Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts and New York

August 3, 2023

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**
101 Burbank Road, Ellington, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced address (the "Property"). Cellco's facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. Cellco's facility was approved by the Siting Council ("Council") in November of 2000 (TS-VER-048-001013). A copy of the Council's tower share approval is included in Attachment 1.

Cellco's proposed modification involves the installation of two (2) interference mitigation filters ("filters") on Cellco's existing antenna platform and mounting assembly. The filter specification sheet 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 Ellington's Chief Elected Official and Land Use Officer.

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 platform and mounting assembly.

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 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:
Lori Spielman, First Selectman
Lisa Houlihan, Town Planner
Bernard and Jane Asumadu, Property Owners
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

November 6, 2000

Sandy M. Carter
Verizon Wireless
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492

RE: **TS-VER-048-001013** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 101 Burbank Road, Ellington, Connecticut.

Dear Ms. Carter:

At a public meeting held November 2, 2000, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated October 12, 2000.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable Michael P. Stupinski, First Selectman, Town of Ellington
Wayne Kemp, Crossroads Site Management LLC

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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

TECHNICAL SPECIFICATIONS

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

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

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

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

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

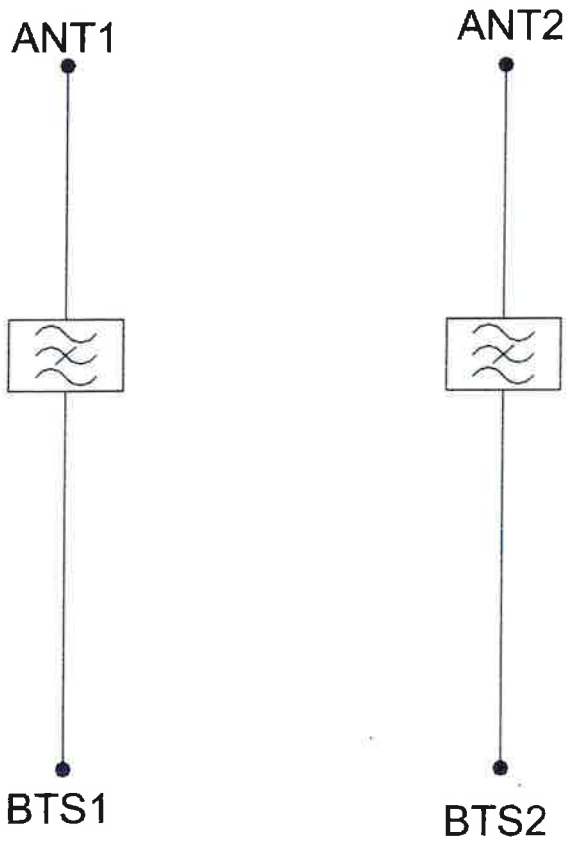
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

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)

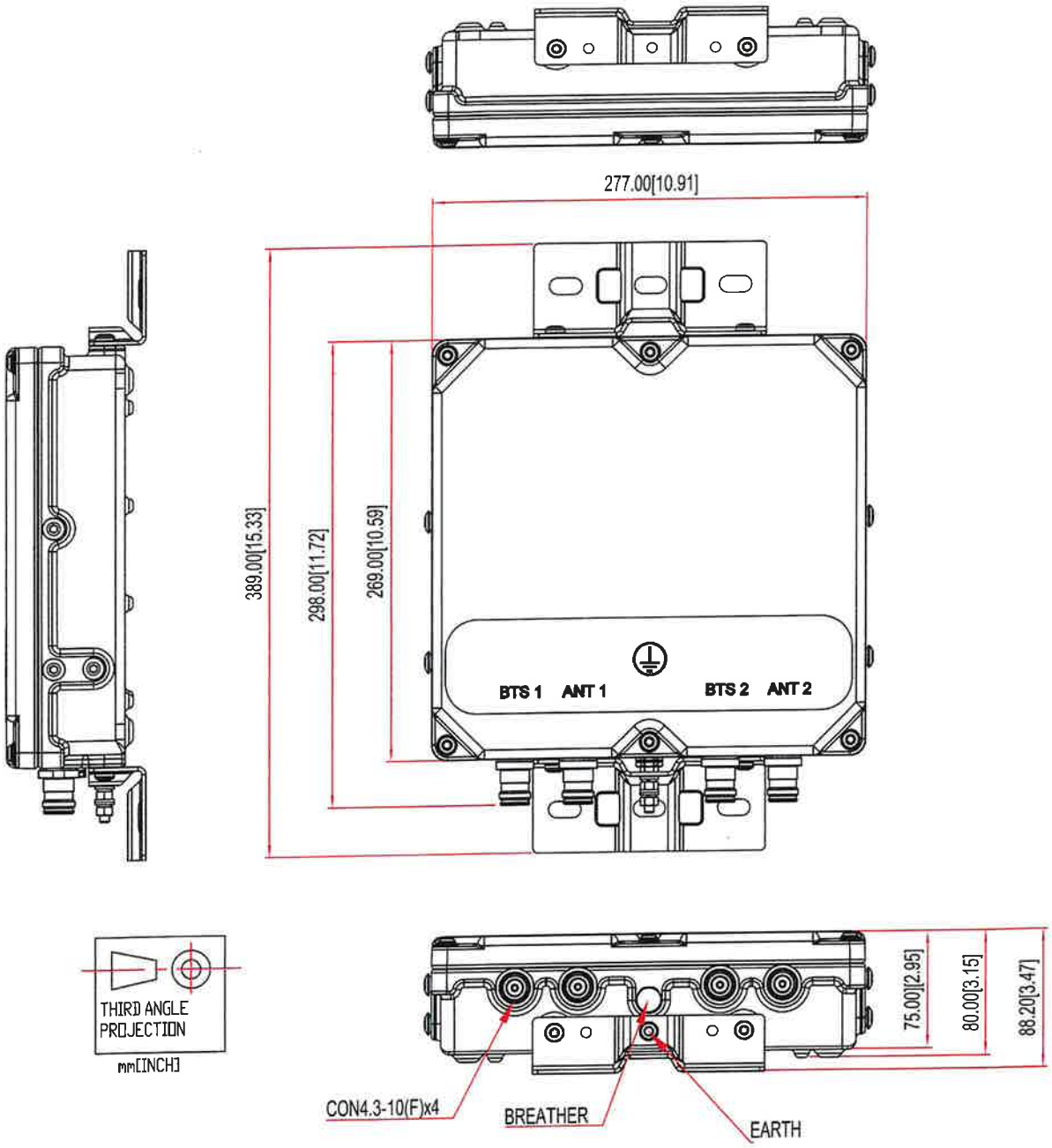
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



Contact Us: +1 303 766 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

SBA Communications Corporation
8051 Congress Avenue
Boca Raton, FL 33487-1307

T + 561.995.7670
F + 561.995.7626

sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 5000246576 / ELLINGTON CT
Application #: 232677, v1

SBA Site ID / Name: CT10008-A / Ellington

187' (180' Steel) Self Supporting Tower

101 Burbank Road
Ellington, CT 06029
Lat: 41.936236, Long: -72.385314

Project number: CT10008-VZW-071123

Analysis Results

Tower	75.0%	Pass
Foundation	31.2%	Pass

Change in tower stress due to mount modification / replacement	N/A

Prepared by:

Daniel Yohannes
Structural Engineer II
214-570-8110 ext 2626
dyohannes@sbasite.com

Reviewed by:

Anantha (Shan) Shanubhogue, P.E.
Senior Manager, Structural Engineering
561-981-7390
SShanubhogue@sbasite.com

July 13, 2023

STATE OF CONNECTICUT
ANANTHA B. SHANUBHOGUE
33123
LICENSED
PROFESSIONAL ENGINEER

07/13/23

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 187' Self Supporting Tower to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
Tower Design	Rohn, File # 42895AE, dated 5/30/2000
Foundation Design	Rohn, File # 42895AE, dated 5/30/2000
Geotechnical report	AET, File # NESTMGMT, dated 2/14/2000
Modification drawings	N/A
Mount Analysis	Maser, Project # 21777298A, dated 09/03/2021
Latest SA Report	TES, Project # 126189, dated 3/17/2022 (Redlined)

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut / Tolland/ellington / Ellington
Governing Codes	ANSI/TIA-222-H , 2021 IBC, 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	117 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.5 in
Risk category	II
Exposure Category	C
Topographic Category	1
Crest Height	0 ft.
Ground Elevation	811.65 ft.
Seismic Parameter S_s	0.177
Seismic Parameter S_1	0.055

This structural analysis is based upon the tower being classified as a Risk category II; however, if a different classification is required subsequent to the date hereof, the tower classification will be changed to meet such requirement and a new structural analysis will be run.

Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Mount Elev. (ft)	CL Elev. (ft)	Type	Qty	Manufacturer	Model	Feed Line Size	Mount Type Qty.	Carrier
187	192.25	Dipole	1	Decibel	DB222-A	(2) 1-1/4"	(1) Direct	NE Site Management
186	186	Panel	3	RFS	APXVAARR24_43-U-NA20	(9) 1-5/8" (1) 1-5/8" Fiber (2) 1.9" Fiber	(3) T-Frames (3) V-Bracing Kit (3) Support Rails	T-Mobile
		Panel	3	Ericsson	Air 6419 B41			
		Panel	3	Commscope	VV-65A-R1			
		TMA	3	Ericsson	KRY 112 489/2			
		TMA	3	Ericsson	KRY 112 144/1			
		RRU	3	Ericsson	4449 B71 + B85			
		RRU	3	Ericsson	4460 B25 + B66			
		Other	3	Kathrein	782 11056			
177	177	Panel	6	Commscope	NHH-65B-R2B	(12) 1-5/8" (1) 1-5/8" Hybrid	(3) 14' Sector Frames (3) Antenna Mount Brackets [Commscope BSAMNT-SBS-1-2]	Verizon
		Panel	2	Samsung	MT6407-77A			
		Panel	1	Samsung	MT6407-77A			
		Panel	3	Antel	BXA-70080-4CF			
		RRU	3	Samsung	RF4439d-25A_AWS-PCS			
		RRU	3	Samsung	RF4440d-13A_700-850MHz			
		OVP	1	Raycap	RVZDC-6627-PF-48			
157	157	Panel	3	Powerwave	7770	(12) 1-5/8" (2) 3/4" DC Power (1) 3/8" RET (1) 3" Conduit (2) 3/4" DC Power (1) 1/2" Fiber	(3) 13' Boom Gate	AT&T
		Panel	4	Powerwave	P65-17-XLH-RR			
		Panel	2	KMW	AM-X-CD-16-65-00T			
		Panel	3	Kathrein	800 10121			
		TMA	6	CCI	DTMA BP7819VG12A			
		TMA	6	Powerwave	TT19-08BP111-001			
		RRU	6	Kathrein	860 10025			
		RRU	6	Ericsson	RRUS-11			
		OVP	1	Raycap	DC6-48-60-18-8F			
147	147	Panel	3	JMA Wireless	MX08FRO665-21	(1) 1.6" Hybrid	(3) Sector Frames [Commscope MTC3975083]	Dish Wireless
		RRU	3	Fujitsu	TA08025-B605			
		RRU	3	Fujitsu	TA08025-B604			
		OVP	1	Raycap	RDIDC-9181-PF-48			
78	78	GPS	1		GPS	(1) 1/2"	(1) 36" Standoff	Verizon
32	32	GPS	1		GPS	(1) 1/2"	(1) 18" Standoff	AT&T

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 232677, v1 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Mount Elev. (ft)	CL Elev. (ft)	Type	Qty	Manufacturer	Model	Feed Line Size	Mount Type Qty.	Carrier
177	177	Panel	6	Commscope	NHH-65B-R2B	(12) 1-5/8" (1) 1-5/8" Hybrid	(3) 14' Sector Frames (3) Antenna Mount Brackets [Commscope BSAMNT-SBS-1-2]	Verizon
		Panel	2	Samsung	MT6407-77A			
		Panel	1	Samsung	MT6407-77A			
		Panel	3	Antel	BXA-70080-4CF			
		RRU	3	Samsung	RF4439d-25A_AWS-PCS			
		RRU	3	Samsung	RF4440d-13A_700-850MHz			
		OVP	1	Raycap	RVZDC-6627-PF-48			
		Filter	2	Kaelus	BSF0020F3V1-1			
78	78	GPS	1		GPS	(1) 1/2"	(1) 36" Standoff	

Analysis Results

Tower

The results of the structural analysis are shown below in table 5. Additional information for the tower analysis is provided within the Appendix.

Table 5 Tower Analysis Summary

Structural Component	% capacity	Analysis Result
Leg	71.7	Pass
Diagonal	72.0	Pass
Top girt	4.1	Pass
Bolt	75.0	Pass
Anchor Bolt	51.5	Pass

Foundation

The results of the foundation analysis are shown below in table 6. Additional information for the foundation analysis is provided within the Appendix.

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	31.2	Pass

Conclusions

Based on the analysis results, the existing tower and foundation were found to be ***Sufficient*** to safely support the equipment listed in this analysis. No modification to the tower and foundation is needed at this time.

Installation Requirements

This analysis was performed under the assumption that the carrier will place the proposed equipment and feed lines at the installation height listed in Table 4 and in accordance with the coax layout shown. TMAs and RRUs are to be installed on existing mounts behind tenant's antennas unless otherwise noted. No equipment is to be installed directly in the climbing path. All equipment is to be installed per mount manufacturer specifications. In case site conditions do not allow for the required installation parameters to be met the carrier must notify SBA Communications Corporation engineers for approval of an alternative placement.

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

- Tower and foundation were built in accordance to manufacturer specifications.
- Tower and foundation has been properly maintained in accordance with the manufacturer's specifications
- All existing structural members were assumed to be in good condition with no physical damage or deterioration associated with corrosion
- Welds and bolts are assumed able to carry their intended original design loads.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 3 and 4.
- This analysis may be affected if any assumptions are not valid or have been made in error. SBA should be notified to determine the effect on the structural integrity of the tower.

Limitations

The computer generated analysis performed by the tower software is limited to theoretical capacities of the towers structural members and does not account for any missing or damaged members or connections. The tower and foundation are assumed to have been properly designed, fabricated, installed and maintained, barring any conflicting findings from the most recent inspection.

SBA Communications Corporation has used its due diligence to verify the information provided to perform this analysis. It is unreasonable to perform a more detailed inspection of a tower and its components. This report is not a condition assessment of the tower or foundation.

Appendix

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
DB222-A	187	Side-By-Side Mounting Kit (Commscope BSAMNT-SBS-1-2)	177
Seismic Load @187	187	(2) NHH-65B-R2B (72" x 11.8" x 7.1") w/ mount pipe	177
APXVAARR24_43-U-NA20 (95.0" x 24" x 8.7") w/ mount pipe	180	Seismic Load @167	167
APXVAARR24_43-U-NA20 (95.0" x 24" x 8.7") w/ mount pipe	180	7770 (50" x 11" x 5") w/ mount pipe	157
AV 6419 B41 (30.2" x 20.9" x 9") w/ mount pipe	180	(2) FF65-17-XLH-RR (96" x 12" x 6") w/ mount pipe	157
AV 6419 B41 (30.2" x 20.9" x 9") w/ mount pipe	180	FF65-17-XLH-RR (96" x 12" x 6") w/ mount pipe	157
AV 6419 B41 (30.2" x 20.9" x 9") w/ mount pipe	180	FF65-17-XLH-RR (96" x 12" x 6") w/ mount pipe	157
VV65A-R1 (54.72" x 12.08" x 4.64") w/ mount pipe	180	AM-X-CD-16-65-00T (34" x 12.5" x 7.87") w/ mount pipe	157
VV65A-R1 (54.72" x 12.08" x 4.64") w/ mount pipe	180	AM-X-CD-16-65-00T (34" x 12.5" x 7.87") w/ mount pipe	157
VV65A-R1 (54.72" x 12.08" x 4.64") w/ mount pipe	180	800 10121 (54.5" x 10.3" x 5.9") w/ mount pipe	157
KRY 112 489/2 (11" x 6.1" x 2.94")	180	800 10121 (54.5" x 10.3" x 5.9") w/ mount pipe	157
KRY 112 489/2 (11" x 6.1" x 2.94")	180	800 10121 (54.5" x 10.3" x 5.9") w/ mount pipe	157
KRY 112 489/2 (11" x 6.1" x 2.94")	180	(2) DTMA BFT819VG12A (10.6" x 11.02" x 3.78")	157
KRY 112 144/1 (6.93" x 6.1" x 2.8")	180	(2) DTMA BFT819VG12A (10.6" x 11.02" x 3.78")	157
KRY 112 144/1 (6.93" x 6.1" x 2.8")	180	(2) DTMA BFT819VG12A (10.6" x 11.02" x 3.78")	157
KRY 112 144/1 (6.93" x 6.1" x 2.8")	180	(2) TT19-08BP111-001 (14.2" x 6.7" x 5.4")	157
4449 B71 + B85 (17.9" x 13.1" x 10.6")	180	(2) TT19-08BP111-001 (14.2" x 6.7" x 5.4")	157
4449 B71 + B85 (17.9" x 13.1" x 10.6")	180	(2) TT19-08BP111-001 (14.2" x 6.7" x 5.4")	157
4449 B71 + B85 (17.9" x 13.1" x 10.6")	180	(2) 800 10025 (7" x 2.4" x 2")	157
4480 B25 + B66 (15.1" x 17" x 11.9")	180	(2) 800 10025 (7" x 2.4" x 2")	157
4480 B25 + B66 (15.1" x 17" x 11.9")	180	(2) 800 10025 (7" x 2.4" x 2")	157
4480 B25 + B66 (15.1" x 17" x 11.9")	180	(2) RRUS-11 (17" x 17.8" x 7.2")	157
7B2 11050 (5.5" x 3.2" x 1.8")	180	(2) RRUS-11 (17" x 17.8" x 7.2")	157
7B2 11050 (5.5" x 3.2" x 1.8")	180	(2) RRUS-11 (17" x 17.8" x 7.2")	157
7B2 11050 (5.5" x 3.2" x 1.8")	180	DC6-48-60-18-8F (24" x 11" x 11")	157
Empty Mount Pipe	180	12' Boom Gate	157
Empty Mount Pipe	180	12' Boom Gate	157
Empty Mount Pipe	180	12' Boom Gate	157
T-Frames	180	7770 (50" x 11" x 5") w/ mount pipe	157
T-Frames	180	7770 (50" x 11" x 5") w/ mount pipe	157
T-Frames	180	MX08FRO665-21 (72" x 20" x 8") w/ mount pipe	147
V-Brace + Support Rail	180	TA08025-B605 (15.75" x 14.96" x 9.05")	147
V-Brace + Support Rail	180	TA08025-B605 (15.75" x 14.96" x 9.05")	147
V-Brace + Support Rail	180	TA08025-B605 (15.75" x 14.96" x 9.05")	147
APXVAARR24_43-U-NA20 (95.0" x 24" x 8.7") w/ mount pipe	180	TA08025-B604 (15.75" x 14.96" x 7.87")	147
(2) NHH-65B-R2B (72" x 11.8" x 7.1") w/ mount pipe	177	TA08025-B604 (15.75" x 14.96" x 7.87")	147
(2) NHH-65B-R2B (72" x 11.8" x 7.1") w/ mount pipe	177	TA08025-B604 (15.75" x 14.96" x 7.87")	147
MTRH07-77A (35.00" x 16.00" x 5.51") w/ mount pipe	177	RDIDC-9181-PF-48 (10.57" x 14.57" x 8.15")	147
MTRH07-77A (35.00" x 16.00" x 5.51") w/ mount pipe	177	(2) Empty Mount Pipe	147
MTRH07-77A (35.00" x 16.10" x 5.51") w/ mount pipe	177	(2) Empty Mount Pipe	147
BXA-70080-4CF (47.5" x 8" x 6.1") w/ mount pipe	177	(2) Empty Mount Pipe	147
BXA-70080-4CF (47.5" x 8" x 6.1") w/ mount pipe	177	Sector Frames (Commscope MTC3975083)	147
BXA-70080-4CF (47.5" x 8" x 6.1") w/ mount pipe	177	Sector Frames (Commscope MTC3975083)	147
RF4439d-25A_AWS-PCS (14.96" x 14.96" x 10.4")	177	Sector Frames (Commscope MTC3975083)	147
RF4439d-25A_AWS-PCS (14.96" x 14.96" x 10.4")	177	MX08FRO665-21 (72" x 20" x 8") w/ mount pipe	147
RF4439d-25A_AWS-PCS (14.96" x 14.96" x 10.4")	177	MX08FRO665-21 (72" x 20" x 8") w/ mount pipe	147
RF4440d-13A_700-850MHz (14.96" x 14.96" x 9.05")	177	Seismic Load @147	147
RF4440d-13A_700-850MHz (14.96" x 14.96" x 9.05")	177	Seismic Load @127	127
RF4440d-13A_700-850MHz (14.96" x 14.96" x 9.05")	177	Seismic Load @107	107
RVZDC-6627-PF-48 (29.5" x 16.5" x 12.6")	177	Seismic Load @87	87
BSF0020F3V1-1 (10.6" x 10.0" x 3.15")	177	GPS (7.5" x 3")	78
BSF0020F3V1-1 (10.6" x 10.0" x 3.15")	177	36" Standoff	78
14" Sector Frames	177	Seismic Load @67	67
14" Sector Frames	177	Seismic Load @47	47
14" Sector Frames	177	GPS (6.5" x 3.75")	32
Side-By-Side Mounting Kit (Commscope BSAMNT-SBS-1-2)	177	18" Standoff	33
Side-By-Side Mounting Kit (Commscope BSAMNT-SBS-1-2)	177	Seismic Load @27	27

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower designed for Exposure C to the TIA-222-H Standard.
2. Tower designed for a 117 mph basic wind in accordance with the TIA-222-H Standard.
3. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Risk Category II.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. TOWER RATING: 75%

ALL REACTIONS ARE FACTORED

MAX CORNER REACTIONS AT BASE:
DOWN: 334 K
SHEAR: 34 K

UPLIFT: -289 K
SHEAR: 30 K

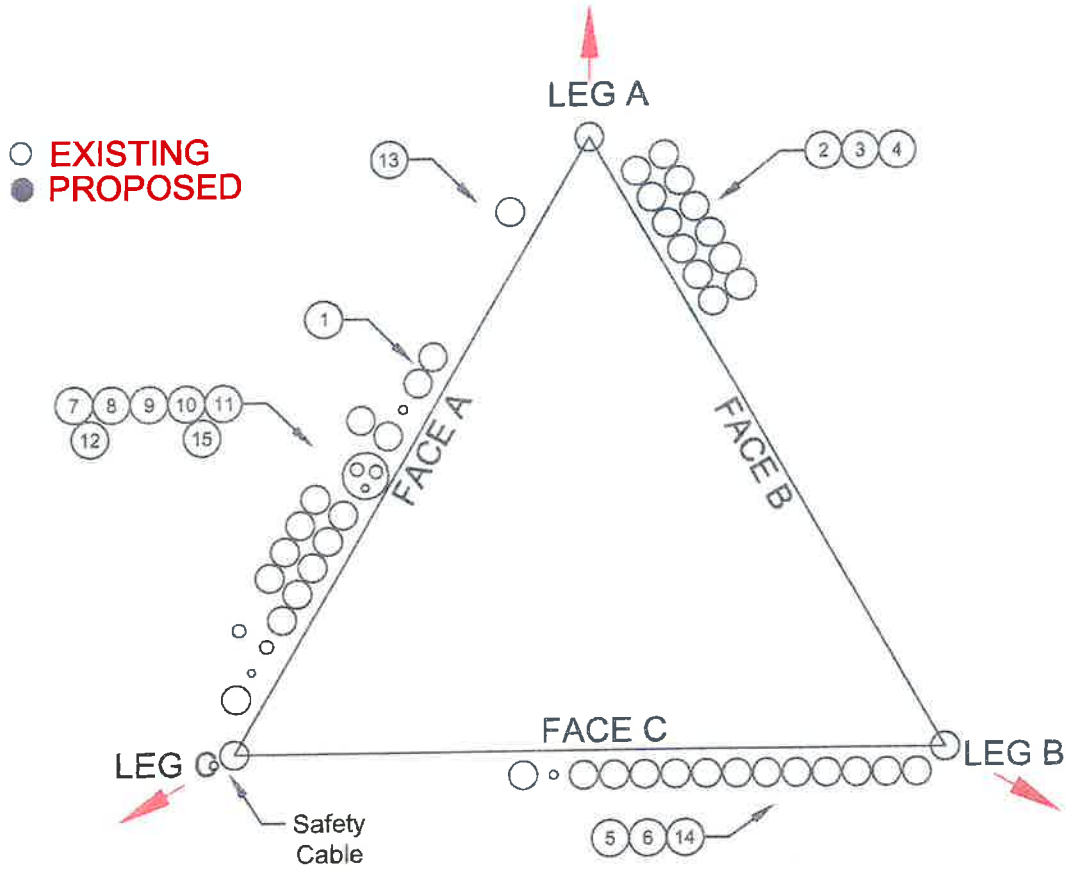
AXIAL 61 K
SHEAR 3 K
MOMENT 423 kip-ft
TORQUE 0 kip-ft
SEISMIC

