	Z	2.512	3
30	MP4A	Mx	.000725	3
31	M54	X	3.344	2.75
32	M54	Z	5.791	2.75
33	M54	Mx	0	2.75
34	MP4A	X	.507	6.5
35	MP4A	Z	.878	6.5
36	MP4A	Mx	.000214	6.5
37	MP4A	X	.507	7.5
38	MP4A	Z	.878	7.5
39	MP4A	Mx	.000214	7.5
40	MP4A	X	.507	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	.878	6.5
42	MP4A	Mx	.0008	6.5
43	MP4A	X	.507	7.5
44	MP4A	Z	.878	7.5
45	MP4A	Mx	.0008	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	3.25
2	MP5A	Z	4.967	3.25
3	MP5A	Mx	0	3.25
4	MP5A	X	0	4.5
5	MP5A	Z	4.967	4.5
6	MP5A	Mx	0	4.5
7	MP4A	X	0	1.25
8	MP4A	Z	8.085	1.25
9	MP4A	Mx	.005	1.25
10	MP4A	X	0	6.5
11	MP4A	Z	8.085	6.5
12	MP4A	Mx	.005	6.5
13	MP4A	X	0	1.25
14	MP4A	Z	8.085	1.25
15	MP4A	Mx	-.005	1.25
16	MP4A	X	0	6.5
17	MP4A	Z	8.085	6.5
18	MP4A	Mx	-.005	6.5
19	MP1A	X	0	1.25
20	MP1A	Z	12.122	1.25
21	MP1A	Mx	0	1.25
22	MP1A	X	0	6.5
23	MP1A	Z	12.122	6.5
24	MP1A	Mx	0	6.5
25	MP2A	X	0	3
26	MP2A	Z	3.27	3
27	MP2A	Mx	0	3
28	MP4A	X	0	3
29	MP4A	Z	3.27	3
30	MP4A	Mx	0	3
31	M54	X	0	2.75
32	M54	Z	6.287	2.75
33	M54	Mx	0	2.75
34	MP4A	X	0	6.5
35	MP4A	Z	1.013	6.5
36	MP4A	Mx	-.000338	6.5
37	MP4A	X	0	7.5
38	MP4A	Z	1.013	7.5
39	MP4A	Mx	-.000338	7.5
40	MP4A	X	0	6.5
41	MP4A	Z	1.013	6.5
42	MP4A	Mx	.000338	6.5
43	MP4A	X	0	7.5
44	MP4A	Z	1.013	7.5
45	MP4A	Mx	.000338	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-2.106	3.25
2	MP5A	Z	3.647	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP5A	Mx	.001	3.25
4	MP5A	X	-2.106	4.5
5	MP5A	Z	3.647	4.5
6	MP5A	Mx	.001	4.5
7	MP4A	X	-3.473	1.25
8	MP4A	Z	6.016	1.25
9	MP4A	Mx	.005	1.25
10	MP4A	X	-3.473	6.5
11	MP4A	Z	6.016	6.5
12	MP4A	Mx	.005	6.5
13	MP4A	X	-3.473	1.25
14	MP4A	Z	6.016	1.25
15	MP4A	Mx	-.002	1.25
16	MP4A	X	-3.473	6.5
17	MP4A	Z	6.016	6.5
18	MP4A	Mx	-.002	6.5
19	MP1A	X	-5.563	1.25
20	MP1A	Z	9.635	1.25
21	MP1A	Mx	.003	1.25
22	MP1A	X	-5.563	6.5
23	MP1A	Z	9.635	6.5
24	MP1A	Mx	.003	6.5
25	MP2A	X	-1.5	3
26	MP2A	Z	2.599	3
27	MP2A	Mx	.00075	3
28	MP4A	X	-1.45	3
29	MP4A	Z	2.512	3
30	MP4A	Mx	-.000725	3
31	M54	X	-2.742	2.75
32	M54	Z	4.75	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-.507	6.5
35	MP4A	Z	.878	6.5
36	MP4A	Mx	-.0008	6.5
37	MP4A	X	-.507	7.5
38	MP4A	Z	.878	7.5
39	MP4A	Mx	-.0008	7.5
40	MP4A	X	-.507	6.5
41	MP4A	Z	.878	6.5
42	MP4A	Mx	-.000214	6.5
43	MP4A	X	-.507	7.5
44	MP4A	Z	.878	7.5
45	MP4A	Mx	-.000214	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-2.339	3.25
2	MP5A	Z	1.35	3.25
3	MP5A	Mx	.001	3.25
4	MP5A	X	-2.339	4.5
5	MP5A	Z	1.35	4.5
6	MP5A	Mx	.001	4.5
7	MP4A	X	-4.043	1.25
8	MP4A	Z	2.334	1.25
9	MP4A	Mx	.003	1.25
10	MP4A	X	-4.043	6.5
11	MP4A	Z	2.334	6.5
12	MP4A	Mx	.003	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP4A	X	-4.043	1.25
14	MP4A	Z	2.334	1.25
15	MP4A	Mx	.00066	1.25
16	MP4A	X	-4.043	6.5
17	MP4A	Z	2.334	6.5
18	MP4A	Mx	.00066	6.5
19	MP1A	X	-7.908	1.25
20	MP1A	Z	4.566	1.25
21	MP1A	Mx	.004	1.25
22	MP1A	X	-7.908	6.5
23	MP1A	Z	4.566	6.5
24	MP1A	Mx	.004	6.5
25	MP2A	X	-2.133	3
26	MP2A	Z	1.231	3
27	MP2A	Mx	.001	3
28	MP4A	X	-1.873	3
29	MP4A	Z	1.081	3
30	MP4A	Mx	-.000936	3
31	M54	X	-4.403	2.75
32	M54	Z	2.542	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-.879	6.5
35	MP4A	Z	.507	6.5
36	MP4A	Mx	-.001	6.5
37	MP4A	X	-.879	7.5
38	MP4A	Z	.507	7.5
39	MP4A	Mx	-.001	7.5
40	MP4A	X	-.879	6.5
41	MP4A	Z	.507	6.5
42	MP4A	Mx	-.00071	6.5
43	MP4A	X	-.879	7.5
44	MP4A	Z	.507	7.5
45	MP4A	Mx	-.00071	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-1.945	3.25
2	MP5A	Z	0	3.25
3	MP5A	Mx	.000972	3.25
4	MP5A	X	-1.945	4.5
5	MP5A	Z	0	4.5
6	MP5A	Mx	.000972	4.5
7	MP4A	X	-3.53	1.25
8	MP4A	Z	0	1.25
9	MP4A	Mx	.002	1.25
10	MP4A	X	-3.53	6.5
11	MP4A	Z	0	6.5
12	MP4A	Mx	.002	6.5
13	MP4A	X	-3.53	1.25
14	MP4A	Z	0	1.25
15	MP4A	Mx	.002	1.25
16	MP4A	X	-3.53	6.5
17	MP4A	Z	0	6.5
18	MP4A	Mx	.002	6.5
19	MP1A	X	-8.134	1.25
20	MP1A	Z	0	1.25
21	MP1A	Mx	.004	1.25
22	MP1A	X	-8.134	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP1A	Z	0	6.5
24	MP1A	Mx	.004	6.5
25	MP2A	X	-2.194	3
26	MP2A	Z	0	3
27	MP2A	Mx	.001	3
28	MP4A	X	-1.793	3
29	MP4A	Z	0	3
30	MP4A	Mx	-.000896	3
31	M54	X	-5.485	2.75
32	M54	Z	0	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-1.016	6.5
35	MP4A	Z	0	6.5
36	MP4A	Mx	-.001	6.5
37	MP4A	X	-1.016	7.5
38	MP4A	Z	0	7.5
39	MP4A	Mx	-.001	7.5
40	MP4A	X	-1.016	6.5
41	MP4A	Z	0	6.5
42	MP4A	Mx	-.001	6.5
43	MP4A	X	-1.016	7.5
44	MP4A	Z	0	7.5
45	MP4A	Mx	-.001	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-2.339	3.25
2	MP5A	Z	-1.35	3.25
3	MP5A	Mx	.001	3.25
4	MP5A	X	-2.339	4.5
5	MP5A	Z	-1.35	4.5
6	MP5A	Mx	.001	4.5
7	MP4A	X	-4.043	1.25
8	MP4A	Z	-2.334	1.25
9	MP4A	Mx	.00066	1.25
10	MP4A	X	-4.043	6.5
11	MP4A	Z	-2.334	6.5
12	MP4A	Mx	.00066	6.5
13	MP4A	X	-4.043	1.25
14	MP4A	Z	-2.334	1.25
15	MP4A	Mx	.003	1.25
16	MP4A	X	-4.043	6.5
17	MP4A	Z	-2.334	6.5
18	MP4A	Mx	.003	6.5
19	MP1A	X	-7.908	1.25
20	MP1A	Z	-4.566	1.25
21	MP1A	Mx	.004	1.25
22	MP1A	X	-7.908	6.5
23	MP1A	Z	-4.566	6.5
24	MP1A	Mx	.004	6.5
25	MP2A	X	-2.133	3
26	MP2A	Z	-1.231	3
27	MP2A	Mx	.001	3
28	MP4A	X	-1.873	3
29	MP4A	Z	-1.081	3
30	MP4A	Mx	-.000936	3
31	M54	X	-5.444	2.75
32	M54	Z	-3.143	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	M54	Mx	0	2.75
34	MP4A	X	-.879	6.5
35	MP4A	Z	-.507	6.5
36	MP4A	Mx	-.00071	6.5
37	MP4A	X	-.879	7.5
38	MP4A	Z	-.507	7.5
39	MP4A	Mx	-.00071	7.5
40	MP4A	X	-.879	6.5
41	MP4A	Z	-.507	6.5
42	MP4A	Mx	-.001	6.5
43	MP4A	X	-.879	7.5
44	MP4A	Z	-.507	7.5
45	MP4A	Mx	-.001	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-2.106	3.25
2	MP5A	Z	-3.647	3.25
3	MP5A	Mx	.001	3.25
4	MP5A	X	-2.106	4.5
5	MP5A	Z	-3.647	4.5
6	MP5A	Mx	.001	4.5
7	MP4A	X	-3.473	1.25
8	MP4A	Z	-6.016	1.25
9	MP4A	Mx	-.002	1.25
10	MP4A	X	-3.473	6.5
11	MP4A	Z	-6.016	6.5
12	MP4A	Mx	-.002	6.5
13	MP4A	X	-3.473	1.25
14	MP4A	Z	-6.016	1.25
15	MP4A	Mx	.005	1.25
16	MP4A	X	-3.473	6.5
17	MP4A	Z	-6.016	6.5
18	MP4A	Mx	.005	6.5
19	MP1A	X	-5.563	1.25
20	MP1A	Z	-9.635	1.25
21	MP1A	Mx	.003	1.25
22	MP1A	X	-5.563	6.5
23	MP1A	Z	-9.635	6.5
24	MP1A	Mx	.003	6.5
25	MP2A	X	-1.5	3
26	MP2A	Z	-2.599	3
27	MP2A	Mx	.00075	3
28	MP4A	X	-1.45	3
29	MP4A	Z	-2.512	3
30	MP4A	Mx	-.000725	3
31	M54	X	-3.344	2.75
32	M54	Z	-5.791	2.75
33	M54	Mx	0	2.75
34	MP4A	X	-.507	6.5
35	MP4A	Z	-.878	6.5
36	MP4A	Mx	-.000214	6.5
37	MP4A	X	-.507	7.5
38	MP4A	Z	-.878	7.5
39	MP4A	Mx	-.000214	7.5
40	MP4A	X	-.507	6.5
41	MP4A	Z	-.878	6.5
42	MP4A	Mx	-.0008	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP4A	X	-.507	7.5
44	MP4A	Z	-.878	7.5
45	MP4A	Mx	-.0008	7.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M55	Y	-500	%100

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M58	Y	-500	%100

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	Y	-1.988	3.25
2	MP5A	My	-.000994	3.25
3	MP5A	Mz	0	3.25
4	MP5A	Y	-1.988	4.5
5	MP5A	My	-.000994	4.5
6	MP5A	Mz	0	4.5
7	MP4A	Y	-1.178	1.25
8	MP4A	My	-.000589	1.25
9	MP4A	Mz	.000687	1.25
10	MP4A	Y	-1.178	6.5
11	MP4A	My	-.000589	6.5
12	MP4A	Mz	.000687	6.5
13	MP4A	Y	-1.178	1.25
14	MP4A	My	-.000589	1.25
15	MP4A	Mz	-.000687	1.25
16	MP4A	Y	-1.178	6.5
17	MP4A	My	-.000589	6.5
18	MP4A	Mz	-.000687	6.5
19	MP1A	Y	-1.137	1.25
20	MP1A	My	-.000568	1.25
21	MP1A	Mz	0	1.25
22	MP1A	Y	-1.137	6.5
23	MP1A	My	-.000568	6.5
24	MP1A	Mz	0	6.5
25	MP2A	Y	-3.853	3
26	MP2A	My	-.002	3
27	MP2A	Mz	0	3
28	MP4A	Y	-3.209	3
29	MP4A	My	.002	3
30	MP4A	Mz	0	3
31	M54	Y	-1.461	2.75
32	M54	My	0	2.75
33	M54	Mz	0	2.75
34	MP4A	Y	-.402	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP4A	My	.000402	6.5
36	MP4A	Mz	-.000134	6.5
37	MP4A	Y	-.402	7.5
38	MP4A	My	.000402	7.5
39	MP4A	Mz	-.000134	7.5
40	MP4A	Y	-.402	6.5
41	MP4A	My	.000402	6.5
42	MP4A	Mz	.000134	6.5
43	MP4A	Y	-.402	7.5
44	MP4A	My	.000402	7.5
45	MP4A	Mz	.000134	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	Z	-4.971	3.25
2	MP5A	Mx	0	3.25
3	MP5A	Z	-4.971	4.5
4	MP5A	Mx	0	4.5
5	MP4A	Z	-2.945	1.25
6	MP4A	Mx	-.002	1.25
7	MP4A	Z	-2.945	6.5
8	MP4A	Mx	-.002	6.5
9	MP4A	Z	-2.945	1.25
10	MP4A	Mx	.002	1.25
11	MP4A	Z	-2.945	6.5
12	MP4A	Mx	.002	6.5
13	MP1A	Z	-2.842	1.25
14	MP1A	Mx	0	1.25
15	MP1A	Z	-2.842	6.5
16	MP1A	Mx	0	6.5
17	MP2A	Z	-9.633	3
18	MP2A	Mx	0	3
19	MP4A	Z	-8.024	3
20	MP4A	Mx	0	3
21	M54	Z	-3.652	2.75
22	M54	Mx	0	2.75
23	MP4A	Z	-1.004	6.5
24	MP4A	Mx	.000335	6.5
25	MP4A	Z	-1.004	7.5
26	MP4A	Mx	.000335	7.5
27	MP4A	Z	-1.004	6.5
28	MP4A	Mx	-.000335	6.5
29	MP4A	Z	-1.004	7.5
30	MP4A	Mx	-.000335	7.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	4.971	3.25
2	MP5A	Mx	-.002	3.25
3	MP5A	X	4.971	4.5
4	MP5A	Mx	-.002	4.5
5	MP4A	X	2.945	1.25
6	MP4A	Mx	-.001	1.25
7	MP4A	X	2.945	6.5
8	MP4A	Mx	-.001	6.5
9	MP4A	X	2.945	1.25
10	MP4A	Mx	-.001	1.25
11	MP4A	X	2.945	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4A	Mx	-.001	6.5
13	MP1A	X	2.842	1.25
14	MP1A	Mx	-.001	1.25
15	MP1A	X	2.842	6.5
16	MP1A	Mx	-.001	6.5
17	MP2A	X	9.633	3
18	MP2A	Mx	-.005	3
19	MP4A	X	8.024	3
20	MP4A	Mx	.004	3
21	M54	X	3.652	2.75
22	M54	Mx	0	2.75
23	MP4A	X	1.004	6.5
24	MP4A	Mx	.001	6.5
25	MP4A	X	1.004	7.5
26	MP4A	Mx	.001	7.5
27	MP4A	X	1.004	6.5
28	MP4A	Mx	.001	6.5
29	MP4A	X	1.004	7.5
30	MP4A	Mx	.001	7.5

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	Y	-5.003	-5.003	0	%100
2	M2	Y	-5.003	-5.003	0	%100
3	MP1A	Y	-5.003	-5.003	0	%100
4	M17	Y	-6.996	-6.996	0	%100
5	M18	Y	-6.996	-6.996	0	%100
6	M21A	Y	-6.996	-6.996	0	%100
7	M22A	Y	-6.996	-6.996	0	%100
8	M22	Y	-6.996	-6.996	0	%100
9	M23	Y	-6.996	-6.996	0	%100
10	M24	Y	-6.996	-6.996	0	%100
11	M25	Y	-6.996	-6.996	0	%100
12	M26	Y	-3.99	-3.99	0	%100
13	M27	Y	-3.99	-3.99	0	%100
14	M28	Y	-3.99	-3.99	0	%100
15	M29	Y	-3.99	-3.99	0	%100
16	M37	Y	-6.996	-6.996	0	%100
17	M38	Y	-6.996	-6.996	0	%100
18	M39	Y	-6.996	-6.996	0	%100
19	M40	Y	-6.996	-6.996	0	%100
20	M42	Y	-6.996	-6.996	0	%100
21	M43	Y	-6.996	-6.996	0	%100
22	M44	Y	-6.996	-6.996	0	%100
23	M45	Y	-6.996	-6.996	0	%100
24	M46	Y	-3.99	-3.99	0	%100
25	M47	Y	-3.99	-3.99	0	%100
26	M48	Y	-3.99	-3.99	0	%100
27	M49	Y	-3.99	-3.99	0	%100
28	M45A	Y	-2.525	-2.525	0	%100
29	M46A	Y	-2.525	-2.525	0	%100
30	M47A	Y	-2.525	-2.525	0	%100
31	M48A	Y	-2.525	-2.525	0	%100
32	M49A	Y	-2.525	-2.525	0	%100
33	M50	Y	-2.525	-2.525	0	%100
34	M51	Y	-2.525	-2.525	0	%100
35	M52	Y	-2.525	-2.525	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
36	M53	Y	-6.595	-6.595	0	%100
37	M54	Y	-6.595	-6.595	0	%100
38	M46B	Y	-6.646	-6.646	0	%100
39	M47B	Y	-6.646	-6.646	0	%100
40	MP2A	Y	-5.003	-5.003	0	%100
41	MP3A	Y	-5.003	-5.003	0	%100
42	MP4A	Y	-5.003	-5.003	0	%100
43	MP5A	Y	-5.003	-5.003	0	%100
44	M62	Y	-5.003	-5.003	0	%100
45	M63	Y	-5.003	-5.003	0	%100
46	M64	Y	-6.646	-6.646	0	%100
47	M65	Y	-6.646	-6.646	0	%100
48	M66	Y	-6.646	-6.646	0	%100
49	M67	Y	-6.646	-6.646	0	%100
50	M68	Y	-5.71	-5.71	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	-8.698	-8.698	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-8.698	-8.698	0	%100
5	MP1A	X	0	0	0	%100
6	MP1A	Z	-8.698	-8.698	0	%100
7	M17	X	0	0	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	0	0	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	-1.831	-1.831	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	-1.831	-1.831	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	-.982	-.982	0	%100
17	M23	X	0	0	0	%100
18	M23	Z	-.982	-.982	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	-.982	-.982	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	-.982	-.982	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	-2.231	-2.231	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	-2.231	-2.231	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	-2.231	-2.231	0	%100
29	M29	X	0	0	0	%100
30	M29	Z	-2.231	-2.231	0	%100
31	M37	X	0	0	0	%100
32	M37	Z	0	0	0	%100
33	M38	X	0	0	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	-1.831	-1.831	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	-1.831	-1.831	0	%100
39	M42	X	0	0	0	%100
40	M42	Z	-.982	-.982	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
41	M43	X	0	0	0	%100
42	M43	Z	-.982	-.982	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	-.982	-.982	0	%100
45	M45	X	0	0	0	%100
46	M45	Z	-.982	-.982	0	%100
47	M46	X	0	0	0	%100
48	M46	Z	-2.231	-2.231	0	%100
49	M47	X	0	0	0	%100
50	M47	Z	-2.231	-2.231	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-2.231	-2.231	0	%100
53	M49	X	0	0	0	%100
54	M49	Z	-2.231	-2.231	0	%100
55	M45A	X	0	0	0	%100
56	M45A	Z	-2.289	-2.289	0	%100
57	M46A	X	0	0	0	%100
58	M46A	Z	-2.111	-2.111	0	%100
59	M47A	X	0	0	0	%100
60	M47A	Z	-2.111	-2.111	0	%100
61	M48A	X	0	0	0	%100
62	M48A	Z	-2.289	-2.289	0	%100
63	M49A	X	0	0	0	%100
64	M49A	Z	-2.289	-2.289	0	%100
65	M50	X	0	0	0	%100
66	M50	Z	-2.111	-2.111	0	%100
67	M51	X	0	0	0	%100
68	M51	Z	-2.111	-2.111	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	-2.289	-2.289	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	-11.36	-11.36	0	%100
73	M54	X	0	0	0	%100
74	M54	Z	-11.36	-11.36	0	%100
75	M46B	X	0	0	0	%100
76	M46B	Z	-7.866	-7.866	0	%100
77	M47B	X	0	0	0	%100
78	M47B	Z	-6.114	-6.114	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	-8.698	-8.698	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-8.698	-8.698	0	%100
83	MP4A	X	0	0	0	%100
84	MP4A	Z	-8.698	-8.698	0	%100
85	MP5A	X	0	0	0	%100
86	MP5A	Z	-8.698	-8.698	0	%100
87	M62	X	0	0	0	%100
88	M62	Z	-5.726	-5.726	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	-6.082	-6.082	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	-9.88	-9.88	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	-11.227	-11.227	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	-11.24	-11.24	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	-12.011	-12.011	0	%100
99	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
100	M68	Z	-10.53	-10.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	3.262	3.262	0	%100
2	M1	Z	-5.65	-5.65	0	%100
3	M2	X	3.262	3.262	0	%100
4	M2	Z	-5.65	-5.65	0	%100
5	MP1A	X	4.349	4.349	0	%100
6	MP1A	Z	-7.533	-7.533	0	%100
7	M17	X	.229	.229	0	%100
8	M17	Z	-.396	-.396	0	%100
9	M18	X	.229	.229	0	%100
10	M18	Z	-.396	-.396	0	%100
11	M21A	X	.687	.687	0	%100
12	M21A	Z	-1.189	-1.189	0	%100
13	M22A	X	.687	.687	0	%100
14	M22A	Z	-1.189	-1.189	0	%100
15	M22	X	.07	.07	0	%100
16	M22	Z	-.122	-.122	0	%100
17	M23	X	.9	.9	0	%100
18	M23	Z	-1.559	-1.559	0	%100
19	M24	X	.07	.07	0	%100
20	M24	Z	-.122	-.122	0	%100
21	M25	X	.9	.9	0	%100
22	M25	Z	-1.558	-1.558	0	%100
23	M26	X	.16	.16	0	%100
24	M26	Z	-.277	-.277	0	%100
25	M27	X	2.044	2.044	0	%100
26	M27	Z	-3.54	-3.54	0	%100
27	M28	X	.16	.16	0	%100
28	M28	Z	-.277	-.277	0	%100
29	M29	X	2.044	2.044	0	%100
30	M29	Z	-3.54	-3.54	0	%100
31	M37	X	.229	.229	0	%100
32	M37	Z	-.396	-.396	0	%100
33	M38	X	.229	.229	0	%100
34	M38	Z	-.396	-.396	0	%100
35	M39	X	.687	.687	0	%100
36	M39	Z	-1.189	-1.189	0	%100
37	M40	X	.687	.687	0	%100
38	M40	Z	-1.189	-1.189	0	%100
39	M42	X	.07	.07	0	%100
40	M42	Z	-.122	-.122	0	%100
41	M43	X	.9	.9	0	%100
42	M43	Z	-1.559	-1.559	0	%100
43	M44	X	.07	.07	0	%100
44	M44	Z	-.122	-.122	0	%100
45	M45	X	.9	.9	0	%100
46	M45	Z	-1.558	-1.558	0	%100
47	M46	X	.16	.16	0	%100
48	M46	Z	-.277	-.277	0	%100
49	M47	X	2.044	2.044	0	%100
50	M47	Z	-3.54	-3.54	0	%100
51	M48	X	.16	.16	0	%100
52	M48	Z	-.277	-.277	0	%100
53	M49	X	2.044	2.044	0	%100
54	M49	Z	-3.54	-3.54	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
55	M45A	X	1.145	1.145	0	%100
56	M45A	Z	-1.982	-1.982	0	%100
57	M46A	X	.975	.975	0	%100
58	M46A	Z	-1.688	-1.688	0	%100
59	M47A	X	.975	.975	0	%100
60	M47A	Z	-1.688	-1.688	0	%100
61	M48A	X	1.145	1.145	0	%100
62	M48A	Z	-1.982	-1.982	0	%100
63	M49A	X	1.145	1.145	0	%100
64	M49A	Z	-1.982	-1.982	0	%100
65	M50	X	1.133	1.133	0	%100
66	M50	Z	-1.963	-1.963	0	%100
67	M51	X	1.133	1.133	0	%100
68	M51	Z	-1.963	-1.963	0	%100
69	M52	X	1.145	1.145	0	%100
70	M52	Z	-1.982	-1.982	0	%100
71	M53	X	5.68	5.68	0	%100
72	M53	Z	-9.838	-9.838	0	%100
73	M54	X	5.68	5.68	0	%100
74	M54	Z	-9.838	-9.838	0	%100
75	M46B	X	1.376	1.376	0	%100
76	M46B	Z	-2.384	-2.384	0	%100
77	M47B	X	5.796	5.796	0	%100
78	M47B	Z	-10.039	-10.039	0	%100
79	MP2A	X	4.349	4.349	0	%100
80	MP2A	Z	-7.533	-7.533	0	%100
81	MP3A	X	4.349	4.349	0	%100
82	MP3A	Z	-7.533	-7.533	0	%100
83	MP4A	X	4.349	4.349	0	%100
84	MP4A	Z	-7.533	-7.533	0	%100
85	MP5A	X	4.349	4.349	0	%100
86	MP5A	Z	-7.533	-7.533	0	%100
87	M62	X	.732	.732	0	%100
88	M62	Z	-1.268	-1.268	0	%100
89	M63	X	4.335	4.335	0	%100
90	M63	Z	-7.509	-7.509	0	%100
91	M64	X	1.33	1.33	0	%100
92	M64	Z	-2.304	-2.304	0	%100
93	M65	X	7.627	7.627	0	%100
94	M65	Z	-13.211	-13.211	0	%100
95	M66	X	2.148	2.148	0	%100
96	M66	Z	-3.72	-3.72	0	%100
97	M67	X	7.626	7.626	0	%100
98	M67	Z	-13.208	-13.208	0	%100
99	M68	X	3.949	3.949	0	%100
100	M68	Z	-6.839	-6.839	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
1	M1	X	1.883	1.883	0	%100
2	M1	Z	-1.087	-1.087	0	%100
3	M2	X	1.883	1.883	0	%100
4	M2	Z	-1.087	-1.087	0	%100
5	MP1A	X	7.533	7.533	0	%100
6	MP1A	Z	-4.349	-4.349	0	%100
7	M17	X	1.189	1.189	0	%100
8	M17	Z	-.687	-.687	0	%100
9	M18	X	1.189	1.189	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
10	M18	Z	-.687	-.687	0	%100
11	M21A	X	.396	.396	0	%100
12	M21A	Z	-.229	-.229	0	%100
13	M22A	X	.396	.396	0	%100
14	M22A	Z	-.229	-.229	0	%100
15	M22	X	.101	.101	0	%100
16	M22	Z	-.058	-.058	0	%100
17	M23	X	1.537	1.537	0	%100
18	M23	Z	-.888	-.888	0	%100
19	M24	X	.101	.101	0	%100
20	M24	Z	-.058	-.058	0	%100
21	M25	X	1.537	1.537	0	%100
22	M25	Z	-.888	-.888	0	%100
23	M26	X	.229	.229	0	%100
24	M26	Z	-.132	-.132	0	%100
25	M27	X	3.491	3.491	0	%100
26	M27	Z	-2.016	-2.016	0	%100
27	M28	X	.229	.229	0	%100
28	M28	Z	-.132	-.132	0	%100
29	M29	X	3.491	3.491	0	%100
30	M29	Z	-2.016	-2.016	0	%100
31	M37	X	1.189	1.189	0	%100
32	M37	Z	-.687	-.687	0	%100
33	M38	X	1.189	1.189	0	%100
34	M38	Z	-.687	-.687	0	%100
35	M39	X	.396	.396	0	%100
36	M39	Z	-.229	-.229	0	%100
37	M40	X	.396	.396	0	%100
38	M40	Z	-.229	-.229	0	%100
39	M42	X	.101	.101	0	%100
40	M42	Z	-.058	-.058	0	%100
41	M43	X	1.537	1.537	0	%100
42	M43	Z	-.888	-.888	0	%100
43	M44	X	.101	.101	0	%100
44	M44	Z	-.058	-.058	0	%100
45	M45	X	1.537	1.537	0	%100
46	M45	Z	-.888	-.888	0	%100
47	M46	X	.229	.229	0	%100
48	M46	Z	-.132	-.132	0	%100
49	M47	X	3.491	3.491	0	%100
50	M47	Z	-2.016	-2.016	0	%100
51	M48	X	.229	.229	0	%100
52	M48	Z	-.132	-.132	0	%100
53	M49	X	3.491	3.491	0	%100
54	M49	Z	-2.016	-2.016	0	%100
55	M45A	X	1.982	1.982	0	%100
56	M45A	Z	-1.145	-1.145	0	%100
57	M46A	X	1.684	1.684	0	%100
58	M46A	Z	-.973	-.973	0	%100
59	M47A	X	1.684	1.684	0	%100
60	M47A	Z	-.973	-.973	0	%100
61	M48A	X	1.982	1.982	0	%100
62	M48A	Z	-1.145	-1.145	0	%100
63	M49A	X	1.982	1.982	0	%100
64	M49A	Z	-1.145	-1.145	0	%100
65	M50	X	1.959	1.959	0	%100
66	M50	Z	-1.131	-1.131	0	%100
67	M51	X	1.959	1.959	0	%100
68	M51	Z	-1.131	-1.131	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
69	M52	X	1.982	1.982	0	%100
70	M52	Z	-1.145	-1.145	0	%100
71	M53	X	9.838	9.838	0	%100
72	M53	Z	-5.68	-5.68	0	%100
73	M54	X	9.838	9.838	0	%100
74	M54	Z	-5.68	-5.68	0	%100
75	M46B	X	2.568	2.568	0	%100
76	M46B	Z	-1.482	-1.482	0	%100
77	M47B	X	11.682	11.682	0	%100
78	M47B	Z	-6.745	-6.745	0	%100
79	MP2A	X	7.533	7.533	0	%100
80	MP2A	Z	-4.349	-4.349	0	%100
81	MP3A	X	7.533	7.533	0	%100
82	MP3A	Z	-4.349	-4.349	0	%100
83	MP4A	X	7.533	7.533	0	%100
84	MP4A	Z	-4.349	-4.349	0	%100
85	MP5A	X	7.533	7.533	0	%100
86	MP5A	Z	-4.349	-4.349	0	%100
87	M62	X	.076	.076	0	%100
88	M62	Z	-.044	-.044	0	%100
89	M63	X	6.008	6.008	0	%100
90	M63	Z	-3.469	-3.469	0	%100
91	M64	X	.257	.257	0	%100
92	M64	Z	-.149	-.149	0	%100
93	M65	X	10.15	10.15	0	%100
94	M65	Z	-5.86	-5.86	0	%100
95	M66	X	1.164	1.164	0	%100
96	M66	Z	-.672	-.672	0	%100
97	M67	X	9.876	9.876	0	%100
98	M67	Z	-5.702	-5.702	0	%100
99	M68	X	2.28	2.28	0	%100
100	M68	Z	-1.316	-1.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP1A	X	8.698	8.698	0	%100
6	MP1A	Z	0	0	0	%100
7	M17	X	1.831	1.831	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	1.831	1.831	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	0	0	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	0	0	0	%100
15	M22	X	.934	.934	0	%100
16	M22	Z	0	0	0	%100
17	M23	X	.934	.934	0	%100
18	M23	Z	0	0	0	%100
19	M24	X	.933	.933	0	%100
20	M24	Z	0	0	0	%100
21	M25	X	.933	.933	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	2.12	2.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
24	M26	Z	0	0	0	%100
25	M27	X	2.12	2.12	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	2.12	2.12	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	2.12	2.12	0	%100
30	M29	Z	0	0	0	%100
31	M37	X	1.831	1.831	0	%100
32	M37	Z	0	0	0	%100
33	M38	X	1.831	1.831	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	0	0	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M42	X	.934	.934	0	%100
40	M42	Z	0	0	0	%100
41	M43	X	.934	.934	0	%100
42	M43	Z	0	0	0	%100
43	M44	X	.933	.933	0	%100
44	M44	Z	0	0	0	%100
45	M45	X	.933	.933	0	%100
46	M45	Z	0	0	0	%100
47	M46	X	2.12	2.12	0	%100
48	M46	Z	0	0	0	%100
49	M47	X	2.12	2.12	0	%100
50	M47	Z	0	0	0	%100
51	M48	X	2.12	2.12	0	%100
52	M48	Z	0	0	0	%100
53	M49	X	2.12	2.12	0	%100
54	M49	Z	0	0	0	%100
55	M45A	X	2.289	2.289	0	%100
56	M45A	Z	0	0	0	%100
57	M46A	X	2.101	2.101	0	%100
58	M46A	Z	0	0	0	%100
59	M47A	X	2.101	2.101	0	%100
60	M47A	Z	0	0	0	%100
61	M48A	X	2.289	2.289	0	%100
62	M48A	Z	0	0	0	%100
63	M49A	X	2.289	2.289	0	%100
64	M49A	Z	0	0	0	%100
65	M50	X	2.101	2.101	0	%100
66	M50	Z	0	0	0	%100
67	M51	X	2.101	2.101	0	%100
68	M51	Z	0	0	0	%100
69	M52	X	2.289	2.289	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	11.36	11.36	0	%100
72	M53	Z	0	0	0	%100
73	M54	X	11.36	11.36	0	%100
74	M54	Z	0	0	0	%100
75	M46B	X	8.291	8.291	0	%100
76	M46B	Z	0	0	0	%100
77	M47B	X	9.908	9.908	0	%100
78	M47B	Z	0	0	0	%100
79	MP2A	X	8.698	8.698	0	%100
80	MP2A	Z	0	0	0	%100
81	MP3A	X	8.698	8.698	0	%100
82	MP3A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
83	MP4A	X	8.698	8.698	0	%100
84	MP4A	Z	0	0	0	%100
85	MP5A	X	8.698	8.698	0	%100
86	MP5A	Z	0	0	0	%100
87	M62	X	2.973	2.973	0	%100
88	M62	Z	0	0	0	%100
89	M63	X	2.616	2.616	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	5.154	5.154	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	4.158	4.158	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	5.338	5.338	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	4.315	4.315	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	1.883	1.883	0	%100
2	M1	Z	1.087	1.087	0	%100
3	M2	X	1.883	1.883	0	%100
4	M2	Z	1.087	1.087	0	%100
5	MP1A	X	7.533	7.533	0	%100
6	MP1A	Z	4.349	4.349	0	%100
7	M17	X	1.189	1.189	0	%100
8	M17	Z	.687	.687	0	%100
9	M18	X	1.189	1.189	0	%100
10	M18	Z	.687	.687	0	%100
11	M21A	X	.396	.396	0	%100
12	M21A	Z	.229	.229	0	%100
13	M22A	X	.396	.396	0	%100
14	M22A	Z	.229	.229	0	%100
15	M22	X	1.537	1.537	0	%100
16	M22	Z	.888	.888	0	%100
17	M23	X	.101	.101	0	%100
18	M23	Z	.058	.058	0	%100
19	M24	X	1.537	1.537	0	%100
20	M24	Z	.888	.888	0	%100
21	M25	X	.101	.101	0	%100
22	M25	Z	.058	.058	0	%100
23	M26	X	3.491	3.491	0	%100
24	M26	Z	2.016	2.016	0	%100
25	M27	X	.229	.229	0	%100
26	M27	Z	.132	.132	0	%100
27	M28	X	3.491	3.491	0	%100
28	M28	Z	2.016	2.016	0	%100
29	M29	X	.229	.229	0	%100
30	M29	Z	.132	.132	0	%100
31	M37	X	1.189	1.189	0	%100
32	M37	Z	.687	.687	0	%100
33	M38	X	1.189	1.189	0	%100
34	M38	Z	.687	.687	0	%100
35	M39	X	.396	.396	0	%100
36	M39	Z	.229	.229	0	%100
37	M40	X	.396	.396	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
38	M40	Z	.229	.229	0	%100
39	M42	X	1.537	1.537	0	%100
40	M42	Z	.888	.888	0	%100
41	M43	X	.101	.101	0	%100
42	M43	Z	.058	.058	0	%100
43	M44	X	1.537	1.537	0	%100
44	M44	Z	.888	.888	0	%100
45	M45	X	.101	.101	0	%100
46	M45	Z	.058	.058	0	%100
47	M46	X	3.491	3.491	0	%100
48	M46	Z	2.016	2.016	0	%100
49	M47	X	.229	.229	0	%100
50	M47	Z	.132	.132	0	%100
51	M48	X	3.491	3.491	0	%100
52	M48	Z	2.016	2.016	0	%100
53	M49	X	.229	.229	0	%100
54	M49	Z	.132	.132	0	%100
55	M45A	X	1.982	1.982	0	%100
56	M45A	Z	1.145	1.145	0	%100
57	M46A	X	1.959	1.959	0	%100
58	M46A	Z	1.131	1.131	0	%100
59	M47A	X	1.959	1.959	0	%100
60	M47A	Z	1.131	1.131	0	%100
61	M48A	X	1.982	1.982	0	%100
62	M48A	Z	1.145	1.145	0	%100
63	M49A	X	1.982	1.982	0	%100
64	M49A	Z	1.145	1.145	0	%100
65	M50	X	1.684	1.684	0	%100
66	M50	Z	.973	.973	0	%100
67	M51	X	1.684	1.684	0	%100
68	M51	Z	.973	.973	0	%100
69	M52	X	1.982	1.982	0	%100
70	M52	Z	1.145	1.145	0	%100
71	M53	X	9.838	9.838	0	%100
72	M53	Z	5.68	5.68	0	%100
73	M54	X	9.838	9.838	0	%100
74	M54	Z	5.68	5.68	0	%100
75	M46B	X	11.609	11.609	0	%100
76	M46B	Z	6.702	6.702	0	%100
77	M47B	X	3.836	3.836	0	%100
78	M47B	Z	2.215	2.215	0	%100
79	MP2A	X	7.533	7.533	0	%100
80	MP2A	Z	4.349	4.349	0	%100
81	MP3A	X	7.533	7.533	0	%100
82	MP3A	Z	4.349	4.349	0	%100
83	MP4A	X	7.533	7.533	0	%100
84	MP4A	Z	4.349	4.349	0	%100
85	MP5A	X	7.533	7.533	0	%100
86	MP5A	Z	4.349	4.349	0	%100
87	M62	X	6.265	6.265	0	%100
88	M62	Z	3.617	3.617	0	%100
89	M63	X	.024	.024	0	%100
90	M63	Z	.014	.014	0	%100
91	M64	X	10.716	10.716	0	%100
92	M64	Z	6.187	6.187	0	%100
93	M65	X	.113	.113	0	%100
94	M65	Z	.065	.065	0	%100
95	M66	X	10.638	10.638	0	%100
96	M66	Z	6.142	6.142	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
97	M67	X	.93	.93	0	%100
98	M67	Z	.537	.537	0	%100
99	M68	X	2.28	2.28	0	%100
100	M68	Z	1.316	1.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	3.262	3.262	0	%100
2	M1	Z	5.65	5.65	0	%100
3	M2	X	3.262	3.262	0	%100
4	M2	Z	5.65	5.65	0	%100
5	MP1A	X	4.349	4.349	0	%100
6	MP1A	Z	7.533	7.533	0	%100
7	M17	X	.229	.229	0	%100
8	M17	Z	.396	.396	0	%100
9	M18	X	.229	.229	0	%100
10	M18	Z	.396	.396	0	%100
11	M21A	X	.687	.687	0	%100
12	M21A	Z	1.189	1.189	0	%100
13	M22A	X	.687	.687	0	%100
14	M22A	Z	1.189	1.189	0	%100
15	M22	X	.9	.9	0	%100
16	M22	Z	1.559	1.559	0	%100
17	M23	X	.07	.07	0	%100
18	M23	Z	.122	.122	0	%100
19	M24	X	.9	.9	0	%100
20	M24	Z	1.558	1.558	0	%100
21	M25	X	.07	.07	0	%100
22	M25	Z	.122	.122	0	%100
23	M26	X	2.044	2.044	0	%100
24	M26	Z	3.54	3.54	0	%100
25	M27	X	.16	.16	0	%100
26	M27	Z	.277	.277	0	%100
27	M28	X	2.044	2.044	0	%100
28	M28	Z	3.54	3.54	0	%100
29	M29	X	.16	.16	0	%100
30	M29	Z	.277	.277	0	%100
31	M37	X	.229	.229	0	%100
32	M37	Z	.396	.396	0	%100
33	M38	X	.229	.229	0	%100
34	M38	Z	.396	.396	0	%100
35	M39	X	.687	.687	0	%100
36	M39	Z	1.189	1.189	0	%100
37	M40	X	.687	.687	0	%100
38	M40	Z	1.189	1.189	0	%100
39	M42	X	.9	.9	0	%100
40	M42	Z	1.559	1.559	0	%100
41	M43	X	.07	.07	0	%100
42	M43	Z	.122	.122	0	%100
43	M44	X	.9	.9	0	%100
44	M44	Z	1.558	1.558	0	%100
45	M45	X	.07	.07	0	%100
46	M45	Z	.122	.122	0	%100
47	M46	X	2.044	2.044	0	%100
48	M46	Z	3.54	3.54	0	%100
49	M47	X	.16	.16	0	%100
50	M47	Z	.277	.277	0	%100
51	M48	X	2.044	2.044	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
52	M48	Z	3.54	3.54	0	%100
53	M49	X	.16	.16	0	%100
54	M49	Z	.277	.277	0	%100
55	M45A	X	1.145	1.145	0	%100
56	M45A	Z	1.982	1.982	0	%100
57	M46A	X	1.133	1.133	0	%100
58	M46A	Z	1.963	1.963	0	%100
59	M47A	X	1.133	1.133	0	%100
60	M47A	Z	1.963	1.963	0	%100
61	M48A	X	1.145	1.145	0	%100
62	M48A	Z	1.982	1.982	0	%100
63	M49A	X	1.145	1.145	0	%100
64	M49A	Z	1.982	1.982	0	%100
65	M50	X	.975	.975	0	%100
66	M50	Z	1.688	1.688	0	%100
67	M51	X	.975	.975	0	%100
68	M51	Z	1.688	1.688	0	%100
69	M52	X	1.145	1.145	0	%100
70	M52	Z	1.982	1.982	0	%100
71	M53	X	5.68	5.68	0	%100
72	M53	Z	9.838	9.838	0	%100
73	M54	X	5.68	5.68	0	%100
74	M54	Z	9.838	9.838	0	%100
75	M46B	X	6.596	6.596	0	%100
76	M46B	Z	11.425	11.425	0	%100
77	M47B	X	1.266	1.266	0	%100
78	M47B	Z	2.193	2.193	0	%100
79	MP2A	X	4.349	4.349	0	%100
80	MP2A	Z	7.533	7.533	0	%100
81	MP3A	X	4.349	4.349	0	%100
82	MP3A	Z	7.533	7.533	0	%100
83	MP4A	X	4.349	4.349	0	%100
84	MP4A	Z	7.533	7.533	0	%100
85	MP5A	X	4.349	4.349	0	%100
86	MP5A	Z	7.533	7.533	0	%100
87	M62	X	4.305	4.305	0	%100
88	M62	Z	7.457	7.457	0	%100
89	M63	X	.881	.881	0	%100
90	M63	Z	1.525	1.525	0	%100
91	M64	X	7.368	7.368	0	%100
92	M64	Z	12.763	12.763	0	%100
93	M65	X	1.832	1.832	0	%100
94	M65	Z	3.174	3.174	0	%100
95	M66	X	7.617	7.617	0	%100
96	M66	Z	13.193	13.193	0	%100
97	M67	X	2.461	2.461	0	%100
98	M67	Z	4.263	4.263	0	%100
99	M68	X	3.949	3.949	0	%100
100	M68	Z	6.839	6.839	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	8.698	8.698	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	8.698	8.698	0	%100
5	MP1A	X	0	0	0	%100
6	MP1A	Z	8.698	8.698	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
7	M17	X	0	0	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	0	0	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	1.831	1.831	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	1.831	1.831	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	.982	.982	0	%100
17	M23	X	0	0	0	%100
18	M23	Z	.982	.982	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	.982	.982	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	.982	.982	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	2.231	2.231	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	2.231	2.231	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	2.231	2.231	0	%100
29	M29	X	0	0	0	%100
30	M29	Z	2.231	2.231	0	%100
31	M37	X	0	0	0	%100
32	M37	Z	0	0	0	%100
33	M38	X	0	0	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	1.831	1.831	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	1.831	1.831	0	%100
39	M42	X	0	0	0	%100
40	M42	Z	.982	.982	0	%100
41	M43	X	0	0	0	%100
42	M43	Z	.982	.982	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	.982	.982	0	%100
45	M45	X	0	0	0	%100
46	M45	Z	.982	.982	0	%100
47	M46	X	0	0	0	%100
48	M46	Z	2.231	2.231	0	%100
49	M47	X	0	0	0	%100
50	M47	Z	2.231	2.231	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	2.231	2.231	0	%100
53	M49	X	0	0	0	%100
54	M49	Z	2.231	2.231	0	%100
55	M45A	X	0	0	0	%100
56	M45A	Z	2.289	2.289	0	%100
57	M46A	X	0	0	0	%100
58	M46A	Z	2.111	2.111	0	%100
59	M47A	X	0	0	0	%100
60	M47A	Z	2.111	2.111	0	%100
61	M48A	X	0	0	0	%100
62	M48A	Z	2.289	2.289	0	%100
63	M49A	X	0	0	0	%100
64	M49A	Z	2.289	2.289	0	%100
65	M50	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
66	M50	Z	2.111	2.111	0	%100
67	M51	X	0	0	0	%100
68	M51	Z	2.111	2.111	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	2.289	2.289	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	11.36	11.36	0	%100
73	M54	X	0	0	0	%100
74	M54	Z	11.36	11.36	0	%100
75	M46B	X	0	0	0	%100
76	M46B	Z	7.866	7.866	0	%100
77	M47B	X	0	0	0	%100
78	M47B	Z	6.114	6.114	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	8.698	8.698	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	8.698	8.698	0	%100
83	MP4A	X	0	0	0	%100