AXIAL 151 K
SHEAR 18 K
MOMENT 1932 kip-ft
TORQUE 23 kip-ft
50 mph WIND - 1.50 in ICE

AXIAL 59 K
SHEAR 54 K
MOMENT 5750 kip-ft
TORQUE 66 kip-ft
REACTIONS - 117 mph WIND

SBA Communications 8051 Congress Avenue Boca Raton, FL 33487-1307 Phone: 5619957670 FAX: 5619957626	Job:		
	Project: CT10006-VZW-071123		
	Client:	Drawn by: Daniel Yohannes	App'd:
	Code: TIA-222-H	Date: 07/12/23	Scale: NTS
	Path: [illegible]		Dwg No. E-1

COAX LAYOUT



CT10008-A					
#	CARRIER	SIZE	QTY.	ELEVATION	NOTES
1	NE Site Management	1-1/4"	2	187	
2	T-Mobile	1-5/8"	9	186	
3		1-5/8"	1		Fiber
4		1.9"	2		Fiber
5	Verizon	1-5/8"	12	177	
6		1-5/8"	1		Hybrid
7	AT&T	1-5/8"	12	157	
8		3/4"	2		DC Power
9		3/8"	1		RET
10		3"	1		Conduit
11		3/4"	2		DC Power
12		1/2"	1		Fiber
13	Dish Wireless	1.6"	1	147	Hybrid
14	Verizon	1/2"	1	78	
15	AT&T	1/2"	1	32	

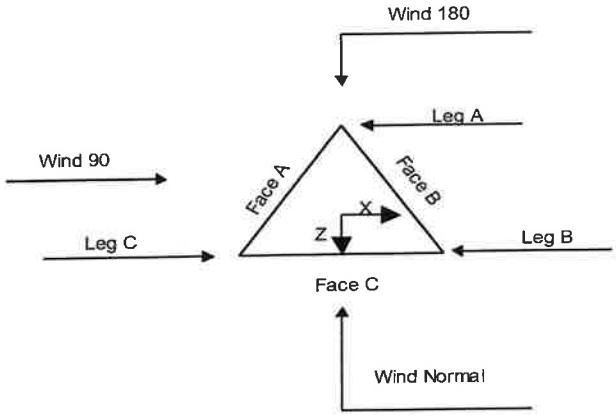
Tower Input Data

The main tower is a 3x free standing tower with an overall height of 187.00 ft above the ground line.
The base of the tower is set at an elevation of 7.00 ft above the ground line.
The face width of the tower is 4.58 ft at the top and 21.12 ft at the base.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

1. Tower base elevation above sea level: 818.65 ft.
2. Basic wind speed of 117 mph.
3. Risk Category II.
4. Exposure Category C.
5. Simplified Topographic Factor Procedure for wind speed-up calculations is used.
6. Topographic Category: 1.
7. Crest Height: 0.00 ft.
8. Nominal ice thickness of 1.50 in.
9. Ice thickness is considered to increase with height.
10. Ice density of 56 pcf.
11. A wind speed of 50 mph is used in combination with ice.
12. Temperature drop of 50 °F.
13. Deflections calculated using a wind speed of 60 mph.
14. Pressures are calculated at each section.
15. Stress ratio used in tower member design is 1.
16. 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	187.00-167.00			4.58	1	20.00
T2	167.00-147.00			4.58	1	20.00
T3	147.00-127.00			6.63	1	20.00
T4	127.00-107.00			8.68	1	20.00
T5	107.00-87.00			10.78	1	20.00
T6	87.00-67.00			12.91	1	20.00
T7	67.00-47.00			14.92	1	20.00
T8	47.00-27.00			17.09	1	20.00
T9	27.00-7.00			19.04	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	187.00-167.00	4.00	X Brace	No	No	0.00	0.00
T2	167.00-147.00	4.00	X Brace	No	No	0.00	0.00

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
T3	147.00-127.00	5.00	X Brace	No	No	0.00	0.00
T4	127.00-107.00	6.67	X Brace	No	No	0.00	0.00
T5	107.00-87.00	6.67	X Brace	No	No	0.00	0.00
T6	87.00-67.00	6.67	X Brace	No	No	0.00	0.00
T7	67.00-47.00	10.00	X Brace	No	No	0.00	0.00
T8	47.00-27.00	10.00	X Brace	No	No	0.00	0.00
T9	27.00-7.00	10.00	X Brace	No	No	0.00	0.00

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 187.00-167.00	Pipe	ROHN 2.5 STD	A572-50 (50 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T2 167.00-147.00	Pipe	ROHN 3 EH	A572-50 (50 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T3 147.00-127.00	Pipe	ROHN 4 EH	A572-50 (50 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T4 127.00-107.00	Pipe	ROHN 5 EH	A572-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T5 107.00-87.00	Pipe	ROHN 6 EHS	A572-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T6 87.00-67.00	Pipe	ROHN 6 EH	A572-50 (50 ksi)	Equal Angle	L3x3x1/4	A572-50 (50 ksi)
T7 67.00-47.00	Pipe	ROHN 8 EHS	A572-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x1/4	A572-50 (50 ksi)
T8 47.00-27.00	Pipe	ROHN 8 EH	A572-50 (50 ksi)	Equal Angle	L4x4x1/4	A572-50 (50 ksi)
T9 27.00-7.00	Pipe	ROHN 8 EH	A572-50 (50 ksi)	Equal Angle	L4x4x1/4	A572-50 (50 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 187.00-167.00	Equal Angle	L2x2x1/4	A36 (36 ksi)	Solid Round		A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft²	in					in	in	in
T1 187.00-167.00	0.00	0.00	A36 (36 ksi)	1	1	1.05	36.00	36.00	36.00
T2 167.00-147.00	0.00	0.00	A36 (36 ksi)	1	1	1.05	36.00	36.00	36.00
T3 147.00-127.00	0.00	0.00	A36 (36 ksi)	1	1	1.05	36.00	36.00	36.00
T4 127.00-107.00	0.00	0.00	A36 (36 ksi)	1	1	1.05	36.00	36.00	36.00
T5 107.00-87.00	0.00	0.00	A36 (36 ksi)	1	1	1.05	36.00	36.00	36.00
T6 87.00-67.00	0.00	0.00	A36 (36 ksi)	1	1	1.05	36.00	36.00	36.00
T7 67.00-47.00	0.00	0.00	A36 (36 ksi)	1	1	1.05	36.00	36.00	36.00
T8 47.00-27.00	0.00	0.00	A36 (36 ksi)	1	1	1.05	36.00	36.00	36.00
T9 27.00-7.00	0.00	0.00	A36 (36 ksi)	1	1	1.05	36.00	36.00	36.00

Tower Section Geometry *(cont'd)*

Tower Elevation	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X	X Brace Diags Y	K Brace Diags X	K Brace Diags Y	Single Diags X	Single Diags Y	Girts X	Girts Y	Horiz. X	Horiz. Y	Sec. Horiz. X	Sec. Horiz. Y	Inner Brace X	Inner Brace Y
ft																	
T1 187.00-167.00	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T2 167.00-147.00	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T3 147.00-127.00	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T4 127.00-107.00	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T5 107.00-87.00	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T6 87.00-67.00	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T7 67.00-47.00	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T8 47.00-27.00	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T9 27.00-7.00	Yes	No	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)*

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 187.00-167.00	0.00	1	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T2 167.00-147.00	0.00	1	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T3 147.00-127.00	0.00	1	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T4 127.00-107.00	0.00	1	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T5 107.00-87.00	0.00	1	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T6 87.00-67.00	0.00	1	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T7 67.00-47.00	0.00	1	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T8 47.00-27.00	0.00	1	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T9 27.00-7.00	0.00	1	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	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 187.00-167.00	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T2 167.00-147.00	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T3 147.00-127.00	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T4 127.00-107.00	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T5 107.00-87.00	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T6 87.00-67.00	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T7 67.00-47.00	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T8 47.00-27.00	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75
T9 27.00-7.00	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Connection Type	Leg Bolt Size in	Leg No.	Diagonal Bolt Size in	Diagonal No.	Top Girt Bolt Size in	Top Girt No.	Bottom Girt Bolt Size in	Bottom Girt No.	Mid Girt Bolt Size in	Mid Girt No.	Long Horizontal Bolt Size in	Long Horizontal No.	Short Horizontal Bolt Size in	Short Horizontal No.
T1 187.00-167.00	Flange	0.78 A325N	4	0.63 A325N	1	0.63 A325N	1	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0
T2 167.00-147.00	Flange	0.88 A325N	4	0.63 A325N	1	0.63 A325N	0	0.00 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0
T3 147.00-127.00	Flange	1.00 A325N	4	0.63 A325N	1	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0
T4 127.00-107.00	Flange	1.00 A325N	6	0.63 A325N	1	0.63 A325N	0	0.00 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0
T5 107.00-87.00	Flange	1.00 A325N	6	0.63 A325N	1	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0
T6 87.00-67.00	Flange	1.00 A325N	8	0.75 A325N	1	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0
T7 67.00-47.00	Flange	1.00 A325N	8	0.75 A325N	1	0.63 A325N	0	0.00 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0
T8 47.00-27.00	Flange	1.00 A325N	8	0.75 A325N	1	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	1
T9 27.00-7.00	Flange	1.00 A325N	0	0.75 A325N	1	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 A325N	0	0.63 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
Safety Cable	C	No	No	Ar (CaAa)	187.00 - 12.00	0.00	0.5	1	1	0.50	0.38		0.22
Step Bolts	C	No	No	Ar (CaAa)	187.00 - 7.00	0.00	0.5	1	1	0.50	0.35		0.57
Step Bolts	B	No	No	Ar (CaAa)	67.00 - 7.00	0.00	0.5	1	1	0.50	0.35		0.57
Step Bolts	A	No	No	Ar (CaAa)	67.00 - 7.00	0.00	0.5	1	1	0.50	0.35		0.57
*** 1-1/4"	A	No	No	Ar (CaAa)	187.00 - 12.00	0.00	-0.18	2	2	0.50	1.55		0.66
*** 1-5/8"	B	No	No	Ar (CaAa)	186.00 - 12.00	0.00	-0.25	9	6	0.50	1.98		1.04
1-5/8" Fiber	B	No	No	Ar (CaAa)	186.00 - 12.00	2.00	-0.27	1	1	0.50	1.63		0.66
1.9" Fiber	B	No	No	Ar (CaAa)	186.00 - 12.00	2.00	-0.22	2	2	0.50	1.90		0.90
Feedline Ladder (Af)	B	No	No	Af (CaAa)	186.00 - 12.00	0.00	-0.25	1	1	0.50	3.00		8.40
*** 1-5/8"	C	No	No	Ar (CaAa)	177.00 - 12.00	0.00	0.25	12	12	0.50	1.98		1.04
1-5/8" Hybrid	C	No	No	Ar (CaAa)	177.00 - 12.00	0.00	0.1	1	1	0.50	2.00		1.10
Feedline Ladder (Af) ***	C	No	No	Af (CaAa)	177.00 - 12.00	0.00	0.25	1	1	0.50	3.00		8.40

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
1-5/8"	A	No	No	Ar (CaAa)	157.00 - 12.00	0.00	-0.2	2	1	0.50	1.98		1.04
1-5/8"	A	No	No	Ar (CaAa)	157.00 - 12.00	0.00	-0.3	9	5	0.50	1.98		1.04
1-5/8"	A	No	No	Ar (CaAa)	157.00 - 12.00	0.00	-0.4	1	1	0.50	1.98		1.04
3/4" DC Power	A	No	No	Ar (CaAa)	157.00 - 12.00	0.00	-0.35	2	1	0.50	0.75		0.40
3/8" RET	A	No	No	Ar (CaAa)	157.00 - 12.00	0.00	-0.38	1	1	0.50	0.30		0.00
3" Conduit	A	No	No	Ar (CaAa)	157.00 - 12.00	0.00	-0.23	1	1	0.50	3.00		1.78
3/4" DC Power [Inside 3" Conduit]	A	No	No	Ar (CaAa)	157.00 - 12.00	0.00	-0.23	2	2	0.50	0.75		0.40
1/2" Fiber [Inside 3" Conduit]	A	No	No	Ar (CaAa)	157.00 - 12.00	0.00	-0.23	1	1	0.50	0.58		0.25
Feedline Ladder (Af) ***	A	No	No	Af (CaAa)	157.00 - 12.00	0.00	-0.25	1	1	0.50	3.00		8.40
1.6" Hybrid	A	No	No	Ar (CaAa)	147.00 - 12.00	0.00	0.25	1	1	0.50	1.60		0.70
Feedline Ladder (Af) ***	A	No	No	Af (CaAa)	147.00 - 12.00	0.00	0.25	1	1	0.50	3.00		8.40
1/2" ***	C	No	No	Ar (CaAa)	78.00 - 12.00	0.00	0.12	1	1	0.50	0.65		0.16
1/2"	A	No	No	Ar (CaAa)	32.00 - 12.00	0.00	0	1	1	0.50	0.65		0.16

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	187.00-167.00	A	0.000	0.000	6.200	0.000	0.03
		B	0.000	0.000	53.666	0.000	0.38
		C	0.000	0.000	32.210	0.000	0.24
T2	167.00-147.00	A	0.000	0.000	41.840	0.000	0.27
		B	0.000	0.000	56.490	0.000	0.40
		C	0.000	0.000	62.970	0.000	0.46
T3	147.00-127.00	A	0.000	0.000	90.680	0.000	0.70
		B	0.000	0.000	56.490	0.000	0.40
		C	0.000	0.000	62.970	0.000	0.46
T4	127.00-107.00	A	0.000	0.000	90.680	0.000	0.70
		B	0.000	0.000	56.490	0.000	0.40
		C	0.000	0.000	62.970	0.000	0.46
T5	107.00-87.00	A	0.000	0.000	90.680	0.000	0.70
		B	0.000	0.000	56.490	0.000	0.40
		C	0.000	0.000	62.970	0.000	0.46

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T6	87.00-67.00	A	0.000	0.000	90.680	0.000	0.70
		B	0.000	0.000	56.490	0.000	0.40
		C	0.000	0.000	63.685	0.000	0.46
T7	67.00-47.00	A	0.000	0.000	91.380	0.000	0.71
		B	0.000	0.000	57.190	0.000	0.42
		C	0.000	0.000	64.270	0.000	0.46
T8	47.00-27.00	A	0.000	0.000	91.705	0.000	0.71
		B	0.000	0.000	57.190	0.000	0.42
		C	0.000	0.000	64.270	0.000	0.46
T9	27.00-7.00	A	0.000	0.000	69.685	0.000	0.54
		B	0.000	0.000	43.068	0.000	0.31
		C	0.000	0.000	48.377	0.000	0.35

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	187.00-167.00	A	1.774	0.000	0.000	21.952	0.000	0.24
		B		0.000	0.000	95.400	0.000	1.62
		C		0.000	0.000	71.331	0.000	1.15
T2	167.00-147.00	A	1.753	0.000	0.000	101.367	0.000	1.52
		B		0.000	0.000	99.965	0.000	1.69
		C		0.000	0.000	126.557	0.000	2.08
T3	147.00-127.00	A	1.729	0.000	0.000	206.667	0.000	3.30
		B		0.000	0.000	99.454	0.000	1.67
		C		0.000	0.000	126.041	0.000	2.05
T4	127.00-107.00	A	1.702	0.000	0.000	204.970	0.000	3.24
		B		0.000	0.000	98.870	0.000	1.65
		C		0.000	0.000	125.452	0.000	2.02
T5	107.00-87.00	A	1.671	0.000	0.000	202.988	0.000	3.18
		B		0.000	0.000	98.189	0.000	1.62
		C		0.000	0.000	124.765	0.000	1.99
T6	87.00-67.00	A	1.633	0.000	0.000	200.599	0.000	3.11
		B		0.000	0.000	97.368	0.000	1.59
		C		0.000	0.000	128.243	0.000	2.00
T7	67.00-47.00	A	1.584	0.000	0.000	204.606	0.000	3.10
		B		0.000	0.000	103.363	0.000	1.64
		C		0.000	0.000	130.522	0.000	1.99
T8	47.00-27.00	A	1.517	0.000	0.000	201.985	0.000	2.99
		B		0.000	0.000	101.654	0.000	1.58
		C		0.000	0.000	128.799	0.000	1.92
T9	27.00-7.00	A	1.404	0.000	0.000	151.203	0.000	2.14
		B		0.000	0.000	75.648	0.000	1.13
		C		0.000	0.000	95.990	0.000	1.37

Feed Line Center of Pressure

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
T1	187.00-167.00	-2.77	-5.31	-4.14	-2.08
T2	167.00-147.00	-8.24	-2.95	-10.16	0.34
T3	147.00-127.00	-12.85	-3.69	-15.72	-0.66
T4	127.00-107.00	-15.16	-4.26	-19.01	-0.76
T5	107.00-87.00	-17.40	-4.82	-21.83	-0.85
T6	87.00-67.00	-18.39	-4.91	-23.93	-0.47
T7	67.00-47.00	-20.46	-5.47	-25.03	-0.99
T8	47.00-27.00	-21.29	-5.70	-26.79	-1.26
T9	27.00-7.00	-18.89	-5.08	-24.44	-1.58

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	1	Safety Cable	167.00 - 187.00	0.6000	0.5106
T1	2	Step Bolts	167.00 - 187.00	0.6000	0.5106
T1	6	1-1/4"	167.00 - 187.00	0.6000	0.5106
T1	8	1-5/8"	167.00 - 186.00	0.6000	0.5106
T1	9	1-5/8" Fiber	167.00 - 186.00	0.0000	0.0000
T1	10	1.9" Fiber	167.00 - 186.00	0.0000	0.0000
T1	11	Feedline Ladder (Af)	167.00 - 186.00	0.6000	0.5106
T1	13	1-5/8"	167.00 - 177.00	0.6000	0.5106
T1	14	1-5/8" Hybrid	167.00 - 177.00	0.6000	0.5106
T1	15	Feedline Ladder (Af)	167.00 - 177.00	0.6000	0.5106
T2	1	Safety Cable	147.00 - 167.00	0.6000	0.5688
T2	2	Step Bolts	147.00 - 167.00	0.6000	0.5688
T2	6	1-1/4"	147.00 - 167.00	0.6000	0.5688
T2	8	1-5/8"	147.00 - 167.00	0.6000	0.5688
T2	9	1-5/8" Fiber	147.00 - 167.00	0.0000	0.0000
T2	10	1.9" Fiber	147.00 - 167.00	0.0000	0.0000
T2	11	Feedline Ladder (Af)	147.00 - 167.00	0.6000	0.5688
T2	13	1-5/8"	147.00 - 167.00	0.6000	0.5688