84	MP4A	Z	8.698	8.698	0	%100
85	MP5A	X	0	0	0	%100
86	MP5A	Z	8.698	8.698	0	%100
87	M62	X	0	0	0	%100
88	M62	Z	5.726	5.726	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	6.082	6.082	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	9.88	9.88	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	11.227	11.227	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	11.24	11.24	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	12.011	12.011	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	10.53	10.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
1	M1	X	-3.262	-3.262	0	%100
2	M1	Z	5.65	5.65	0	%100
3	M2	X	-3.262	-3.262	0	%100
4	M2	Z	5.65	5.65	0	%100
5	MP1A	X	-4.349	-4.349	0	%100
6	MP1A	Z	7.533	7.533	0	%100
7	M17	X	-.229	-.229	0	%100
8	M17	Z	.396	.396	0	%100
9	M18	X	-.229	-.229	0	%100
10	M18	Z	.396	.396	0	%100
11	M21A	X	-.687	-.687	0	%100
12	M21A	Z	1.189	1.189	0	%100
13	M22A	X	-.687	-.687	0	%100
14	M22A	Z	1.189	1.189	0	%100
15	M22	X	-.07	-.07	0	%100
16	M22	Z	.122	.122	0	%100
17	M23	X	-.9	-.9	0	%100
18	M23	Z	1.559	1.559	0	%100
19	M24	X	-.07	-.07	0	%100
20	M24	Z	.122	.122	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
21	M25	X	-.9	-.9	0	%100
22	M25	Z	1.558	1.558	0	%100
23	M26	X	-.16	-.16	0	%100
24	M26	Z	.277	.277	0	%100
25	M27	X	-2.044	-2.044	0	%100
26	M27	Z	3.54	3.54	0	%100
27	M28	X	-.16	-.16	0	%100
28	M28	Z	.277	.277	0	%100
29	M29	X	-2.044	-2.044	0	%100
30	M29	Z	3.54	3.54	0	%100
31	M37	X	-.229	-.229	0	%100
32	M37	Z	.396	.396	0	%100
33	M38	X	-.229	-.229	0	%100
34	M38	Z	.396	.396	0	%100
35	M39	X	-.687	-.687	0	%100
36	M39	Z	1.189	1.189	0	%100
37	M40	X	-.687	-.687	0	%100
38	M40	Z	1.189	1.189	0	%100
39	M42	X	-.07	-.07	0	%100
40	M42	Z	.122	.122	0	%100
41	M43	X	-.9	-.9	0	%100
42	M43	Z	1.559	1.559	0	%100
43	M44	X	-.07	-.07	0	%100
44	M44	Z	.122	.122	0	%100
45	M45	X	-.9	-.9	0	%100
46	M45	Z	1.558	1.558	0	%100
47	M46	X	-.16	-.16	0	%100
48	M46	Z	.277	.277	0	%100
49	M47	X	-2.044	-2.044	0	%100
50	M47	Z	3.54	3.54	0	%100
51	M48	X	-.16	-.16	0	%100
52	M48	Z	.277	.277	0	%100
53	M49	X	-2.044	-2.044	0	%100
54	M49	Z	3.54	3.54	0	%100
55	M45A	X	-1.145	-1.145	0	%100
56	M45A	Z	1.982	1.982	0	%100
57	M46A	X	-.975	-.975	0	%100
58	M46A	Z	1.688	1.688	0	%100
59	M47A	X	-.975	-.975	0	%100
60	M47A	Z	1.688	1.688	0	%100
61	M48A	X	-1.145	-1.145	0	%100
62	M48A	Z	1.982	1.982	0	%100
63	M49A	X	-1.145	-1.145	0	%100
64	M49A	Z	1.982	1.982	0	%100
65	M50	X	-1.133	-1.133	0	%100
66	M50	Z	1.963	1.963	0	%100
67	M51	X	-1.133	-1.133	0	%100
68	M51	Z	1.963	1.963	0	%100
69	M52	X	-1.145	-1.145	0	%100
70	M52	Z	1.982	1.982	0	%100
71	M53	X	-5.68	-5.68	0	%100
72	M53	Z	9.838	9.838	0	%100
73	M54	X	-5.68	-5.68	0	%100
74	M54	Z	9.838	9.838	0	%100
75	M46B	X	-1.376	-1.376	0	%100
76	M46B	Z	2.384	2.384	0	%100
77	M47B	X	-5.796	-5.796	0	%100
78	M47B	Z	10.039	10.039	0	%100
79	MP2A	X	-4.349	-4.349	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
80	MP2A	Z	7.533	7.533	0	%100
81	MP3A	X	-4.349	-4.349	0	%100
82	MP3A	Z	7.533	7.533	0	%100
83	MP4A	X	-4.349	-4.349	0	%100
84	MP4A	Z	7.533	7.533	0	%100
85	MP5A	X	-4.349	-4.349	0	%100
86	MP5A	Z	7.533	7.533	0	%100
87	M62	X	-.732	-.732	0	%100
88	M62	Z	1.268	1.268	0	%100
89	M63	X	-4.335	-4.335	0	%100
90	M63	Z	7.509	7.509	0	%100
91	M64	X	-1.33	-1.33	0	%100
92	M64	Z	2.304	2.304	0	%100
93	M65	X	-7.627	-7.627	0	%100
94	M65	Z	13.211	13.211	0	%100
95	M66	X	-2.148	-2.148	0	%100
96	M66	Z	3.72	3.72	0	%100
97	M67	X	-7.626	-7.626	0	%100
98	M67	Z	13.208	13.208	0	%100
99	M68	X	-3.949	-3.949	0	%100
100	M68	Z	6.839	6.839	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	-1.883	-1.883	0	%100
2	M1	Z	1.087	1.087	0	%100
3	M2	X	-1.883	-1.883	0	%100
4	M2	Z	1.087	1.087	0	%100
5	MP1A	X	-7.533	-7.533	0	%100
6	MP1A	Z	4.349	4.349	0	%100
7	M17	X	-1.189	-1.189	0	%100
8	M17	Z	.687	.687	0	%100
9	M18	X	-1.189	-1.189	0	%100
10	M18	Z	.687	.687	0	%100
11	M21A	X	-.396	-.396	0	%100
12	M21A	Z	.229	.229	0	%100
13	M22A	X	-.396	-.396	0	%100
14	M22A	Z	.229	.229	0	%100
15	M22	X	-.101	-.101	0	%100
16	M22	Z	.058	.058	0	%100
17	M23	X	-1.537	-1.537	0	%100
18	M23	Z	.888	.888	0	%100
19	M24	X	-.101	-.101	0	%100
20	M24	Z	.058	.058	0	%100
21	M25	X	-1.537	-1.537	0	%100
22	M25	Z	.888	.888	0	%100
23	M26	X	-.229	-.229	0	%100
24	M26	Z	.132	.132	0	%100
25	M27	X	-3.491	-3.491	0	%100
26	M27	Z	2.016	2.016	0	%100
27	M28	X	-.229	-.229	0	%100
28	M28	Z	.132	.132	0	%100
29	M29	X	-3.491	-3.491	0	%100
30	M29	Z	2.016	2.016	0	%100
31	M37	X	-1.189	-1.189	0	%100
32	M37	Z	.687	.687	0	%100
33	M38	X	-1.189	-1.189	0	%100
34	M38	Z	.687	.687	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
35	M39	X	-.396	-.396	0	%100
36	M39	Z	.229	.229	0	%100
37	M40	X	-.396	-.396	0	%100
38	M40	Z	.229	.229	0	%100
39	M42	X	-.101	-.101	0	%100
40	M42	Z	.058	.058	0	%100
41	M43	X	-1.537	-1.537	0	%100
42	M43	Z	.888	.888	0	%100
43	M44	X	-.101	-.101	0	%100
44	M44	Z	.058	.058	0	%100
45	M45	X	-1.537	-1.537	0	%100
46	M45	Z	.888	.888	0	%100
47	M46	X	-.229	-.229	0	%100
48	M46	Z	.132	.132	0	%100
49	M47	X	-3.491	-3.491	0	%100
50	M47	Z	2.016	2.016	0	%100
51	M48	X	-.229	-.229	0	%100
52	M48	Z	.132	.132	0	%100
53	M49	X	-3.491	-3.491	0	%100
54	M49	Z	2.016	2.016	0	%100
55	M45A	X	-1.982	-1.982	0	%100
56	M45A	Z	1.145	1.145	0	%100
57	M46A	X	-1.684	-1.684	0	%100
58	M46A	Z	.973	.973	0	%100
59	M47A	X	-1.684	-1.684	0	%100
60	M47A	Z	.973	.973	0	%100
61	M48A	X	-1.982	-1.982	0	%100
62	M48A	Z	1.145	1.145	0	%100
63	M49A	X	-1.982	-1.982	0	%100
64	M49A	Z	1.145	1.145	0	%100
65	M50	X	-1.959	-1.959	0	%100
66	M50	Z	1.131	1.131	0	%100
67	M51	X	-1.959	-1.959	0	%100
68	M51	Z	1.131	1.131	0	%100
69	M52	X	-1.982	-1.982	0	%100
70	M52	Z	1.145	1.145	0	%100
71	M53	X	-9.838	-9.838	0	%100
72	M53	Z	5.68	5.68	0	%100
73	M54	X	-9.838	-9.838	0	%100
74	M54	Z	5.68	5.68	0	%100
75	M46B	X	-2.568	-2.568	0	%100
76	M46B	Z	1.482	1.482	0	%100
77	M47B	X	-11.682	-11.682	0	%100
78	M47B	Z	6.745	6.745	0	%100
79	MP2A	X	-7.533	-7.533	0	%100
80	MP2A	Z	4.349	4.349	0	%100
81	MP3A	X	-7.533	-7.533	0	%100
82	MP3A	Z	4.349	4.349	0	%100
83	MP4A	X	-7.533	-7.533	0	%100
84	MP4A	Z	4.349	4.349	0	%100
85	MP5A	X	-7.533	-7.533	0	%100
86	MP5A	Z	4.349	4.349	0	%100
87	M62	X	-.076	-.076	0	%100
88	M62	Z	.044	.044	0	%100
89	M63	X	-6.008	-6.008	0	%100
90	M63	Z	3.469	3.469	0	%100
91	M64	X	-.257	-.257	0	%100
92	M64	Z	.149	.149	0	%100
93	M65	X	-10.15	-10.15	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
94	M65	Z	5.86	5.86	0	%100
95	M66	X	-1.164	-1.164	0	%100
96	M66	Z	.672	.672	0	%100
97	M67	X	-9.876	-9.876	0	%100
98	M67	Z	5.702	5.702	0	%100
99	M68	X	-2.28	-2.28	0	%100
100	M68	Z	1.316	1.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP1A	X	-8.698	-8.698	0	%100
6	MP1A	Z	0	0	0	%100
7	M17	X	-1.831	-1.831	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	-1.831	-1.831	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	0	0	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	0	0	0	%100
15	M22	X	-.934	-.934	0	%100
16	M22	Z	0	0	0	%100
17	M23	X	-.934	-.934	0	%100
18	M23	Z	0	0	0	%100
19	M24	X	-.933	-.933	0	%100
20	M24	Z	0	0	0	%100
21	M25	X	-.933	-.933	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	-2.12	-2.12	0	%100
24	M26	Z	0	0	0	%100
25	M27	X	-2.12	-2.12	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	-2.12	-2.12	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	-2.12	-2.12	0	%100
30	M29	Z	0	0	0	%100
31	M37	X	-1.831	-1.831	0	%100
32	M37	Z	0	0	0	%100
33	M38	X	-1.831	-1.831	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	0	0	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M42	X	-.934	-.934	0	%100
40	M42	Z	0	0	0	%100
41	M43	X	-.934	-.934	0	%100
42	M43	Z	0	0	0	%100
43	M44	X	-.933	-.933	0	%100
44	M44	Z	0	0	0	%100
45	M45	X	-.933	-.933	0	%100
46	M45	Z	0	0	0	%100
47	M46	X	-2.12	-2.12	0	%100
48	M46	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
49	M47	X	-2.12	-2.12	0	%100
50	M47	Z	0	0	0	%100
51	M48	X	-2.12	-2.12	0	%100
52	M48	Z	0	0	0	%100
53	M49	X	-2.12	-2.12	0	%100
54	M49	Z	0	0	0	%100
55	M45A	X	-2.289	-2.289	0	%100
56	M45A	Z	0	0	0	%100
57	M46A	X	-2.101	-2.101	0	%100
58	M46A	Z	0	0	0	%100
59	M47A	X	-2.101	-2.101	0	%100
60	M47A	Z	0	0	0	%100
61	M48A	X	-2.289	-2.289	0	%100
62	M48A	Z	0	0	0	%100
63	M49A	X	-2.289	-2.289	0	%100
64	M49A	Z	0	0	0	%100
65	M50	X	-2.101	-2.101	0	%100
66	M50	Z	0	0	0	%100
67	M51	X	-2.101	-2.101	0	%100
68	M51	Z	0	0	0	%100
69	M52	X	-2.289	-2.289	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	-11.36	-11.36	0	%100
72	M53	Z	0	0	0	%100
73	M54	X	-11.36	-11.36	0	%100
74	M54	Z	0	0	0	%100
75	M46B	X	-8.291	-8.291	0	%100
76	M46B	Z	0	0	0	%100
77	M47B	X	-9.908	-9.908	0	%100
78	M47B	Z	0	0	0	%100
79	MP2A	X	-8.698	-8.698	0	%100
80	MP2A	Z	0	0	0	%100
81	MP3A	X	-8.698	-8.698	0	%100
82	MP3A	Z	0	0	0	%100
83	MP4A	X	-8.698	-8.698	0	%100
84	MP4A	Z	0	0	0	%100
85	MP5A	X	-8.698	-8.698	0	%100
86	MP5A	Z	0	0	0	%100
87	M62	X	-2.973	-2.973	0	%100
88	M62	Z	0	0	0	%100
89	M63	X	-2.616	-2.616	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-5.154	-5.154	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	-4.158	-4.158	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	-5.338	-5.338	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	-4.315	-4.315	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
1	M1	X	-1.883	-1.883	0	%100
2	M1	Z	-1.087	-1.087	0	%100
3	M2	X	-1.883	-1.883	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
4	M2	Z	-1.087	-1.087	0	%100
5	MP1A	X	-7.533	-7.533	0	%100
6	MP1A	Z	-4.349	-4.349	0	%100
7	M17	X	-1.189	-1.189	0	%100
8	M17	Z	-.687	-.687	0	%100
9	M18	X	-1.189	-1.189	0	%100
10	M18	Z	-.687	-.687	0	%100
11	M21A	X	-.396	-.396	0	%100
12	M21A	Z	-.229	-.229	0	%100
13	M22A	X	-.396	-.396	0	%100
14	M22A	Z	-.229	-.229	0	%100
15	M22	X	-1.537	-1.537	0	%100
16	M22	Z	-.888	-.888	0	%100
17	M23	X	-.101	-.101	0	%100
18	M23	Z	-.058	-.058	0	%100
19	M24	X	-1.537	-1.537	0	%100
20	M24	Z	-.888	-.888	0	%100
21	M25	X	-.101	-.101	0	%100
22	M25	Z	-.058	-.058	0	%100
23	M26	X	-3.491	-3.491	0	%100
24	M26	Z	-2.016	-2.016	0	%100
25	M27	X	-.229	-.229	0	%100
26	M27	Z	-.132	-.132	0	%100
27	M28	X	-3.491	-3.491	0	%100
28	M28	Z	-2.016	-2.016	0	%100
29	M29	X	-.229	-.229	0	%100
30	M29	Z	-.132	-.132	0	%100
31	M37	X	-1.189	-1.189	0	%100
32	M37	Z	-.687	-.687	0	%100
33	M38	X	-1.189	-1.189	0	%100
34	M38	Z	-.687	-.687	0	%100
35	M39	X	-.396	-.396	0	%100
36	M39	Z	-.229	-.229	0	%100
37	M40	X	-.396	-.396	0	%100
38	M40	Z	-.229	-.229	0	%100
39	M42	X	-1.537	-1.537	0	%100
40	M42	Z	-.888	-.888	0	%100
41	M43	X	-.101	-.101	0	%100
42	M43	Z	-.058	-.058	0	%100
43	M44	X	-1.537	-1.537	0	%100
44	M44	Z	-.888	-.888	0	%100
45	M45	X	-.101	-.101	0	%100
46	M45	Z	-.058	-.058	0	%100
47	M46	X	-3.491	-3.491	0	%100
48	M46	Z	-2.016	-2.016	0	%100
49	M47	X	-.229	-.229	0	%100
50	M47	Z	-.132	-.132	0	%100
51	M48	X	-3.491	-3.491	0	%100
52	M48	Z	-2.016	-2.016	0	%100
53	M49	X	-.229	-.229	0	%100
54	M49	Z	-.132	-.132	0	%100
55	M45A	X	-1.982	-1.982	0	%100
56	M45A	Z	-1.145	-1.145	0	%100
57	M46A	X	-1.959	-1.959	0	%100
58	M46A	Z	-1.131	-1.131	0	%100
59	M47A	X	-1.959	-1.959	0	%100
60	M47A	Z	-1.131	-1.131	0	%100
61	M48A	X	-1.982	-1.982	0	%100
62	M48A	Z	-1.145	-1.145	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
63	M49A	X	-1.982	-1.982	0	%100
64	M49A	Z	-1.145	-1.145	0	%100
65	M50	X	-1.684	-1.684	0	%100
66	M50	Z	-.973	-.973	0	%100
67	M51	X	-1.684	-1.684	0	%100
68	M51	Z	-.973	-.973	0	%100
69	M52	X	-1.982	-1.982	0	%100
70	M52	Z	-1.145	-1.145	0	%100
71	M53	X	-9.838	-9.838	0	%100
72	M53	Z	-5.68	-5.68	0	%100
73	M54	X	-9.838	-9.838	0	%100
74	M54	Z	-5.68	-5.68	0	%100
75	M46B	X	-11.609	-11.609	0	%100
76	M46B	Z	-6.702	-6.702	0	%100
77	M47B	X	-3.836	-3.836	0	%100
78	M47B	Z	-2.215	-2.215	0	%100
79	MP2A	X	-7.533	-7.533	0	%100
80	MP2A	Z	-4.349	-4.349	0	%100
81	MP3A	X	-7.533	-7.533	0	%100
82	MP3A	Z	-4.349	-4.349	0	%100
83	MP4A	X	-7.533	-7.533	0	%100
84	MP4A	Z	-4.349	-4.349	0	%100
85	MP5A	X	-7.533	-7.533	0	%100
86	MP5A	Z	-4.349	-4.349	0	%100
87	M62	X	-6.265	-6.265	0	%100
88	M62	Z	-3.617	-3.617	0	%100
89	M63	X	-.024	-.024	0	%100
90	M63	Z	-.014	-.014	0	%100
91	M64	X	-10.716	-10.716	0	%100
92	M64	Z	-6.187	-6.187	0	%100
93	M65	X	-.113	-.113	0	%100
94	M65	Z	-.065	-.065	0	%100
95	M66	X	-10.638	-10.638	0	%100
96	M66	Z	-6.142	-6.142	0	%100
97	M67	X	-.93	-.93	0	%100
98	M67	Z	-.537	-.537	0	%100
99	M68	X	-2.28	-2.28	0	%100
100	M68	Z	-1.316	-1.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	-3.262	-3.262	0	%100
2	M1	Z	-5.65	-5.65	0	%100
3	M2	X	-3.262	-3.262	0	%100
4	M2	Z	-5.65	-5.65	0	%100
5	MP1A	X	-4.349	-4.349	0	%100
6	MP1A	Z	-7.533	-7.533	0	%100
7	M17	X	-.229	-.229	0	%100
8	M17	Z	-.396	-.396	0	%100
9	M18	X	-.229	-.229	0	%100
10	M18	Z	-.396	-.396	0	%100
11	M21A	X	-.687	-.687	0	%100
12	M21A	Z	-1.189	-1.189	0	%100
13	M22A	X	-.687	-.687	0	%100
14	M22A	Z	-1.189	-1.189	0	%100
15	M22	X	-.9	-.9	0	%100
16	M22	Z	-1.559	-1.559	0	%100
17	M23	X	-.07	-.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
18	M23	Z	-.122	-.122	0	%100
19	M24	X	-.9	-.9	0	%100
20	M24	Z	-1.558	-1.558	0	%100
21	M25	X	-.07	-.07	0	%100
22	M25	Z	-.122	-.122	0	%100
23	M26	X	-2.044	-2.044	0	%100
24	M26	Z	-3.54	-3.54	0	%100
25	M27	X	-.16	-.16	0	%100
26	M27	Z	-.277	-.277	0	%100
27	M28	X	-2.044	-2.044	0	%100
28	M28	Z	-3.54	-3.54	0	%100
29	M29	X	-.16	-.16	0	%100
30	M29	Z	-.277	-.277	0	%100
31	M37	X	-.229	-.229	0	%100
32	M37	Z	-.396	-.396	0	%100
33	M38	X	-.229	-.229	0	%100
34	M38	Z	-.396	-.396	0	%100
35	M39	X	-.687	-.687	0	%100
36	M39	Z	-1.189	-1.189	0	%100
37	M40	X	-.687	-.687	0	%100
38	M40	Z	-1.189	-1.189	0	%100
39	M42	X	-.9	-.9	0	%100
40	M42	Z	-1.559	-1.559	0	%100
41	M43	X	-.07	-.07	0	%100
42	M43	Z	-.122	-.122	0	%100
43	M44	X	-.9	-.9	0	%100
44	M44	Z	-1.558	-1.558	0	%100
45	M45	X	-.07	-.07	0	%100
46	M45	Z	-.122	-.122	0	%100
47	M46	X	-2.044	-2.044	0	%100
48	M46	Z	-3.54	-3.54	0	%100
49	M47	X	-.16	-.16	0	%100
50	M47	Z	-.277	-.277	0	%100
51	M48	X	-2.044	-2.044	0	%100
52	M48	Z	-3.54	-3.54	0	%100
53	M49	X	-.16	-.16	0	%100
54	M49	Z	-.277	-.277	0	%100
55	M45A	X	-1.145	-1.145	0	%100
56	M45A	Z	-1.982	-1.982	0	%100
57	M46A	X	-1.133	-1.133	0	%100
58	M46A	Z	-1.963	-1.963	0	%100
59	M47A	X	-1.133	-1.133	0	%100
60	M47A	Z	-1.963	-1.963	0	%100
61	M48A	X	-1.145	-1.145	0	%100
62	M48A	Z	-1.982	-1.982	0	%100
63	M49A	X	-1.145	-1.145	0	%100
64	M49A	Z	-1.982	-1.982	0	%100
65	M50	X	-.975	-.975	0	%100
66	M50	Z	-1.688	-1.688	0	%100
67	M51	X	-.975	-.975	0	%100
68	M51	Z	-1.688	-1.688	0	%100
69	M52	X	-1.145	-1.145	0	%100
70	M52	Z	-1.982	-1.982	0	%100
71	M53	X	-5.68	-5.68	0	%100
72	M53	Z	-9.838	-9.838	0	%100
73	M54	X	-5.68	-5.68	0	%100
74	M54	Z	-9.838	-9.838	0	%100
75	M46B	X	-6.596	-6.596	0	%100
76	M46B	Z	-11.425	-11.425	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
77	M47B	X	-1.266	-1.266	0	%100
78	M47B	Z	-2.193	-2.193	0	%100
79	MP2A	X	-4.349	-4.349	0	%100
80	MP2A	Z	-7.533	-7.533	0	%100
81	MP3A	X	-4.349	-4.349	0	%100
82	MP3A	Z	-7.533	-7.533	0	%100
83	MP4A	X	-4.349	-4.349	0	%100
84	MP4A	Z	-7.533	-7.533	0	%100
85	MP5A	X	-4.349	-4.349	0	%100
86	MP5A	Z	-7.533	-7.533	0	%100
87	M62	X	-4.305	-4.305	0	%100
88	M62	Z	-7.457	-7.457	0	%100
89	M63	X	-.881	-.881	0	%100
90	M63	Z	-1.525	-1.525	0	%100
91	M64	X	-7.368	-7.368	0	%100
92	M64	Z	-12.763	-12.763	0	%100
93	M65	X	-1.832	-1.832	0	%100
94	M65	Z	-3.174	-3.174	0	%100
95	M66	X	-7.617	-7.617	0	%100
96	M66	Z	-13.193	-13.193	0	%100
97	M67	X	-2.461	-2.461	0	%100
98	M67	Z	-4.263	-4.263	0	%100
99	M68	X	-3.949	-3.949	0	%100
100	M68	Z	-6.839	-6.839	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	-2.75	-2.75	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.75	-2.75	0	%100
5	MP1A	X	0	0	0	%100
6	MP1A	Z	-2.75	-2.75	0	%100
7	M17	X	0	0	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	0	0	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	-1.085	-1.085	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	-1.085	-1.085	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	-.563	-.563	0	%100
17	M23	X	0	0	0	%100
18	M23	Z	-.563	-.563	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	-.563	-.563	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	-.563	-.563	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	-.82	-.82	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	-.82	-.82	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	-.82	-.82	0	%100
29	M29	X	0	0	0	%100
30	M29	Z	-.82	-.82	0	%100
31	M37	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
32	M37	Z	0	0	0	%100
33	M38	X	0	0	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	-1.085	-1.085	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	-1.085	-1.085	0	%100
39	M42	X	0	0	0	%100
40	M42	Z	-.563	-.563	0	%100
41	M43	X	0	0	0	%100
42	M43	Z	-.563	-.563	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	-.563	-.563	0	%100
45	M45	X	0	0	0	%100
46	M45	Z	-.563	-.563	0	%100
47	M46	X	0	0	0	%100
48	M46	Z	-.82	-.82	0	%100
49	M47	X	0	0	0	%100
50	M47	Z	-.82	-.82	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-.82	-.82	0	%100
53	M49	X	0	0	0	%100
54	M49	Z	-.82	-.82	0	%100
55	M45A	X	0	0	0	%100
56	M45A	Z	-1.421	-1.421	0	%100
57	M46A	X	0	0	0	%100
58	M46A	Z	-1.338	-1.338	0	%100
59	M47A	X	0	0	0	%100
60	M47A	Z	-1.338	-1.338	0	%100
61	M48A	X	0	0	0	%100
62	M48A	Z	-1.421	-1.421	0	%100
63	M49A	X	0	0	0	%100
64	M49A	Z	-1.421	-1.421	0	%100
65	M50	X	0	0	0	%100
66	M50	Z	-1.338	-1.338	0	%100
67	M51	X	0	0	0	%100
68	M51	Z	-1.338	-1.338	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	-1.421	-1.421	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	-3.176	-3.176	0	%100
73	M54	X	0	0	0	%100
74	M54	Z	-3.176	-3.176	0	%100
75	M46B	X	0	0	0	%100
76	M46B	Z	-1.975	-1.975	0	%100
77	M47B	X	0	0	0	%100
78	M47B	Z	-1.531	-1.531	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	-2.75	-2.75	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-2.75	-2.75	0	%100
83	MP4A	X	0	0	0	%100
84	MP4A	Z	-2.75	-2.75	0	%100
85	MP5A	X	0	0	0	%100
86	MP5A	Z	-2.75	-2.75	0	%100
87	M62	X	0	0	0	%100
88	M62	Z	-1.81	-1.81	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	-1.923	-1.923	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
91	M64	X	0	0	0	%100
92	M64	Z	-2.483	-2.483	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	-2.795	-2.795	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	-2.799	-2.799	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	-2.991	-2.991	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	-3.043	-3.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
1	M1	X	1.031	1.031	0	%100
2	M1	Z	-1.786	-1.786	0	%100
3	M2	X	1.031	1.031	0	%100
4	M2	Z	-1.786	-1.786	0	%100
5	MP1A	X	1.375	1.375	0	%100
6	MP1A	Z	-2.381	-2.381	0	%100
7	M17	X	.136	.136	0	%100
8	M17	Z	-.235	-.235	0	%100
9	M18	X	.136	.136	0	%100
10	M18	Z	-.235	-.235	0	%100
11	M21A	X	.407	.407	0	%100
12	M21A	Z	-.705	-.705	0	%100
13	M22A	X	.407	.407	0	%100
14	M22A	Z	-.705	-.705	0	%100
15	M22	X	.04	.04	0	%100
16	M22	Z	-.07	-.07	0	%100
17	M23	X	.516	.516	0	%100
18	M23	Z	-.894	-.894	0	%100
19	M24	X	.04	.04	0	%100
20	M24	Z	-.07	-.07	0	%100
21	M25	X	.516	.516	0	%100
22	M25	Z	-.894	-.894	0	%100
23	M26	X	.059	.059	0	%100
24	M26	Z	-.102	-.102	0	%100
25	M27	X	.751	.751	0	%100
26	M27	Z	-1.301	-1.301	0	%100
27	M28	X	.059	.059	0	%100
28	M28	Z	-.102	-.102	0	%100
29	M29	X	.751	.751	0	%100
30	M29	Z	-1.301	-1.301	0	%100
31	M37	X	.136	.136	0	%100
32	M37	Z	-.235	-.235	0	%100
33	M38	X	.136	.136	0	%100
34	M38	Z	-.235	-.235	0	%100
35	M39	X	.407	.407	0	%100
36	M39	Z	-.705	-.705	0	%100
37	M40	X	.407	.407	0	%100
38	M40	Z	-.705	-.705	0	%100
39	M42	X	.04	.04	0	%100
40	M42	Z	-.07	-.07	0	%100
41	M43	X	.516	.516	0	%100
42	M43	Z	-.894	-.894	0	%100
43	M44	X	.04	.04	0	%100
44	M44	Z	-.07	-.07	0	%100
45	M45	X	.516	.516	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
46	M45	Z	-.894	-.894	0	%100
47	M46	X	.059	.059	0	%100
48	M46	Z	-.102	-.102	0	%100
49	M47	X	.751	.751	0	%100
50	M47	Z	-1.301	-1.301	0	%100
51	M48	X	.059	.059	0	%100
52	M48	Z	-.102	-.102	0	%100
53	M49	X	.751	.751	0	%100
54	M49	Z	-1.301	-1.301	0	%100
55	M45A	X	.711	.711	0	%100
56	M45A	Z	-1.231	-1.231	0	%100
57	M46A	X	.618	.618	0	%100
58	M46A	Z	-1.07	-1.07	0	%100
59	M47A	X	.618	.618	0	%100
60	M47A	Z	-1.07	-1.07	0	%100
61	M48A	X	.711	.711	0	%100
62	M48A	Z	-1.231	-1.231	0	%100
63	M49A	X	.711	.711	0	%100
64	M49A	Z	-1.231	-1.231	0	%100
65	M50	X	.718	.718	0	%100
66	M50	Z	-1.244	-1.244	0	%100
67	M51	X	.718	.718	0	%100
68	M51	Z	-1.244	-1.244	0	%100
69	M52	X	.711	.711	0	%100
70	M52	Z	-1.231	-1.231	0	%100
71	M53	X	1.588	1.588	0	%100
72	M53	Z	-2.75	-2.75	0	%100
73	M54	X	1.588	1.588	0	%100
74	M54	Z	-2.75	-2.75	0	%100
75	M46B	X	.345	.345	0	%100
76	M46B	Z	-.598	-.598	0	%100
77	M47B	X	1.452	1.452	0	%100
78	M47B	Z	-2.514	-2.514	0	%100
79	MP2A	X	1.375	1.375	0	%100
80	MP2A	Z	-2.381	-2.381	0	%100
81	MP3A	X	1.375	1.375	0	%100
82	MP3A	Z	-2.381	-2.381	0	%100
83	MP4A	X	1.375	1.375	0	%100
84	MP4A	Z	-2.381	-2.381	0	%100
85	MP5A	X	1.375	1.375	0	%100
86	MP5A	Z	-2.381	-2.381	0	%100
87	M62	X	.231	.231	0	%100
88	M62	Z	-.401	-.401	0	%100
89	M63	X	1.37	1.37	0	%100
90	M63	Z	-2.374	-2.374	0	%100
91	M64	X	.334	.334	0	%100
92	M64	Z	-.579	-.579	0	%100
93	M65	X	1.899	1.899	0	%100
94	M65	Z	-3.289	-3.289	0	%100
95	M66	X	.535	.535	0	%100
96	M66	Z	-.926	-.926	0	%100
97	M67	X	1.899	1.899	0	%100
98	M67	Z	-3.289	-3.289	0	%100
99	M68	X	1.141	1.141	0	%100
100	M68	Z	-1.976	-1.976	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft..End Location[ft,...

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	.595	.595	0	%100
2	M1	Z	-.344	-.344	0	%100
3	M2	X	.595	.595	0	%100
4	M2	Z	-.344	-.344	0	%100
5	MP1A	X	2.381	2.381	0	%100
6	MP1A	Z	-1.375	-1.375	0	%100
7	M17	X	.705	.705	0	%100
8	M17	Z	-.407	-.407	0	%100
9	M18	X	.705	.705	0	%100
10	M18	Z	-.407	-.407	0	%100
11	M21A	X	.235	.235	0	%100
12	M21A	Z	-.136	-.136	0	%100
13	M22A	X	.235	.235	0	%100
14	M22A	Z	-.136	-.136	0	%100
15	M22	X	.058	.058	0	%100
16	M22	Z	-.033	-.033	0	%100
17	M23	X	.882	.882	0	%100
18	M23	Z	-.509	-.509	0	%100
19	M24	X	.058	.058	0	%100
20	M24	Z	-.033	-.033	0	%100
21	M25	X	.882	.882	0	%100
22	M25	Z	-.509	-.509	0	%100
23	M26	X	.084	.084	0	%100
24	M26	Z	-.049	-.049	0	%100
25	M27	X	1.283	1.283	0	%100
26	M27	Z	-.741	-.741	0	%100
27	M28	X	.084	.084	0	%100
28	M28	Z	-.049	-.049	0	%100
29	M29	X	1.283	1.283	0	%100
30	M29	Z	-.741	-.741	0	%100
31	M37	X	.705	.705	0	%100
32	M37	Z	-.407	-.407	0	%100
33	M38	X	.705	.705	0	%100
34	M38	Z	-.407	-.407	0	%100
35	M39	X	.235	.235	0	%100
36	M39	Z	-.136	-.136	0	%100
37	M40	X	.235	.235	0	%100
38	M40	Z	-.136	-.136	0	%100
39	M42	X	.058	.058	0	%100
40	M42	Z	-.033	-.033	0	%100
41	M43	X	.882	.882	0	%100
42	M43	Z	-.509	-.509	0	%100
43	M44	X	.058	.058	0	%100
44	M44	Z	-.033	-.033	0	%100
45	M45	X	.882	.882	0	%100
46	M45	Z	-.509	-.509	0	%100
47	M46	X	.084	.084	0	%100
48	M46	Z	-.049	-.049	0	%100
49	M47	X	1.283	1.283	0	%100
50	M47	Z	-.741	-.741	0	%100
51	M48	X	.084	.084	0	%100
52	M48	Z	-.049	-.049	0	%100
53	M49	X	1.283	1.283	0	%100
54	M49	Z	-.741	-.741	0	%100
55	M45A	X	1.231	1.231	0	%100
56	M45A	Z	-.711	-.711	0	%100
57	M46A	X	1.068	1.068	0	%100
58	M46A	Z	-.616	-.616	0	%100
59	M47A	X	1.068	1.068	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
60	M47A	Z	-.616	-.616	0	%100
61	M48A	X	1.231	1.231	0	%100
62	M48A	Z	-.711	-.711	0	%100
63	M49A	X	1.231	1.231	0	%100
64	M49A	Z	-.711	-.711	0	%100
65	M50	X	1.242	1.242	0	%100
66	M50	Z	-.717	-.717	0	%100
67	M51	X	1.242	1.242	0	%100
68	M51	Z	-.717	-.717	0	%100
69	M52	X	1.231	1.231	0	%100
70	M52	Z	-.711	-.711	0	%100
71	M53	X	2.75	2.75	0	%100
72	M53	Z	-1.588	-1.588	0	%100
73	M54	X	2.75	2.75	0	%100
74	M54	Z	-1.588	-1.588	0	%100
75	M46B	X	.645	.645	0	%100
76	M46B	Z	-.372	-.372	0	%100
77	M47B	X	2.926	2.926	0	%100
78	M47B	Z	-1.689	-1.689	0	%100
79	MP2A	X	2.381	2.381	0	%100
80	MP2A	Z	-1.375	-1.375	0	%100
81	MP3A	X	2.381	2.381	0	%100
82	MP3A	Z	-1.375	-1.375	0	%100
83	MP4A	X	2.381	2.381	0	%100
84	MP4A	Z	-1.375	-1.375	0	%100
85	MP5A	X	2.381	2.381	0	%100
86	MP5A	Z	-1.375	-1.375	0	%100
87	M62	X	.024	.024	0	%100
88	M62	Z	-.014	-.014	0	%100
89	M63	X	1.899	1.899	0	%100
90	M63	Z	-1.097	-1.097	0	%100
91	M64	X	.065	.065	0	%100
92	M64	Z	-.037	-.037	0	%100
93	M65	X	2.527	2.527	0	%100
94	M65	Z	-1.459	-1.459	0	%100
95	M66	X	.29	.29	0	%100
96	M66	Z	-.167	-.167	0	%100
97	M67	X	2.459	2.459	0	%100
98	M67	Z	-1.42	-1.42	0	%100
99	M68	X	.659	.659	0	%100
100	M68	Z	-.38	-.38	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP1A	X	2.75	2.75	0	%100
6	MP1A	Z	0	0	0	%100
7	M17	X	1.085	1.085	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	1.085	1.085	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	0	0	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
15	M22	X	.535	.535	0	%100
16	M22	Z	0	0	0	%100
17	M23	X	.535	.535	0	%100
18	M23	Z	0	0	0	%100
19	M24	X	.535	.535	0	%100
20	M24	Z	0	0	0	%100
21	M25	X	.535	.535	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	.779	.779	0	%100
24	M26	Z	0	0	0	%100
25	M27	X	.779	.779	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	.779	.779	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	.779	.779	0	%100
30	M29	Z	0	0	0	%100
31	M37	X	1.085	1.085	0	%100
32	M37	Z	0	0	0	%100
33	M38	X	1.085	1.085	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	0	0	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M42	X	.535	.535	0	%100
40	M42	Z	0	0	0	%100
41	M43	X	.535	.535	0	%100
42	M43	Z	0	0	0	%100
43	M44	X	.535	.535	0	%100
44	M44	Z	0	0	0	%100
45	M45	X	.535	.535	0	%100
46	M45	Z	0	0	0	%100
47	M46	X	.779	.779	0	%100
48	M46	Z	0	0	0	%100
49	M47	X	.779	.779	0	%100
50	M47	Z	0	0	0	%100
51	M48	X	.779	.779	0	%100
52	M48	Z	0	0	0	%100
53	M49	X	.779	.779	0	%100
54	M49	Z	0	0	0	%100
55	M45A	X	1.421	1.421	0	%100
56	M45A	Z	0	0	0	%100
57	M46A	X	1.332	1.332	0	%100
58	M46A	Z	0	0	0	%100
59	M47A	X	1.332	1.332	0	%100
60	M47A	Z	0	0	0	%100
61	M48A	X	1.421	1.421	0	%100
62	M48A	Z	0	0	0	%100
63	M49A	X	1.421	1.421	0	%100
64	M49A	Z	0	0	0	%100
65	M50	X	1.332	1.332	0	%100
66	M50	Z	0	0	0	%100
67	M51	X	1.332	1.332	0	%100
68	M51	Z	0	0	0	%100
69	M52	X	1.421	1.421	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	3.176	3.176	0	%100
72	M53	Z	0	0	0	%100
73	M54	X	3.176	3.176	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
74	M54	Z	0	0	0	%100
75	M46B	X	2.082	2.082	0	%100
76	M46B	Z	0	0	0	%100
77	M47B	X	2.481	2.481	0	%100
78	M47B	Z	0	0	0	%100
79	MP2A	X	2.75	2.75	0	%100
80	MP2A	Z	0	0	0	%100
81	MP3A	X	2.75	2.75	0	%100
82	MP3A	Z	0	0	0	%100
83	MP4A	X	2.75	2.75	0	%100
84	MP4A	Z	0	0	0	%100
85	MP5A	X	2.75	2.75	0	%100
86	MP5A	Z	0	0	0	%100
87	M62	X	.94	.94	0	%100
88	M62	Z	0	0	0	%100
89	M63	X	.827	.827	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	1.295	1.295	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	1.035	1.035	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	1.329	1.329	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	1.074	1.074	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	.595	.595	0	%100
2	M1	Z	.344	.344	0	%100
3	M2	X	.595	.595	0	%100
4	M2	Z	.344	.344	0	%100
5	MP1A	X	2.381	2.381	0	%100
6	MP1A	Z	1.375	1.375	0	%100
7	M17	X	.705	.705	0	%100
8	M17	Z	.407	.407	0	%100
9	M18	X	.705	.705	0	%100
10	M18	Z	.407	.407	0	%100
11	M21A	X	.235	.235	0	%100
12	M21A	Z	.136	.136	0	%100
13	M22A	X	.235	.235	0	%100
14	M22A	Z	.136	.136	0	%100
15	M22	X	.882	.882	0	%100
16	M22	Z	.509	.509	0	%100
17	M23	X	.058	.058	0	%100
18	M23	Z	.033	.033	0	%100
19	M24	X	.882	.882	0	%100
20	M24	Z	.509	.509	0	%100
21	M25	X	.058	.058	0	%100
22	M25	Z	.033	.033	0	%100
23	M26	X	1.283	1.283	0	%100
24	M26	Z	.741	.741	0	%100
25	M27	X	.084	.084	0	%100
26	M27	Z	.049	.049	0	%100
27	M28	X	1.283	1.283	0	%100
28	M28	Z	.741	.741	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
29	M29	X	.084	.084	0	%100
30	M29	Z	.049	.049	0	%100
31	M37	X	.705	.705	0	%100
32	M37	Z	.407	.407	0	%100
33	M38	X	.705	.705	0	%100
34	M38	Z	.407	.407	0	%100
35	M39	X	.235	.235	0	%100
36	M39	Z	.136	.136	0	%100
37	M40	X	.235	.235	0	%100
38	M40	Z	.136	.136	0	%100
39	M42	X	.882	.882	0	%100
40	M42	Z	.509	.509	0	%100
41	M43	X	.058	.058	0	%100
42	M43	Z	.033	.033	0	%100
43	M44	X	.882	.882	0	%100
44	M44	Z	.509	.509	0	%100
45	M45	X	.058	.058	0	%100
46	M45	Z	.033	.033	0	%100
47	M46	X	1.283	1.283	0	%100
48	M46	Z	.741	.741	0	%100
49	M47	X	.084	.084	0	%100
50	M47	Z	.049	.049	0	%100
51	M48	X	1.283	1.283	0	%100
52	M48	Z	.741	.741	0	%100
53	M49	X	.084	.084	0	%100
54	M49	Z	.049	.049	0	%100
55	M45A	X	1.231	1.231	0	%100
56	M45A	Z	.711	.711	0	%100
57	M46A	X	1.242	1.242	0	%100
58	M46A	Z	.717	.717	0	%100
59	M47A	X	1.242	1.242	0	%100
60	M47A	Z	.717	.717	0	%100
61	M48A	X	1.231	1.231	0	%100
62	M48A	Z	.711	.711	0	%100
63	M49A	X	1.231	1.231	0	%100
64	M49A	Z	.711	.711	0	%100
65	M50	X	1.068	1.068	0	%100
66	M50	Z	.616	.616	0	%100
67	M51	X	1.068	1.068	0	%100
68	M51	Z	.616	.616	0	%100
69	M52	X	1.231	1.231	0	%100
70	M52	Z	.711	.711	0	%100
71	M53	X	2.75	2.75	0	%100
72	M53	Z	1.588	1.588	0	%100
73	M54	X	2.75	2.75	0	%100
74	M54	Z	1.588	1.588	0	%100
75	M46B	X	2.915	2.915	0	%100
76	M46B	Z	1.683	1.683	0	%100
77	M47B	X	.961	.961	0	%100
78	M47B	Z	.555	.555	0	%100
79	MP2A	X	2.381	2.381	0	%100
80	MP2A	Z	1.375	1.375	0	%100
81	MP3A	X	2.381	2.381	0	%100
82	MP3A	Z	1.375	1.375	0	%100
83	MP4A	X	2.381	2.381	0	%100
84	MP4A	Z	1.375	1.375	0	%100
85	MP5A	X	2.381	2.381	0	%100
86	MP5A	Z	1.375	1.375	0	%100
87	M62	X	1.98	1.98	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
88	M62	Z	1.143	1.143	0	%100
89	M63	X	.008	.008	0	%100
90	M63	Z	.004	.004	0	%100
91	M64	X	2.693	2.693	0	%100
92	M64	Z	1.555	1.555	0	%100
93	M65	X	.028	.028	0	%100
94	M65	Z	.016	.016	0	%100
95	M66	X	2.649	2.649	0	%100
96	M66	Z	1.529	1.529	0	%100
97	M67	X	.232	.232	0	%100
98	M67	Z	.134	.134	0	%100
99	M68	X	.659	.659	0	%100
100	M68	Z	.38	.38	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	1.031	1.031	0	%100
2	M1	Z	1.786	1.786	0	%100
3	M2	X	1.031	1.031	0	%100
4	M2	Z	1.786	1.786	0	%100
5	MP1A	X	1.375	1.375	0	%100
6	MP1A	Z	2.381	2.381	0	%100
7	M17	X	.136	.136	0	%100
8	M17	Z	.235	.235	0	%100
9	M18	X	.136	.136	0	%100
10	M18	Z	.235	.235	0	%100
11	M21A	X	.407	.407	0	%100
12	M21A	Z	.705	.705	0	%100
13	M22A	X	.407	.407	0	%100
14	M22A	Z	.705	.705	0	%100
15	M22	X	.516	.516	0	%100
16	M22	Z	.894	.894	0	%100
17	M23	X	.04	.04	0	%100
18	M23	Z	.07	.07	0	%100
19	M24	X	.516	.516	0	%100
20	M24	Z	.894	.894	0	%100
21	M25	X	.04	.04	0	%100
22	M25	Z	.07	.07	0	%100
23	M26	X	.751	.751	0	%100
24	M26	Z	1.301	1.301	0	%100
25	M27	X	.059	.059	0	%100
26	M27	Z	.102	.102	0	%100
27	M28	X	.751	.751	0	%100
28	M28	Z	1.301	1.301	0	%100
29	M29	X	.059	.059	0	%100
30	M29	Z	.102	.102	0	%100
31	M37	X	.136	.136	0	%100
32	M37	Z	.235	.235	0	%100
33	M38	X	.136	.136	0	%100
34	M38	Z	.235	.235	0	%100
35	M39	X	.407	.407	0	%100
36	M39	Z	.705	.705	0	%100
37	M40	X	.407	.407	0	%100
38	M40	Z	.705	.705	0	%100
39	M42	X	.516	.516	0	%100
40	M42	Z	.894	.894	0	%100
41	M43	X	.04	.04	0	%100
42	M43	Z	.07	.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
43	M44	X	.516	.516	0	%100
44	M44	Z	.894	.894	0	%100
45	M45	X	.04	.04	0	%100
46	M45	Z	.07	.07	0	%100
47	M46	X	.751	.751	0	%100
48	M46	Z	1.301	1.301	0	%100
49	M47	X	.059	.059	0	%100
50	M47	Z	.102	.102	0	%100
51	M48	X	.751	.751	0	%100
52	M48	Z	1.301	1.301	0	%100
53	M49	X	.059	.059	0	%100
54	M49	Z	.102	.102	0	%100
55	M45A	X	.711	.711	0	%100
56	M45A	Z	1.231	1.231	0	%100
57	M46A	X	.718	.718	0	%100
58	M46A	Z	1.244	1.244	0	%100
59	M47A	X	.718	.718	0	%100
60	M47A	Z	1.244	1.244	0	%100
61	M48A	X	.711	.711	0	%100
62	M48A	Z	1.231	1.231	0	%100
63	M49A	X	.711	.711	0	%100
64	M49A	Z	1.231	1.231	0	%100
65	M50	X	.618	.618	0	%100
66	M50	Z	1.07	1.07	0	%100
67	M51	X	.618	.618	0	%100
68	M51	Z	1.07	1.07	0	%100
69	M52	X	.711	.711	0	%100
70	M52	Z	1.231	1.231	0	%100
71	M53	X	1.588	1.588	0	%100
72	M53	Z	2.75	2.75	0	%100
73	M54	X	1.588	1.588	0	%100
74	M54	Z	2.75	2.75	0	%100
75	M46B	X	1.656	1.656	0	%100
76	M46B	Z	2.868	2.868	0	%100
77	M47B	X	.317	.317	0	%100
78	M47B	Z	.549	.549	0	%100
79	MP2A	X	1.375	1.375	0	%100
80	MP2A	Z	2.381	2.381	0	%100
81	MP3A	X	1.375	1.375	0	%100
82	MP3A	Z	2.381	2.381	0	%100
83	MP4A	X	1.375	1.375	0	%100
84	MP4A	Z	2.381	2.381	0	%100
85	MP5A	X	1.375	1.375	0	%100
86	MP5A	Z	2.381	2.381	0	%100
87	M62	X	1.361	1.361	0	%100
88	M62	Z	2.357	2.357	0	%100
89	M63	X	.278	.278	0	%100
90	M63	Z	.482	.482	0	%100
91	M64	X	1.851	1.851	0	%100
92	M64	Z	3.207	3.207	0	%100
93	M65	X	.456	.456	0	%100
94	M65	Z	.79	.79	0	%100
95	M66	X	1.897	1.897	0	%100
96	M66	Z	3.285	3.285	0	%100
97	M67	X	.613	.613	0	%100
98	M67	Z	1.061	1.061	0	%100
99	M68	X	1.141	1.141	0	%100
100	M68	Z	1.976	1.976	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	2.75	2.75	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.75	2.75	0	%100
5	MP1A	X	0	0	0	%100
6	MP1A	Z	2.75	2.75	0	%100
7	M17	X	0	0	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	0	0	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	1.085	1.085	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	1.085	1.085	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	.563	.563	0	%100
17	M23	X	0	0	0	%100
18	M23	Z	.563	.563	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	.563	.563	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	.563	.563	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	.82	.82	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	.82	.82	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	.82	.82	0	%100
29	M29	X	0	0	0	%100
30	M29	Z	.82	.82	0	%100
31	M37	X	0	0	0	%100
32	M37	Z	0	0	0	%100
33	M38	X	0	0	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	1.085	1.085	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	1.085	1.085	0	%100
39	M42	X	0	0	0	%100
40	M42	Z	.563	.563	0	%100
41	M43	X	0	0	0	%100
42	M43	Z	.563	.563	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	.563	.563	0	%100
45	M45	X	0	0	0	%100
46	M45	Z	.563	.563	0	%100
47	M46	X	0	0	0	%100
48	M46	Z	.82	.82	0	%100
49	M47	X	0	0	0	%100
50	M47	Z	.82	.82	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	.82	.82	0	%100
53	M49	X	0	0	0	%100
54	M49	Z	.82	.82	0	%100
55	M45A	X	0	0	0	%100
56	M45A	Z	1.421	1.421	0	%100
57	M46A	X	0	0	0	%100
58	M46A	Z	1.338	1.338	0	%100
59	M47A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
60	M47A	Z	1.338	1.338	0	%100
61	M48A	X	0	0	0	%100
62	M48A	Z	1.421	1.421	0	%100
63	M49A	X	0	0	0	%100
64	M49A	Z	1.421	1.421	0	%100
65	M50	X	0	0	0	%100
66	M50	Z	1.338	1.338	0	%100
67	M51	X	0	0	0	%100
68	M51	Z	1.338	1.338	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	1.421	1.421	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	3.176	3.176	0	%100
73	M54	X	0	0	0	%100
74	M54	Z	3.176	3.176	0	%100
75	M46B	X	0	0	0	%100
76	M46B	Z	1.975	1.975	0	%100
77	M47B	X	0	0	0	%100
78	M47B	Z	1.531	1.531	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	2.75	2.75	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	2.75	2.75	0	%100
83	MP4A	X	0	0	0	%100
84	MP4A	Z	2.75	2.75	0	%100
85	MP5A	X	0	0	0	%100
86	MP5A	Z	2.75	2.75	0	%100
87	M62	X	0	0	0	%100
88	M62	Z	1.81	1.81	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	1.923	1.923	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	2.483	2.483	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	2.795	2.795	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	2.799	2.799	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	2.991	2.991	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	3.043	3.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-1.031	-1.031	0	%100
2	M1	Z	1.786	1.786	0	%100
3	M2	X	-1.031	-1.031	0	%100
4	M2	Z	1.786	1.786	0	%100
5	MP1A	X	-1.375	-1.375	0	%100
6	MP1A	Z	2.381	2.381	0	%100
7	M17	X	-.136	-.136	0	%100
8	M17	Z	.235	.235	0	%100
9	M18	X	-.136	-.136	0	%100
10	M18	Z	.235	.235	0	%100
11	M21A	X	-.407	-.407	0	%100
12	M21A	Z	.705	.705	0	%100
13	M22A	X	-.407	-.407	0	%100
14	M22A	Z	.705	.705	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
15	M22	X	-.04	-.04	0	%100
16	M22	Z	.07	.07	0	%100
17	M23	X	-.516	-.516	0	%100
18	M23	Z	.894	.894	0	%100
19	M24	X	-.04	-.04	0	%100
20	M24	Z	.07	.07	0	%100
21	M25	X	-.516	-.516	0	%100
22	M25	Z	.894	.894	0	%100
23	M26	X	-.059	-.059	0	%100
24	M26	Z	.102	.102	0	%100
25	M27	X	-.751	-.751	0	%100
26	M27	Z	1.301	1.301	0	%100
27	M28	X	-.059	-.059	0	%100
28	M28	Z	.102	.102	0	%100
29	M29	X	-.751	-.751	0	%100
30	M29	Z	1.301	1.301	0	%100
31	M37	X	-.136	-.136	0	%100
32	M37	Z	.235	.235	0	%100
33	M38	X	-.136	-.136	0	%100
34	M38	Z	.235	.235	0	%100
35	M39	X	-.407	-.407	0	%100
36	M39	Z	.705	.705	0	%100
37	M40	X	-.407	-.407	0	%100
38	M40	Z	.705	.705	0	%100
39	M42	X	-.04	-.04	0	%100
40	M42	Z	.07	.07	0	%100
41	M43	X	-.516	-.516	0	%100
42	M43	Z	.894	.894	0	%100
43	M44	X	-.04	-.04	0	%100
44	M44	Z	.07	.07	0	%100
45	M45	X	-.516	-.516	0	%100
46	M45	Z	.894	.894	0	%100
47	M46	X	-.059	-.059	0	%100
48	M46	Z	.102	.102	0	%100
49	M47	X	-.751	-.751	0	%100
50	M47	Z	1.301	1.301	0	%100
51	M48	X	-.059	-.059	0	%100
52	M48	Z	.102	.102	0	%100
53	M49	X	-.751	-.751	0	%100
54	M49	Z	1.301	1.301	0	%100
55	M45A	X	-.711	-.711	0	%100
56	M45A	Z	1.231	1.231	0	%100