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T2	14	1-5/8" Hybrid	147.00 - 167.00	0.6000	0.5688
T2	15	Feedline Ladder (Af)	147.00 - 167.00	0.6000	0.5688
T2	17	1-5/8"	147.00 - 157.00	0.6000	0.5688
T2	18	1-5/8"	147.00 - 157.00	0.6000	0.5688
T2	19	1-5/8"	147.00 - 157.00	0.6000	0.5688
T2	20	3/4" DC Power	147.00 - 157.00	0.6000	0.5688
T2	21	3/8" RET	147.00 - 157.00	0.6000	0.5688
T2	22	3" Conduit	147.00 - 157.00	0.6000	0.5688
T2	23	3/4" DC Power [Inside 3" Conduit]	147.00 - 157.00	0.0000	0.0000
T2	24	1/2" Fiber [Inside 3" Conduit]	147.00 - 157.00	0.0000	0.0000
T2	25	Feedline Ladder (Af)	147.00 - 157.00	0.6000	0.5688
T3	1	Safety Cable	127.00 - 147.00	0.6000	0.6000
T3	2	Step Bolts	127.00 - 147.00	0.6000	0.6000
T3	6	1-1/4"	127.00 - 147.00	0.6000	0.6000
T3	8	1-5/8"	127.00 - 147.00	0.6000	0.6000
T3	9	1-5/8" Fiber	127.00 - 147.00	0.0000	0.0000
T3	10	1.9" Fiber	127.00 - 147.00	0.0000	0.0000
T3	11	Feedline Ladder (Af)	127.00 - 147.00	0.6000	0.6000
T3	13	1-5/8"	127.00 - 147.00	0.6000	0.6000
T3	14	1-5/8" Hybrid	127.00 - 147.00	0.6000	0.6000
T3	15	Feedline Ladder (Af)	127.00 - 147.00	0.6000	0.6000
T3	17	1-5/8"	127.00 - 147.00	0.6000	0.6000
T3	18	1-5/8"	127.00 - 147.00	0.6000	0.6000
T3	19	1-5/8"	127.00 - 147.00	0.6000	0.6000
T3	20	3/4" DC Power	127.00 - 147.00	0.6000	0.6000
T3	21	3/8" RET	127.00 - 147.00	0.6000	0.6000
T3	22	3" Conduit	127.00 - 147.00	0.6000	0.6000
T3	23	3/4" DC Power [Inside 3" Conduit]	127.00 - 147.00	0.0000	0.0000
T3	24	1/2" Fiber [Inside 3" Conduit]	127.00 - 147.00	0.0000	0.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T3	25	Feedline Ladder (Af)	127.00 - 147.00	0.6000	0.6000
T3	27	1.6" Hybrid	127.00 - 147.00	0.6000	0.6000
T3	28	Feedline Ladder (Af)	127.00 - 147.00	0.6000	0.6000
T4	1	Safety Cable	107.00 - 127.00	0.6000	0.6000
T4	2	Step Bolts	107.00 - 127.00	0.6000	0.6000
T4	6	1-1/4"	107.00 - 127.00	0.6000	0.6000
T4	8	1-5/8"	107.00 - 127.00	0.6000	0.6000
T4	9	1-5/8" Fiber	107.00 - 127.00	0.0000	0.0000
T4	10	1.9" Fiber	107.00 - 127.00	0.0000	0.0000
T4	11	Feedline Ladder (Af)	107.00 - 127.00	0.6000	0.6000
T4	13	1-5/8"	107.00 - 127.00	0.6000	0.6000
T4	14	1-5/8" Hybrid	107.00 - 127.00	0.6000	0.6000
T4	15	Feedline Ladder (Af)	107.00 - 127.00	0.6000	0.6000
T4	17	1-5/8"	107.00 - 127.00	0.6000	0.6000
T4	18	1-5/8"	107.00 - 127.00	0.6000	0.6000
T4	19	1-5/8"	107.00 - 127.00	0.6000	0.6000
T4	20	3/4" DC Power	107.00 - 127.00	0.6000	0.6000
T4	21	3/8" RET	107.00 - 127.00	0.6000	0.6000
T4	22	3" Conduit	107.00 - 127.00	0.6000	0.6000
T4	23	3/4" DC Power [Inside 3" Conduit]	107.00 - 127.00	0.0000	0.0000
T4	24	1/2" Fiber [Inside 3" Conduit]	107.00 - 127.00	0.0000	0.0000
T4	25	Feedline Ladder (Af)	107.00 - 127.00	0.6000	0.6000
T4	27	1.6" Hybrid	107.00 - 127.00	0.6000	0.6000
T4	28	Feedline Ladder (Af)	107.00 - 127.00	0.6000	0.6000
T5	1	Safety Cable	87.00 - 107.00	0.6000	0.6000
T5	2	Step Bolts	87.00 - 107.00	0.6000	0.6000
T5	6	1-1/4"	87.00 - 107.00	0.6000	0.6000
T5	8	1-5/8"	87.00 - 107.00	0.6000	0.6000
T5	9	1-5/8" Fiber	87.00 - 107.00	0.0000	0.0000
T5	10	1.9" Fiber	87.00 - 107.00	0.0000	0.0000
T5	11	Feedline Ladder (Af)	87.00 - 107.00	0.6000	0.6000
T5	13	1-5/8"	87.00 - 107.00	0.6000	0.6000
T5	14	1-5/8" Hybrid	87.00 - 107.00	0.6000	0.6000
T5	15	Feedline Ladder (Af)	87.00 - 107.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T5	17	1-5/8"	87.00 - 107.00	0.6000	0.6000
T5	18	1-5/8"	87.00 - 107.00	0.6000	0.6000
T5	19	1-5/8"	87.00 - 107.00	0.6000	0.6000
T5	20	3/4" DC Power	87.00 - 107.00	0.6000	0.6000
T5	21	3/8" RET	87.00 - 107.00	0.6000	0.6000
T5	22	3" Conduit	87.00 - 107.00	0.6000	0.6000
T5	23	3/4" DC Power [Inside 3" Conduit]	87.00 - 107.00	0.0000	0.0000
T5	24	1/2" Fiber [Inside 3" Conduit]	87.00 - 107.00	0.0000	0.0000
T5	25	Feedline Ladder (Af)	87.00 - 107.00	0.6000	0.6000
T5	27	1.6" Hybrid	87.00 - 107.00	0.6000	0.6000
T5	28	Feedline Ladder (Af)	87.00 - 107.00	0.6000	0.6000
T6	1	Safety Cable	67.00 - 87.00	0.6000	0.6000
T6	2	Step Bolts	67.00 - 87.00	0.6000	0.6000
T6	6	1-1/4"	67.00 - 87.00	0.6000	0.6000
T6	8	1-5/8"	67.00 - 87.00	0.6000	0.6000
T6	9	1-5/8" Fiber	67.00 - 87.00	0.0000	0.0000
T6	10	1.9" Fiber	67.00 - 87.00	0.0000	0.0000
T6	11	Feedline Ladder (Af)	67.00 - 87.00	0.6000	0.6000
T6	13	1-5/8"	67.00 - 87.00	0.6000	0.6000
T6	14	1-5/8" Hybrid	67.00 - 87.00	0.6000	0.6000
T6	15	Feedline Ladder (Af)	67.00 - 87.00	0.6000	0.6000
T6	17	1-5/8"	67.00 - 87.00	0.6000	0.6000
T6	18	1-5/8"	67.00 - 87.00	0.6000	0.6000
T6	19	1-5/8"	67.00 - 87.00	0.6000	0.6000
T6	20	3/4" DC Power	67.00 - 87.00	0.6000	0.6000
T6	21	3/8" RET	67.00 - 87.00	0.6000	0.6000
T6	22	3" Conduit	67.00 - 87.00	0.6000	0.6000
T6	23	3/4" DC Power [Inside 3" Conduit]	67.00 - 87.00	0.0000	0.0000
T6	24	1/2" Fiber [Inside 3" Conduit]	67.00 - 87.00	0.0000	0.0000
T6	25	Feedline Ladder (Af)	67.00 - 87.00	0.6000	0.6000
T6	27	1.6" Hybrid	67.00 - 87.00	0.6000	0.6000
T6	28	Feedline Ladder (Af)	67.00 - 87.00	0.6000	0.6000
T6	30	1/2"	67.00 - 78.00	0.6000	0.6000
T7	1	Safety Cable	47.00 - 67.00	0.6000	0.6000
T7	2	Step Bolts	47.00 - 67.00	0.6000	0.6000
T7	3	Step Bolts	47.00 - 67.00	0.6000	0.6000
T7	4	Step Bolts	47.00 - 67.00	0.6000	0.6000
T7	6	1-1/4"	47.00 - 67.00	0.6000	0.6000
T7	8	1-5/8"	47.00 - 67.00	0.6000	0.6000
T7	9	1-5/8" Fiber	47.00 - 67.00	0.0000	0.0000
T7	10	1.9" Fiber	47.00 - 67.00	0.0000	0.0000
T7	11	Feedline Ladder (Af)	47.00 - 67.00	0.6000	0.6000
T7	13	1-5/8"	47.00 - 67.00	0.6000	0.6000
T7	14	1-5/8" Hybrid	47.00 - 67.00	0.6000	0.6000
T7	15	Feedline Ladder (Af)	47.00 - 67.00	0.6000	0.6000
T7	17	1-5/8"	47.00 - 67.00	0.6000	0.6000
T7	18	1-5/8"	47.00 - 67.00	0.6000	0.6000
T7	19	1-5/8"	47.00 - 67.00	0.6000	0.6000
T7	20	3/4" DC Power	47.00 - 67.00	0.6000	0.6000
T7	21	3/8" RET	47.00 - 67.00	0.6000	0.6000
T7	22	3" Conduit	47.00 - 67.00	0.6000	0.6000
T7	23	3/4" DC Power [Inside 3" Conduit]	47.00 - 67.00	0.0000	0.0000
T7	24	1/2" Fiber [Inside 3" Conduit]	47.00 - 67.00	0.0000	0.0000
T7	25	Feedline Ladder (Af)	47.00 - 67.00	0.6000	0.6000
T7	27	1.6" Hybrid	47.00 - 67.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T7	28	Feedline Ladder (Af)	47.00 - 67.00	0.6000	0.6000
T7	30	1/2"	47.00 - 67.00	0.6000	0.6000
T8	1	Safety Cable	27.00 - 47.00	0.6000	0.6000
T8	2	Step Bolts	27.00 - 47.00	0.6000	0.6000
T8	3	Step Bolts	27.00 - 47.00	0.6000	0.6000
T8	4	Step Bolts	27.00 - 47.00	0.6000	0.6000
T8	6	1-1/4"	27.00 - 47.00	0.6000	0.6000
T8	8	1-5/8"	27.00 - 47.00	0.6000	0.6000
T8	9	1-5/8" Fiber	27.00 - 47.00	0.0000	0.0000
T8	10	1.9" Fiber	27.00 - 47.00	0.0000	0.0000
T8	11	Feedline Ladder (Af)	27.00 - 47.00	0.6000	0.6000
T8	13	1-5/8"	27.00 - 47.00	0.6000	0.6000
T8	14	1-5/8" Hybrid	27.00 - 47.00	0.6000	0.6000
T8	15	Feedline Ladder (Af)	27.00 - 47.00	0.6000	0.6000
T8	17	1-5/8"	27.00 - 47.00	0.6000	0.6000
T8	18	1-5/8"	27.00 - 47.00	0.6000	0.6000
T8	19	1-5/8"	27.00 - 47.00	0.6000	0.6000
T8	20	3/4" DC Power	27.00 - 47.00	0.6000	0.6000
T8	21	3/8" RET	27.00 - 47.00	0.6000	0.6000
T8	22	3" Conduit	27.00 - 47.00	0.6000	0.6000
T8	23	3/4" DC Power [Inside 3" Conduit]	27.00 - 47.00	0.0000	0.0000
T8	24	1/2" Fiber [Inside 3" Conduit]	27.00 - 47.00	0.0000	0.0000
T8	25	Feedline Ladder (Af)	27.00 - 47.00	0.6000	0.6000
T8	27	1.6" Hybrid	27.00 - 47.00	0.6000	0.6000
T8	28	Feedline Ladder (Af)	27.00 - 47.00	0.6000	0.6000
T8	30	1/2"	27.00 - 47.00	0.6000	0.6000
T8	32	1/2"	27.00 - 32.00	0.6000	0.6000
T9	1	Safety Cable	12.00 - 27.00	0.6000	0.6000
T9	2	Step Bolts	7.00 - 27.00	0.6000	0.6000
T9	3	Step Bolts	7.00 - 27.00	0.6000	0.6000
T9	4	Step Bolts	7.00 - 27.00	0.6000	0.6000
T9	6	1-1/4"	12.00 - 27.00	0.6000	0.6000
T9	8	1-5/8"	12.00 - 27.00	0.6000	0.6000
T9	9	1-5/8" Fiber	12.00 - 27.00	0.0000	0.0000
T9	10	1.9" Fiber	12.00 - 27.00	0.0000	0.0000
T9	11	Feedline Ladder (Af)	12.00 - 27.00	0.6000	0.6000
T9	13	1-5/8"	12.00 - 27.00	0.6000	0.6000
T9	14	1-5/8" Hybrid	12.00 - 27.00	0.6000	0.6000
T9	15	Feedline Ladder (Af)	12.00 - 27.00	0.6000	0.6000
T9	17	1-5/8"	12.00 - 27.00	0.6000	0.6000
T9	18	1-5/8"	12.00 - 27.00	0.6000	0.6000
T9	19	1-5/8"	12.00 - 27.00	0.6000	0.6000
T9	20	3/4" DC Power	12.00 - 27.00	0.6000	0.6000
T9	21	3/8" RET	12.00 - 27.00	0.6000	0.6000
T9	22	3" Conduit	12.00 - 27.00	0.6000	0.6000
T9	23	3/4" DC Power [Inside 3" Conduit]	12.00 - 27.00	0.0000	0.0000
T9	24	1/2" Fiber [Inside 3" Conduit]	12.00 - 27.00	0.0000	0.0000
T9	25	Feedline Ladder (Af)	12.00 - 27.00	0.6000	0.6000
T9	27	1.6" Hybrid	12.00 - 27.00	0.6000	0.6000
T9	28	Feedline Ladder (Af)	12.00 - 27.00	0.6000	0.6000
T9	30	1/2"	12.00 - 27.00	0.6000	0.6000
T9	32	1/2"	12.00 - 27.00	0.6000	0.6000

User Defined Loads - Seismic

Description	Elevation	Offset From Centroid	Azimuth Angle	E_v	E_{hx}	E_{hz}	E_h
	ft	ft	°	K	K	K	K
Seismic Load @187	187.00	0.00	0.00	0.32	0.00	0.00	0.94
Seismic Load @167	167.00	0.00	0.00	0.20	0.00	0.00	0.48
Seismic Load @147	147.00	0.00	0.00	0.20	0.00	0.00	0.42
Seismic Load @127	127.00	0.00	0.00	0.14	0.00	0.00	0.24
Seismic Load @107	107.00	0.00	0.00	0.15	0.00	0.00	0.21
Seismic Load @87	87.00	0.00	0.00	0.19	0.00	0.00	0.21
Seismic Load @67	67.00	0.00	0.00	0.19	0.00	0.00	0.16
Seismic Load @47	47.00	0.00	0.00	0.23	0.00	0.00	0.13
Seismic Load @27	27.00	0.00	0.00	0.22	0.00	0.00	0.07

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
*****									
*****									
DB222-A	C	From Leg	0.00 0.00 5.25	0.00	187.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.65 3.73 4.82 7.00	2.65 3.73 4.82 7.00	0.02 0.03 0.05 0.09
*****									
APXVAARR24_43-U-NA20 (95.9" x 24" x 8.7") w/ mount pipe	A	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	20.24 20.90 21.56 22.87	10.79 12.19 13.58 16.38	0.16 0.30 0.44 0.72
APXVAARR24_43-U-NA20 (95.9" x 24" x 8.7") w/ mount pipe	B	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	20.24 20.90 21.56 22.87	10.79 12.19 13.58 16.38	0.16 0.30 0.44 0.72
APXVAARR24_43-U-NA20 (95.9" x 24" x 8.7") w/ mount pipe	C	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	20.24 20.90 21.56 22.87	10.79 12.19 13.58 16.38	0.16 0.30 0.44 0.72
Air 6419 B41 (36.3" x 20.9" x 9") w/ mount pipe	A	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.50 8.28 9.06 10.63	4.78 5.83 6.88 8.98	0.11 0.17 0.23 0.34
Air 6419 B41 (36.3" x 20.9" x 9") w/ mount pipe	B	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.50 8.28 9.06 10.63	4.78 5.83 6.88 8.98	0.11 0.17 0.23 0.34

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
Air 6419 B41 (36.3" x 20.9" x 9") w/ mount pipe	C	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.50 8.28 9.06 10.63	4.78 5.83 6.88 8.98	0.11 0.17 0.23 0.34
VV-65A-R1 (54.72" x 12.08" x 4.64") w/ mount pipe	A	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.74 7.45 8.16 9.59	4.65 5.79 6.93 9.22	0.05 0.10 0.16 0.26
VV-65A-R1 (54.72" x 12.08" x 4.64") w/ mount pipe	B	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.74 7.45 8.16 9.59	4.65 5.79 6.93 9.22	0.05 0.10 0.16 0.26
VV-65A-R1 (54.72" x 12.08" x 4.64") w/ mount pipe	C	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.74 7.45 8.16 9.59	4.65 5.79 6.93 9.22	0.05 0.10 0.16 0.26
KRY 112 489/2 (11" x 6.1" x 3.94")	A	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.56 0.65 0.74 0.91	0.37 0.45 0.54 0.71	0.02 0.02 0.02 0.03
KRY 112 489/2 (11" x 6.1" x 3.94")	B	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.56 0.65 0.74 0.91	0.37 0.45 0.54 0.71	0.02 0.02 0.02 0.03
KRY 112 489/2 (11" x 6.1" x 3.94")	C	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.56 0.65 0.74 0.91	0.37 0.45 0.54 0.71	0.02 0.02 0.02 0.03
KRY 112 144/1 (6.93" x 6.1" x 2.8")	A	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.42 0.49 0.63	0.16 0.21 0.27 0.37	0.01 0.01 0.02 0.02
KRY 112 144/1 (6.93" x 6.1" x 2.8")	B	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.42 0.49 0.63	0.16 0.21 0.27 0.37	0.01 0.01 0.02 0.02
KRY 112 144/1 (6.93" x 6.1" x 2.8")	C	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.42 0.49 0.63	0.16 0.21 0.27 0.37	0.01 0.01 0.02 0.02
4449 B71 + B85 (17.9" x 13.1" x 10.6")	A	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.95 2.11 2.27 2.58	1.58 1.72 1.87 2.15	0.08 0.09 0.11 0.14
4449 B71 + B85 (17.9" x 13.1" x 10.6")	B	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.95 2.11 2.27 2.58	1.58 1.72 1.87 2.15	0.08 0.09 0.11 0.14
4449 B71 + B85 (17.9" x 13.1" x 10.6")	C	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.95 2.11 2.27 2.58	1.58 1.72 1.87 2.15	0.08 0.09 0.11 0.14

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
4460 B25 + B66 (15.1" x 17" x 11.9")	A	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.30 2.46 2.78	1.50 1.63 1.77 2.04	0.10 0.12 0.14 0.17
4460 B25 + B66 (15.1" x 17" x 11.9")	B	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.30 2.46 2.78	1.50 1.63 1.77 2.04	0.10 0.12 0.14 0.17
4460 B25 + B66 (15.1" x 17" x 11.9")	C	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.30 2.46 2.78	1.50 1.63 1.77 2.04	0.10 0.12 0.14 0.17
782 11056 (5.5" x 3.2" x 1.8")	A	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.15 0.19 0.24 0.34	0.08 0.13 0.17 0.26	0.00 0.00 0.00 0.01
782 11056 (5.5" x 3.2" x 1.8")	B	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.15 0.19 0.24 0.34	0.08 0.13 0.17 0.26	0.00 0.00 0.00 0.01
782 11056 (5.5" x 3.2" x 1.8")	C	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.15 0.19 0.24 0.34	0.08 0.13 0.17 0.26	0.00 0.00 0.00 0.01
Empty Mount Pipe	A	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.56 5.22	1.90 2.73 3.56 5.22	0.07 0.08 0.10 0.13
Empty Mount Pipe	B	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.56 5.22	1.90 2.73 3.56 5.22	0.07 0.08 0.10 0.13
Empty Mount Pipe	C	From Leg	3.00 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.56 5.22	1.90 2.73 3.56 5.22	0.07 0.08 0.10 0.13
T-Frames	A	From Leg	1.50 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	16.58 20.58 24.58 32.58	10.27 13.30 16.33 22.39	0.32 0.48 0.64 0.96
T-Frames	B	From Leg	1.50 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	16.58 20.58 24.58 32.58	10.27 13.30 16.33 22.39	0.32 0.48 0.64 0.96
T-Frames	C	From Leg	1.50 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	16.58 20.58 24.58 32.58	10.27 13.30 16.33 22.39	0.32 0.48 0.64 0.96
V-Brace + Support Rail	A	From Leg	1.50 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 9.44 11.33 15.11	3.01 3.76 4.51 6.01	0.28 0.32 0.34 0.41
V-Brace + Support Rail	B	From Leg	1.50	0.00	186.00	No Ice	7.55	3.01	0.28

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00 0.00			1/2" Ice 1" Ice 2" Ice	9.44 11.33 15.11	3.76 4.51 6.01	0.32 0.34 0.41
V-Brace + Support Rail	C	From Leg	1.50 0.00 0.00	0.00	186.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 9.44 11.33 15.11	3.01 3.76 4.51 6.01	0.28 0.32 0.34 0.41
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(2) NHH-65B-R2B (72" x 11.9" x 7.1") w/ mount pipe	A	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.55 9.22 9.88 11.20	7.24 8.49 9.75 12.25	0.07 0.14 0.21 0.34
(2) NHH-65B-R2B (72" x 11.9" x 7.1") w/ mount pipe	B	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.55 9.22 9.88 11.20	7.24 8.49 9.75 12.25	0.07 0.14 0.21 0.34
(2) NHH-65B-R2B (72" x 11.9" x 7.1") w/ mount pipe	C	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.55 9.22 9.88 11.20	7.24 8.49 9.75 12.25	0.07 0.14 0.21 0.34
MT6407-77A (35.06" x 16.06" x 5.51") w/ mount pipe	A	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.90 6.66 7.42 8.94	3.74 4.77 5.79 7.85	0.11 0.15 0.20 0.29
MT6407-77A (35.06" x 16.06" x 5.51") w/ mount pipe	B	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.90 6.66 7.42 8.94	3.74 4.77 5.79 7.85	0.11 0.15 0.20 0.29
MT6407-77A (35.06" x 16.16" x 5.51") w/ mount pipe	C	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.93 6.69 7.45 8.97	3.74 4.77 5.79 7.85	0.11 0.15 0.20 0.29
BXA-70080-4CF (47.5" x 8" x 6.1") w/ mount pipe	A	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.53 5.24 5.95 7.38	4.77 5.88 6.99 9.20	0.04 0.08 0.12 0.20
BXA-70080-4CF (47.5" x 8" x 6.1") w/ mount pipe	B	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.53 5.24 5.95 7.38	4.77 5.88 6.99 9.20	0.04 0.08 0.12 0.20
BXA-70080-4CF (47.5" x 8" x 6.1") w/ mount pipe	C	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.53 5.24 5.95 7.38	4.77 5.88 6.99 9.20	0.04 0.08 0.12 0.20
RF4439d-25A_AWS-PCS (14.96" x 14.96" x 10.4")	A	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.02 2.17 2.47	1.30 1.42 1.55 1.81	0.07 0.09 0.10 0.13
RF4439d-25A_AWS-PCS (14.96" x 14.96" x 10.4")	B	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.02 2.17 2.47	1.30 1.42 1.55 1.81	0.07 0.09 0.10 0.13

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
RF4439d-25A_AWS-PCS (14.96" x 14.96" x 10.4")	C	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.02 2.17 2.47	1.30 1.42 1.55 1.81	0.07 0.09 0.10 0.13
RF4440d-13A_700-850MHz (14.96" x 14.96" x 9.05")	A	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.02 2.17 2.47	1.13 1.25 1.37 1.61	0.07 0.08 0.10 0.13
RF4440d-13A_700-850MHz (14.96" x 14.96" x 9.05")	B	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.02 2.17 2.47	1.13 1.25 1.37 1.61	0.07 0.08 0.10 0.13
RF4440d-13A_700-850MHz (14.96" x 14.96" x 9.05")	C	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.02 2.17 2.47	1.13 1.25 1.37 1.61	0.07 0.08 0.10 0.13
RVZDC-6627-PF-48 (29.5" x 16.5" x 12.6")	C	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.06 4.28 4.51 4.97	3.10 3.31 3.52 3.94	0.03 0.06 0.10 0.16
BSF0020F3V1-1 (10.6" x 10.9" x 3.15")	A	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.96 1.07 1.18 1.40	0.29 0.37 0.45 0.61	0.02 0.02 0.03 0.04
BSF0020F3V1-1 (10.6" x 10.9" x 3.15")	B	From Leg	3.00 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.96 1.07 1.18 1.40	0.29 0.37 0.45 0.61	0.02 0.02 0.03 0.04
14' Sector Frames	A	From Leg	1.50 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	16.49 22.61 28.73 40.97	11.11 16.35 21.59 32.07	0.57 0.78 0.98 1.39
14' Sector Frames	B	From Leg	1.50 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	16.49 22.61 28.73 40.97	11.11 16.35 21.59 32.07	0.57 0.78 0.98 1.39
14' Sector Frames	C	From Leg	1.50 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	16.49 22.61 28.73 40.97	11.11 16.35 21.59 32.07	0.57 0.78 0.98 1.39
Side-By-Side Mounting Kit [Commscope BSAMNT-SBS-1-2]	A	From Leg	1.50 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.22 0.26 0.30 0.38	0.30 0.35 0.40 0.50	0.07 0.09 0.10 0.14
Side-By-Side Mounting Kit [Commscope BSAMNT-SBS-1-2]	B	From Leg	1.50 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.22 0.26 0.30 0.38	0.30 0.35 0.40 0.50	0.07 0.09 0.10 0.14
Side-By-Side Mounting Kit [Commscope BSAMNT-SBS-1-2]	C	From Leg	1.50 0.00 0.00	0.00	177.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.22 0.26 0.30 0.38	0.30 0.35 0.40 0.50	0.07 0.09 0.10 0.14

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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
7770 (55" x 11" x 5") w/ mount pipe	A	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.32 7.03 7.73 9.14	4.83 5.97 7.12 9.41	0.06 0.11 0.16 0.26
7770 (55" x 11" x 5") w/ mount pipe	B	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.32 7.03 7.73 9.14	4.83 5.97 7.12 9.41	0.06 0.11 0.16 0.26
7770 (55" x 11" x 5") w/ mount pipe	C	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.32 7.03 7.73 9.14	4.83 5.97 7.12 9.41	0.06 0.11 0.16 0.26
(2) P65-17-XLH-RR (96" x 12" x 6") w/ mount pipe	A	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.47 12.08 12.70 13.93	8.70 10.08 11.47 14.23	0.10 0.18 0.26 0.43
P65-17-XLH-RR (96" x 12" x 6") w/ mount pipe	B	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.47 12.08 12.70 13.93	8.70 10.08 11.47 14.23	0.10 0.18 0.26 0.43
P65-17-XLH-RR (96" x 12" x 6") w/ mount pipe	C	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.47 12.08 12.70 13.93	8.70 10.08 11.47 14.23	0.10 0.18 0.26 0.43
AM-X-CD-16-65-00T (54" x 12.5" x 7.87") w/ mount pipe	B	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.84 7.55 8.27 9.70	6.01 7.16 8.30 10.58	0.06 0.12 0.17 0.29
AM-X-CD-16-65-00T (54" x 12.5" x 7.87") w/ mount pipe	C	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.84 7.55 8.27 9.70	6.01 7.16 8.30 10.58	0.06 0.12 0.17 0.29
800 10121 (54.5" x 10.3" x 5.9") w/ mount pipe	A	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.98 6.69 7.39 8.80	5.19 6.34 7.49 9.78	0.04 0.08 0.13 0.23
800 10121 (54.5" x 10.3" x 5.9") w/ mount pipe	B	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.98 6.69 7.39 8.80	5.19 6.34 7.49 9.78	0.04 0.08 0.13 0.23
800 10121 (54.5" x 10.3" x 5.9") w/ mount pipe	C	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.98 6.69 7.39 8.80	5.19 6.34 7.49 9.78	0.04 0.08 0.13 0.23
(2) DTMA BP7819VG12A (10.6" x 11.02" x 3.78")	A	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.97 1.08 1.19 1.41	0.34 0.42 0.50 0.67	0.02 0.03 0.03 0.05
(2) DTMA BP7819VG12A (10.6" x 11.02" x 3.78")	B	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.97 1.08 1.19 1.41	0.34 0.42 0.50 0.67	0.02 0.03 0.03 0.05

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
(2) DTMA BP7819VG12A (10.6" x 11.02" x 3.78")	C	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.97 1.08 1.19 1.41	0.34 0.42 0.50 0.67	0.02 0.03 0.03 0.05
(2) TT19-08BP111-001 (14.2" x 6.7" x 5.4")	A	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.79 0.90 1.01 1.22	0.64 0.74 0.84 1.03	0.02 0.03 0.04 0.05
(2) TT19-08BP111-001 (14.2" x 6.7" x 5.4")	B	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.79 0.90 1.01 1.22	0.64 0.74 0.84 1.03	0.02 0.03 0.04 0.05
(2) TT19-08BP111-001 (14.2" x 6.7" x 5.4")	C	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.79 0.90 1.01 1.22	0.64 0.74 0.84 1.03	0.02 0.03 0.04 0.05
(2) 860 10025 (7" x 2.4" x 2")	A	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.14 0.20 0.25 0.37	0.12 0.18 0.23 0.34	0.00 0.00 0.00 0.01
(2) 860 10025 (7" x 2.4" x 2")	B	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.14 0.20 0.25 0.37	0.12 0.18 0.23 0.34	0.00 0.00 0.00 0.01
(2) 860 10025 (7" x 2.4" x 2")	C	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.14 0.20 0.25 0.37	0.12 0.18 0.23 0.34	0.00 0.00 0.00 0.01
(2) RRUS-11 (17" x 17.8" x 7.2")	A	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.52 2.70 2.87 3.22	1.02 1.14 1.27 1.51	0.05 0.07 0.08 0.12
(2) RRUS-11 (17" x 17.8" x 7.2")	B	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.52 2.70 2.87 3.22	1.02 1.14 1.27 1.51	0.05 0.07 0.08 0.12
(2) RRUS-11 (17" x 17.8" x 7.2")	C	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.52 2.70 2.87 3.22	1.02 1.14 1.27 1.51	0.05 0.07 0.08 0.12
DC6-48-60-18-8F (24" x 11" x 11")	C	From Leg	3.00 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.20 2.38 2.55 2.90	2.20 2.38 2.55 2.90	0.03 0.05 0.07 0.11
13' Boom Gate	A	From Leg	1.50 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	18.13 21.75 25.37 32.61	10.84 14.39 17.94 25.04	0.49 0.68 0.87 1.25
13' Boom Gate	B	From Leg	1.50 0.00 0.00	0.00	157.00	No Ice 1/2" Ice 1" Ice 2" Ice	18.13 21.75 25.37 32.61	10.84 14.39 17.94 25.04	0.49 0.68 0.87 1.25
13' Boom Gate	C	From Leg	1.50	0.00	157.00	No Ice	18.13	10.84	0.49