57	M46A	X	-.618	-.618	0	%100
58	M46A	Z	1.07	1.07	0	%100
59	M47A	X	-.618	-.618	0	%100
60	M47A	Z	1.07	1.07	0	%100
61	M48A	X	-.711	-.711	0	%100
62	M48A	Z	1.231	1.231	0	%100
63	M49A	X	-.711	-.711	0	%100
64	M49A	Z	1.231	1.231	0	%100
65	M50	X	-.718	-.718	0	%100
66	M50	Z	1.244	1.244	0	%100
67	M51	X	-.718	-.718	0	%100
68	M51	Z	1.244	1.244	0	%100
69	M52	X	-.711	-.711	0	%100
70	M52	Z	1.231	1.231	0	%100
71	M53	X	-1.588	-1.588	0	%100
72	M53	Z	2.75	2.75	0	%100
73	M54	X	-1.588	-1.588	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
74	M54	Z	2.75	2.75	0	%100
75	M46B	X	-.345	-.345	0	%100
76	M46B	Z	.598	.598	0	%100
77	M47B	X	-1.452	-1.452	0	%100
78	M47B	Z	2.514	2.514	0	%100
79	MP2A	X	-1.375	-1.375	0	%100
80	MP2A	Z	2.381	2.381	0	%100
81	MP3A	X	-1.375	-1.375	0	%100
82	MP3A	Z	2.381	2.381	0	%100
83	MP4A	X	-1.375	-1.375	0	%100
84	MP4A	Z	2.381	2.381	0	%100
85	MP5A	X	-1.375	-1.375	0	%100
86	MP5A	Z	2.381	2.381	0	%100
87	M62	X	-.231	-.231	0	%100
88	M62	Z	.401	.401	0	%100
89	M63	X	-1.37	-1.37	0	%100
90	M63	Z	2.374	2.374	0	%100
91	M64	X	-.334	-.334	0	%100
92	M64	Z	.579	.579	0	%100
93	M65	X	-1.899	-1.899	0	%100
94	M65	Z	3.289	3.289	0	%100
95	M66	X	-.535	-.535	0	%100
96	M66	Z	.926	.926	0	%100
97	M67	X	-1.899	-1.899	0	%100
98	M67	Z	3.289	3.289	0	%100
99	M68	X	-1.141	-1.141	0	%100
100	M68	Z	1.976	1.976	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
1	M1	X	-.595	-.595	0	%100
2	M1	Z	.344	.344	0	%100
3	M2	X	-.595	-.595	0	%100
4	M2	Z	.344	.344	0	%100
5	MP1A	X	-2.381	-2.381	0	%100
6	MP1A	Z	1.375	1.375	0	%100
7	M17	X	-.705	-.705	0	%100
8	M17	Z	.407	.407	0	%100
9	M18	X	-.705	-.705	0	%100
10	M18	Z	.407	.407	0	%100
11	M21A	X	-.235	-.235	0	%100
12	M21A	Z	.136	.136	0	%100
13	M22A	X	-.235	-.235	0	%100
14	M22A	Z	.136	.136	0	%100
15	M22	X	-.058	-.058	0	%100
16	M22	Z	.033	.033	0	%100
17	M23	X	-.882	-.882	0	%100
18	M23	Z	.509	.509	0	%100
19	M24	X	-.058	-.058	0	%100
20	M24	Z	.033	.033	0	%100
21	M25	X	-.882	-.882	0	%100
22	M25	Z	.509	.509	0	%100
23	M26	X	-.084	-.084	0	%100
24	M26	Z	.049	.049	0	%100
25	M27	X	-1.283	-1.283	0	%100
26	M27	Z	.741	.741	0	%100
27	M28	X	-.084	-.084	0	%100
28	M28	Z	.049	.049	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
29	M29	X	-1.283	-1.283	0	%100
30	M29	Z	.741	.741	0	%100
31	M37	X	-.705	-.705	0	%100
32	M37	Z	.407	.407	0	%100
33	M38	X	-.705	-.705	0	%100
34	M38	Z	.407	.407	0	%100
35	M39	X	-.235	-.235	0	%100
36	M39	Z	.136	.136	0	%100
37	M40	X	-.235	-.235	0	%100
38	M40	Z	.136	.136	0	%100
39	M42	X	-.058	-.058	0	%100
40	M42	Z	.033	.033	0	%100
41	M43	X	-.882	-.882	0	%100
42	M43	Z	.509	.509	0	%100
43	M44	X	-.058	-.058	0	%100
44	M44	Z	.033	.033	0	%100
45	M45	X	-.882	-.882	0	%100
46	M45	Z	.509	.509	0	%100
47	M46	X	-.084	-.084	0	%100
48	M46	Z	.049	.049	0	%100
49	M47	X	-1.283	-1.283	0	%100
50	M47	Z	.741	.741	0	%100
51	M48	X	-.084	-.084	0	%100
52	M48	Z	.049	.049	0	%100
53	M49	X	-1.283	-1.283	0	%100
54	M49	Z	.741	.741	0	%100
55	M45A	X	-1.231	-1.231	0	%100
56	M45A	Z	.711	.711	0	%100
57	M46A	X	-1.068	-1.068	0	%100
58	M46A	Z	.616	.616	0	%100
59	M47A	X	-1.068	-1.068	0	%100
60	M47A	Z	.616	.616	0	%100
61	M48A	X	-1.231	-1.231	0	%100
62	M48A	Z	.711	.711	0	%100
63	M49A	X	-1.231	-1.231	0	%100
64	M49A	Z	.711	.711	0	%100
65	M50	X	-1.242	-1.242	0	%100
66	M50	Z	.717	.717	0	%100
67	M51	X	-1.242	-1.242	0	%100
68	M51	Z	.717	.717	0	%100
69	M52	X	-1.231	-1.231	0	%100
70	M52	Z	.711	.711	0	%100
71	M53	X	-2.75	-2.75	0	%100
72	M53	Z	1.588	1.588	0	%100
73	M54	X	-2.75	-2.75	0	%100
74	M54	Z	1.588	1.588	0	%100
75	M46B	X	-.645	-.645	0	%100
76	M46B	Z	.372	.372	0	%100
77	M47B	X	-2.926	-2.926	0	%100
78	M47B	Z	1.689	1.689	0	%100
79	MP2A	X	-2.381	-2.381	0	%100
80	MP2A	Z	1.375	1.375	0	%100
81	MP3A	X	-2.381	-2.381	0	%100
82	MP3A	Z	1.375	1.375	0	%100
83	MP4A	X	-2.381	-2.381	0	%100
84	MP4A	Z	1.375	1.375	0	%100
85	MP5A	X	-2.381	-2.381	0	%100
86	MP5A	Z	1.375	1.375	0	%100
87	M62	X	-.024	-.024	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
88	M62	Z	.014	.014	0	%100
89	M63	X	-1.899	-1.899	0	%100
90	M63	Z	1.097	1.097	0	%100
91	M64	X	-.065	-.065	0	%100
92	M64	Z	.037	.037	0	%100
93	M65	X	-2.527	-2.527	0	%100
94	M65	Z	1.459	1.459	0	%100
95	M66	X	-.29	-.29	0	%100
96	M66	Z	.167	.167	0	%100
97	M67	X	-2.459	-2.459	0	%100
98	M67	Z	1.42	1.42	0	%100
99	M68	X	-.659	-.659	0	%100
100	M68	Z	.38	.38	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP1A	X	-2.75	-2.75	0	%100
6	MP1A	Z	0	0	0	%100
7	M17	X	-1.085	-1.085	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	-1.085	-1.085	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	0	0	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	0	0	0	%100
15	M22	X	-.535	-.535	0	%100
16	M22	Z	0	0	0	%100
17	M23	X	-.535	-.535	0	%100
18	M23	Z	0	0	0	%100
19	M24	X	-.535	-.535	0	%100
20	M24	Z	0	0	0	%100
21	M25	X	-.535	-.535	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	-.779	-.779	0	%100
24	M26	Z	0	0	0	%100
25	M27	X	-.779	-.779	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	-.779	-.779	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	-.779	-.779	0	%100
30	M29	Z	0	0	0	%100
31	M37	X	-1.085	-1.085	0	%100
32	M37	Z	0	0	0	%100
33	M38	X	-1.085	-1.085	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	0	0	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M42	X	-.535	-.535	0	%100
40	M42	Z	0	0	0	%100
41	M43	X	-.535	-.535	0	%100
42	M43	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
43	M44	X	-.535	-.535	0	%100
44	M44	Z	0	0	0	%100
45	M45	X	-.535	-.535	0	%100
46	M45	Z	0	0	0	%100
47	M46	X	-.779	-.779	0	%100
48	M46	Z	0	0	0	%100
49	M47	X	-.779	-.779	0	%100
50	M47	Z	0	0	0	%100
51	M48	X	-.779	-.779	0	%100
52	M48	Z	0	0	0	%100
53	M49	X	-.779	-.779	0	%100
54	M49	Z	0	0	0	%100
55	M45A	X	-1.421	-1.421	0	%100
56	M45A	Z	0	0	0	%100
57	M46A	X	-1.332	-1.332	0	%100
58	M46A	Z	0	0	0	%100
59	M47A	X	-1.332	-1.332	0	%100
60	M47A	Z	0	0	0	%100
61	M48A	X	-1.421	-1.421	0	%100
62	M48A	Z	0	0	0	%100
63	M49A	X	-1.421	-1.421	0	%100
64	M49A	Z	0	0	0	%100
65	M50	X	-1.332	-1.332	0	%100
66	M50	Z	0	0	0	%100
67	M51	X	-1.332	-1.332	0	%100
68	M51	Z	0	0	0	%100
69	M52	X	-1.421	-1.421	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	-3.176	-3.176	0	%100
72	M53	Z	0	0	0	%100
73	M54	X	-3.176	-3.176	0	%100
74	M54	Z	0	0	0	%100
75	M46B	X	-2.082	-2.082	0	%100
76	M46B	Z	0	0	0	%100
77	M47B	X	-2.481	-2.481	0	%100
78	M47B	Z	0	0	0	%100
79	MP2A	X	-2.75	-2.75	0	%100
80	MP2A	Z	0	0	0	%100
81	MP3A	X	-2.75	-2.75	0	%100
82	MP3A	Z	0	0	0	%100
83	MP4A	X	-2.75	-2.75	0	%100
84	MP4A	Z	0	0	0	%100
85	MP5A	X	-2.75	-2.75	0	%100
86	MP5A	Z	0	0	0	%100
87	M62	X	-.94	-.94	0	%100
88	M62	Z	0	0	0	%100
89	M63	X	-.827	-.827	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-1.295	-1.295	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	-1.035	-1.035	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	-1.329	-1.329	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	-1.074	-1.074	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	-.595	-.595	0	%100
2	M1	Z	-.344	-.344	0	%100
3	M2	X	-.595	-.595	0	%100
4	M2	Z	-.344	-.344	0	%100
5	MP1A	X	-2.381	-2.381	0	%100
6	MP1A	Z	-1.375	-1.375	0	%100
7	M17	X	-.705	-.705	0	%100
8	M17	Z	-.407	-.407	0	%100
9	M18	X	-.705	-.705	0	%100
10	M18	Z	-.407	-.407	0	%100
11	M21A	X	-.235	-.235	0	%100
12	M21A	Z	-.136	-.136	0	%100
13	M22A	X	-.235	-.235	0	%100
14	M22A	Z	-.136	-.136	0	%100
15	M22	X	-.882	-.882	0	%100
16	M22	Z	-.509	-.509	0	%100
17	M23	X	-.058	-.058	0	%100
18	M23	Z	-.033	-.033	0	%100
19	M24	X	-.882	-.882	0	%100
20	M24	Z	-.509	-.509	0	%100
21	M25	X	-.058	-.058	0	%100
22	M25	Z	-.033	-.033	0	%100
23	M26	X	-1.283	-1.283	0	%100
24	M26	Z	-.741	-.741	0	%100
25	M27	X	-.084	-.084	0	%100
26	M27	Z	-.049	-.049	0	%100
27	M28	X	-1.283	-1.283	0	%100
28	M28	Z	-.741	-.741	0	%100
29	M29	X	-.084	-.084	0	%100
30	M29	Z	-.049	-.049	0	%100
31	M37	X	-.705	-.705	0	%100
32	M37	Z	-.407	-.407	0	%100
33	M38	X	-.705	-.705	0	%100
34	M38	Z	-.407	-.407	0	%100
35	M39	X	-.235	-.235	0	%100
36	M39	Z	-.136	-.136	0	%100
37	M40	X	-.235	-.235	0	%100
38	M40	Z	-.136	-.136	0	%100
39	M42	X	-.882	-.882	0	%100
40	M42	Z	-.509	-.509	0	%100
41	M43	X	-.058	-.058	0	%100
42	M43	Z	-.033	-.033	0	%100
43	M44	X	-.882	-.882	0	%100
44	M44	Z	-.509	-.509	0	%100
45	M45	X	-.058	-.058	0	%100
46	M45	Z	-.033	-.033	0	%100
47	M46	X	-1.283	-1.283	0	%100
48	M46	Z	-.741	-.741	0	%100
49	M47	X	-.084	-.084	0	%100
50	M47	Z	-.049	-.049	0	%100
51	M48	X	-1.283	-1.283	0	%100
52	M48	Z	-.741	-.741	0	%100
53	M49	X	-.084	-.084	0	%100
54	M49	Z	-.049	-.049	0	%100
55	M45A	X	-1.231	-1.231	0	%100
56	M45A	Z	-.711	-.711	0	%100
57	M46A	X	-1.242	-1.242	0	%100
58	M46A	Z	-.717	-.717	0	%100
59	M47A	X	-1.242	-1.242	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
60	M47A	Z	-.717	-.717	0	%100
61	M48A	X	-1.231	-1.231	0	%100
62	M48A	Z	-.711	-.711	0	%100
63	M49A	X	-1.231	-1.231	0	%100
64	M49A	Z	-.711	-.711	0	%100
65	M50	X	-1.068	-1.068	0	%100
66	M50	Z	-.616	-.616	0	%100
67	M51	X	-1.068	-1.068	0	%100
68	M51	Z	-.616	-.616	0	%100
69	M52	X	-1.231	-1.231	0	%100
70	M52	Z	-.711	-.711	0	%100
71	M53	X	-2.75	-2.75	0	%100
72	M53	Z	-1.588	-1.588	0	%100
73	M54	X	-2.75	-2.75	0	%100
74	M54	Z	-1.588	-1.588	0	%100
75	M46B	X	-2.915	-2.915	0	%100
76	M46B	Z	-1.683	-1.683	0	%100
77	M47B	X	-.961	-.961	0	%100
78	M47B	Z	-.555	-.555	0	%100
79	MP2A	X	-2.381	-2.381	0	%100
80	MP2A	Z	-1.375	-1.375	0	%100
81	MP3A	X	-2.381	-2.381	0	%100
82	MP3A	Z	-1.375	-1.375	0	%100
83	MP4A	X	-2.381	-2.381	0	%100
84	MP4A	Z	-1.375	-1.375	0	%100
85	MP5A	X	-2.381	-2.381	0	%100
86	MP5A	Z	-1.375	-1.375	0	%100
87	M62	X	-1.98	-1.98	0	%100
88	M62	Z	-1.143	-1.143	0	%100
89	M63	X	-.008	-.008	0	%100
90	M63	Z	-.004	-.004	0	%100
91	M64	X	-2.693	-2.693	0	%100
92	M64	Z	-1.555	-1.555	0	%100
93	M65	X	-.028	-.028	0	%100
94	M65	Z	-.016	-.016	0	%100
95	M66	X	-2.649	-2.649	0	%100
96	M66	Z	-1.529	-1.529	0	%100
97	M67	X	-.232	-.232	0	%100
98	M67	Z	-.134	-.134	0	%100
99	M68	X	-.659	-.659	0	%100
100	M68	Z	-.38	-.38	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	-1.031	-1.031	0	%100
2	M1	Z	-1.786	-1.786	0	%100
3	M2	X	-1.031	-1.031	0	%100
4	M2	Z	-1.786	-1.786	0	%100
5	MP1A	X	-1.375	-1.375	0	%100
6	MP1A	Z	-2.381	-2.381	0	%100
7	M17	X	-.136	-.136	0	%100
8	M17	Z	-.235	-.235	0	%100
9	M18	X	-.136	-.136	0	%100
10	M18	Z	-.235	-.235	0	%100
11	M21A	X	-.407	-.407	0	%100
12	M21A	Z	-.705	-.705	0	%100
13	M22A	X	-.407	-.407	0	%100
14	M22A	Z	-.705	-.705	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,..
15	M22	X	-.516	-.516	0	%100
16	M22	Z	-.894	-.894	0	%100
17	M23	X	-.04	-.04	0	%100
18	M23	Z	-.07	-.07	0	%100
19	M24	X	-.516	-.516	0	%100
20	M24	Z	-.894	-.894	0	%100
21	M25	X	-.04	-.04	0	%100
22	M25	Z	-.07	-.07	0	%100
23	M26	X	-.751	-.751	0	%100
24	M26	Z	-1.301	-1.301	0	%100
25	M27	X	-.059	-.059	0	%100
26	M27	Z	-.102	-.102	0	%100
27	M28	X	-.751	-.751	0	%100
28	M28	Z	-1.301	-1.301	0	%100
29	M29	X	-.059	-.059	0	%100
30	M29	Z	-.102	-.102	0	%100
31	M37	X	-.136	-.136	0	%100
32	M37	Z	-.235	-.235	0	%100
33	M38	X	-.136	-.136	0	%100
34	M38	Z	-.235	-.235	0	%100
35	M39	X	-.407	-.407	0	%100
36	M39	Z	-.705	-.705	0	%100
37	M40	X	-.407	-.407	0	%100
38	M40	Z	-.705	-.705	0	%100
39	M42	X	-.516	-.516	0	%100
40	M42	Z	-.894	-.894	0	%100
41	M43	X	-.04	-.04	0	%100
42	M43	Z	-.07	-.07	0	%100
43	M44	X	-.516	-.516	0	%100
44	M44	Z	-.894	-.894	0	%100
45	M45	X	-.04	-.04	0	%100
46	M45	Z	-.07	-.07	0	%100
47	M46	X	-.751	-.751	0	%100
48	M46	Z	-1.301	-1.301	0	%100
49	M47	X	-.059	-.059	0	%100
50	M47	Z	-.102	-.102	0	%100
51	M48	X	-.751	-.751	0	%100
52	M48	Z	-1.301	-1.301	0	%100
53	M49	X	-.059	-.059	0	%100
54	M49	Z	-.102	-.102	0	%100
55	M45A	X	-.711	-.711	0	%100
56	M45A	Z	-1.231	-1.231	0	%100
57	M46A	X	-.718	-.718	0	%100
58	M46A	Z	-1.244	-1.244	0	%100
59	M47A	X	-.718	-.718	0	%100
60	M47A	Z	-1.244	-1.244	0	%100
61	M48A	X	-.711	-.711	0	%100
62	M48A	Z	-1.231	-1.231	0	%100
63	M49A	X	-.711	-.711	0	%100
64	M49A	Z	-1.231	-1.231	0	%100
65	M50	X	-.618	-.618	0	%100
66	M50	Z	-1.07	-1.07	0	%100
67	M51	X	-.618	-.618	0	%100
68	M51	Z	-1.07	-1.07	0	%100
69	M52	X	-.711	-.711	0	%100
70	M52	Z	-1.231	-1.231	0	%100
71	M53	X	-1.588	-1.588	0	%100
72	M53	Z	-2.75	-2.75	0	%100
73	M54	X	-1.588	-1.588	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
74	M54	Z	-2.75	-2.75	0	%100
75	M46B	X	-1.656	-1.656	0	%100
76	M46B	Z	-2.868	-2.868	0	%100
77	M47B	X	-.317	-.317	0	%100
78	M47B	Z	-.549	-.549	0	%100
79	MP2A	X	-1.375	-1.375	0	%100
80	MP2A	Z	-2.381	-2.381	0	%100
81	MP3A	X	-1.375	-1.375	0	%100
82	MP3A	Z	-2.381	-2.381	0	%100
83	MP4A	X	-1.375	-1.375	0	%100
84	MP4A	Z	-2.381	-2.381	0	%100
85	MP5A	X	-1.375	-1.375	0	%100
86	MP5A	Z	-2.381	-2.381	0	%100
87	M62	X	-1.361	-1.361	0	%100
88	M62	Z	-2.357	-2.357	0	%100
89	M63	X	-.278	-.278	0	%100
90	M63	Z	-.482	-.482	0	%100
91	M64	X	-1.851	-1.851	0	%100
92	M64	Z	-3.207	-3.207	0	%100
93	M65	X	-.456	-.456	0	%100
94	M65	Z	-.79	-.79	0	%100
95	M66	X	-1.897	-1.897	0	%100
96	M66	Z	-3.285	-3.285	0	%100
97	M67	X	-.613	-.613	0	%100
98	M67	Z	-1.061	-1.061	0	%100
99	M68	X	-1.141	-1.141	0	%100
100	M68	Z	-1.976	-1.976	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	-.501	-.501	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.501	-.501	0	%100
5	MP1A	X	0	0	0	%100
6	MP1A	Z	-.501	-.501	0	%100
7	M17	X	0	0	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	0	0	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	-.105	-.105	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	-.105	-.105	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	-.057	-.057	0	%100
17	M23	X	0	0	0	%100
18	M23	Z	-.057	-.057	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	-.057	-.057	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	-.057	-.057	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	-.129	-.129	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	-.129	-.129	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	-.129	-.129	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
29	M29	X	0	0	0	%100
30	M29	Z	-.129	-.129	0	%100
31	M37	X	0	0	0	%100
32	M37	Z	0	0	0	%100
33	M38	X	0	0	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	-.105	-.105	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	-.105	-.105	0	%100
39	M42	X	0	0	0	%100
40	M42	Z	-.057	-.057	0	%100
41	M43	X	0	0	0	%100
42	M43	Z	-.057	-.057	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	-.057	-.057	0	%100
45	M45	X	0	0	0	%100
46	M45	Z	-.057	-.057	0	%100
47	M46	X	0	0	0	%100
48	M46	Z	-.129	-.129	0	%100
49	M47	X	0	0	0	%100
50	M47	Z	-.129	-.129	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-.129	-.129	0	%100
53	M49	X	0	0	0	%100
54	M49	Z	-.129	-.129	0	%100
55	M45A	X	0	0	0	%100
56	M45A	Z	-.132	-.132	0	%100
57	M46A	X	0	0	0	%100
58	M46A	Z	-.122	-.122	0	%100
59	M47A	X	0	0	0	%100
60	M47A	Z	-.122	-.122	0	%100
61	M48A	X	0	0	0	%100
62	M48A	Z	-.132	-.132	0	%100
63	M49A	X	0	0	0	%100
64	M49A	Z	-.132	-.132	0	%100
65	M50	X	0	0	0	%100
66	M50	Z	-.122	-.122	0	%100
67	M51	X	0	0	0	%100
68	M51	Z	-.122	-.122	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	-.132	-.132	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	-.654	-.654	0	%100
73	M54	X	0	0	0	%100
74	M54	Z	-.654	-.654	0	%100
75	M46B	X	0	0	0	%100
76	M46B	Z	-.453	-.453	0	%100
77	M47B	X	0	0	0	%100
78	M47B	Z	-.352	-.352	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	-.501	-.501	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-.501	-.501	0	%100
83	MP4A	X	0	0	0	%100
84	MP4A	Z	-.501	-.501	0	%100
85	MP5A	X	0	0	0	%100
86	MP5A	Z	-.501	-.501	0	%100
87	M62	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