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1/2" Ice	21.75	14.39	0.68
			0.00			1" Ice	25.37	17.94	0.87
						2" Ice	32.61	25.04	1.25
*****									
MX08FRO665-21 (72" x 20" x 8") w/ mount pipe	A	From Leg	3.00	0.00	147.00	No Ice	12.96	7.77	0.09
			0.00			1/2" Ice	13.67	9.02	0.19
			0.00			1" Ice	14.37	10.28	0.28
						2" Ice	15.78	12.80	0.47
MX08FRO665-21 (72" x 20" x 8") w/ mount pipe	B	From Leg	3.00	0.00	147.00	No Ice	12.96	7.77	0.09
			0.00			1/2" Ice	13.67	9.02	0.19
			0.00			1" Ice	14.37	10.28	0.28
						2" Ice	15.78	12.80	0.47
MX08FRO665-21 (72" x 20" x 8") w/ mount pipe	C	From Leg	3.00	0.00	147.00	No Ice	12.96	7.77	0.09
			0.00			1/2" Ice	13.67	9.02	0.19
			0.00			1" Ice	14.37	10.28	0.28
						2" Ice	15.78	12.80	0.47
TA08025-B605 (15.75" x 14.96" x 9.05")	A	From Leg	3.00	0.00	147.00	No Ice	1.96	1.19	0.07
			0.00			1/2" Ice	2.12	1.31	0.09
			0.00			1" Ice	2.27	1.44	0.10
						2" Ice	2.58	1.69	0.13
TA08025-B605 (15.75" x 14.96" x 9.05")	B	From Leg	3.00	0.00	147.00	No Ice	1.96	1.19	0.07
			0.00			1/2" Ice	2.12	1.31	0.09
			0.00			1" Ice	2.27	1.44	0.10
						2" Ice	2.58	1.69	0.13
TA08025-B605 (15.75" x 14.96" x 9.05")	C	From Leg	3.00	0.00	147.00	No Ice	1.96	1.19	0.07
			0.00			1/2" Ice	2.12	1.31	0.09
			0.00			1" Ice	2.27	1.44	0.10
						2" Ice	2.58	1.69	0.13
TA08025-B604 (15.75" x 14.96" x 7.87")	A	From Leg	3.00	0.00	147.00	No Ice	1.96	1.03	0.06
			0.00			1/2" Ice	2.12	1.15	0.08
			0.00			1" Ice	2.27	1.27	0.09
						2" Ice	2.58	1.51	0.12
TA08025-B604 (15.75" x 14.96" x 7.87")	B	From Leg	3.00	0.00	147.00	No Ice	1.96	1.03	0.06
			0.00			1/2" Ice	2.12	1.15	0.08
			0.00			1" Ice	2.27	1.27	0.09
						2" Ice	2.58	1.51	0.12
TA08025-B604 (15.75" x 14.96" x 7.87")	C	From Leg	3.00	0.00	147.00	No Ice	1.96	1.03	0.06
			0.00			1/2" Ice	2.12	1.15	0.08
			0.00			1" Ice	2.27	1.27	0.09
						2" Ice	2.58	1.51	0.12
RDIDC-9181-PF-48 (16.57" x 14.57" x 8.15")	C	From Leg	3.00	0.00	147.00	No Ice	2.01	1.13	0.02
			0.00			1/2" Ice	2.17	1.25	0.04
			0.00			1" Ice	2.32	1.38	0.05
						2" Ice	2.64	1.63	0.08
(2) Empty Mount Pipe	A	From Leg	3.00	0.00	147.00	No Ice	1.90	1.90	0.07
			0.00			1/2" Ice	2.73	2.73	0.08
			0.00			1" Ice	3.56	3.56	0.10
						2" Ice	5.22	5.22	0.13
(2) Empty Mount Pipe	B	From Leg	3.00	0.00	147.00	No Ice	1.90	1.90	0.07
			0.00			1/2" Ice	2.73	2.73	0.08
			0.00			1" Ice	3.56	3.56	0.10
						2" Ice	5.22	5.22	0.13
(2) Empty Mount Pipe	C	From Leg	3.00	0.00	147.00	No Ice	1.90	1.90	0.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00 0.00			1/2" Ice	2.73	2.73	0.08
						1" Ice	3.56	3.56	0.10
						2" Ice	5.22	5.22	0.13
Sector Frames [Commscope MTC3975083]	A	From Leg	1.50 0.00 0.00	0.00	147.00	No Ice	10.60	8.10	0.35
						1/2" Ice	16.40	12.60	0.44
						1" Ice	22.20	17.10	0.53
						2" Ice	33.80	26.10	0.70
Sector Frames [Commscope MTC3975083]	B	From Leg	1.50 0.00 0.00	0.00	147.00	No Ice	10.60	8.10	0.35
						1/2" Ice	16.40	12.60	0.44
						1" Ice	22.20	17.10	0.53
						2" Ice	33.80	26.10	0.70
Sector Frames [Commscope MTC3975083]	C	From Leg	1.50 0.00 0.00	0.00	147.00	No Ice	10.60	8.10	0.35
						1/2" Ice	16.40	12.60	0.44
						1" Ice	22.20	17.10	0.53
						2" Ice	33.80	26.10	0.70
***** GPS (7.5" x 3")	C	From Leg	3.00 0.00 0.00	0.00	78.00	No Ice	0.11	0.11	0.01
						1/2" Ice	0.17	0.17	0.01
						1" Ice	0.22	0.22	0.01
						2" Ice	0.33	0.33	0.02
36" Standoff	C	From Leg	1.00 0.00 0.00	0.00	78.00	No Ice	1.78	3.79	0.13
						1/2" Ice	2.24	4.47	0.15
						1" Ice	2.70	5.15	0.18
						2" Ice	3.62	6.51	0.24
***** GPS (6.5" x 3.75")	C	From Leg	3.00 0.00 0.00	0.00	32.00	No Ice	0.12	0.12	0.01
						1/2" Ice	0.17	0.17	0.01
						1" Ice	0.23	0.23	0.01
						2" Ice	0.34	0.34	0.02
18" Standoff	C	From Leg	1.00 0.00 0.00	0.00	32.00	No Ice	1.78	2.61	0.10
						1/2" Ice	2.24	3.15	0.12
						1" Ice	2.70	3.69	0.14
						2" Ice	3.62	4.77	0.18

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

Comb. No.	Description
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service
51	1.2 Dead+1.0 Ev+1.0 Eh 0 deg
52	0.9 Dead-1.0 Ev+1.0 Eh 0 deg
53	1.2 Dead+1.0 Ev+1.0 Eh 30 deg
54	0.9 Dead-1.0 Ev+1.0 Eh 30 deg
55	1.2 Dead+1.0 Ev+1.0 Eh 60 deg
56	0.9 Dead-1.0 Ev+1.0 Eh 60 deg
57	1.2 Dead+1.0 Ev+1.0 Eh 90 deg
58	0.9 Dead-1.0 Ev+1.0 Eh 90 deg
59	1.2 Dead+1.0 Ev+1.0 Eh 120 deg
60	0.9 Dead-1.0 Ev+1.0 Eh 120 deg
61	1.2 Dead+1.0 Ev+1.0 Eh 150 deg
62	0.9 Dead-1.0 Ev+1.0 Eh 150 deg
63	1.2 Dead+1.0 Ev+1.0 Eh 180 deg
64	0.9 Dead-1.0 Ev+1.0 Eh 180 deg
65	1.2 Dead+1.0 Ev+1.0 Eh 210 deg
66	0.9 Dead-1.0 Ev+1.0 Eh 210 deg
67	1.2 Dead+1.0 Ev+1.0 Eh 240 deg

Comb. No.	Description
68	0.9 Dead-1.0 Ev+1.0 Eh 240 deg
69	1.2 Dead+1.0 Ev+1.0 Eh 270 deg
70	0.9 Dead-1.0 Ev+1.0 Eh 270 deg
71	1.2 Dead+1.0 Ev+1.0 Eh 300 deg
72	0.9 Dead-1.0 Ev+1.0 Eh 300 deg
73	1.2 Dead+1.0 Ev+1.0 Eh 330 deg
74	0.9 Dead-1.0 Ev+1.0 Eh 330 deg

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	187 - 167	5.497	46	0.33	0.05
T2	167 - 147	4.137	46	0.30	0.05
T3	147 - 127	2.999	46	0.24	0.04
T4	127 - 107	2.092	46	0.18	0.04
T5	107 - 87	1.393	46	0.14	0.03
T6	87 - 67	0.862	46	0.10	0.02
T7	67 - 47	0.478	39	0.07	0.01
T8	47 - 27	0.224	39	0.04	0.01
T9	27 - 7	0.069	39	0.02	0.00

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
187.00	DB222-A	46	5.497	0.33	0.05	69454
186.00	APXVAARR24_43-U-NA20 (95.9" x 24" x 8.7") w/ mount pipe	46	5.426	0.33	0.05	69454
177.00	(2) NHH-65B-R2B (72" x 11.9" x 7.1") w/ mount pipe	46	4.800	0.32	0.05	34727
167.00	Seismic Load @167	46	4.137	0.30	0.05	18268
157.00	7770 (55" x 11" x 5") w/ mount pipe	46	3.537	0.27	0.05	19083
147.00	MX08FRO665-21 (72" x 20" x 8") w/ mount pipe	46	2.999	0.24	0.04	21027
127.00	Seismic Load @127	46	2.092	0.18	0.04	22545
107.00	Seismic Load @107	46	1.393	0.14	0.03	29370
87.00	Seismic Load @87	46	0.862	0.10	0.02	32823
78.00	GPS (7.5" x 3")	46	0.672	0.09	0.02	34019
67.00	Seismic Load @67	39	0.478	0.07	0.01	35931
47.00	Seismic Load @47	39	0.224	0.04	0.01	52472
32.00	GPS (6.5" x 3.75")	39	0.098	0.03	0.01	46477
27.00	Seismic Load @27	39	0.069	0.02	0.00	46688

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	187 - 167	20.690	16	1.25	0.20
T2	167 - 147	15.555	16	1.12	0.19
T3	147 - 127	11.259	16	0.89	0.17
T4	127 - 107	7.844	16	0.69	0.14
T5	107 - 87	5.217	2	0.53	0.11
T6	87 - 67	3.229	2	0.38	0.08
T7	67 - 47	1.791	2	0.26	0.06
T8	47 - 27	0.837	2	0.16	0.04
T9	27 - 7	0.256	2	0.08	0.02

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
187.00	DB222-A	16	20.690	1.25	0.20	18299
186.00	APXVAARR24_43-U-NA20 (95.9" x 24" x 8.7") w/ mount pipe	16	20.425	1.25	0.20	18299
177.00	(2) NHH-65B-R2B (72" x 11.9" x 7.1") w/ mount pipe	16	18.057	1.19	0.19	9149
167.00	Seismic Load @167	16	15.555	1.12	0.19	4812
157.00	7770 (55" x 11" x 5") w/ mount pipe	16	13.288	1.01	0.18	5040
147.00	MX08FRO665-21 (72" x 20" x 8") w/ mount pipe	16	11.259	0.89	0.17	5571
127.00	Seismic Load @127	16	7.844	0.69	0.14	5953
107.00	Seismic Load @107	2	5.217	0.53	0.11	7764
87.00	Seismic Load @87	2	3.229	0.38	0.08	8697
78.00	GPS (7.5" x 3")	2	2.517	0.32	0.07	9031
67.00	Seismic Load @67	2	1.791	0.26	0.06	9563
47.00	Seismic Load @47	2	0.837	0.16	0.04	13979
32.00	GPS (6.5" x 3.75")	2	0.367	0.10	0.02	12415
27.00	Seismic Load @27	2	0.256	0.08	0.02	12480

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	187	Leg	A325N	0.78	4	7.64	31.90	0.240 ✔	1	Bolt Tension
		Diagonal	A325N	0.63	1	4.91	9.11	0.539 ✔	1	Member Block Shear
		Top Girt	A325N	0.63	1	0.37	9.11	0.041 ✔	1	Member Block Shear

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
T2	167	Leg	A325N	0.88	4	17.47	41.56	0.420 ✓	1	Bolt Tension
		Diagonal	A325N	0.63	1	5.27	9.11	0.578 ✓	1	Member Block Shear
T3	147	Leg	A325N	1.00	4	27.49	54.52	0.504 ✓	1	Bolt Tension
		Diagonal	A325N	0.63	1	6.19	9.11	0.680 ✓	1	Member Block Shear
T4	127	Leg	A325N	1.00	6	23.86	54.52	0.438 ✓	1	Bolt Tension
		Diagonal	A325N	0.63	1	6.80	10.44	0.651 ✓	1	Member Bearing
T5	107	Leg	A325N	1.00	6	28.96	54.52	0.531 ✓	1	Bolt Tension
		Diagonal	A325N	0.63	1	7.20	10.44	0.690 ✓	1	Member Bearing
T6	87	Leg	A325N	1.00	8	25.46	54.52	0.467 ✓	1	Bolt Tension
		Diagonal	A325N	0.75	1	8.22	14.14	0.581 ✓	1	Member Bearing
T7	67	Leg	A325N	1.00	8	28.57	54.52	0.524 ✓	1	Bolt Tension
		Diagonal	A325N	0.75	1	9.13	14.14	0.646 ✓	1	Member Bearing
T8	47	Leg	A325N	1.00	8	32.02	54.52	0.587 ✓	1	Bolt Tension
		Diagonal	A325N	0.75	1	10.61	14.14	0.750 ✓	1	Member Bearing
T9	27	Diagonal	A325N	0.75	1	10.56	14.14	0.747 ✓	1	Member 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 $P_u / \phi P_n$
T1	187 - 167	ROHN 2.5 STD	20.00	4.00	50.7 K=1.00	1.70	-36.64	63.56	0.576 [1] ✓
T2	167 - 147	ROHN 3 EH	20.03	4.01	42.3 K=1.00	3.02	-80.97	119.06	0.680 [1] ✓
T3	147 - 127	ROHN 4 EH	20.03	5.01	40.7 K=1.00	4.41	-125.91	175.71	0.717 [1] ✓
T4	127 - 107	ROHN 5 EH	20.04	6.68	43.6 K=1.00	6.11	-162.29	239.38	0.678 [1] ✓
T5	107 - 87	ROHN 6 EHS	20.04	6.68	36.0 K=1.00	6.71	-196.90	274.76	0.717 [1] ✓
T6	87 - 67	ROHN 6 EH	20.03	6.68	36.5 K=1.00	8.40	-231.54	343.10	0.675 [1] ✓
T7	67 - 47	ROHN 8 EHS	20.04	10.02	41.2 K=1.00	9.72	-260.99	386.37	0.676 [1] ✓

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T8	47 - 27	ROHN 8 EH	20.03	10.02	41.8 K=1.00	12.76	-294.20	505.57	0.582 [1]
T9	27 - 7	ROHN 8 EH	20.04	10.02	41.8 K=1.00	12.76	-326.26	505.54	0.645 [1]

[1] P_u / ϕP_n controls

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	187 - 167	L2x2x1/4	6.08	2.76	93.6 K=1.10	0.94	-5.01	24.47	0.205 [1]
T2	167 - 147	L2x2x1/4	7.22	3.44	109.3 K=1.03	0.94	-5.26	21.09	0.249 [1]
T3	147 - 127	L2x2x1/4	9.80	4.71	144.5 K=1.00	0.94	-6.12	12.85	0.476 [1]
T4	127 - 107	L2 1/2x2 1/2x1/4	12.38	6.00	146.7 K=1.00	1.19	-6.86	15.82	0.433 [1]
T5	107 - 87	L2 1/2x2 1/2x1/4	14.22	6.88	168.1 K=1.00	1.19	-7.25	12.06	0.601 [1]
T6	87 - 67	L3x3x1/4	16.04	7.76	157.4 K=1.00	1.44	-8.21	16.64	0.493 [1]
T7	67 - 47	L3 1/2x3 1/2x1/4	19.34	9.43	163.1 K=1.00	1.69	-9.16	18.19	0.503 [1]
T8	47 - 27	L4x4x1/4	21.08	10.27	155.1 K=1.00	1.94	-10.82	23.10	0.468 [1]
T9	27 - 7	L4x4x1/4	22.90	11.20	169.1 K=1.00	1.94	-10.94	19.41	0.563 [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	187 - 167	L2x2x1/4	4.58	4.10	125.9 K=1.00	0.94	-0.32	16.95	0.019 [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 $\frac{P_u}{\phi P_u}$
T1	187 - 167	ROHN 2.5 STD	20.00	4.00	50.7	1.70	30.57	76.68	0.399 [1] ✓
T2	167 - 147	ROHN 3 EH	20.03	4.01	42.3	3.02	69.88	135.72	0.515 [1] ✓
T3	147 - 127	ROHN 4 EH	20.03	5.01	40.7	4.41	109.97	198.34	0.554 [1] ✓
T4	127 - 107	ROHN 5 EH	20.04	6.68	43.6	6.11	143.16	275.04	0.521 [1] ✓
T5	107 - 87	ROHN 6 EHS	20.04	6.68	36.0	6.71	173.77	302.10	0.575 [1] ✓
T6	87 - 67	ROHN 6 EH	20.03	6.68	36.5	8.40	203.71	378.22	0.539 [1] ✓
T7	67 - 47	ROHN 8 EHS	20.04	10.02	41.2	9.72	228.55	437.37	0.523 [1] ✓
T8	47 - 27	ROHN 8 EH	20.03	10.02	41.8	12.76	256.19	574.32	0.446 [1] ✓
T9	27 - 7	ROHN 8 EH	20.04	10.02	41.8	12.76	282.43	574.32	0.492 [1] ✓

[1] $P_u / \phi P_n$ controls

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	187 - 167	L2x2x1/4	6.08	2.76	56.8	0.56	4.91	24.49	0.201 [1] ✓
T2	167 - 147	L2x2x1/4	7.22	3.44	70.2	0.56	5.27	24.49	0.215 [1] ✓
T3	147 - 127	L2x2x1/4	8.93	4.28	86.7	0.56	6.19	24.49	0.253 [1] ✓
T4	127 - 107	L2 1/2x2 1/2x1/4	12.38	6.00	95.5	0.75	6.80	32.71	0.208 [1] ✓
T5	107 - 87	L2 1/2x2 1/2x1/4	14.22	6.88	109.2	0.75	7.20	32.71	0.220 [1] ✓
T6	87 - 67	L3x3x1/4	16.04	7.76	101.9	0.92	8.22	44.65	0.184 [1] ✓

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T7	67 - 47	L3 1/2x3 1/2x1/4	19.34	9.43	105.3	1.10	9.13	53.79	0.170 [1] ✔
T8	47 - 27	L4x4x1/4	21.08	10.27	99.9	1.29	10.61	62.93	0.169 [1] ✔
T9	27 - 7	L4x4x1/4	22.90	11.20	108.9	1.29	10.56	62.93	0.168 [1] ✔

[1] P_u / ϕP_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	187 - 167	L2x2x1/4	4.58	4.10	85.5	0.56	0.37	24.49	0.015 [1] ✔

[1] P_u / ϕP_n controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	187 - 167	Leg	ROHN 2.5 STD	1	-36.64	63.56	57.6	Pass
T2	167 - 147	Leg	ROHN 3 EH	37	-80.97	119.06	68.0	Pass
T3	147 - 127	Leg	ROHN 4 EH	70	-125.91	175.71	71.7	Pass
T4	127 - 107	Leg	ROHN 5 EH	97	-162.29	239.38	67.8	Pass
T5	107 - 87	Leg	ROHN 6 EHS	120	-196.90	274.76	71.7	Pass
T6	87 - 67	Leg	ROHN 6 EH	141	-231.54	343.10	67.5	Pass
T7	67 - 47	Leg	ROHN 8 EHS	162	-260.99	386.37	67.6	Pass
T8	47 - 27	Leg	ROHN 8 EH	177	-294.20	505.57	58.2 58.7 (b)	Pass
T9	27 - 7	Leg	ROHN 8 EH	192	-326.26	505.54	64.5	Pass
T1	187 - 167	Diagonal	L2x2x1/4	11	-5.01	24.47	20.5 53.9 (b)	Pass
T2	167 - 147	Diagonal	L2x2x1/4	50	-5.26	21.09	24.9 57.8 (b)	Pass
T3	147 - 127	Diagonal	L2x2x1/4	77	-6.12	12.85	47.6 68.0 (b)	Pass
T4	127 - 107	Diagonal	L2 1/2x2 1/2x1/4	104	-6.86	15.82	43.3 65.1 (b)	Pass
T5	107 - 87	Diagonal	L2 1/2x2 1/2x1/4	125	-7.25	12.06	60.1 69.0 (b)	Pass
T6	87 - 67	Diagonal	L3x3x1/4	146	-8.21	16.64	49.3 58.1 (b)	Pass
T7	67 - 47	Diagonal	L3 1/2x3 1/2x1/4	167	-9.16	18.19	50.3	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
							64.6 (b)	
T8	47 - 27	Diagonal	L4x4x1/4	182	-10.82	23.10	46.8 75.0 (b)	Pass
T9	27 - 7	Diagonal	L4x4x1/4	197	-10.94	19.41	56.3 74.7 (b)	Pass
T1	187 - 167	Top Girt	L2x2x1/4	6	-0.32	16.95	1.9 4.1 (b)	Pass
							Summary	
						Leg (T5)	71.7	Pass
						Diagonal (T8)	75.0	Pass
						Top Girt (T1)	4.1	Pass
						Bolt Checks	75.0	Pass
						RATING =	**75.0**	**Pass**

Self Support Anchor Bolt Check

Project Information

SBA Project # :	CT10008-VZW-071123
Code :	H

Leg Reaction

Uplift(kips):	289	Shear (kips) :	30
Comp(kips):	334	Shear (kips) :	34

Grout

- [x] 5,000 psi Grout Present
- [x] Use Section 15.7 exemption

Strength Reduction Factors

Tension :	0.75
Compression :	0.90
Shear :	0.75
Flexure :	0.9

Bolt Capacity : 51.5% ***Pass***

Bolt Information

Quantity :	10
Diameter (in) :	1
Assumed lar (in) :	1
Bolt Fy (ksi) :	109
Bolt Fu (AISC Table 2-6) (ksi):	125
# of threads (AISC Table 7-17) :	8

Project# : CT10008-VZW-071123

Analysis complete

Tower Data

Tower type :	SST
Height (ft) :	187
Base face width (ft) :	21.12
Number of sections :	9

Structure Date

Risk category :	II
Site class :	D (default)

Seismic Date

Short period (S_s):	0.177
1sec period (S_1) :	0.055
Long period transition (T_L) (Fig B-19):	6

I =	1.00
F_a =	1.60
F_v =	2.40
T (sec) =	0.75
R =	3.00
Ke =	1.12
C_s =	0.06
V_s (kip) =	2.88
Ts (sec) =	0.47

Note:

1: Get self weight & add weight (feedline) from "Mast Forces table (tnxTower Reports)"

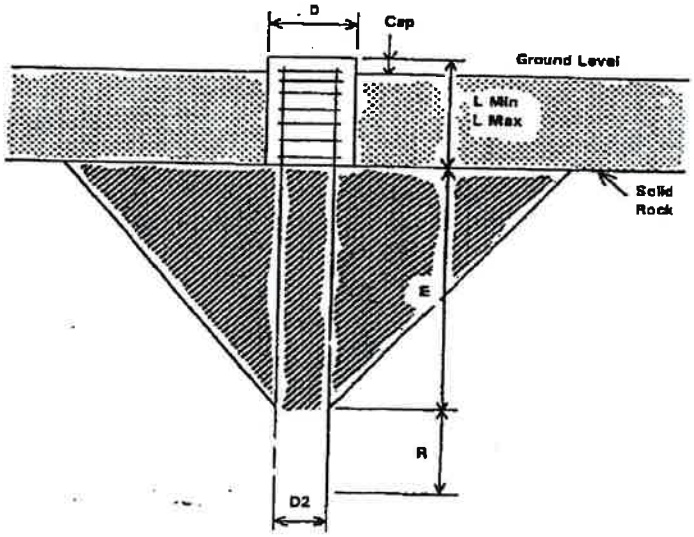
2: Get appurtenance weight from "Appurt. Pressure table (tnxTower Reports)"