88	M62	Z	-.33	-.33	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	-.35	-.35	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	-.569	-.569	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	-.647	-.647	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	-.647	-.647	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	-.692	-.692	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	-.607	-.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	.188	.188	0	%100
2	M1	Z	-.325	-.325	0	%100
3	M2	X	.188	.188	0	%100
4	M2	Z	-.325	-.325	0	%100
5	MP1A	X	.251	.251	0	%100
6	MP1A	Z	-.434	-.434	0	%100
7	M17	X	.013	.013	0	%100
8	M17	Z	-.023	-.023	0	%100
9	M18	X	.013	.013	0	%100
10	M18	Z	-.023	-.023	0	%100
11	M21A	X	.04	.04	0	%100
12	M21A	Z	-.069	-.069	0	%100
13	M22A	X	.04	.04	0	%100
14	M22A	Z	-.069	-.069	0	%100
15	M22	X	.004	.004	0	%100
16	M22	Z	-.007	-.007	0	%100
17	M23	X	.052	.052	0	%100
18	M23	Z	-.09	-.09	0	%100
19	M24	X	.004	.004	0	%100
20	M24	Z	-.007	-.007	0	%100
21	M25	X	.052	.052	0	%100
22	M25	Z	-.09	-.09	0	%100
23	M26	X	.009	.009	0	%100
24	M26	Z	-.016	-.016	0	%100
25	M27	X	.118	.118	0	%100
26	M27	Z	-.204	-.204	0	%100
27	M28	X	.009	.009	0	%100
28	M28	Z	-.016	-.016	0	%100
29	M29	X	.118	.118	0	%100
30	M29	Z	-.204	-.204	0	%100
31	M37	X	.013	.013	0	%100
32	M37	Z	-.023	-.023	0	%100
33	M38	X	.013	.013	0	%100
34	M38	Z	-.023	-.023	0	%100
35	M39	X	.04	.04	0	%100
36	M39	Z	-.069	-.069	0	%100
37	M40	X	.04	.04	0	%100
38	M40	Z	-.069	-.069	0	%100
39	M42	X	.004	.004	0	%100
40	M42	Z	-.007	-.007	0	%100
41	M43	X	.052	.052	0	%100
42	M43	Z	-.09	-.09	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
43	M44	X	.004	.004	0	%100
44	M44	Z	-.007	-.007	0	%100
45	M45	X	.052	.052	0	%100
46	M45	Z	-.09	-.09	0	%100
47	M46	X	.009	.009	0	%100
48	M46	Z	-.016	-.016	0	%100
49	M47	X	.118	.118	0	%100
50	M47	Z	-.204	-.204	0	%100
51	M48	X	.009	.009	0	%100
52	M48	Z	-.016	-.016	0	%100
53	M49	X	.118	.118	0	%100
54	M49	Z	-.204	-.204	0	%100
55	M45A	X	.066	.066	0	%100
56	M45A	Z	-.114	-.114	0	%100
57	M46A	X	.056	.056	0	%100
58	M46A	Z	-.097	-.097	0	%100
59	M47A	X	.056	.056	0	%100
60	M47A	Z	-.097	-.097	0	%100
61	M48A	X	.066	.066	0	%100
62	M48A	Z	-.114	-.114	0	%100
63	M49A	X	.066	.066	0	%100
64	M49A	Z	-.114	-.114	0	%100
65	M50	X	.065	.065	0	%100
66	M50	Z	-.113	-.113	0	%100
67	M51	X	.065	.065	0	%100
68	M51	Z	-.113	-.113	0	%100
69	M52	X	.066	.066	0	%100
70	M52	Z	-.114	-.114	0	%100
71	M53	X	.327	.327	0	%100
72	M53	Z	-.567	-.567	0	%100
73	M54	X	.327	.327	0	%100
74	M54	Z	-.567	-.567	0	%100
75	M46B	X	.079	.079	0	%100
76	M46B	Z	-.137	-.137	0	%100
77	M47B	X	.334	.334	0	%100
78	M47B	Z	-.578	-.578	0	%100
79	MP2A	X	.251	.251	0	%100
80	MP2A	Z	-.434	-.434	0	%100
81	MP3A	X	.251	.251	0	%100
82	MP3A	Z	-.434	-.434	0	%100
83	MP4A	X	.251	.251	0	%100
84	MP4A	Z	-.434	-.434	0	%100
85	MP5A	X	.251	.251	0	%100
86	MP5A	Z	-.434	-.434	0	%100
87	M62	X	.042	.042	0	%100
88	M62	Z	-.073	-.073	0	%100
89	M63	X	.25	.25	0	%100
90	M63	Z	-.432	-.432	0	%100
91	M64	X	.077	.077	0	%100
92	M64	Z	-.133	-.133	0	%100
93	M65	X	.439	.439	0	%100
94	M65	Z	-.761	-.761	0	%100
95	M66	X	.124	.124	0	%100
96	M66	Z	-.214	-.214	0	%100
97	M67	X	.439	.439	0	%100
98	M67	Z	-.761	-.761	0	%100
99	M68	X	.227	.227	0	%100
100	M68	Z	-.394	-.394	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	.108	.108	0	%100
2	M1	Z	-.063	-.063	0	%100
3	M2	X	.108	.108	0	%100
4	M2	Z	-.063	-.063	0	%100
5	MP1A	X	.434	.434	0	%100
6	MP1A	Z	-.251	-.251	0	%100
7	M17	X	.069	.069	0	%100
8	M17	Z	-.04	-.04	0	%100
9	M18	X	.069	.069	0	%100
10	M18	Z	-.04	-.04	0	%100
11	M21A	X	.023	.023	0	%100
12	M21A	Z	-.013	-.013	0	%100
13	M22A	X	.023	.023	0	%100
14	M22A	Z	-.013	-.013	0	%100
15	M22	X	.006	.006	0	%100
16	M22	Z	-.003	-.003	0	%100
17	M23	X	.089	.089	0	%100
18	M23	Z	-.051	-.051	0	%100
19	M24	X	.006	.006	0	%100
20	M24	Z	-.003	-.003	0	%100
21	M25	X	.089	.089	0	%100
22	M25	Z	-.051	-.051	0	%100
23	M26	X	.013	.013	0	%100
24	M26	Z	-.008	-.008	0	%100
25	M27	X	.201	.201	0	%100
26	M27	Z	-.116	-.116	0	%100
27	M28	X	.013	.013	0	%100
28	M28	Z	-.008	-.008	0	%100
29	M29	X	.201	.201	0	%100
30	M29	Z	-.116	-.116	0	%100
31	M37	X	.069	.069	0	%100
32	M37	Z	-.04	-.04	0	%100
33	M38	X	.069	.069	0	%100
34	M38	Z	-.04	-.04	0	%100
35	M39	X	.023	.023	0	%100
36	M39	Z	-.013	-.013	0	%100
37	M40	X	.023	.023	0	%100
38	M40	Z	-.013	-.013	0	%100
39	M42	X	.006	.006	0	%100
40	M42	Z	-.003	-.003	0	%100
41	M43	X	.089	.089	0	%100
42	M43	Z	-.051	-.051	0	%100
43	M44	X	.006	.006	0	%100
44	M44	Z	-.003	-.003	0	%100
45	M45	X	.089	.089	0	%100
46	M45	Z	-.051	-.051	0	%100
47	M46	X	.013	.013	0	%100
48	M46	Z	-.008	-.008	0	%100
49	M47	X	.201	.201	0	%100
50	M47	Z	-.116	-.116	0	%100
51	M48	X	.013	.013	0	%100
52	M48	Z	-.008	-.008	0	%100
53	M49	X	.201	.201	0	%100
54	M49	Z	-.116	-.116	0	%100
55	M45A	X	.114	.114	0	%100
56	M45A	Z	-.066	-.066	0	%100
57	M46A	X	.097	.097	0	%100
58	M46A	Z	-.056	-.056	0	%100
59	M47A	X	.097	.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
60	M47A	Z	-.056	-.056	0	%100
61	M48A	X	.114	.114	0	%100
62	M48A	Z	-.066	-.066	0	%100
63	M49A	X	.114	.114	0	%100
64	M49A	Z	-.066	-.066	0	%100
65	M50	X	.113	.113	0	%100
66	M50	Z	-.065	-.065	0	%100
67	M51	X	.113	.113	0	%100
68	M51	Z	-.065	-.065	0	%100
69	M52	X	.114	.114	0	%100
70	M52	Z	-.066	-.066	0	%100
71	M53	X	.567	.567	0	%100
72	M53	Z	-.327	-.327	0	%100
73	M54	X	.567	.567	0	%100
74	M54	Z	-.327	-.327	0	%100
75	M46B	X	.148	.148	0	%100
76	M46B	Z	-.085	-.085	0	%100
77	M47B	X	.673	.673	0	%100
78	M47B	Z	-.388	-.388	0	%100
79	MP2A	X	.434	.434	0	%100
80	MP2A	Z	-.251	-.251	0	%100
81	MP3A	X	.434	.434	0	%100
82	MP3A	Z	-.251	-.251	0	%100
83	MP4A	X	.434	.434	0	%100
84	MP4A	Z	-.251	-.251	0	%100
85	MP5A	X	.434	.434	0	%100
86	MP5A	Z	-.251	-.251	0	%100
87	M62	X	.004	.004	0	%100
88	M62	Z	-.003	-.003	0	%100
89	M63	X	.346	.346	0	%100
90	M63	Z	-.2	-.2	0	%100
91	M64	X	.015	.015	0	%100
92	M64	Z	-.009	-.009	0	%100
93	M65	X	.585	.585	0	%100
94	M65	Z	-.338	-.338	0	%100
95	M66	X	.067	.067	0	%100
96	M66	Z	-.039	-.039	0	%100
97	M67	X	.569	.569	0	%100
98	M67	Z	-.328	-.328	0	%100
99	M68	X	.131	.131	0	%100
100	M68	Z	-.076	-.076	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP1A	X	.501	.501	0	%100
6	MP1A	Z	0	0	0	%100
7	M17	X	.105	.105	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	.105	.105	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	0	0	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
15	M22	X	.054	.054	0	%100
16	M22	Z	0	0	0	%100
17	M23	X	.054	.054	0	%100
18	M23	Z	0	0	0	%100
19	M24	X	.054	.054	0	%100
20	M24	Z	0	0	0	%100
21	M25	X	.054	.054	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	.122	.122	0	%100
24	M26	Z	0	0	0	%100
25	M27	X	.122	.122	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	.122	.122	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	.122	.122	0	%100
30	M29	Z	0	0	0	%100
31	M37	X	.105	.105	0	%100
32	M37	Z	0	0	0	%100
33	M38	X	.105	.105	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	0	0	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M42	X	.054	.054	0	%100
40	M42	Z	0	0	0	%100
41	M43	X	.054	.054	0	%100
42	M43	Z	0	0	0	%100
43	M44	X	.054	.054	0	%100
44	M44	Z	0	0	0	%100
45	M45	X	.054	.054	0	%100
46	M45	Z	0	0	0	%100
47	M46	X	.122	.122	0	%100
48	M46	Z	0	0	0	%100
49	M47	X	.122	.122	0	%100
50	M47	Z	0	0	0	%100
51	M48	X	.122	.122	0	%100
52	M48	Z	0	0	0	%100
53	M49	X	.122	.122	0	%100
54	M49	Z	0	0	0	%100
55	M45A	X	.132	.132	0	%100
56	M45A	Z	0	0	0	%100
57	M46A	X	.121	.121	0	%100
58	M46A	Z	0	0	0	%100
59	M47A	X	.121	.121	0	%100
60	M47A	Z	0	0	0	%100
61	M48A	X	.132	.132	0	%100
62	M48A	Z	0	0	0	%100
63	M49A	X	.132	.132	0	%100
64	M49A	Z	0	0	0	%100
65	M50	X	.121	.121	0	%100
66	M50	Z	0	0	0	%100
67	M51	X	.121	.121	0	%100
68	M51	Z	0	0	0	%100
69	M52	X	.132	.132	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	.654	.654	0	%100
72	M53	Z	0	0	0	%100
73	M54	X	.654	.654	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
74	M54	Z	0	0	0	%100
75	M46B	X	.478	.478	0	%100
76	M46B	Z	0	0	0	%100
77	M47B	X	.571	.571	0	%100
78	M47B	Z	0	0	0	%100
79	MP2A	X	.501	.501	0	%100
80	MP2A	Z	0	0	0	%100
81	MP3A	X	.501	.501	0	%100
82	MP3A	Z	0	0	0	%100
83	MP4A	X	.501	.501	0	%100
84	MP4A	Z	0	0	0	%100
85	MP5A	X	.501	.501	0	%100
86	MP5A	Z	0	0	0	%100
87	M62	X	.171	.171	0	%100
88	M62	Z	0	0	0	%100
89	M63	X	.151	.151	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	.297	.297	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	.24	.24	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	.307	.307	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	.249	.249	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	.108	.108	0	%100
2	M1	Z	.063	.063	0	%100
3	M2	X	.108	.108	0	%100
4	M2	Z	.063	.063	0	%100
5	MP1A	X	.434	.434	0	%100
6	MP1A	Z	.251	.251	0	%100
7	M17	X	.069	.069	0	%100
8	M17	Z	.04	.04	0	%100
9	M18	X	.069	.069	0	%100
10	M18	Z	.04	.04	0	%100
11	M21A	X	.023	.023	0	%100
12	M21A	Z	.013	.013	0	%100
13	M22A	X	.023	.023	0	%100
14	M22A	Z	.013	.013	0	%100
15	M22	X	.089	.089	0	%100
16	M22	Z	.051	.051	0	%100
17	M23	X	.006	.006	0	%100
18	M23	Z	.003	.003	0	%100
19	M24	X	.089	.089	0	%100
20	M24	Z	.051	.051	0	%100
21	M25	X	.006	.006	0	%100
22	M25	Z	.003	.003	0	%100
23	M26	X	.201	.201	0	%100
24	M26	Z	.116	.116	0	%100
25	M27	X	.013	.013	0	%100
26	M27	Z	.008	.008	0	%100
27	M28	X	.201	.201	0	%100
28	M28	Z	.116	.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
29	M29	X	.013	.013	0	%100
30	M29	Z	.008	.008	0	%100
31	M37	X	.069	.069	0	%100
32	M37	Z	.04	.04	0	%100
33	M38	X	.069	.069	0	%100
34	M38	Z	.04	.04	0	%100
35	M39	X	.023	.023	0	%100
36	M39	Z	.013	.013	0	%100
37	M40	X	.023	.023	0	%100
38	M40	Z	.013	.013	0	%100
39	M42	X	.089	.089	0	%100
40	M42	Z	.051	.051	0	%100
41	M43	X	.006	.006	0	%100
42	M43	Z	.003	.003	0	%100
43	M44	X	.089	.089	0	%100
44	M44	Z	.051	.051	0	%100
45	M45	X	.006	.006	0	%100
46	M45	Z	.003	.003	0	%100
47	M46	X	.201	.201	0	%100
48	M46	Z	.116	.116	0	%100
49	M47	X	.013	.013	0	%100
50	M47	Z	.008	.008	0	%100
51	M48	X	.201	.201	0	%100
52	M48	Z	.116	.116	0	%100
53	M49	X	.013	.013	0	%100
54	M49	Z	.008	.008	0	%100
55	M45A	X	.114	.114	0	%100
56	M45A	Z	.066	.066	0	%100
57	M46A	X	.113	.113	0	%100
58	M46A	Z	.065	.065	0	%100
59	M47A	X	.113	.113	0	%100
60	M47A	Z	.065	.065	0	%100
61	M48A	X	.114	.114	0	%100
62	M48A	Z	.066	.066	0	%100
63	M49A	X	.114	.114	0	%100
64	M49A	Z	.066	.066	0	%100
65	M50	X	.097	.097	0	%100
66	M50	Z	.056	.056	0	%100
67	M51	X	.097	.097	0	%100
68	M51	Z	.056	.056	0	%100
69	M52	X	.114	.114	0	%100
70	M52	Z	.066	.066	0	%100
71	M53	X	.567	.567	0	%100
72	M53	Z	.327	.327	0	%100
73	M54	X	.567	.567	0	%100
74	M54	Z	.327	.327	0	%100
75	M46B	X	.669	.669	0	%100
76	M46B	Z	.386	.386	0	%100
77	M47B	X	.221	.221	0	%100
78	M47B	Z	.128	.128	0	%100
79	MP2A	X	.434	.434	0	%100
80	MP2A	Z	.251	.251	0	%100
81	MP3A	X	.434	.434	0	%100
82	MP3A	Z	.251	.251	0	%100
83	MP4A	X	.434	.434	0	%100
84	MP4A	Z	.251	.251	0	%100
85	MP5A	X	.434	.434	0	%100
86	MP5A	Z	.251	.251	0	%100
87	M62	X	.361	.361	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
88	M62	Z	.208	.208	0	%100
89	M63	X	.001	.001	0	%100
90	M63	Z	.00081	.00081	0	%100
91	M64	X	.617	.617	0	%100
92	M64	Z	.356	.356	0	%100
93	M65	X	.007	.007	0	%100
94	M65	Z	.004	.004	0	%100
95	M66	X	.613	.613	0	%100
96	M66	Z	.354	.354	0	%100
97	M67	X	.054	.054	0	%100
98	M67	Z	.031	.031	0	%100
99	M68	X	.131	.131	0	%100
100	M68	Z	.076	.076	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	.188	.188	0	%100
2	M1	Z	.325	.325	0	%100
3	M2	X	.188	.188	0	%100
4	M2	Z	.325	.325	0	%100
5	MP1A	X	.251	.251	0	%100
6	MP1A	Z	.434	.434	0	%100
7	M17	X	.013	.013	0	%100
8	M17	Z	.023	.023	0	%100
9	M18	X	.013	.013	0	%100
10	M18	Z	.023	.023	0	%100
11	M21A	X	.04	.04	0	%100
12	M21A	Z	.069	.069	0	%100
13	M22A	X	.04	.04	0	%100
14	M22A	Z	.069	.069	0	%100
15	M22	X	.052	.052	0	%100
16	M22	Z	.09	.09	0	%100
17	M23	X	.004	.004	0	%100
18	M23	Z	.007	.007	0	%100
19	M24	X	.052	.052	0	%100
20	M24	Z	.09	.09	0	%100
21	M25	X	.004	.004	0	%100
22	M25	Z	.007	.007	0	%100
23	M26	X	.118	.118	0	%100
24	M26	Z	.204	.204	0	%100
25	M27	X	.009	.009	0	%100
26	M27	Z	.016	.016	0	%100
27	M28	X	.118	.118	0	%100
28	M28	Z	.204	.204	0	%100
29	M29	X	.009	.009	0	%100
30	M29	Z	.016	.016	0	%100
31	M37	X	.013	.013	0	%100
32	M37	Z	.023	.023	0	%100
33	M38	X	.013	.013	0	%100
34	M38	Z	.023	.023	0	%100
35	M39	X	.04	.04	0	%100
36	M39	Z	.069	.069	0	%100
37	M40	X	.04	.04	0	%100
38	M40	Z	.069	.069	0	%100
39	M42	X	.052	.052	0	%100
40	M42	Z	.09	.09	0	%100
41	M43	X	.004	.004	0	%100
42	M43	Z	.007	.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
43	M44	X	.052	.052	0	%100
44	M44	Z	.09	.09	0	%100
45	M45	X	.004	.004	0	%100
46	M45	Z	.007	.007	0	%100
47	M46	X	.118	.118	0	%100
48	M46	Z	.204	.204	0	%100
49	M47	X	.009	.009	0	%100
50	M47	Z	.016	.016	0	%100
51	M48	X	.118	.118	0	%100
52	M48	Z	.204	.204	0	%100
53	M49	X	.009	.009	0	%100
54	M49	Z	.016	.016	0	%100
55	M45A	X	.066	.066	0	%100
56	M45A	Z	.114	.114	0	%100
57	M46A	X	.065	.065	0	%100
58	M46A	Z	.113	.113	0	%100
59	M47A	X	.065	.065	0	%100
60	M47A	Z	.113	.113	0	%100
61	M48A	X	.066	.066	0	%100
62	M48A	Z	.114	.114	0	%100
63	M49A	X	.066	.066	0	%100
64	M49A	Z	.114	.114	0	%100
65	M50	X	.056	.056	0	%100
66	M50	Z	.097	.097	0	%100
67	M51	X	.056	.056	0	%100
68	M51	Z	.097	.097	0	%100
69	M52	X	.066	.066	0	%100
70	M52	Z	.114	.114	0	%100
71	M53	X	.327	.327	0	%100
72	M53	Z	.567	.567	0	%100
73	M54	X	.327	.327	0	%100
74	M54	Z	.567	.567	0	%100
75	M46B	X	.38	.38	0	%100
76	M46B	Z	.658	.658	0	%100
77	M47B	X	.073	.073	0	%100
78	M47B	Z	.126	.126	0	%100
79	MP2A	X	.251	.251	0	%100
80	MP2A	Z	.434	.434	0	%100
81	MP3A	X	.251	.251	0	%100
82	MP3A	Z	.434	.434	0	%100
83	MP4A	X	.251	.251	0	%100
84	MP4A	Z	.434	.434	0	%100
85	MP5A	X	.251	.251	0	%100
86	MP5A	Z	.434	.434	0	%100
87	M62	X	.248	.248	0	%100
88	M62	Z	.43	.43	0	%100
89	M63	X	.051	.051	0	%100
90	M63	Z	.088	.088	0	%100
91	M64	X	.424	.424	0	%100
92	M64	Z	.735	.735	0	%100
93	M65	X	.106	.106	0	%100
94	M65	Z	.183	.183	0	%100
95	M66	X	.439	.439	0	%100
96	M66	Z	.76	.76	0	%100
97	M67	X	.142	.142	0	%100
98	M67	Z	.246	.246	0	%100
99	M68	X	.227	.227	0	%100
100	M68	Z	.394	.394	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	.501	.501	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.501	.501	0	%100
5	MP1A	X	0	0	0	%100
6	MP1A	Z	.501	.501	0	%100
7	M17	X	0	0	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	0	0	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	.105	.105	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	.105	.105	0	%100
15	M22	X	0	0	0	%100
16	M22	Z	.057	.057	0	%100
17	M23	X	0	0	0	%100
18	M23	Z	.057	.057	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	.057	.057	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	.057	.057	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	.129	.129	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	.129	.129	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	.129	.129	0	%100
29	M29	X	0	0	0	%100
30	M29	Z	.129	.129	0	%100
31	M37	X	0	0	0	%100
32	M37	Z	0	0	0	%100
33	M38	X	0	0	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	.105	.105	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	.105	.105	0	%100
39	M42	X	0	0	0	%100
40	M42	Z	.057	.057	0	%100
41	M43	X	0	0	0	%100
42	M43	Z	.057	.057	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	.057	.057	0	%100
45	M45	X	0	0	0	%100
46	M45	Z	.057	.057	0	%100
47	M46	X	0	0	0	%100
48	M46	Z	.129	.129	0	%100
49	M47	X	0	0	0	%100
50	M47	Z	.129	.129	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	.129	.129	0	%100
53	M49	X	0	0	0	%100
54	M49	Z	.129	.129	0	%100
55	M45A	X	0	0	0	%100
56	M45A	Z	.132	.132	0	%100
57	M46A	X	0	0	0	%100