3: Get the guy weight from "WEIGHTAUXDATA" excel file from the tnx out put files

								Tnx User Forces	
Section	Top Elev	Top width	Self Weight	Add Weight (feedline)	Appurtenance Weight	Guy Weight	Total Weight	E_h (F_x)	*E_v
	ft	ft	kip	kip	kip	kip	kip	kip	kip
1	187	4.58	1.02	0.65	6.9	0.00	8.57	**0.94**	**0.32**
2	167	4.58	1.34	1.13	2.86	0.00	5.33	**0.48**	**0.20**
3	147	6.63	1.68	1.56	2.12	0.00	5.36	**0.42**	**0.20**
4	127	8.68	2.22	1.56	0.00	0.00	3.78	**0.24**	**0.14**
5	107	10.78	2.48	1.56	0.00	0.00	4.04	**0.21**	**0.15**
6	87	12.91	3.23	1.56	0.14	0.00	4.93	**0.21**	**0.19**
7	67	14.92	3.46	1.58	0.00	0.00	5.04	**0.16**	**0.19**
8	47	17.09	4.46	1.58	0	0.00	6.04	**0.13**	**0.23**
9	27	19.04	4.59	1.2	0.11	0.00	5.90	**0.07**	**0.22**
		12.0	*24.48*	*12.38*	*12.13*		*48.99*	*2.88*	

Concrete Pier

with Rock Anchors



Loading

Axial (kips)	334
Axial Shear (kips)	34
Uplift (kips)	289
Uplift Shear (kips)	30

Pier

Shape	Square
Cap (ft)	7
L Min (ft)	6.5
L Max (ft)	10
D (ft)	6

Rock Anchors

Diameter (in)	4
E (ft)	15
R (ft)	4
D2 (ft)	5
Grout fc' (psi)	5000
Bar fy (psi)	60000
Diameter (in)	4
Bar Size	#11
Bar Qty	16

Soil/Rock

Ultimate bearing capacity (psf)	120000
Unit weight of soil (pcf)	120
Unit weight of rock (pcf)	150
Uplift cone angle (degrees)	37.5
Ultimate Bond Strength (psf)	28800
Gound Water Table depth (ft)	Below Foundation

Bearing Capacity - Rock

Bearing Pressure (psf)	11077.78
Bearing capacity (psf)	90000
SR (%)	**12.31**

Uplift Capacity - Rock - Bond

Uplift (kips)	289
Uplift Capacity (kips)	5477.272
SR (%)	**5.28**

Uplift Capacity - Rock - Cone

Uplift (kips)	289
Uplift Capacity (kips)	926.8818
SR (%)	**31.18**

Cmpression Capacity - Concrete

Compression (kips)	388
Compression Capacity (ki	6840.9
SR (%)	**5.67**

Tension Capacity - Steel

Tension (kips)	289
Tension Capacity (kips)	1347.84
SR (%)	**21.44**

Colliers Engineering & Design CT, P.C.
1055 Washington Boulevard
Stamford, CT 06901
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Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10207053
Colliers Engineering & Design CT, P.C. Project #: 23777131

July 21, 2023

Site Information	*Site ID:*	*5000246576-VZW / ELLINGTON CT*
	Site Name:	*ELLINGTON CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*101 Burbank Rd.*
		Ellington, Connecticut 06029
		Tolland County
	Latitude:	*41.936231°*
	Longitude:	*-72.385303°*
Structure Information	*Tower Type:*	*Self-Support*
	Mount Type:	*14.00-Ft Sector Frame*

FUZE ID # 17123902

Analysis Results

Sector Frame: **61.1% 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: Prasanna Dhakal

Digitally signed by Derek Hartzell
Date: 2023.07.21 09:51:28-07'00'

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: 674889, dated August 26, 2021*
Mount Mapping Report	*Roaming Network Inc., Site ID: SBAI: CT10008, VZW:467759, dated March 31, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21777298, dated September 3, 2021*
Closeout Photos	*Photos dated June 30, 2023*
Final Loading Configuration	*Filter Add Scope Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.971
Seismic Parameters:	S_S:	0.178 g
	S_1:	0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
176.50	177.00	2	KAelus	KA-6030	Added
		6	Commscope	NHH-65B-R2B	Retained
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48*	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	Amphenol	BXA-70080-4BF-EDIN	

* Equipment is flush mounted directly to the Self Support tower. They are not mounted on sector frame mounts and are not included in this mount analysis.

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Plate	*61.1%*	*Pass*
Face Horizontal	*37.7%*	*Pass*
Standoff Horizontal	*34.9%*	*Pass*
Bracing Plate	*9.5%*	*Pass*
Standoff Bracing	*29.2%*	*Pass*
Standoff Vertical	*13.9%*	*Pass*
Mount Pipe	*31.4%*	*Pass*
Tieback	*5.8%*	*Pass*
Mount Connection	*26.9%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**61.1%**

BASELINE mount weight per SBA agreement: 2188.80 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: No Change

The weights listed above include 3 sectors.

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	21.7	13.5	27.4	19.2
0.5	31.4	20.2	39.5	28.3
1	40.5	26.1	51.0	36.6

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.
- 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.

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

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

MDG #: 5000246576 SMART Project #: 10207053 Fuze Project ID: 17123902

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

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

Base Requirements:

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

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.

- These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:

Issue:

Response:

Special Instruction Confirmation:

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

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

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

OR

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

Comments:

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

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

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

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

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

Structure: 5000246576-VZW - ELLINGTON CT

Sector: A

Structure Type: Self Support

Mount Elev: 176.50

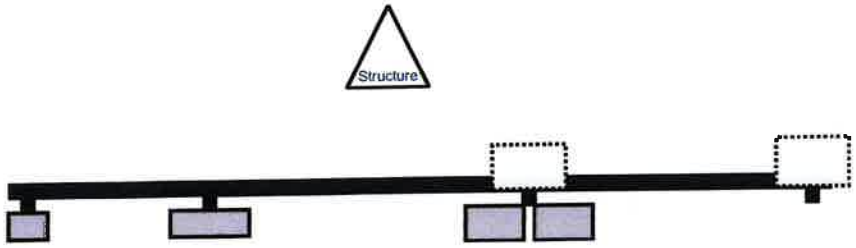
10207053

7/21/2023

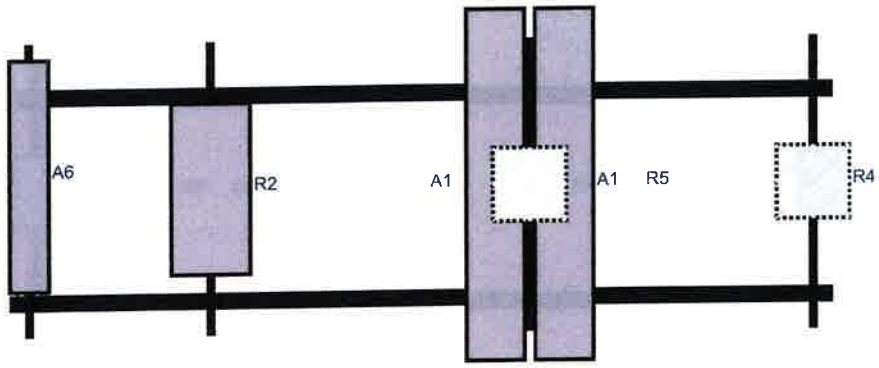
Page: 1

Colliers Engineering & Design

Plan View



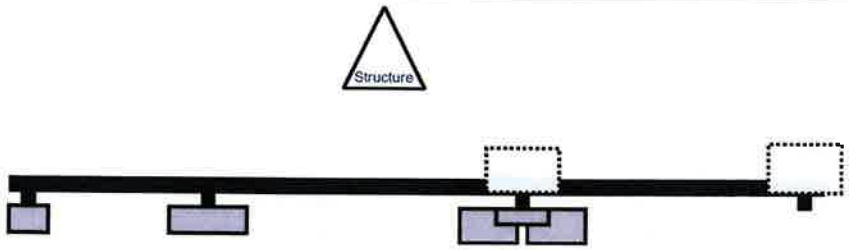
Front View - Looking at Structure



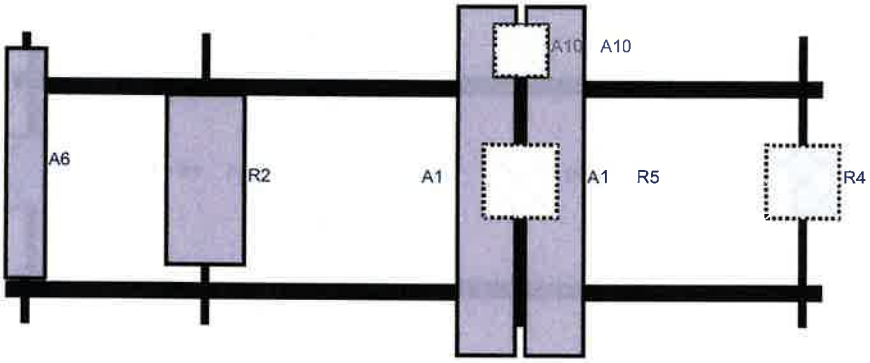
4 3 2 1

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
R4	RF4439d-25A	15	15	164	1	a	Behind	30	0	Retained	06/30/2023
A1	NHH-65B-R2B	72	11.9	106	2	a	Front	30	7	Retained	06/30/2023
A1	NHH-65B-R2B	72	11.9	106	2	b	Front	30	-7	Retained	06/30/2023
R5	RF4440d-13A	15	15	106	2	a	Behind	30	0	Retained	06/30/2023
R2	MT6407-77A	35.1	16.1	41	3	a	Front	30	0	Retained	06/30/2023
A6	BXA-70080-4BF-EDIN	47.4	8	4	4	a	Front	27	0	Retained	06/30/2023

Plan View



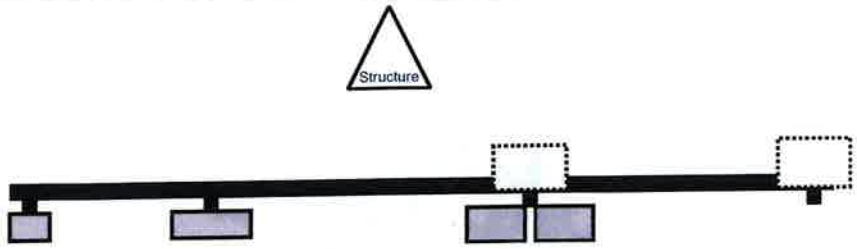
Front View - Looking at Structure



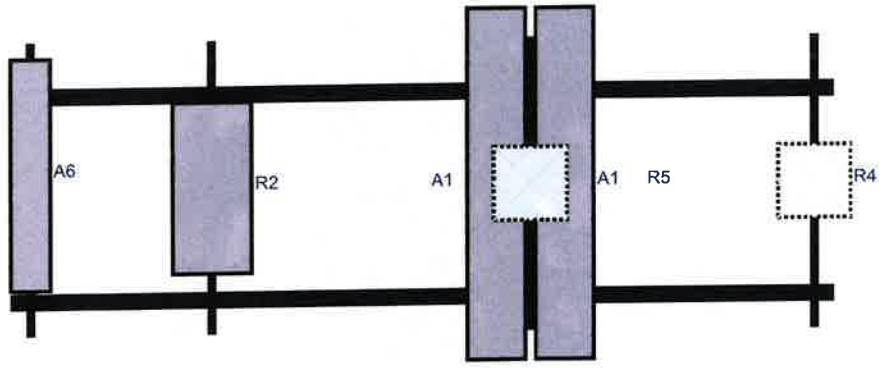
4 3 2 1

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
R4	RF4439d-25A	15	15	164	1	a	Behind	30	0	Retained	06/30/2023
A1	NHH-65B-R2B	72	11.9	106	2	a	Front	30	7	Retained	06/30/2023
A1	NHH-65B-R2B	72	11.9	106	2	b	Front	30	-7	Retained	06/30/2023
R5	RF4440d-13A	15	15	106	2	a	Behind	30	0	Retained	06/30/2023
A10	KA-6030	10.6	10.9	106	2	a	Front	3	0	Added	
A10	KA-6030	10.6	10.9	106	2	b	Behind	3	0	Added	
R2	MT6407-77A	35.1	16.1	41	3	a	Front	30	0	Retained	06/30/2023
A6	BXA-70080-4BF-EDIN	47.4	8	4	4	a	Front	27	0	Retained	06/30/2023

Plan View



Front View - Looking at Structure



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
R4	RF4439d-25A	15	15	164	1	a	Behind	30	0	Retained	06/30/2023
A1	NHH-65B-R2B	72	11.9	106	2	a	Front	30	7	Retained	06/30/2023
A1	NHH-65B-R2B	72	11.9	106	2	b	Front	30	-7	Retained	06/30/2023
R5	RF4440d-13A	15	15	106	2	a	Behind	30	0	Retained	06/30/2023
R2	MT6407-77A	35.1	16.1	41	3	a	Front	30	0	Retained	06/30/2023
A6	BXA-70080-4BF-EDIN	47.4	8	4	4	a	Front	27	0	Retained	06/30/2023


June 30, 2023 at 3:10:28 PM EDT
101 Burbank Rd
Ellington CT 06029


June 30, 2023 at 12:39:17 PM EDT
101 Burbank Rd
Ellington CT 06029

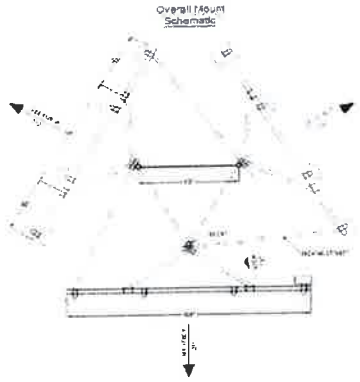
V3.0 Updated on 8-31-2020

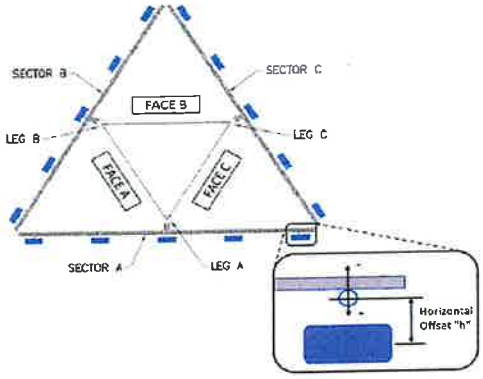
PAUL J. FORD & COMPANY

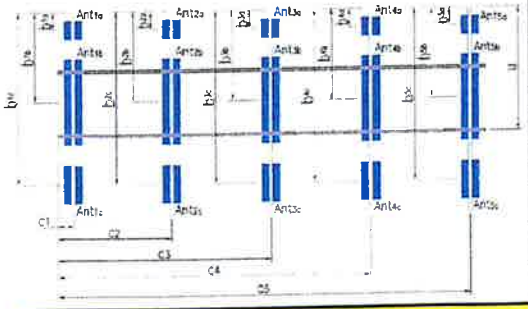
Antenna Mount Mapping Form (PATENT PENDING)

FCC #: N/A

Tower Owner:	SBA	**Mapping Date:**	31-03-21
Site Name:	VZW:ELLINGTON CT	**Tower Type:**	Self Support
Site Number or ID:	SBAI:CT10008, VZW:467759	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	175,95







Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	4,00	C1	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	4,00
A2	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	62,00	C2	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	62,00
A3	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	127,00	C3	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	127,00
A4	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	164,00	C4	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	164,00
A5				C5			
A6				C6			
B1	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	4,00	D1			
B2	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	62,00	D2			
B3	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	127,00	D3			
B4	PIPE 2.36"Ø X 0.16" X 60" LONG	53,00	164,00	D4			
B5				D5			
B6				D6			

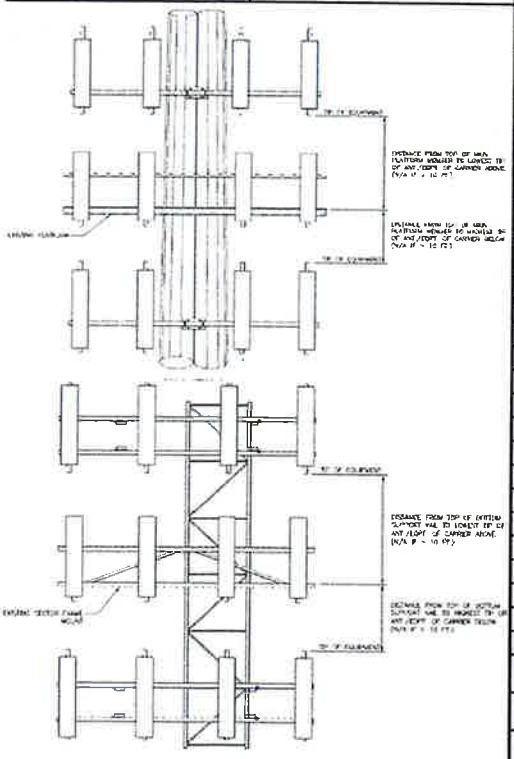
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	20,00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	5,9
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	

Tower Face Width at Mount Elev. (ft.):	5	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	2,8

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	HBXX-6517DS-A2M	12,00	6,53	75,03		176,2	30,00	8,00	25,00	161
Ant_{1b}	B4 RRH2x60-4R	10,63	5,75	36,61		178,7				161
Ant_{1c}										
Ant_{2a}	BXA-70063-4CF-EDIN-	11,20	5,00	47,40		176,533	26,00	7,00	25,00	161
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	HBXX-6517DS-A2M	12,00	6,53	75,03		176,2	30,00	7,00	25,00	162
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	BXA-70080-4CF-EDIN	8,00	5,00	47,50		176,7	24,00	10,00	25,00	162
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RHSDC-3315-PF-48	15,73	10,30	28,93						163
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	0,00	Deg	Leg A:	326,00	Deg
Sector B:	120,00	Deg	Leg B:		Deg
Sector C:	240,00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	Deg	On Leg C
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was obstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}	HBXX-6517DS-A2M	12,00	6,53	75,03		176,2	30,00	8,00	112,00	174
Ant_{1b}	B4 RRH2x60-4R	10,63	5,75	36,61		178,7				174
Ant_{1c}										
Ant_{2a}	BXA-70063-4CF-EDIN-	11,20	5,00	47,40			26,00	7,00	112,00	174
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	HBXX-6517DS-A2M	12,00	6,53	75,03		176,2	30,00	7,00	112,00	175
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	BXA-70080-4CF-EDIN	8,00	5,00	47,50		176,7	24,00	10,00	112,00	175
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}						#REF!				
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	HBXX-6517DS-A2M	12,00	6,53	75,03		176,2	30,00	8,00	276,00	187
Ant_{1b}	B4 RRH2x60-4R	10,63	5,75	36,61		178,7				187
Ant_{1c}										
Ant_{2a}	BXA-70063-4CF-EDIN-	11,20	5,00	47,40		176,533	26,00	7,00	276,00	187
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	HBXX-6517DS-A2M	12,00	6,53	75,03		176,2	30,00	7,00	276,00	188
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	BXA-70080-4CF-EDIN	8,00	5,00	47,50		176,7	24,00	10,00	276,00	188
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

PAUL J. FORD & COMPANY

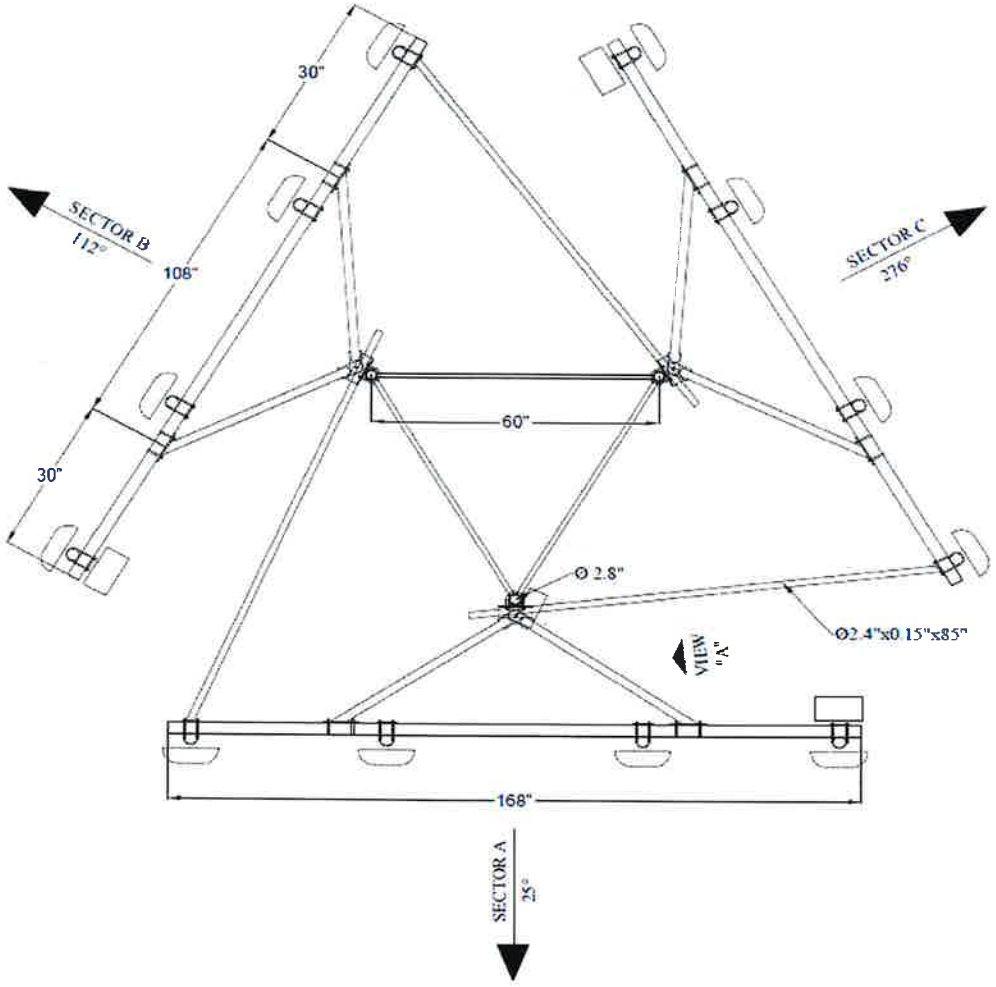
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

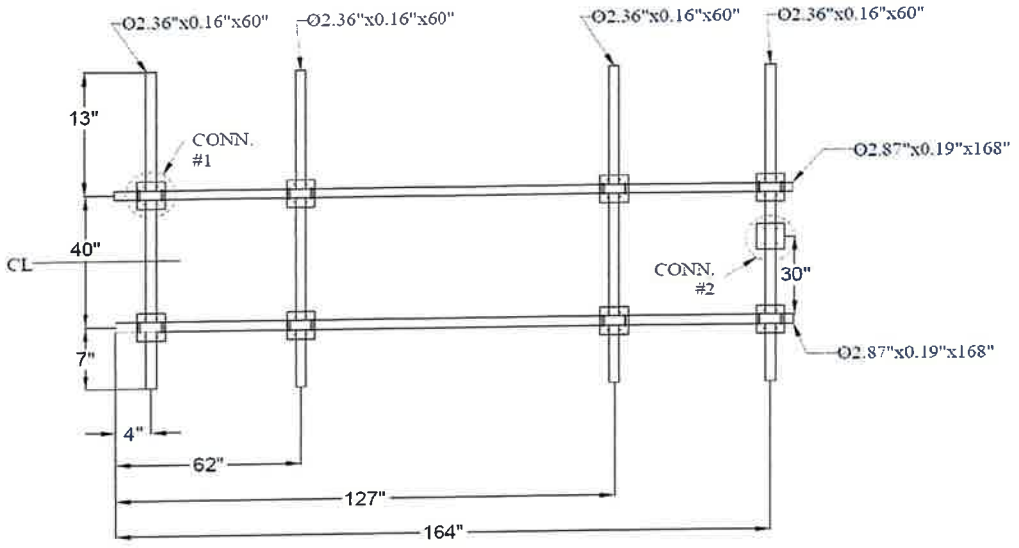
Tower Owner:	SBA	Mapping Date:	31-03-21
Site Name:	VZW:ELLINGTON CT	Tower Type:	Self Support
Site Number or ID:	SBAI:CT10008, VZW:467759	Tower Height (Ft.):	N/A
Mapping Contractor:	Roaming Networks Inc.	Mount Elevation (Ft.):	175,95

Please Insert Sketches of the Antenna Mount

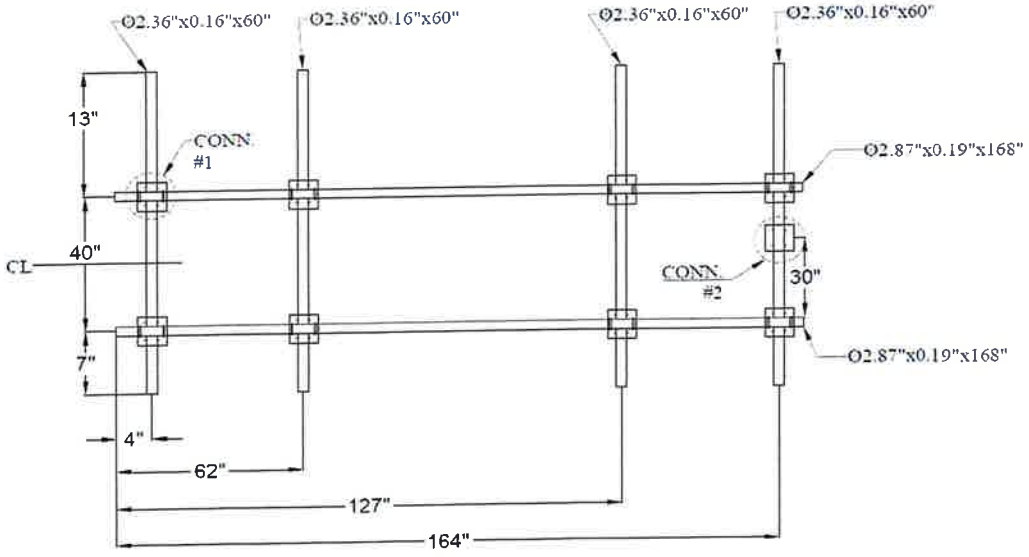
Overall Mount Schematic



Please Insert Sketches of the Antenna Mount, cont'd

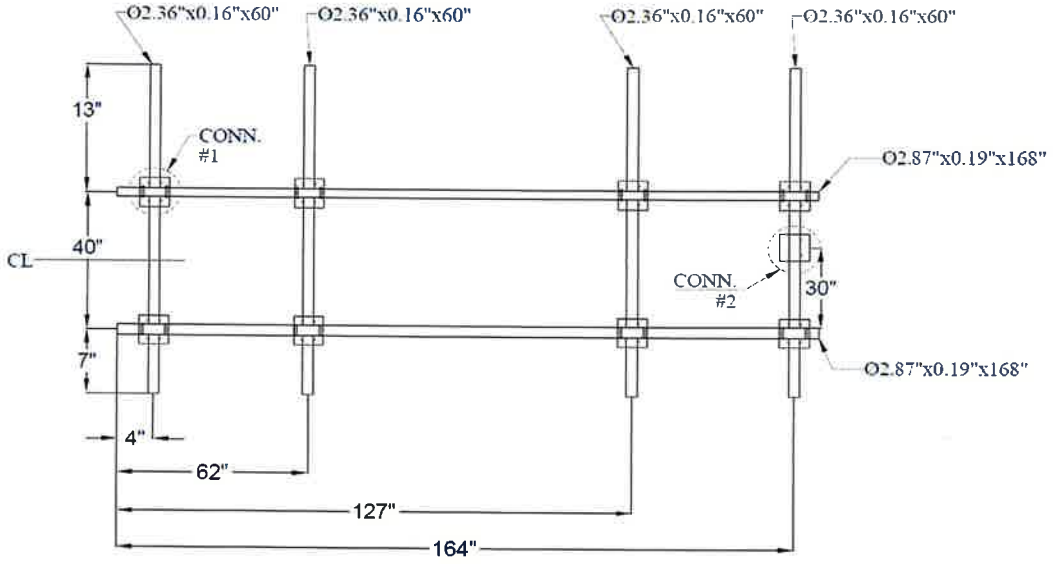


SECTOR A



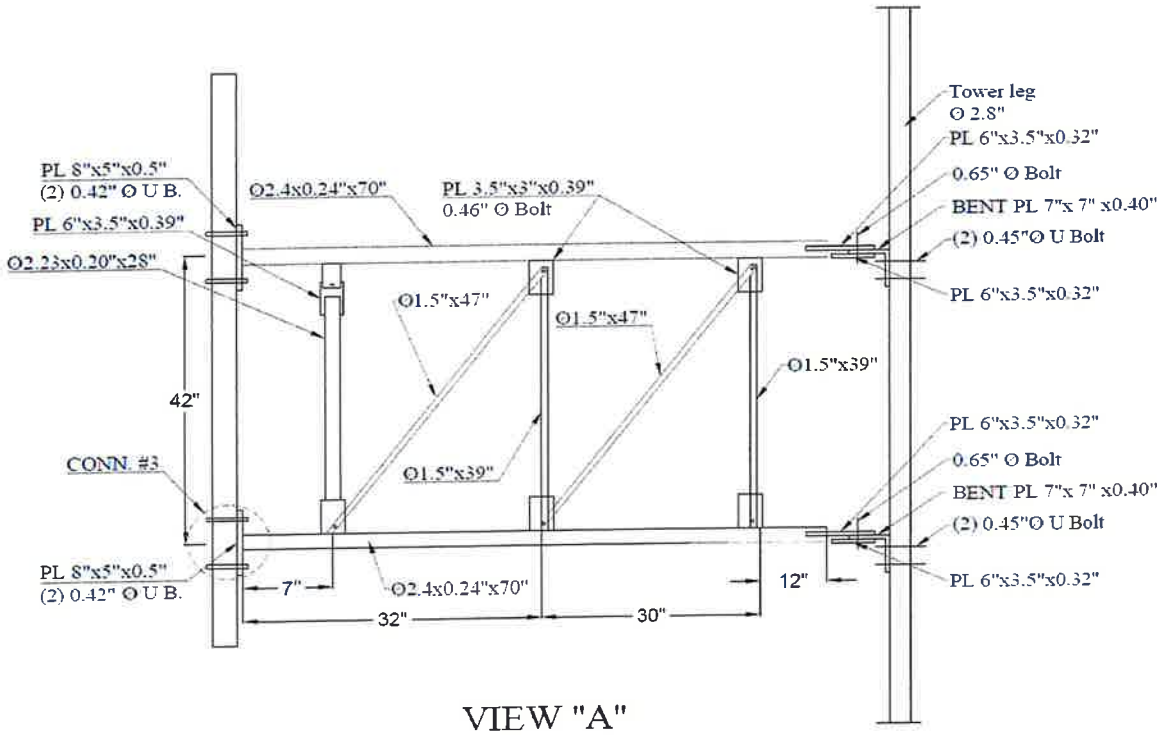
SECTOR B

Please Insert Sketches of the Antenna Mount, cont'd

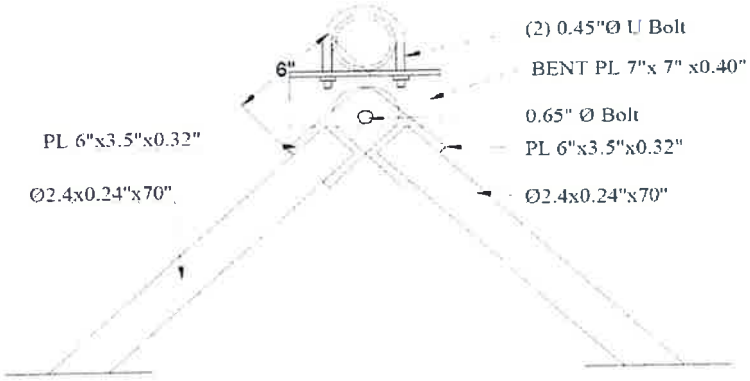


SECTOR C

Please Insert Sketches of the Antenna Mount, cont'd

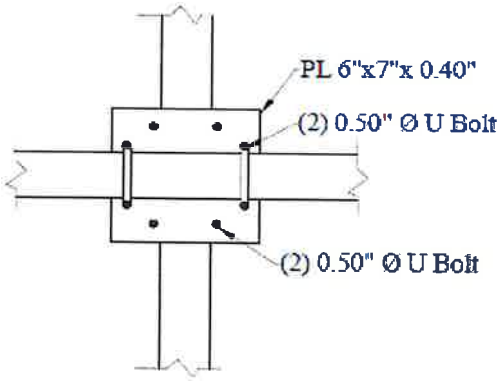


VIEW "A"

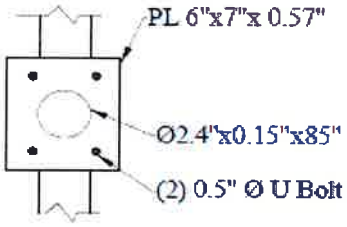


TOWER
CONNECTION

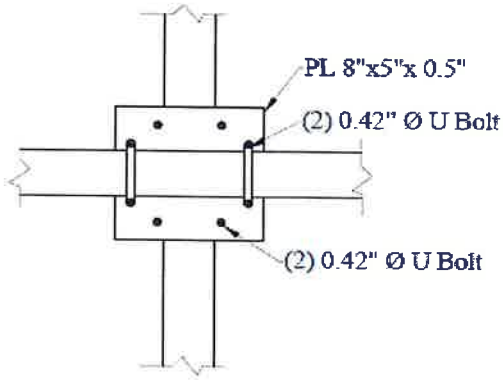
Please Insert Sketches of the Antenna Mount, cont'd



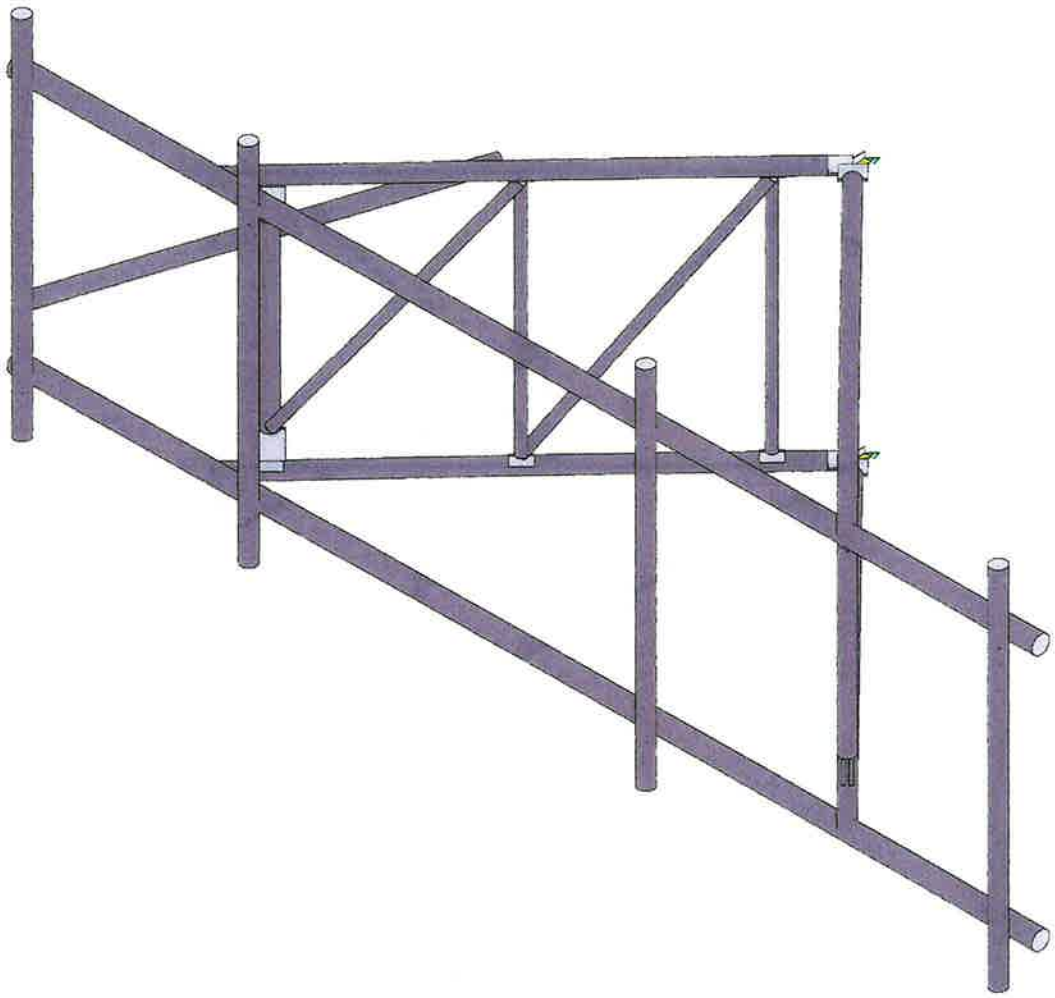
CONN.
#1



CONN.
#2

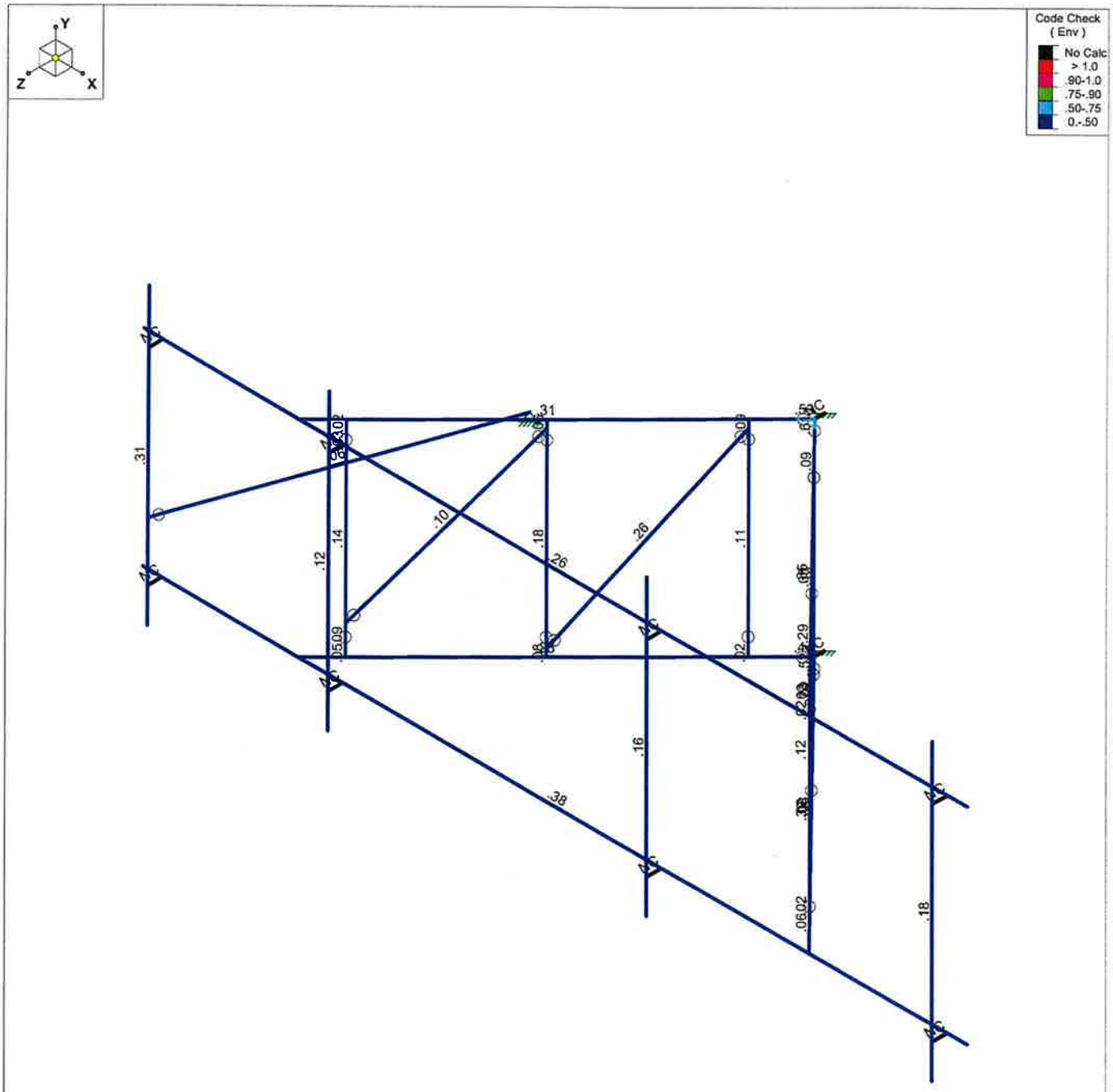


CONN.
#3



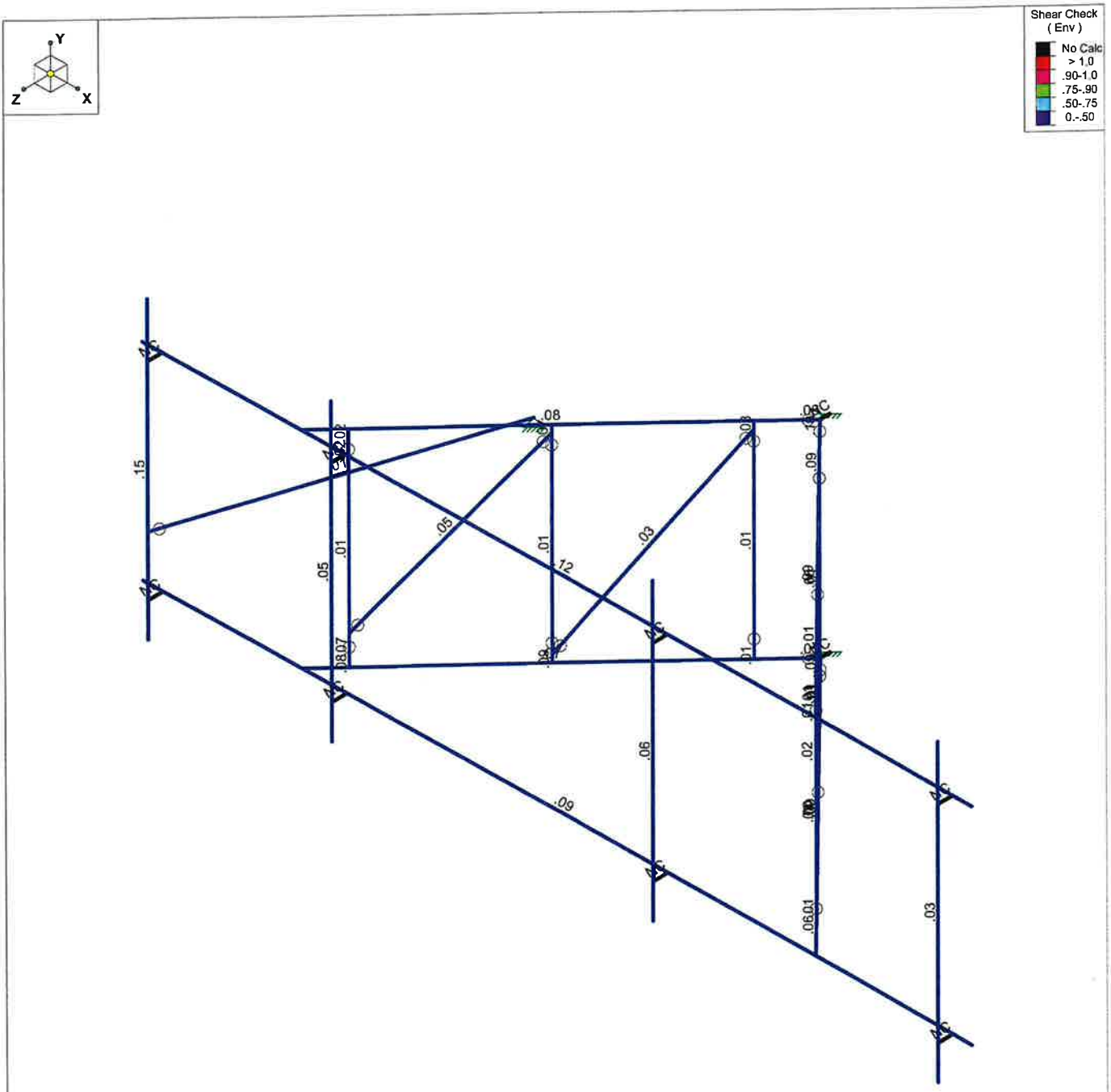
Envelope Only Solution

Colliers Engineering & De...	Antenna Mount Analysis	SK - 1
		July 21, 2023 at 9:15 AM
Project # 23777131		5000246576-VZW_MT_LOT_B_H....



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	Antenna Mount Analysis	SK - 2
		July 21, 2023 at 9:19 AM
Project # 23777131		5000246576-VZW_MT_LOT_B_H....



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	Antenna Mount Analysis	SK - 3
		July 21, 2023 at 9:19 AM
Project # 23777131		5000246576-VZW_MT_LOT_B_H....

Basic Load Cases

	BLC Description	Category	X Gr...	Y Gr...	Z Gr...	Joint	Point	Distributed	Area(Member)	Surfa...
1	Antenna D	None					36			
2	Antenna Di	None					36			
3	Antenna Wo (0 Deg)	None					36			
4	Antenna Wo (30 Deg)	None					36			
5	Antenna Wo (60 Deg)	None					36			
6	Antenna Wo (90 Deg)	None					36			
7	Antenna Wo (120 Deg)	None					36			
8	Antenna Wo (150 Deg)	None					36			
9	Antenna Wo (180 Deg)	None					36			
10	Antenna Wo (210 Deg)	None					36			
11	Antenna Wo (240 Deg)	None					36			
12	Antenna Wo (270 Deg)	None					36			
13	Antenna Wo (300 Deg)	None					36			
14	Antenna Wo (330 Deg)	None					36			
15	Antenna Wi (0 Deg)	None					36			
16	Antenna Wi (30 Deg)	None					36			
17	Antenna Wi (60 Deg)	None					36			
18	Antenna Wi (90 Deg)	None					36			
19	Antenna Wi (120 Deg)	None					36			
20	Antenna Wi (150 Deg)	None					36			
21	Antenna Wi (180 Deg)	None					36			
22	Antenna Wi (210 Deg)	None					36			
23	Antenna Wi (240 Deg)	None					36			
24	Antenna Wi (270 Deg)	None					36			
25	Antenna Wi (300 Deg)	None					36			
26	Antenna Wi (330 Deg)	None					36			
27	Antenna Wm (0 Deg)	None					36			
28	Antenna Wm (30 Deg)	None					36			
29	Antenna Wm (60 Deg)	None					36			
30	Antenna Wm (90 Deg)	None					36			
31	Antenna Wm (120 Deg)	None					36			
32	Antenna Wm (150 Deg)	None					36			
33	Antenna Wm (180 Deg)	None					36			
34	Antenna Wm (210 Deg)	None					36			
35	Antenna Wm (240 Deg)	None					36			
36	Antenna Wm (270 Deg)	None					36			
37	Antenna Wm (300 Deg)	None					36			
38	Antenna Wm (330 Deg)	None					36			
39	Structure D	None		-1						
40	Structure Di	None						41		
41	Structure Wo (0 Deg)	None						82		
42	Structure Wo (30 Deg)	None						82		
43	Structure Wo (60 Deg)	None						82		
44	Structure Wo (90 Deg)	None						82		
45	Structure Wo (120 Deg)	None						82		
46	Structure Wo (150 Deg)	None						82		
47	Structure Wo (180 Deg)	None						82		
48	Structure Wo (210 Deg)	None						82		
49	Structure Wo (240 Deg)	None						82		
50	Structure Wo (270 Deg)	None						82		
51	Structure Wo (300 Deg)	None						82		
52	Structure Wo (330 Deg)	None						82		
53	Structure Wi (0 Deg)	None						82		
54	Structure Wi (30 Deg)	None						82		
55	Structure Wi (60 Deg)	None						82		
56	Structure Wi (90 Deg)	None						82		

Basic Load Cases (Continued)

	BLC Description	Category	X Gr...	Y Gr...	Z Gr...	Joint	Point	Distributed	Area(Member)	Surfa...
57	Structure Wi (120 Deg)	None						82		
58	Structure Wi (150 Deg)	None						82		
59	Structure Wi (180 Deg)	None						82		
60	Structure Wi (210 Deg)	None						82		
61	Structure Wi (240 Deg)	None						82		
62	Structure Wi (270 Deg)	None						82		
63	Structure Wi (300 Deg)	None						82		
64	Structure Wi (330 Deg)	None						82		
65	Structure Wm (0 Deg)	None						82		
66	Structure Wm (30 Deg)	None						82		
67	Structure Wm (60 Deg)	None						82		
68	Structure Wm (90 Deg)	None						82		
69	Structure Wm (120 Deg)	None						82		
70	Structure Wm (150 Deg)	None						82		
71	Structure Wm (180 Deg)	None						82		
72	Structure Wm (210 Deg)	None						82		
73	Structure Wm (240 Deg)	None						82		
74	Structure Wm (270 Deg)	None						82		
75	Structure Wm (300 Deg)	None						82		
76	Structure Wm (330 Deg)	None						82		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					36			
82	Antenna Eh (0 Deg)	None					24			
83	Antenna Eh (90 Deg)	None					24			
84	Structure Ev	ELY		-.038						
85	Structure Eh (0 Deg)	ELZ			-.0949					
86	Structure Eh (90 Deg)	ELX	.0949							