58	M46A	Z	.122	.122	0	%100
59	M47A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
60	M47A	Z	.122	.122	0	%100
61	M48A	X	0	0	0	%100
62	M48A	Z	.132	.132	0	%100
63	M49A	X	0	0	0	%100
64	M49A	Z	.132	.132	0	%100
65	M50	X	0	0	0	%100
66	M50	Z	.122	.122	0	%100
67	M51	X	0	0	0	%100
68	M51	Z	.122	.122	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	.132	.132	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	.654	.654	0	%100
73	M54	X	0	0	0	%100
74	M54	Z	.654	.654	0	%100
75	M46B	X	0	0	0	%100
76	M46B	Z	.453	.453	0	%100
77	M47B	X	0	0	0	%100
78	M47B	Z	.352	.352	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	.501	.501	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	.501	.501	0	%100
83	MP4A	X	0	0	0	%100
84	MP4A	Z	.501	.501	0	%100
85	MP5A	X	0	0	0	%100
86	MP5A	Z	.501	.501	0	%100
87	M62	X	0	0	0	%100
88	M62	Z	.33	.33	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	.35	.35	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	.569	.569	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	.647	.647	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	.647	.647	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	.692	.692	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	.607	.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	-.188	-.188	0	%100
2	M1	Z	.325	.325	0	%100
3	M2	X	-.188	-.188	0	%100
4	M2	Z	.325	.325	0	%100
5	MP1A	X	-.251	-.251	0	%100
6	MP1A	Z	.434	.434	0	%100
7	M17	X	-.013	-.013	0	%100
8	M17	Z	.023	.023	0	%100
9	M18	X	-.013	-.013	0	%100
10	M18	Z	.023	.023	0	%100
11	M21A	X	-.04	-.04	0	%100
12	M21A	Z	.069	.069	0	%100
13	M22A	X	-.04	-.04	0	%100
14	M22A	Z	.069	.069	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
15	M22	X	-.004	-.004	0	%100
16	M22	Z	.007	.007	0	%100
17	M23	X	-.052	-.052	0	%100
18	M23	Z	.09	.09	0	%100
19	M24	X	-.004	-.004	0	%100
20	M24	Z	.007	.007	0	%100
21	M25	X	-.052	-.052	0	%100
22	M25	Z	.09	.09	0	%100
23	M26	X	-.009	-.009	0	%100
24	M26	Z	.016	.016	0	%100
25	M27	X	-.118	-.118	0	%100
26	M27	Z	.204	.204	0	%100
27	M28	X	-.009	-.009	0	%100
28	M28	Z	.016	.016	0	%100
29	M29	X	-.118	-.118	0	%100
30	M29	Z	.204	.204	0	%100
31	M37	X	-.013	-.013	0	%100
32	M37	Z	.023	.023	0	%100
33	M38	X	-.013	-.013	0	%100
34	M38	Z	.023	.023	0	%100
35	M39	X	-.04	-.04	0	%100
36	M39	Z	.069	.069	0	%100
37	M40	X	-.04	-.04	0	%100
38	M40	Z	.069	.069	0	%100
39	M42	X	-.004	-.004	0	%100
40	M42	Z	.007	.007	0	%100
41	M43	X	-.052	-.052	0	%100
42	M43	Z	.09	.09	0	%100
43	M44	X	-.004	-.004	0	%100
44	M44	Z	.007	.007	0	%100
45	M45	X	-.052	-.052	0	%100
46	M45	Z	.09	.09	0	%100
47	M46	X	-.009	-.009	0	%100
48	M46	Z	.016	.016	0	%100
49	M47	X	-.118	-.118	0	%100
50	M47	Z	.204	.204	0	%100
51	M48	X	-.009	-.009	0	%100
52	M48	Z	.016	.016	0	%100
53	M49	X	-.118	-.118	0	%100
54	M49	Z	.204	.204	0	%100
55	M45A	X	-.066	-.066	0	%100
56	M45A	Z	.114	.114	0	%100
57	M46A	X	-.056	-.056	0	%100
58	M46A	Z	.097	.097	0	%100
59	M47A	X	-.056	-.056	0	%100
60	M47A	Z	.097	.097	0	%100
61	M48A	X	-.066	-.066	0	%100
62	M48A	Z	.114	.114	0	%100
63	M49A	X	-.066	-.066	0	%100
64	M49A	Z	.114	.114	0	%100
65	M50	X	-.065	-.065	0	%100
66	M50	Z	.113	.113	0	%100
67	M51	X	-.065	-.065	0	%100
68	M51	Z	.113	.113	0	%100
69	M52	X	-.066	-.066	0	%100
70	M52	Z	.114	.114	0	%100
71	M53	X	-.327	-.327	0	%100
72	M53	Z	.567	.567	0	%100
73	M54	X	-.327	-.327	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
74	M54	Z	.567	.567	0	%100
75	M46B	X	-.079	-.079	0	%100
76	M46B	Z	.137	.137	0	%100
77	M47B	X	-.334	-.334	0	%100
78	M47B	Z	.578	.578	0	%100
79	MP2A	X	-.251	-.251	0	%100
80	MP2A	Z	.434	.434	0	%100
81	MP3A	X	-.251	-.251	0	%100
82	MP3A	Z	.434	.434	0	%100
83	MP4A	X	-.251	-.251	0	%100
84	MP4A	Z	.434	.434	0	%100
85	MP5A	X	-.251	-.251	0	%100
86	MP5A	Z	.434	.434	0	%100
87	M62	X	-.042	-.042	0	%100
88	M62	Z	.073	.073	0	%100
89	M63	X	-.25	-.25	0	%100
90	M63	Z	.432	.432	0	%100
91	M64	X	-.077	-.077	0	%100
92	M64	Z	.133	.133	0	%100
93	M65	X	-.439	-.439	0	%100
94	M65	Z	.761	.761	0	%100
95	M66	X	-.124	-.124	0	%100
96	M66	Z	.214	.214	0	%100
97	M67	X	-.439	-.439	0	%100
98	M67	Z	.761	.761	0	%100
99	M68	X	-.227	-.227	0	%100
100	M68	Z	.394	.394	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	-.108	-.108	0	%100
2	M1	Z	.063	.063	0	%100
3	M2	X	-.108	-.108	0	%100
4	M2	Z	.063	.063	0	%100
5	MP1A	X	-.434	-.434	0	%100
6	MP1A	Z	.251	.251	0	%100
7	M17	X	-.069	-.069	0	%100
8	M17	Z	.04	.04	0	%100
9	M18	X	-.069	-.069	0	%100
10	M18	Z	.04	.04	0	%100
11	M21A	X	-.023	-.023	0	%100
12	M21A	Z	.013	.013	0	%100
13	M22A	X	-.023	-.023	0	%100
14	M22A	Z	.013	.013	0	%100
15	M22	X	-.006	-.006	0	%100
16	M22	Z	.003	.003	0	%100
17	M23	X	-.089	-.089	0	%100
18	M23	Z	.051	.051	0	%100
19	M24	X	-.006	-.006	0	%100
20	M24	Z	.003	.003	0	%100
21	M25	X	-.089	-.089	0	%100
22	M25	Z	.051	.051	0	%100
23	M26	X	-.013	-.013	0	%100
24	M26	Z	.008	.008	0	%100
25	M27	X	-.201	-.201	0	%100
26	M27	Z	.116	.116	0	%100
27	M28	X	-.013	-.013	0	%100
28	M28	Z	.008	.008	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
29	M29	X	-.201	-.201	0	%100
30	M29	Z	.116	.116	0	%100
31	M37	X	-.069	-.069	0	%100
32	M37	Z	.04	.04	0	%100
33	M38	X	-.069	-.069	0	%100
34	M38	Z	.04	.04	0	%100
35	M39	X	-.023	-.023	0	%100
36	M39	Z	.013	.013	0	%100
37	M40	X	-.023	-.023	0	%100
38	M40	Z	.013	.013	0	%100
39	M42	X	-.006	-.006	0	%100
40	M42	Z	.003	.003	0	%100
41	M43	X	-.089	-.089	0	%100
42	M43	Z	.051	.051	0	%100
43	M44	X	-.006	-.006	0	%100
44	M44	Z	.003	.003	0	%100
45	M45	X	-.089	-.089	0	%100
46	M45	Z	.051	.051	0	%100
47	M46	X	-.013	-.013	0	%100
48	M46	Z	.008	.008	0	%100
49	M47	X	-.201	-.201	0	%100
50	M47	Z	.116	.116	0	%100
51	M48	X	-.013	-.013	0	%100
52	M48	Z	.008	.008	0	%100
53	M49	X	-.201	-.201	0	%100
54	M49	Z	.116	.116	0	%100
55	M45A	X	-.114	-.114	0	%100
56	M45A	Z	.066	.066	0	%100
57	M46A	X	-.097	-.097	0	%100
58	M46A	Z	.056	.056	0	%100
59	M47A	X	-.097	-.097	0	%100
60	M47A	Z	.056	.056	0	%100
61	M48A	X	-.114	-.114	0	%100
62	M48A	Z	.066	.066	0	%100
63	M49A	X	-.114	-.114	0	%100
64	M49A	Z	.066	.066	0	%100
65	M50	X	-.113	-.113	0	%100
66	M50	Z	.065	.065	0	%100
67	M51	X	-.113	-.113	0	%100
68	M51	Z	.065	.065	0	%100
69	M52	X	-.114	-.114	0	%100
70	M52	Z	.066	.066	0	%100
71	M53	X	-.567	-.567	0	%100
72	M53	Z	.327	.327	0	%100
73	M54	X	-.567	-.567	0	%100
74	M54	Z	.327	.327	0	%100
75	M46B	X	-.148	-.148	0	%100
76	M46B	Z	.085	.085	0	%100
77	M47B	X	-.673	-.673	0	%100
78	M47B	Z	.388	.388	0	%100
79	MP2A	X	-.434	-.434	0	%100
80	MP2A	Z	.251	.251	0	%100
81	MP3A	X	-.434	-.434	0	%100
82	MP3A	Z	.251	.251	0	%100
83	MP4A	X	-.434	-.434	0	%100
84	MP4A	Z	.251	.251	0	%100
85	MP5A	X	-.434	-.434	0	%100
86	MP5A	Z	.251	.251	0	%100
87	M62	X	-.004	-.004	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
88	M62	Z	.003	.003	0	%100
89	M63	X	-.346	-.346	0	%100
90	M63	Z	.2	.2	0	%100
91	M64	X	-.015	-.015	0	%100
92	M64	Z	.009	.009	0	%100
93	M65	X	-.585	-.585	0	%100
94	M65	Z	.338	.338	0	%100
95	M66	X	-.067	-.067	0	%100
96	M66	Z	.039	.039	0	%100
97	M67	X	-.569	-.569	0	%100
98	M67	Z	.328	.328	0	%100
99	M68	X	-.131	-.131	0	%100
100	M68	Z	.076	.076	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP1A	X	-.501	-.501	0	%100
6	MP1A	Z	0	0	0	%100
7	M17	X	-.105	-.105	0	%100
8	M17	Z	0	0	0	%100
9	M18	X	-.105	-.105	0	%100
10	M18	Z	0	0	0	%100
11	M21A	X	0	0	0	%100
12	M21A	Z	0	0	0	%100
13	M22A	X	0	0	0	%100
14	M22A	Z	0	0	0	%100
15	M22	X	-.054	-.054	0	%100
16	M22	Z	0	0	0	%100
17	M23	X	-.054	-.054	0	%100
18	M23	Z	0	0	0	%100
19	M24	X	-.054	-.054	0	%100
20	M24	Z	0	0	0	%100
21	M25	X	-.054	-.054	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	-.122	-.122	0	%100
24	M26	Z	0	0	0	%100
25	M27	X	-.122	-.122	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	-.122	-.122	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	-.122	-.122	0	%100
30	M29	Z	0	0	0	%100
31	M37	X	-.105	-.105	0	%100
32	M37	Z	0	0	0	%100
33	M38	X	-.105	-.105	0	%100
34	M38	Z	0	0	0	%100
35	M39	X	0	0	0	%100
36	M39	Z	0	0	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M42	X	-.054	-.054	0	%100
40	M42	Z	0	0	0	%100
41	M43	X	-.054	-.054	0	%100
42	M43	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
43	M44	X	-.054	-.054	0	%100
44	M44	Z	0	0	0	%100
45	M45	X	-.054	-.054	0	%100
46	M45	Z	0	0	0	%100
47	M46	X	-.122	-.122	0	%100
48	M46	Z	0	0	0	%100
49	M47	X	-.122	-.122	0	%100
50	M47	Z	0	0	0	%100
51	M48	X	-.122	-.122	0	%100
52	M48	Z	0	0	0	%100
53	M49	X	-.122	-.122	0	%100
54	M49	Z	0	0	0	%100
55	M45A	X	-.132	-.132	0	%100
56	M45A	Z	0	0	0	%100
57	M46A	X	-.121	-.121	0	%100
58	M46A	Z	0	0	0	%100
59	M47A	X	-.121	-.121	0	%100
60	M47A	Z	0	0	0	%100
61	M48A	X	-.132	-.132	0	%100
62	M48A	Z	0	0	0	%100
63	M49A	X	-.132	-.132	0	%100
64	M49A	Z	0	0	0	%100
65	M50	X	-.121	-.121	0	%100
66	M50	Z	0	0	0	%100
67	M51	X	-.121	-.121	0	%100
68	M51	Z	0	0	0	%100
69	M52	X	-.132	-.132	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	-.654	-.654	0	%100
72	M53	Z	0	0	0	%100
73	M54	X	-.654	-.654	0	%100
74	M54	Z	0	0	0	%100
75	M46B	X	-.478	-.478	0	%100
76	M46B	Z	0	0	0	%100
77	M47B	X	-.571	-.571	0	%100
78	M47B	Z	0	0	0	%100
79	MP2A	X	-.501	-.501	0	%100
80	MP2A	Z	0	0	0	%100
81	MP3A	X	-.501	-.501	0	%100
82	MP3A	Z	0	0	0	%100
83	MP4A	X	-.501	-.501	0	%100
84	MP4A	Z	0	0	0	%100
85	MP5A	X	-.501	-.501	0	%100
86	MP5A	Z	0	0	0	%100
87	M62	X	-.171	-.171	0	%100
88	M62	Z	0	0	0	%100
89	M63	X	-.151	-.151	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-.297	-.297	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	-.24	-.24	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	-.307	-.307	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	-.249	-.249	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
1	M1	X	-.108	-.108	0	%100
2	M1	Z	-.063	-.063	0	%100
3	M2	X	-.108	-.108	0	%100
4	M2	Z	-.063	-.063	0	%100
5	MP1A	X	-.434	-.434	0	%100
6	MP1A	Z	-.251	-.251	0	%100
7	M17	X	-.069	-.069	0	%100
8	M17	Z	-.04	-.04	0	%100
9	M18	X	-.069	-.069	0	%100
10	M18	Z	-.04	-.04	0	%100
11	M21A	X	-.023	-.023	0	%100
12	M21A	Z	-.013	-.013	0	%100
13	M22A	X	-.023	-.023	0	%100
14	M22A	Z	-.013	-.013	0	%100
15	M22	X	-.089	-.089	0	%100
16	M22	Z	-.051	-.051	0	%100
17	M23	X	-.006	-.006	0	%100
18	M23	Z	-.003	-.003	0	%100
19	M24	X	-.089	-.089	0	%100
20	M24	Z	-.051	-.051	0	%100
21	M25	X	-.006	-.006	0	%100
22	M25	Z	-.003	-.003	0	%100
23	M26	X	-.201	-.201	0	%100
24	M26	Z	-.116	-.116	0	%100
25	M27	X	-.013	-.013	0	%100
26	M27	Z	-.008	-.008	0	%100
27	M28	X	-.201	-.201	0	%100
28	M28	Z	-.116	-.116	0	%100
29	M29	X	-.013	-.013	0	%100
30	M29	Z	-.008	-.008	0	%100
31	M37	X	-.069	-.069	0	%100
32	M37	Z	-.04	-.04	0	%100
33	M38	X	-.069	-.069	0	%100
34	M38	Z	-.04	-.04	0	%100
35	M39	X	-.023	-.023	0	%100
36	M39	Z	-.013	-.013	0	%100
37	M40	X	-.023	-.023	0	%100
38	M40	Z	-.013	-.013	0	%100
39	M42	X	-.089	-.089	0	%100
40	M42	Z	-.051	-.051	0	%100
41	M43	X	-.006	-.006	0	%100
42	M43	Z	-.003	-.003	0	%100
43	M44	X	-.089	-.089	0	%100
44	M44	Z	-.051	-.051	0	%100
45	M45	X	-.006	-.006	0	%100
46	M45	Z	-.003	-.003	0	%100
47	M46	X	-.201	-.201	0	%100
48	M46	Z	-.116	-.116	0	%100
49	M47	X	-.013	-.013	0	%100
50	M47	Z	-.008	-.008	0	%100
51	M48	X	-.201	-.201	0	%100
52	M48	Z	-.116	-.116	0	%100
53	M49	X	-.013	-.013	0	%100
54	M49	Z	-.008	-.008	0	%100
55	M45A	X	-.114	-.114	0	%100
56	M45A	Z	-.066	-.066	0	%100
57	M46A	X	-.113	-.113	0	%100
58	M46A	Z	-.065	-.065	0	%100
59	M47A	X	-.113	-.113	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
60	M47A	Z	-.065	-.065	0	%100
61	M48A	X	-.114	-.114	0	%100
62	M48A	Z	-.066	-.066	0	%100
63	M49A	X	-.114	-.114	0	%100
64	M49A	Z	-.066	-.066	0	%100
65	M50	X	-.097	-.097	0	%100
66	M50	Z	-.056	-.056	0	%100
67	M51	X	-.097	-.097	0	%100
68	M51	Z	-.056	-.056	0	%100
69	M52	X	-.114	-.114	0	%100
70	M52	Z	-.066	-.066	0	%100
71	M53	X	-.567	-.567	0	%100
72	M53	Z	-.327	-.327	0	%100
73	M54	X	-.567	-.567	0	%100
74	M54	Z	-.327	-.327	0	%100
75	M46B	X	-.669	-.669	0	%100
76	M46B	Z	-.386	-.386	0	%100
77	M47B	X	-.221	-.221	0	%100
78	M47B	Z	-.128	-.128	0	%100
79	MP2A	X	-.434	-.434	0	%100
80	MP2A	Z	-.251	-.251	0	%100
81	MP3A	X	-.434	-.434	0	%100
82	MP3A	Z	-.251	-.251	0	%100
83	MP4A	X	-.434	-.434	0	%100
84	MP4A	Z	-.251	-.251	0	%100
85	MP5A	X	-.434	-.434	0	%100
86	MP5A	Z	-.251	-.251	0	%100
87	M62	X	-.361	-.361	0	%100
88	M62	Z	-.208	-.208	0	%100
89	M63	X	-.001	-.001	0	%100
90	M63	Z	-.00081	-.00081	0	%100
91	M64	X	-.617	-.617	0	%100
92	M64	Z	-.356	-.356	0	%100
93	M65	X	-.007	-.007	0	%100
94	M65	Z	-.004	-.004	0	%100
95	M66	X	-.613	-.613	0	%100
96	M66	Z	-.354	-.354	0	%100
97	M67	X	-.054	-.054	0	%100
98	M67	Z	-.031	-.031	0	%100
99	M68	X	-.131	-.131	0	%100
100	M68	Z	-.076	-.076	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,..	End Location[ft,...
1	M1	X	-.188	-.188	0	%100
2	M1	Z	-.325	-.325	0	%100
3	M2	X	-.188	-.188	0	%100
4	M2	Z	-.325	-.325	0	%100
5	MP1A	X	-.251	-.251	0	%100
6	MP1A	Z	-.434	-.434	0	%100
7	M17	X	-.013	-.013	0	%100
8	M17	Z	-.023	-.023	0	%100
9	M18	X	-.013	-.013	0	%100
10	M18	Z	-.023	-.023	0	%100
11	M21A	X	-.04	-.04	0	%100
12	M21A	Z	-.069	-.069	0	%100
13	M22A	X	-.04	-.04	0	%100
14	M22A	Z	-.069	-.069	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
15	M22	X	-.052	-.052	0	%100
16	M22	Z	-.09	-.09	0	%100
17	M23	X	-.004	-.004	0	%100
18	M23	Z	-.007	-.007	0	%100
19	M24	X	-.052	-.052	0	%100
20	M24	Z	-.09	-.09	0	%100
21	M25	X	-.004	-.004	0	%100
22	M25	Z	-.007	-.007	0	%100
23	M26	X	-.118	-.118	0	%100
24	M26	Z	-.204	-.204	0	%100
25	M27	X	-.009	-.009	0	%100
26	M27	Z	-.016	-.016	0	%100
27	M28	X	-.118	-.118	0	%100
28	M28	Z	-.204	-.204	0	%100
29	M29	X	-.009	-.009	0	%100
30	M29	Z	-.016	-.016	0	%100
31	M37	X	-.013	-.013	0	%100
32	M37	Z	-.023	-.023	0	%100
33	M38	X	-.013	-.013	0	%100
34	M38	Z	-.023	-.023	0	%100
35	M39	X	-.04	-.04	0	%100
36	M39	Z	-.069	-.069	0	%100
37	M40	X	-.04	-.04	0	%100
38	M40	Z	-.069	-.069	0	%100
39	M42	X	-.052	-.052	0	%100
40	M42	Z	-.09	-.09	0	%100
41	M43	X	-.004	-.004	0	%100
42	M43	Z	-.007	-.007	0	%100
43	M44	X	-.052	-.052	0	%100
44	M44	Z	-.09	-.09	0	%100
45	M45	X	-.004	-.004	0	%100
46	M45	Z	-.007	-.007	0	%100
47	M46	X	-.118	-.118	0	%100
48	M46	Z	-.204	-.204	0	%100
49	M47	X	-.009	-.009	0	%100
50	M47	Z	-.016	-.016	0	%100
51	M48	X	-.118	-.118	0	%100
52	M48	Z	-.204	-.204	0	%100
53	M49	X	-.009	-.009	0	%100
54	M49	Z	-.016	-.016	0	%100
55	M45A	X	-.066	-.066	0	%100
56	M45A	Z	-.114	-.114	0	%100
57	M46A	X	-.065	-.065	0	%100
58	M46A	Z	-.113	-.113	0	%100
59	M47A	X	-.065	-.065	0	%100
60	M47A	Z	-.113	-.113	0	%100
61	M48A	X	-.066	-.066	0	%100
62	M48A	Z	-.114	-.114	0	%100
63	M49A	X	-.066	-.066	0	%100
64	M49A	Z	-.114	-.114	0	%100
65	M50	X	-.056	-.056	0	%100
66	M50	Z	-.097	-.097	0	%100
67	M51	X	-.056	-.056	0	%100
68	M51	Z	-.097	-.097	0	%100
69	M52	X	-.066	-.066	0	%100
70	M52	Z	-.114	-.114	0	%100
71	M53	X	-.327	-.327	0	%100
72	M53	Z	-.567	-.567	0	%100
73	M54	X	-.327	-.327	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,...	End Location[ft,...
74	M54	Z	-.567	-.567	0	%100
75	M46B	X	-.38	-.38	0	%100
76	M46B	Z	-.658	-.658	0	%100
77	M47B	X	-.073	-.073	0	%100
78	M47B	Z	-.126	-.126	0	%100
79	MP2A	X	-.251	-.251	0	%100
80	MP2A	Z	-.434	-.434	0	%100
81	MP3A	X	-.251	-.251	0	%100
82	MP3A	Z	-.434	-.434	0	%100
83	MP4A	X	-.251	-.251	0	%100
84	MP4A	Z	-.434	-.434	0	%100
85	MP5A	X	-.251	-.251	0	%100
86	MP5A	Z	-.434	-.434	0	%100
87	M62	X	-.248	-.248	0	%100
88	M62	Z	-.43	-.43	0	%100
89	M63	X	-.051	-.051	0	%100
90	M63	Z	-.088	-.088	0	%100
91	M64	X	-.424	-.424	0	%100
92	M64	Z	-.735	-.735	0	%100
93	M65	X	-.106	-.106	0	%100
94	M65	Z	-.183	-.183	0	%100
95	M66	X	-.439	-.439	0	%100
96	M66	Z	-.76	-.76	0	%100
97	M67	X	-.142	-.142	0	%100
98	M67	Z	-.246	-.246	0	%100
99	M68	X	-.227	-.227	0	%100
100	M68	Z	-.394	-.394	0	%100