Load Combinations

	Description	S...	PDel...	SR...	BLC	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 De...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 De...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 De...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 De...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 De...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 De...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 De...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 De...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								

Load Combinations (Continued)

	Description	S...	PDel...	SR...	BLC	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
23	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...					
53	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	ELZ	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	ELZ	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1				
56	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	ELZ	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	ELZ	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...					
59	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	ELZ	-.8...	E...	-.5				
60	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	ELZ	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1				
62	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	ELZ	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	ELZ	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...					
65	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1				
68	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	ELZ	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	ELZ	-.8...	E...	-.5				
72	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	ELZ	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	ELZ	.5	E...	-.8...				
75	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	ELZ	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-0.166667	0.083333	0.166667	0	
2	N4	-0.166667	0.083333	0	0	
3	N5	-0.166667	-3.416667	0.166667	0	
4	N10	-4.5	0.083333	4.583333	0	
5	N11	4.166667	0.083333	4.583333	0	
6	N11A	-7.166667	0.083333	4.583333	0	
7	N12	6.833333	0.083333	4.583333	0	
8	N14	-4.5	-3.416667	4.583333	0	
9	N15	4.166667	-3.416667	4.583333	0	
10	N16	-7.166667	-3.416667	4.583333	0	
11	N17	6.833333	-3.416667	4.583333	0	
12	N17A	-0.341752	0.083333	0.345119	0	
13	N18	0.008419	0.083333	0.345119	0	
14	N19	-0.341752	-3.416667	0.345119	0	
15	N20	0.008419	-3.416667	0.345119	0	
16	N21	0.38777	0.083333	0.731765	0	
17	N22	0.38777	-3.416667	0.731765	0	
18	N23	2.08026	0.083333	2.456803	0	
19	N24	2.08026	-3.416667	2.456803	0	
20	N25	3.77275	0.083333	4.181841	0	
21	N26	3.77275	-3.416667	4.181841	0	
22	N27	0.38777	-3.291667	0.731765	0	
23	N28	2.08026	-3.291667	2.456803	0	
24	N29	0.38777	-0.041667	0.731765	0	
25	N30	2.08026	-0.041667	2.456803	0	
26	N31	3.77275	-2.916667	4.181841	0	
27	N32	3.77275	-0.416667	4.181841	0	
28	N33	-0.721103	0.083333	0.731765	0	
29	N34	-0.721103	-3.416667	0.731765	0	
30	N35	-2.413593	0.083333	2.456803	0	
31	N36	-2.413593	-3.416667	2.456803	0	
32	N37	-4.106083	0.083333	4.181841	0	
33	N38	-4.106083	-3.416667	4.181841	0	
34	N39	-0.721103	-3.291667	0.731765	0	
35	N40	-2.413593	-3.291667	2.456803	0	
36	N41	-0.721103	-0.041667	0.731765	0	
37	N42	-2.413593	-0.041667	2.456803	0	
38	N43	-4.106083	-2.916667	4.181841	0	
39	N44	-4.106083	-0.416667	4.181841	0	
40	N65	-0.166667	-3.416667	0	0	
41	N41A	3.77275	-3.291667	4.181841	0	
42	N42A	-4.106083	-3.291667	4.181841	0	
43	N43A	3.77275	-0.041667	4.181841	0	
44	N44A	-4.106083	-0.041667	4.181841	0	
45	N45	6.5	0.083333	4.583333	0	
46	N46	6.5	-3.416667	4.583333	0	
47	N47	6.5	0.083333	4.833333	0	
48	N48	6.5	-3.416667	4.833333	0	
49	N49	6.5	1	4.833333	0	
50	N50	6.5	-4	4.833333	0	
51	N51	1.666667	0.083333	4.583333	0	
52	N52	1.666667	-3.416667	4.583333	0	
53	N53	1.666667	0.083333	4.833333	0	
54	N54	1.666667	-3.416667	4.833333	0	
55	N55	1.666667	1	4.833333	0	
56	N56	1.666667	-4	4.833333	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N57	-3.75	0.083333	4.583333	0	
58	N58	-3.75	-3.416667	4.583333	0	
59	N59	-3.75	0.083333	4.833333	0	
60	N60	-3.75	-3.416667	4.833333	0	
61	N61	-3.75	1	4.833333	0	
62	N62	-3.75	-4	4.833333	0	
63	N63	-6.833333	0.083333	4.583333	0	
64	N64	-6.833333	-3.416667	4.583333	0	
65	N65A	-6.833333	0.083333	4.833333	0	
66	N66	-6.833333	-3.416667	4.833333	0	
67	N67	-6.833333	1	4.833333	0	
68	N68	-6.833333	-4	4.833333	0	
69	N69	-6.833333	-2.416667	4.833333	0	
70	N70	-5.166667	-2.416667	0.	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Desig...	A [in2]	Iyy [i...	Izz [i...	J [in4]
1	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Standoff Horizontal	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Standoff Vertical	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Standoff Bracing	1.5x.06	Column	Pipe	A53 Gr. B	Typical	.2714	.0705	.0705	.141
5	TES Standoff Bracing	PIPE_1.25	Column	Pipe	A53 Gr. B	Typical	.625	.184	.184	.368
6	Face Horizontal	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
7	Tieback	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
8	Standoff Plate	PL3/8x3.5	Column	RECT	A36 Gr.36	Typical	1.3125	.0154	1.3398	.0574
9	Bracing Plate	PL3/8x3	Column	RECT	A36 Gr.36	Typical	1.125	.013	.844	.049

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
1	M2	N1	N4			RIGID	None	None	RIGID	Typical
2	M5	N1	N17A		90	Standoff Plate	Column	RECT	A36 Gr.36	Typical
3	M6	N1	N18		90	Standoff Plate	Column	RECT	A36 Gr.36	Typical
4	M7	N11A	N12			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
5	M8	N5	N19		90	Standoff Plate	Column	RECT	A36 Gr.36	Typical
6	M9	N5	N20		90	Standoff Plate	Column	RECT	A36 Gr.36	Typical
7	M10	N16	N17			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
8	M11	N17A	N10			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
9	M12	N18	N11			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
10	M13	N19	N14			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
11	M14	N20	N15			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
12	M15	N21	N29	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical
13	M16	N29	N28		90	Standoff Bracing	Column	Pipe	A53 Gr. B	Typical
14	M17	N23	N30	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
15	M18	N30	N41A		90	Standoff Bracing	Column	Pipe	A53 Gr. B	Typical
16	M19	N26	N41A	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical
17	M20	N27	N22	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical
18	M21	N28	N24	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical
19	M22	N29	N27	N1		Standoff Bracing	Column	Pipe	A53 Gr. B	Typical
20	M23	N30	N28	N1		Standoff Bracing	Column	Pipe	A53 Gr. B	Typical
21	M24	N31	N32	N1		Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
22	M25	N32	N43A	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
23	M26	N33	N41	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical
24	M27	N41	N40		90	Standoff Bracing	Column	Pipe	A53 Gr. B	Typical
25	M28	N35	N42	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical
26	M29	N42	N43		90	Standoff Bracing	Column	Pipe	A53 Gr. B	Typical
27	M30	N38	N42A	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical
28	M31	N39	N34	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical
29	M32	N40	N36	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical
30	M33	N41	N39	N1		Standoff Bracing	Column	Pipe	A53 Gr. B	Typical
31	M34	N42	N40	N1		Standoff Bracing	Column	Pipe	A53 Gr. B	Typical
32	M35	N43	N44	N1		Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
33	M36	N44	N44A	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
34	M46A	N5	N65			RIGID	None	None	RIGID	Typical
35	M35A	N41A	N31	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
36	M36A	N42A	N43	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
37	M37	N43A	N25	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical
38	M38	N44A	N37	N1		Bracing Plate	Column	RECT	A36 Gr.36	Typical
39	M39	N45	N47			RIGID	None	None	RIGID	Typical
40	M40	N46	N48			RIGID	None	None	RIGID	Typical
41	MP1A	N49	N50			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
42	M42	N51	N53			RIGID	None	None	RIGID	Typical
43	M43	N52	N54			RIGID	None	None	RIGID	Typical
44	MP2A	N55	N56			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
45	M45	N57	N59			RIGID	None	None	RIGID	Typical
46	M46	N58	N60			RIGID	None	None	RIGID	Typical
47	MP3A	N61	N62			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
48	M48	N63	N65A			RIGID	None	None	RIGID	Typical
49	M49	N64	N66			RIGID	None	None	RIGID	Typical
50	MP4A	N67	N68			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
51	M51	N69	N70			Tieback	Beam	Pipe	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio Opti...	Analysis ...	Inactive	Seismi...
1	M2						Yes	** NA **			None
2	M5	BenPIN					Yes	** NA **			None
3	M6	BenPIN					Yes				None
4	M7						Yes	** NA **			None
5	M8	BenPIN					Yes	** NA **			None
6	M9	BenPIN					Yes	Default			None
7	M10						Yes				None
8	M11						Yes				None
9	M12						Yes				None
10	M13						Yes				None
11	M14						Yes	** NA **			None
12	M15						Yes	** NA **			None
13	M16	BenPIN	BenPIN				Yes	** NA **			None
14	M17						Yes	** NA **			None
15	M18	BenPIN	BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio Opti...	Analysis ...	Inactive	Seismi...
16	M19						Yes	** NA **			None
17	M20						Yes	** NA **			None
18	M21						Yes	** NA **			None
19	M22	BenPIN	BenPIN				Yes	** NA **			None
20	M23	BenPIN	BenPIN				Yes	** NA **			None
21	M24						Yes	** NA **			None
22	M25		BenPIN				Yes	** NA **			None
23	M26						Yes	** NA **			None
24	M27	BenPIN	BenPIN				Yes	** NA **			None
25	M28						Yes	** NA **			None
26	M29	BenPIN	BenPIN				Yes	** NA **			None
27	M30						Yes	** NA **			None
28	M31						Yes	** NA **			None
29	M32						Yes	** NA **			None
30	M33	BenPIN	BenPIN				Yes	** NA **			None
31	M34	BenPIN	BenPIN				Yes	** NA **			None
32	M35						Yes	** NA **			None
33	M36		BenPIN				Yes	** NA **			None
34	M46A						Yes	** NA **			None
35	M35A	BenPIN					Yes	** NA **			None
36	M36A	BenPIN					Yes	** NA **			None
37	M37						Yes	** NA **			None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	MP1A						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	MP2A						Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	MP3A						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes	** NA **			None
50	MP4A						Yes	** NA **			None
51	M51	OOOOXO					Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-21.85	.25
2	MP2A	My	-.0109	.25
3	MP2A	Mz	.0127	.25
4	MP2A	Y	-21.85	4.75
5	MP2A	My	-.0109	4.75
6	MP2A	Mz	.0127	4.75
7	MP2A	Y	-21.85	.25
8	MP2A	My	-.0109	.25
9	MP2A	Mz	-.0127	.25
10	MP2A	Y	-21.85	4.75
11	MP2A	My	-.0109	4.75
12	MP2A	Mz	-.0127	4.75
13	MP3A	Y	-43.55	1.5
14	MP3A	My	-.0218	1.5
15	MP3A	Mz	0	1.5
16	MP3A	Y	-43.55	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3A	My	-.0218	3.5
18	MP3A	Mz	0	3.5
19	MP1A	Y	-74.7	2.5
20	MP1A	My	.0374	2.5
21	MP1A	Mz	0	2.5
22	MP2A	Y	-70.3	2.5
23	MP2A	My	.0352	2.5
24	MP2A	Mz	0	2.5
25	MP4A	Y	-6	.75
26	MP4A	My	-.003	.75
27	MP4A	Mz	0	.75
28	MP4A	Y	-6	3.75
29	MP4A	My	-.003	3.75
30	MP4A	Mz	0	3.75
31	MP2A	Y	-17.6	.25
32	MP2A	My	-.0073	.25
33	MP2A	Mz	0	.25
34	MP2A	Y	-17.6	.25
35	MP2A	My	.0073	.25
36	MP2A	Mz	0	.25