Member Area Loads

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

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	N32	max	878.142	3	853.262	21	1184.374	2	.251	3	0	75	.481	9
2		min	-717.621	12	-355.582	3	-1675.404	8	-.602	9	0	1	-.399	3
3	N66	max	1653.78	12	974.462	21	2093.072	12	.298	3	0	75	.469	9
4		min	-2268.368	3	-419.137	3	-2316.101	3	-.683	21	0	1	-.466	3
5	N61	max	1958.968	9	1219.728	2	2166.927	2	0	6	.003	9	.005	9
6		min	-1203.693	3	-469.048	8	-803.888	8	0	12	-.003	3	-.005	3
7	N92	max	2198.042	3	28.392	15	2040.084	9	0	75	0	75	0	75
8		min	-3011.805	9	9.015	72	-1667.805	3	0	1	0	1	0	1
9	N92A	max	4943.504	2	36.441	9	3113.149	2	0	75	0	75	0	75
10		min	-4067.433	9	9.625	65	-2862.054	9	0	1	0	1	0	1
11	N92C	max	6156.773	9	60.153	5	1935.515	9	.001	39	0	9	.002	2
12		min	-4547.432	3	-310.102	9	-207.722	6	0	9	0	2	-.002	9
13	N95	max	2272.487	44	1092.119	39	-215.848	12	.001	39	.002	9	.003	3
14		min	-1556.137	2	186.742	12	-1851.244	39	0	12	-.001	3	-.003	9
15	Totals:	max	1595.773	11	2748.328	20	2671.938	1						
16		min	-1595.645	5	883.623	66	-2671.945	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE 2.0	.665	3	9	.221	3		2	6830.97	32130	1.872	1.872	1...	H1-1b
2	M2	PIPE 2.0	.827	11.25	2	.629	11.25		3	24572.731	32130	1.872	1.872	1	H3-6
3	MP1A	PIPE 2.0	.894	2.479	2	.410	2.479		2	17855.085	32130	1.872	1.872	2...	H1-1b
4	M17	PL1/2X3.75	.151	0	9	.077	.208	y	26	59798.104	60750	.633	4.746	1...	H1-1b
5	M18	PL1/2X3.75	.163	.208	21	.108	0	y	9	59798.104	60750	.633	4.746	1...	H1-1b
6	M21A	PL1/2X3.75	.224	0	18	.075	0	y	9	58342.842	60750	.633	4.746	1...	H1-1b
7	M22A	PL1/2X3.75	.428	0	9	.348	0	y	9	58342.842	60750	.633	4.746	2...	H1-1b
8	M22	PL1/2X3.75	.083	.083	8	.051	.083	y	9	60596.685	60750	.633	4.746	1...	H1-1b
9	M23	PL1/2X3.75	.293	0	9	.120	.083	y	21	60596.685	60750	.633	4.746	1...	H1-1b
10	M24	PL1/2X3.75	.142	0	3	.160	.083	y	27	60596.573	60750	.633	4.746	1...	H1-1b
11	M25	PL1/2X3.75	.211	0	21	.121	.083	y	21	60596.573	60750	.633	4.746	1...	H1-1b
12	M26	PIPE 1.25	.371	0	8	.136	1.196		17	18828.453	19687.5	.801	.801	2...	H1-1b
13	M27	PIPE 1.25	.745	1.335	9	.309	1.335		3	18828.453	19687.5	.801	.801	1...	H1-1b
14	M28	PIPE 1.25	.255	0	9	.213	0		29	18828.453	19687.5	.801	.801	3...	H1-1b
15	M29	PIPE 1.25	.292	0	8	.336	.139		3	18828.453	19687.5	.801	.801	2...	H1-1b
16	M37	PL1/2X3.75	.225	.208	6	.114	0	y	11	59798.104	60750	.633	4.746	1...	H1-1b
17	M38	PL1/2X3.75	.210	0	5	.148	.208	y	9	59798.104	60750	.633	4.746	1...	H1-1b
18	M39	PL1/2X3.75	.218	0	5	.057	.333	y	9	58342.842	60750	.633	4.746	1...	H1-1b
19	M40	PL1/2X3.75	.502	0	3	.361	.333	y	9	58342.842	60750	.633	4.746	1...	H1-1b
20	M42	PL1/2X3.75	.087	.083	5	.049	0	y	9	60596.685	60750	.633	4.746	1...	H1-1b
21	M43	PL1/2X3.75	.282	0	9	.133	0	y	21	60596.685	60750	.633	4.746	1...	H1-1b
22	M44	PL1/2X3.75	.206	0	6	.187	0	y	30	60596.573	60750	.633	4.746	1...	H1-1b
23	M45	PL1/2X3.75	.282	0	3	.123	.083	y	2	60596.573	60750	.633	4.746	1...	H1-1b
24	M46	PIPE 1.25	.224	0	6	.082	0		17	18828.453	19687.5	.801	.801	1...	H1-1b
25	M47	PIPE 1.25	.807	1.335	9	.204	0		21	18828.453	19687.5	.801	.801	1...	H1-1b
26	M48	PIPE 1.25	.217	1.238	6	.178	1.238		8	18828.453	19687.5	.801	.801	1...	H1-1b
27	M49	PIPE 1.25	.421	1.224	3	.237	1.335		3	18828.453	19687.5	.801	.801	1...	H1-1b
28	M45A	SR 0.625	.222	1.276	3	.032	0		9	3836.923	9940.19	.104	.104	1...	H1-1a
29	M46A	SR 0.625	.085	2.728	5	.016	2.728		12	3222.962	9940.19	.104	.104	1...	H1-1b*
30	M47A	SR 0.625	.007	0	12	.021	2.728		8	3222.962	9940.19	.104	.104	1...	H1-1b*
31	M48A	SR 0.625	.035	1.25	5	.013	0		17	3836.923	9940.19	.104	.104	1...	H1-1b
32	M49A	SR 0.625	.229	1.276	3	.015	0		20	3836.923	9940.19	.104	.104	1...	H1-1a
33	M50	SR 0.625	.185	2.728	3	.013	2.728		7	3222.962	9940.19	.104	.104	1...	H1-1b*
34	M51	SR 0.625	.161	0	12	.033	0		3	3222.962	9940.19	.104	.104	1...	H1-1b*
35	M52	SR 0.625	.196	0	21	.043	0		9	3836.923	9940.19	.104	.104	1...	H1-1b*
36	M53	PIPE 3.0	.026	1.547	17	.048	1.547		9	55456.817	65205	5.749	5.749	1...	H1-1b
37	M54	PIPE 3.0	.120	1.547	9	.059	4.01		9	55456.817	65205	5.749	5.749	3...	H1-1b
38	M46B	L2.5x2.5x3	.156	2.222	2	.032	0	z	9	16119.963	29192.4	.873	1.687	1...	H2-1
39	M47B	L2.5x2.5x3	.084	1.914	9	.037	3.828	z	9	18097.866	29192.4	.873	1.731	1...	H2-1
40	MP2A	PIPE 2.0	.452	2.479	9	.323	1.531		9	17855.085	32130	1.872	1.872	2...	H3-6
41	MP3A	PIPE 2.0	.456	1.531	3	.210	1.531		3	17855.085	32130	1.872	1.872	2...	H1-1b
42	MP4A	PIPE 2.0	.417	2.5	3	.262	2.5		9	14916.096	32130	1.872	1.872	3...	H1-1b
43	MP5A	PIPE 2.0	.652	2.552	9	.274	1.531		9	17855.085	32130	1.872	1.872	2...	H1-1b
44	M62	PIPE 2.0	.177	0	9	.003	6.118		24	20512.505	32130	1.872	1.872	1...	H1-1b*
45	M63	PIPE 2.0	.327	3.261	2	.003	0		8	19295.925	32130	1.872	1.872	1...	H1-1a
46	M64	L2.5x2.5x4	.151	2.448	38	.008	0	y	9	17635.338	38556	1.114	2.26	1...	H2-1
47	M65	L2.5x2.5x4	.417	2.818	9	.013	5.52	y	2	14233.777	38556	1.114	2.199	1...	H2-1
48	M66	L2.5x2.5x4	.100	2.765	48	.017	5.529	y	9	14187.702	38556	1.114	2.198	1...	H2-1
49	M67	L2.5x2.5x4	.132	3.075	2	.018	0	y	2	11468.01	38556	1.114	2.14	1...	H2-1
50	M68	PIPE 2.5	.584	10.375	9	.266	10.875		3	15797.3	50715	3.596	3.596	2...	H1-1b

VzW SMART Tool© Vendor

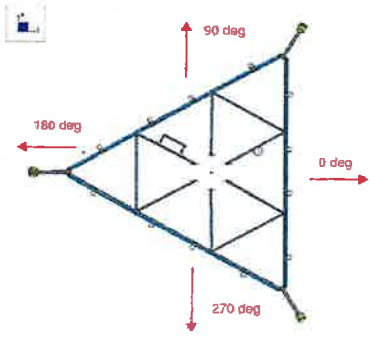
Client:	Verizon Wireless	Date:	12/1/2023
Site Name:	Higganum South CT		
MDG #:	5000233234		
Fuze ID #:	17226196	Page:	1

Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required — Yes

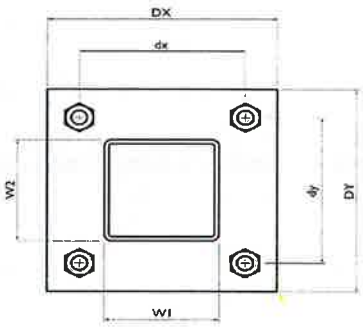
Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N32	25
N66	25



Tower Connection Bolt Checks — Yes

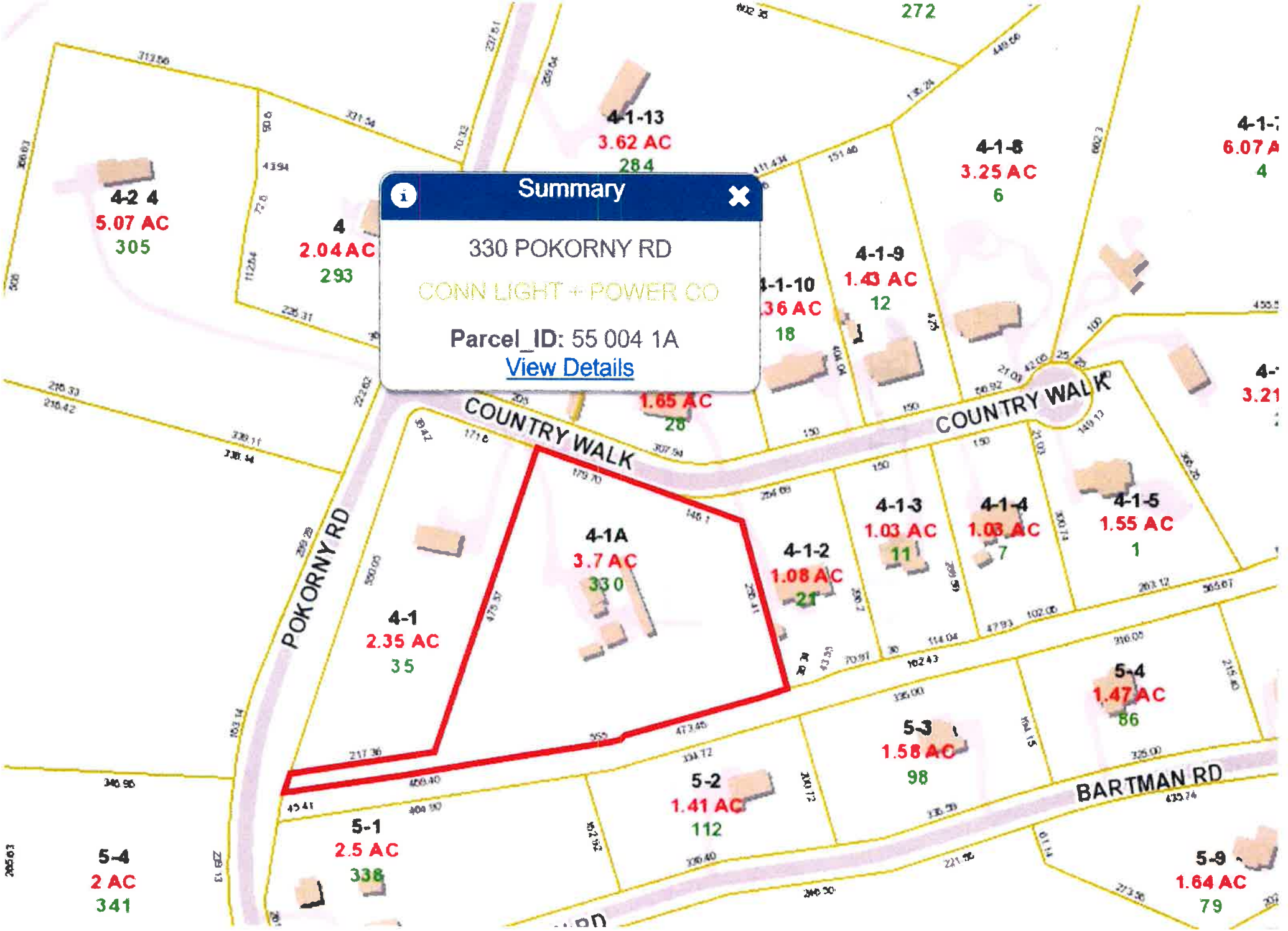
Bolt Orientation — Parallel

Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)*:	9.5
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	2.5
Bolt Type:	A307
Bolt Diameter (in):	0.5
Required Tensile Strength / bolt (kips):	0.0
Required Shear Strength / bolt (kips):	1.6
Tensile Capacity / bolt (kips):	6.6
Shear Capacity / bolt (kips):	4.0
Bolt Overall Utilization:	40.5%



Tower Connection Baseplate Checks — No

ATTACHMENT 4


Summary
330 POKORNY RD
CONN LIGHT + POWER CO
Parcel_ID: 55 004 1A
View Details
4-2 4
5.07 AC
305
4
2.04 AC
293
4-1-13
3.62 AC
284
272
4-1-8
3.25 AC
6
4-1-9
1.43 AC
12
4-1-10
36 AC
18
1.65 AC
28
COUNTRY WALK
COUNTRY WALK
POKORNY RD
4-1A
3.7 AC
330
4-1
2.35 AC
35
4-1-2
1.08 AC
21
4-1-3
1.03 AC
11
4-1-4
1.03 AC
7
4-1-5
1.55 AC
1
5-4
1.47 AC
86
5-3
1.58 AC
98
5-2
1.41 AC
112
5-1
2.5 AC
338
BARTMAN RD
5-4
2 AC
341
5-9
1.64 AC
79

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2020.

Information on the Property Records for the Municipality of Haddam was last updated on 6/28/2022.

Property Summary Information

Parcel Data And Values | Building | Outbuildings | Sales | Permits

Parcel Information

Location:	330 POKORNY RD	Property Use:	Vacant Land	Primary Use:	Cell Tower
Unique ID:	P0506400	Map Block Lot:	55 004 1A	Acres:	3.7000
490 Acres:	0.00	Zone:	R-2A	Volume / Page:	0132/0086
Developers Map / Lot:		Census:	5901		

Value Information

	Appraised Value	Assessed Value
Land	109,500	76,650
Buildings	0	0
Detached Outbuildings	923,830	646,680
Total	1,033,330	723,330

Owner's Information

Owner's Data

CONN LIGHT + POWER CO
TAX DEPT
PO BOX 270
HARTFORD, CT 06141

ATTACHMENT 5

Verizon/Higganum South (.5560)

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	quadient CORRECTION IMI $003.34 03/20/2024 ZIP 06101 043M32206819 US POSTAGE
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Robert McGarry, First Selectman Town of Haddam 30 Field Park Drive Haddam, CT 06438				
2.	Bill Warner, Town Planner Town of Haddam 30 Field Park Drive Haddam, CT 06438				
3.	Connecticut Light & Power P.O. Box 270 Hartford, CT 06101				
4.					
5.					
6.					

HOUSE POST OFFICE D.C. CT 06103 MAR 21 2024

See Reverse for Instructions