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-98.4519	.25
2	MP2A	My	-.0492	.25
3	MP2A	Mz	.0574	.25
4	MP2A	Y	-98.4519	4.75
5	MP2A	My	-.0492	4.75
6	MP2A	Mz	.0574	4.75
7	MP2A	Y	-98.4519	.25
8	MP2A	My	-.0492	.25
9	MP2A	Mz	-.0574	.25
10	MP2A	Y	-98.4519	4.75
11	MP2A	My	-.0492	4.75
12	MP2A	Mz	-.0574	4.75
13	MP3A	Y	-58.1343	1.5
14	MP3A	My	-.0291	1.5
15	MP3A	Mz	0	1.5
16	MP3A	Y	-58.1343	3.5
17	MP3A	My	-.0291	3.5
18	MP3A	Mz	0	3.5
19	MP1A	Y	-73.9314	2.5
20	MP1A	My	.037	2.5
21	MP1A	Mz	0	2.5
22	MP2A	Y	-70.5389	2.5
23	MP2A	My	.0353	2.5
24	MP2A	Mz	0	2.5
25	MP4A	Y	-49.7823	.75
26	MP4A	My	-.0249	.75
27	MP4A	Mz	0	.75
28	MP4A	Y	-49.7823	3.75
29	MP4A	My	-.0249	3.75
30	MP4A	Mz	0	3.75
31	MP2A	Y	6.6	.25
32	MP2A	My	.0027	.25
33	MP2A	Mz	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2A	Y	6.6	.25
35	MP2A	My	-.0027	.25
36	MP2A	Mz	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.25
2	MP2A	Z	-118.53	.25
3	MP2A	Mx	-.0691	.25
4	MP2A	X	0	4.75
5	MP2A	Z	-118.53	4.75
6	MP2A	Mx	-.0691	4.75
7	MP2A	X	0	.25
8	MP2A	Z	-118.53	.25
9	MP2A	Mx	.0691	.25
10	MP2A	X	0	4.75
11	MP2A	Z	-118.53	4.75
12	MP2A	Mx	.0691	4.75
13	MP3A	X	0	1.5
14	MP3A	Z	-85.569	1.5
15	MP3A	Mx	0	1.5
16	MP3A	X	0	3.5
17	MP3A	Z	-85.569	3.5
18	MP3A	Mx	0	3.5
19	MP1A	X	0	2.5
20	MP1A	Z	-67.669	2.5
21	MP1A	Mx	0	2.5
22	MP2A	X	0	2.5
23	MP2A	Z	-67.669	2.5
24	MP2A	Mx	0	2.5
25	MP4A	X	0	.75
26	MP4A	Z	-77.492	.75
27	MP4A	Mx	0	.75
28	MP4A	X	0	3.75
29	MP4A	Z	-77.492	3.75
30	MP4A	Mx	0	3.75
31	MP2A	X	0	.25
32	MP2A	Z	-41.911	.25
33	MP2A	Mx	0	.25
34	MP2A	X	0	.25
35	MP2A	Z	-41.911	.25
36	MP2A	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	50.806	.25
2	MP2A	Z	-87.999	.25
3	MP2A	Mx	-.0767	.25
4	MP2A	X	50.806	4.75
5	MP2A	Z	-87.999	4.75
6	MP2A	Mx	-.0767	4.75
7	MP2A	X	50.806	.25
8	MP2A	Z	-87.999	.25
9	MP2A	Mx	.0259	.25
10	MP2A	X	50.806	4.75
11	MP2A	Z	-87.999	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2A	Mx	.0259	4.75
13	MP3A	X	35.772	1.5
14	MP3A	Z	-61.959	1.5
15	MP3A	Mx	-.0179	1.5
16	MP3A	X	35.772	3.5
17	MP3A	Z	-61.959	3.5
18	MP3A	Mx	-.0179	3.5
19	MP1A	X	31.051	2.5
20	MP1A	Z	-53.783	2.5
21	MP1A	Mx	.0155	2.5
22	MP2A	X	30.506	2.5
23	MP2A	Z	-52.837	2.5
24	MP2A	Mx	.0153	2.5
25	MP4A	X	36.347	.75
26	MP4A	Z	-62.954	.75
27	MP4A	Mx	-.0182	.75
28	MP4A	X	36.347	3.75
29	MP4A	Z	-62.954	3.75
30	MP4A	Mx	-.0182	3.75
31	MP2A	X	17.306	.25
32	MP2A	Z	-29.974	.25
33	MP2A	Mx	-.0072	.25
34	MP2A	X	17.306	.25
35	MP2A	Z	-29.974	.25
36	MP2A	Mx	.0072	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	58.698	.25
2	MP2A	Z	-33.889	.25
3	MP2A	Mx	-.0491	.25
4	MP2A	X	58.698	4.75
5	MP2A	Z	-33.889	4.75
6	MP2A	Mx	-.0491	4.75
7	MP2A	X	58.698	.25
8	MP2A	Z	-33.889	.25
9	MP2A	Mx	-.0096	.25
10	MP2A	X	58.698	4.75
11	MP2A	Z	-33.889	4.75
12	MP2A	Mx	-.0096	4.75
13	MP3A	X	37.667	1.5
14	MP3A	Z	-21.747	1.5
15	MP3A	Mx	-.0188	1.5
16	MP3A	X	37.667	3.5
17	MP3A	Z	-21.747	3.5
18	MP3A	Mx	-.0188	3.5
19	MP1A	X	44.141	2.5
20	MP1A	Z	-25.485	2.5
21	MP1A	Mx	.0221	2.5
22	MP2A	X	41.306	2.5
23	MP2A	Z	-23.848	2.5
24	MP2A	Mx	.0207	2.5
25	MP4A	X	54.642	.75
26	MP4A	Z	-31.548	.75
27	MP4A	Mx	-.0273	.75
28	MP4A	X	54.642	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP4A	Z	-31.548	3.75
30	MP4A	Mx	-.0273	3.75
31	MP2A	X	17.331	.25
32	MP2A	Z	-10.006	.25
33	MP2A	Mx	-.0072	.25
34	MP2A	X	17.331	.25
35	MP2A	Z	-10.006	.25
36	MP2A	Mx	.0072	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	50.861	.25
2	MP2A	Z	0	.25
3	MP2A	Mx	-.0254	.25
4	MP2A	X	50.861	4.75
5	MP2A	Z	0	4.75
6	MP2A	Mx	-.0254	4.75
7	MP2A	X	50.861	.25
8	MP2A	Z	0	.25
9	MP2A	Mx	-.0254	.25
10	MP2A	X	50.861	4.75
11	MP2A	Z	0	4.75
12	MP2A	Mx	-.0254	4.75
13	MP3A	X	29.469	1.5
14	MP3A	Z	0	1.5
15	MP3A	Mx	-.0147	1.5
16	MP3A	X	29.469	3.5
17	MP3A	Z	0	3.5
18	MP3A	Mx	-.0147	3.5
19	MP1A	X	45.404	2.5
20	MP1A	Z	0	2.5
21	MP1A	Mx	.0227	2.5
22	MP2A	X	41.038	2.5
23	MP2A	Z	0	2.5
24	MP2A	Mx	.0205	2.5
25	MP4A	X	58.297	.75
26	MP4A	Z	0	.75
27	MP4A	Mx	-.0291	.75
28	MP4A	X	58.297	3.75
29	MP4A	Z	0	3.75
30	MP4A	Mx	-.0291	3.75
31	MP2A	X	12.712	.25
32	MP2A	Z	0	.25
33	MP2A	Mx	-.0053	.25
34	MP2A	X	12.712	.25
35	MP2A	Z	0	.25
36	MP2A	Mx	.0053	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	58.698	.25
2	MP2A	Z	33.889	.25
3	MP2A	Mx	-.0096	.25
4	MP2A	X	58.698	4.75
5	MP2A	Z	33.889	4.75
6	MP2A	Mx	-.0096	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2A	X	58.698	.25
8	MP2A	Z	33.889	.25
9	MP2A	Mx	-.0491	.25
10	MP2A	X	58.698	4.75
11	MP2A	Z	33.889	4.75
12	MP2A	Mx	-.0491	4.75
13	MP3A	X	37.667	1.5
14	MP3A	Z	21.747	1.5
15	MP3A	Mx	-.0188	1.5
16	MP3A	X	37.667	3.5
17	MP3A	Z	21.747	3.5
18	MP3A	Mx	-.0188	3.5
19	MP1A	X	44.141	2.5
20	MP1A	Z	25.485	2.5
21	MP1A	Mx	.0221	2.5
22	MP2A	X	41.306	2.5
23	MP2A	Z	23.848	2.5
24	MP2A	Mx	.0207	2.5
25	MP4A	X	54.642	.75
26	MP4A	Z	31.548	.75
27	MP4A	Mx	-.0273	.75
28	MP4A	X	54.642	3.75
29	MP4A	Z	31.548	3.75
30	MP4A	Mx	-.0273	3.75
31	MP2A	X	17.331	.25
32	MP2A	Z	10.006	.25
33	MP2A	Mx	-.0072	.25
34	MP2A	X	17.331	.25
35	MP2A	Z	10.006	.25
36	MP2A	Mx	.0072	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	50.806	.25
2	MP2A	Z	87.999	.25
3	MP2A	Mx	.0259	.25
4	MP2A	X	50.806	4.75
5	MP2A	Z	87.999	4.75
6	MP2A	Mx	.0259	4.75
7	MP2A	X	50.806	.25
8	MP2A	Z	87.999	.25
9	MP2A	Mx	-.0767	.25
10	MP2A	X	50.806	4.75
11	MP2A	Z	87.999	4.75
12	MP2A	Mx	-.0767	4.75
13	MP3A	X	35.772	1.5
14	MP3A	Z	61.959	1.5
15	MP3A	Mx	-.0179	1.5
16	MP3A	X	35.772	3.5
17	MP3A	Z	61.959	3.5
18	MP3A	Mx	-.0179	3.5
19	MP1A	X	31.051	2.5
20	MP1A	Z	53.783	2.5
21	MP1A	Mx	.0155	2.5
22	MP2A	X	30.506	2.5
23	MP2A	Z	52.837	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.0153	2.5
25	MP4A	X	36.347	.75
26	MP4A	Z	62.954	.75
27	MP4A	Mx	-.0182	.75
28	MP4A	X	36.347	3.75
29	MP4A	Z	62.954	3.75
30	MP4A	Mx	-.0182	3.75
31	MP2A	X	17.306	.25
32	MP2A	Z	29.974	.25
33	MP2A	Mx	-.0072	.25
34	MP2A	X	17.306	.25
35	MP2A	Z	29.974	.25
36	MP2A	Mx	.0072	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.25
2	MP2A	Z	118.53	.25
3	MP2A	Mx	.0691	.25
4	MP2A	X	0	4.75
5	MP2A	Z	118.53	4.75
6	MP2A	Mx	.0691	4.75
7	MP2A	X	0	.25
8	MP2A	Z	118.53	.25
9	MP2A	Mx	-.0691	.25
10	MP2A	X	0	4.75
11	MP2A	Z	118.53	4.75
12	MP2A	Mx	-.0691	4.75
13	MP3A	X	0	1.5
14	MP3A	Z	85.569	1.5
15	MP3A	Mx	0	1.5
16	MP3A	X	0	3.5
17	MP3A	Z	85.569	3.5
18	MP3A	Mx	0	3.5
19	MP1A	X	0	2.5
20	MP1A	Z	67.669	2.5
21	MP1A	Mx	0	2.5
22	MP2A	X	0	2.5
23	MP2A	Z	67.669	2.5
24	MP2A	Mx	0	2.5
25	MP4A	X	0	.75
26	MP4A	Z	77.492	.75
27	MP4A	Mx	0	.75
28	MP4A	X	0	3.75
29	MP4A	Z	77.492	3.75
30	MP4A	Mx	0	3.75
31	MP2A	X	0	.25
32	MP2A	Z	41.911	.25
33	MP2A	Mx	0	.25
34	MP2A	X	0	.25
35	MP2A	Z	41.911	.25
36	MP2A	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-50.806	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	87.999	.25
3	MP2A	Mx	.0767	.25
4	MP2A	X	-50.806	4.75
5	MP2A	Z	87.999	4.75
6	MP2A	Mx	.0767	4.75
7	MP2A	X	-50.806	.25
8	MP2A	Z	87.999	.25
9	MP2A	Mx	-.0259	.25
10	MP2A	X	-50.806	4.75
11	MP2A	Z	87.999	4.75
12	MP2A	Mx	-.0259	4.75
13	MP3A	X	-35.772	1.5
14	MP3A	Z	61.959	1.5
15	MP3A	Mx	.0179	1.5
16	MP3A	X	-35.772	3.5
17	MP3A	Z	61.959	3.5
18	MP3A	Mx	.0179	3.5
19	MP1A	X	-31.051	2.5
20	MP1A	Z	53.783	2.5
21	MP1A	Mx	-.0155	2.5
22	MP2A	X	-30.506	2.5
23	MP2A	Z	52.837	2.5
24	MP2A	Mx	-.0153	2.5
25	MP4A	X	-36.347	.75
26	MP4A	Z	62.954	.75
27	MP4A	Mx	.0182	.75
28	MP4A	X	-36.347	3.75
29	MP4A	Z	62.954	3.75
30	MP4A	Mx	.0182	3.75
31	MP2A	X	-17.306	.25
32	MP2A	Z	29.974	.25
33	MP2A	Mx	.0072	.25
34	MP2A	X	-17.306	.25
35	MP2A	Z	29.974	.25
36	MP2A	Mx	-.0072	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-58.698	.25
2	MP2A	Z	33.889	.25
3	MP2A	Mx	.0491	.25
4	MP2A	X	-58.698	4.75
5	MP2A	Z	33.889	4.75
6	MP2A	Mx	.0491	4.75
7	MP2A	X	-58.698	.25
8	MP2A	Z	33.889	.25
9	MP2A	Mx	.0096	.25
10	MP2A	X	-58.698	4.75
11	MP2A	Z	33.889	4.75
12	MP2A	Mx	.0096	4.75
13	MP3A	X	-37.667	1.5
14	MP3A	Z	21.747	1.5
15	MP3A	Mx	.0188	1.5
16	MP3A	X	-37.667	3.5
17	MP3A	Z	21.747	3.5
18	MP3A	Mx	.0188	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP1A	X	-44.141	2.5
20	MP1A	Z	25.485	2.5
21	MP1A	Mx	-.0221	2.5
22	MP2A	X	-41.306	2.5
23	MP2A	Z	23.848	2.5
24	MP2A	Mx	-.0207	2.5
25	MP4A	X	-54.642	.75
26	MP4A	Z	31.548	.75
27	MP4A	Mx	.0273	.75
28	MP4A	X	-54.642	3.75
29	MP4A	Z	31.548	3.75
30	MP4A	Mx	.0273	3.75
31	MP2A	X	-17.331	.25
32	MP2A	Z	10.006	.25
33	MP2A	Mx	.0072	.25
34	MP2A	X	-17.331	.25
35	MP2A	Z	10.006	.25
36	MP2A	Mx	-.0072	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-50.861	.25
2	MP2A	Z	0	.25
3	MP2A	Mx	.0254	.25
4	MP2A	X	-50.861	4.75
5	MP2A	Z	0	4.75
6	MP2A	Mx	.0254	4.75
7	MP2A	X	-50.861	.25
8	MP2A	Z	0	.25
9	MP2A	Mx	.0254	.25
10	MP2A	X	-50.861	4.75
11	MP2A	Z	0	4.75
12	MP2A	Mx	.0254	4.75
13	MP3A	X	-29.469	1.5
14	MP3A	Z	0	1.5
15	MP3A	Mx	.0147	1.5
16	MP3A	X	-29.469	3.5
17	MP3A	Z	0	3.5
18	MP3A	Mx	.0147	3.5
19	MP1A	X	-45.404	2.5
20	MP1A	Z	0	2.5
21	MP1A	Mx	-.0227	2.5
22	MP2A	X	-41.038	2.5
23	MP2A	Z	0	2.5
24	MP2A	Mx	-.0205	2.5
25	MP4A	X	-58.297	.75
26	MP4A	Z	0	.75
27	MP4A	Mx	.0291	.75
28	MP4A	X	-58.297	3.75
29	MP4A	Z	0	3.75
30	MP4A	Mx	.0291	3.75
31	MP2A	X	-12.712	.25
32	MP2A	Z	0	.25
33	MP2A	Mx	.0053	.25
34	MP2A	X	-12.712	.25
35	MP2A	Z	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2A	Mx	-.0053	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-58.698	.25
2	MP2A	Z	-33.889	.25
3	MP2A	Mx	.0096	.25
4	MP2A	X	-58.698	4.75
5	MP2A	Z	-33.889	4.75
6	MP2A	Mx	.0096	4.75
7	MP2A	X	-58.698	.25
8	MP2A	Z	-33.889	.25
9	MP2A	Mx	.0491	.25
10	MP2A	X	-58.698	4.75
11	MP2A	Z	-33.889	4.75
12	MP2A	Mx	.0491	4.75
13	MP3A	X	-37.667	1.5
14	MP3A	Z	-21.747	1.5
15	MP3A	Mx	.0188	1.5
16	MP3A	X	-37.667	3.5
17	MP3A	Z	-21.747	3.5
18	MP3A	Mx	.0188	3.5
19	MP1A	X	-44.141	2.5
20	MP1A	Z	-25.485	2.5
21	MP1A	Mx	-.0221	2.5
22	MP2A	X	-41.306	2.5
23	MP2A	Z	-23.848	2.5
24	MP2A	Mx	-.0207	2.5
25	MP4A	X	-54.642	.75
26	MP4A	Z	-31.548	.75
27	MP4A	Mx	.0273	.75
28	MP4A	X	-54.642	3.75
29	MP4A	Z	-31.548	3.75
30	MP4A	Mx	.0273	3.75
31	MP2A	X	-17.331	.25
32	MP2A	Z	-10.006	.25
33	MP2A	Mx	.0072	.25
34	MP2A	X	-17.331	.25
35	MP2A	Z	-10.006	.25
36	MP2A	Mx	-.0072	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-50.806	.25
2	MP2A	Z	-87.999	.25
3	MP2A	Mx	-.0259	.25
4	MP2A	X	-50.806	4.75
5	MP2A	Z	-87.999	4.75
6	MP2A	Mx	-.0259	4.75
7	MP2A	X	-50.806	.25
8	MP2A	Z	-87.999	.25
9	MP2A	Mx	.0767	.25
10	MP2A	X	-50.806	4.75
11	MP2A	Z	-87.999	4.75
12	MP2A	Mx	.0767	4.75
13	MP3A	X	-35.772	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3A	Z	-61.959	1.5
15	MP3A	Mx	.0179	1.5
16	MP3A	X	-35.772	3.5
17	MP3A	Z	-61.959	3.5
18	MP3A	Mx	.0179	3.5
19	MP1A	X	-31.051	2.5
20	MP1A	Z	-53.783	2.5
21	MP1A	Mx	-.0155	2.5
22	MP2A	X	-30.506	2.5
23	MP2A	Z	-52.837	2.5
24	MP2A	Mx	-.0153	2.5
25	MP4A	X	-36.347	.75
26	MP4A	Z	-62.954	.75
27	MP4A	Mx	.0182	.75
28	MP4A	X	-36.347	3.75
29	MP4A	Z	-62.954	3.75
30	MP4A	Mx	.0182	3.75
31	MP2A	X	-17.306	.25
32	MP2A	Z	-29.974	.25
33	MP2A	Mx	.0072	.25
34	MP2A	X	-17.306	.25
35	MP2A	Z	-29.974	.25
36	MP2A	Mx	-.0072	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.25
2	MP2A	Z	-35.603	.25
3	MP2A	Mx	-.0208	.25
4	MP2A	X	0	4.75
5	MP2A	Z	-35.603	4.75
6	MP2A	Mx	-.0208	4.75
7	MP2A	X	0	.25
8	MP2A	Z	-35.603	.25
9	MP2A	Mx	.0208	.25
10	MP2A	X	0	4.75
11	MP2A	Z	-35.603	4.75
12	MP2A	Mx	.0208	4.75
13	MP3A	X	0	1.5
14	MP3A	Z	-21.425	1.5
15	MP3A	Mx	0	1.5
16	MP3A	X	0	3.5
17	MP3A	Z	-21.425	3.5
18	MP3A	Mx	0	3.5
19	MP1A	X	0	2.5
20	MP1A	Z	-18.597	2.5
21	MP1A	Mx	0	2.5
22	MP2A	X	0	2.5
23	MP2A	Z	-18.597	2.5
24	MP2A	Mx	0	2.5
25	MP4A	X	0	.75
26	MP4A	Z	-16.91	.75
27	MP4A	Mx	0	.75
28	MP4A	X	0	3.75
29	MP4A	Z	-16.91	3.75
30	MP4A	Mx	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2A	X	0	.25
32	MP2A	Z	-10.572	.25
33	MP2A	Mx	0	.25
34	MP2A	X	0	.25
35	MP2A	Z	-10.572	.25
36	MP2A	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.485	.25
2	MP2A	Z	-28.552	.25
3	MP2A	Mx	-.0249	.25
4	MP2A	X	16.485	4.75
5	MP2A	Z	-28.552	4.75
6	MP2A	Mx	-.0249	4.75
7	MP2A	X	16.485	.25
8	MP2A	Z	-28.552	.25
9	MP2A	Mx	.0084	.25
10	MP2A	X	16.485	4.75
11	MP2A	Z	-28.552	4.75
12	MP2A	Mx	.0084	4.75
13	MP3A	X	9.227	1.5
14	MP3A	Z	-15.982	1.5
15	MP3A	Mx	-.0046	1.5
16	MP3A	X	9.227	3.5
17	MP3A	Z	-15.982	3.5
18	MP3A	Mx	-.0046	3.5
19	MP1A	X	8.624	2.5
20	MP1A	Z	-14.938	2.5
21	MP1A	Mx	.0043	2.5
22	MP2A	X	8.503	2.5
23	MP2A	Z	-14.728	2.5
24	MP2A	Mx	.0043	2.5
25	MP4A	X	8.015	.75
26	MP4A	Z	-13.883	.75
27	MP4A	Mx	-.004	.75
28	MP4A	X	8.015	3.75
29	MP4A	Z	-13.883	3.75
30	MP4A	Mx	-.004	3.75
31	MP2A	X	4.516	.25
32	MP2A	Z	-7.821	.25
33	MP2A	Mx	-.0019	.25
34	MP2A	X	4.516	.25
35	MP2A	Z	-7.821	.25
36	MP2A	Mx	.0019	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.99	.25
2	MP2A	Z	-13.851	.25
3	MP2A	Mx	-.0201	.25
4	MP2A	X	23.99	4.75
5	MP2A	Z	-13.851	4.75
6	MP2A	Mx	-.0201	4.75
7	MP2A	X	23.99	.25
8	MP2A	Z	-13.851	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2A	Mx	-.0039	.25
10	MP2A	X	23.99	4.75
11	MP2A	Z	-13.851	4.75
12	MP2A	Mx	-.0039	4.75
13	MP3A	X	10.838	1.5
14	MP3A	Z	-6.257	1.5
15	MP3A	Mx	-.0054	1.5
16	MP3A	X	10.838	3.5
17	MP3A	Z	-6.257	3.5
18	MP3A	Mx	-.0054	3.5
19	MP1A	X	12.604	2.5
20	MP1A	Z	-7.277	2.5
21	MP1A	Mx	.0063	2.5
22	MP2A	X	11.973	2.5
23	MP2A	Z	-6.913	2.5
24	MP2A	Mx	.006	2.5
25	MP4A	X	12.359	.75
26	MP4A	Z	-7.136	.75
27	MP4A	Mx	-.0062	.75
28	MP4A	X	12.359	3.75
29	MP4A	Z	-7.136	3.75
30	MP4A	Mx	-.0062	3.75
31	MP2A	X	5.153	.25
32	MP2A	Z	-2.975	.25
33	MP2A	Mx	-.0021	.25
34	MP2A	X	5.153	.25
35	MP2A	Z	-2.975	.25
36	MP2A	Mx	.0021	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	25.067	.25
2	MP2A	Z	0	.25
3	MP2A	Mx	-.0125	.25
4	MP2A	X	25.067	4.75
5	MP2A	Z	0	4.75
6	MP2A	Mx	-.0125	4.75
7	MP2A	X	25.067	.25
8	MP2A	Z	0	.25
9	MP2A	Mx	-.0125	.25
10	MP2A	X	25.067	4.75
11	MP2A	Z	0	4.75
12	MP2A	Mx	-.0125	4.75
13	MP3A	X	9.544	1.5
14	MP3A	Z	0	1.5
15	MP3A	Mx	-.0048	1.5
16	MP3A	X	9.544	3.5
17	MP3A	Z	0	3.5
18	MP3A	Mx	-.0048	3.5
19	MP1A	X	13.206	2.5
20	MP1A	Z	0	2.5
21	MP1A	Mx	.0066	2.5
22	MP2A	X	12.235	2.5
23	MP2A	Z	0	2.5
24	MP2A	Mx	.0061	2.5
25	MP4A	X	13.392	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP4A	Z	0	.75
27	MP4A	Mx	-.0067	.75
28	MP4A	X	13.392	3.75
29	MP4A	Z	0	3.75
30	MP4A	Mx	-.0067	3.75
31	MP2A	X	4.41	.25
32	MP2A	Z	0	.25
33	MP2A	Mx	-.0018	.25
34	MP2A	X	4.41	.25
35	MP2A	Z	0	.25
36	MP2A	Mx	.0018	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.99	.25
2	MP2A	Z	13.851	.25
3	MP2A	Mx	-.0039	.25
4	MP2A	X	23.99	4.75
5	MP2A	Z	13.851	4.75
6	MP2A	Mx	-.0039	4.75
7	MP2A	X	23.99	.25
8	MP2A	Z	13.851	.25
9	MP2A	Mx	-.0201	.25
10	MP2A	X	23.99	4.75
11	MP2A	Z	13.851	4.75
12	MP2A	Mx	-.0201	4.75
13	MP3A	X	10.838	1.5
14	MP3A	Z	6.257	1.5
15	MP3A	Mx	-.0054	1.5
16	MP3A	X	10.838	3.5
17	MP3A	Z	6.257	3.5
18	MP3A	Mx	-.0054	3.5
19	MP1A	X	12.604	2.5
20	MP1A	Z	7.277	2.5
21	MP1A	Mx	.0063	2.5
22	MP2A	X	11.973	2.5
23	MP2A	Z	6.913	2.5
24	MP2A	Mx	.006	2.5
25	MP4A	X	12.359	.75
26	MP4A	Z	7.136	.75
27	MP4A	Mx	-.0062	.75
28	MP4A	X	12.359	3.75
29	MP4A	Z	7.136	3.75
30	MP4A	Mx	-.0062	3.75
31	MP2A	X	5.153	.25
32	MP2A	Z	2.975	.25
33	MP2A	Mx	-.0021	.25
34	MP2A	X	5.153	.25
35	MP2A	Z	2.975	.25
36	MP2A	Mx	.0021	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.485	.25
2	MP2A	Z	28.552	.25
3	MP2A	Mx	.0084	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	16.485	4.75
5	MP2A	Z	28.552	4.75
6	MP2A	Mx	.0084	4.75
7	MP2A	X	16.485	.25
8	MP2A	Z	28.552	.25
9	MP2A	Mx	-.0249	.25
10	MP2A	X	16.485	4.75
11	MP2A	Z	28.552	4.75
12	MP2A	Mx	-.0249	4.75
13	MP3A	X	9.227	1.5
14	MP3A	Z	15.982	1.5
15	MP3A	Mx	-.0046	1.5
16	MP3A	X	9.227	3.5
17	MP3A	Z	15.982	3.5
18	MP3A	Mx	-.0046	3.5
19	MP1A	X	8.624	2.5
20	MP1A	Z	14.938	2.5
21	MP1A	Mx	.0043	2.5
22	MP2A	X	8.503	2.5
23	MP2A	Z	14.728	2.5
24	MP2A	Mx	.0043	2.5
25	MP4A	X	8.015	.75
26	MP4A	Z	13.883	.75
27	MP4A	Mx	-.004	.75
28	MP4A	X	8.015	3.75
29	MP4A	Z	13.883	3.75
30	MP4A	Mx	-.004	3.75
31	MP2A	X	4.516	.25
32	MP2A	Z	7.821	.25
33	MP2A	Mx	-.0019	.25
34	MP2A	X	4.516	.25
35	MP2A	Z	7.821	.25
36	MP2A	Mx	.0019	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.25
2	MP2A	Z	35.603	.25
3	MP2A	Mx	.0208	.25
4	MP2A	X	0	4.75
5	MP2A	Z	35.603	4.75
6	MP2A	Mx	.0208	4.75
7	MP2A	X	0	.25
8	MP2A	Z	35.603	.25
9	MP2A	Mx	-.0208	.25
10	MP2A	X	0	4.75
11	MP2A	Z	35.603	4.75
12	MP2A	Mx	-.0208	4.75
13	MP3A	X	0	1.5
14	MP3A	Z	21.425	1.5
15	MP3A	Mx	0	1.5
16	MP3A	X	0	3.5
17	MP3A	Z	21.425	3.5
18	MP3A	Mx	0	3.5
19	MP1A	X	0	2.5
20	MP1A	Z	18.597	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	0	2.5
22	MP2A	X	0	2.5
23	MP2A	Z	18.597	2.5
24	MP2A	Mx	0	2.5
25	MP4A	X	0	.75
26	MP4A	Z	16.91	.75
27	MP4A	Mx	0	.75
28	MP4A	X	0	3.75
29	MP4A	Z	16.91	3.75
30	MP4A	Mx	0	3.75
31	MP2A	X	0	.25
32	MP2A	Z	10.572	.25
33	MP2A	Mx	0	.25
34	MP2A	X	0	.25
35	MP2A	Z	10.572	.25
36	MP2A	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.485	.25
2	MP2A	Z	28.552	.25
3	MP2A	Mx	.0249	.25
4	MP2A	X	-16.485	4.75
5	MP2A	Z	28.552	4.75
6	MP2A	Mx	.0249	4.75
7	MP2A	X	-16.485	.25
8	MP2A	Z	28.552	.25
9	MP2A	Mx	-.0084	.25
10	MP2A	X	-16.485	4.75
11	MP2A	Z	28.552	4.75
12	MP2A	Mx	-.0084	4.75
13	MP3A	X	-9.227	1.5
14	MP3A	Z	15.982	1.5
15	MP3A	Mx	.0046	1.5
16	MP3A	X	-9.227	3.5
17	MP3A	Z	15.982	3.5
18	MP3A	Mx	.0046	3.5
19	MP1A	X	-8.624	2.5
20	MP1A	Z	14.938	2.5
21	MP1A	Mx	-.0043	2.5
22	MP2A	X	-8.503	2.5
23	MP2A	Z	14.728	2.5
24	MP2A	Mx	-.0043	2.5
25	MP4A	X	-8.015	.75
26	MP4A	Z	13.883	.75
27	MP4A	Mx	.004	.75
28	MP4A	X	-8.015	3.75
29	MP4A	Z	13.883	3.75
30	MP4A	Mx	.004	3.75
31	MP2A	X	-4.516	.25
32	MP2A	Z	7.821	.25
33	MP2A	Mx	.0019	.25
34	MP2A	X	-4.516	.25
35	MP2A	Z	7.821	.25
36	MP2A	Mx	-.0019	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-23.99	.25
2	MP2A	Z	13.851	.25
3	MP2A	Mx	.0201	.25
4	MP2A	X	-23.99	4.75
5	MP2A	Z	13.851	4.75
6	MP2A	Mx	.0201	4.75
7	MP2A	X	-23.99	.25
8	MP2A	Z	13.851	.25
9	MP2A	Mx	.0039	.25
10	MP2A	X	-23.99	4.75
11	MP2A	Z	13.851	4.75
12	MP2A	Mx	.0039	4.75
13	MP3A	X	-10.838	1.5
14	MP3A	Z	6.257	1.5
15	MP3A	Mx	.0054	1.5
16	MP3A	X	-10.838	3.5
17	MP3A	Z	6.257	3.5
18	MP3A	Mx	.0054	3.5
19	MP1A	X	-12.604	2.5
20	MP1A	Z	7.277	2.5
21	MP1A	Mx	-.0063	2.5
22	MP2A	X	-11.973	2.5
23	MP2A	Z	6.913	2.5
24	MP2A	Mx	-.006	2.5
25	MP4A	X	-12.359	.75
26	MP4A	Z	7.136	.75
27	MP4A	Mx	.0062	.75
28	MP4A	X	-12.359	3.75
29	MP4A	Z	7.136	3.75
30	MP4A	Mx	.0062	3.75
31	MP2A	X	-5.153	.25
32	MP2A	Z	2.975	.25
33	MP2A	Mx	.0021	.25
34	MP2A	X	-5.153	.25
35	MP2A	Z	2.975	.25
36	MP2A	Mx	-.0021	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-25.067	.25
2	MP2A	Z	0	.25
3	MP2A	Mx	.0125	.25
4	MP2A	X	-25.067	4.75
5	MP2A	Z	0	4.75
6	MP2A	Mx	.0125	4.75
7	MP2A	X	-25.067	.25
8	MP2A	Z	0	.25
9	MP2A	Mx	.0125	.25
10	MP2A	X	-25.067	4.75
11	MP2A	Z	0	4.75
12	MP2A	Mx	.0125	4.75
13	MP3A	X	-9.544	1.5
14	MP3A	Z	0	1.5
15	MP3A	Mx	.0048	1.5
16	MP3A	X	-9.544	3.5
17	MP3A	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3A	Mx	.0048	3.5
19	MP1A	X	-13.206	2.5
20	MP1A	Z	0	2.5
21	MP1A	Mx	-.0066	2.5
22	MP2A	X	-12.235	2.5
23	MP2A	Z	0	2.5
24	MP2A	Mx	-.0061	2.5
25	MP4A	X	-13.392	.75
26	MP4A	Z	0	.75
27	MP4A	Mx	.0067	.75
28	MP4A	X	-13.392	3.75
29	MP4A	Z	0	3.75
30	MP4A	Mx	.0067	3.75
31	MP2A	X	-4.41	.25
32	MP2A	Z	0	.25
33	MP2A	Mx	.0018	.25
34	MP2A	X	-4.41	.25
35	MP2A	Z	0	.25
36	MP2A	Mx	-.0018	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-23.99	.25
2	MP2A	Z	-13.851	.25
3	MP2A	Mx	.0039	.25
4	MP2A	X	-23.99	4.75
5	MP2A	Z	-13.851	4.75
6	MP2A	Mx	.0039	4.75
7	MP2A	X	-23.99	.25
8	MP2A	Z	-13.851	.25
9	MP2A	Mx	.0201	.25
10	MP2A	X	-23.99	4.75
11	MP2A	Z	-13.851	4.75
12	MP2A	Mx	.0201	4.75
13	MP3A	X	-10.838	1.5
14	MP3A	Z	-6.257	1.5
15	MP3A	Mx	.0054	1.5
16	MP3A	X	-10.838	3.5
17	MP3A	Z	-6.257	3.5
18	MP3A	Mx	.0054	3.5
19	MP1A	X	-12.604	2.5
20	MP1A	Z	-7.277	2.5
21	MP1A	Mx	-.0063	2.5
22	MP2A	X	-11.973	2.5
23	MP2A	Z	-6.913	2.5
24	MP2A	Mx	-.006	2.5
25	MP4A	X	-12.359	.75
26	MP4A	Z	-7.136	.75
27	MP4A	Mx	.0062	.75
28	MP4A	X	-12.359	3.75
29	MP4A	Z	-7.136	3.75
30	MP4A	Mx	.0062	3.75
31	MP2A	X	-5.153	.25
32	MP2A	Z	-2.975	.25
33	MP2A	Mx	.0021	.25
34	MP2A	X	-5.153	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2A	Z	-2.975	.25
36	MP2A	Mx	-.0021	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.485	.25
2	MP2A	Z	-28.552	.25
3	MP2A	Mx	-.0084	.25
4	MP2A	X	-16.485	4.75
5	MP2A	Z	-28.552	4.75
6	MP2A	Mx	-.0084	4.75
7	MP2A	X	-16.485	.25
8	MP2A	Z	-28.552	.25
9	MP2A	Mx	.0249	.25
10	MP2A	X	-16.485	4.75
11	MP2A	Z	-28.552	4.75
12	MP2A	Mx	.0249	4.75
13	MP3A	X	-9.227	1.5
14	MP3A	Z	-15.982	1.5
15	MP3A	Mx	.0046	1.5
16	MP3A	X	-9.227	3.5
17	MP3A	Z	-15.982	3.5
18	MP3A	Mx	.0046	3.5
19	MP1A	X	-8.624	2.5
20	MP1A	Z	-14.938	2.5
21	MP1A	Mx	-.0043	2.5
22	MP2A	X	-8.503	2.5
23	MP2A	Z	-14.728	2.5
24	MP2A	Mx	-.0043	2.5
25	MP4A	X	-8.015	.75
26	MP4A	Z	-13.883	.75
27	MP4A	Mx	.004	.75
28	MP4A	X	-8.015	3.75
29	MP4A	Z	-13.883	3.75
30	MP4A	Mx	.004	3.75
31	MP2A	X	-4.516	.25
32	MP2A	Z	-7.821	.25
33	MP2A	Mx	.0019	.25
34	MP2A	X	-4.516	.25
35	MP2A	Z	-7.821	.25
36	MP2A	Mx	-.0019	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.25
2	MP2A	Z	-7.408	.25
3	MP2A	Mx	-.0043	.25
4	MP2A	X	0	4.75
5	MP2A	Z	-7.408	4.75
6	MP2A	Mx	-.0043	4.75
7	MP2A	X	0	.25
8	MP2A	Z	-7.408	.25
9	MP2A	Mx	.0043	.25
10	MP2A	X	0	4.75
11	MP2A	Z	-7.408	4.75
12	MP2A	Mx	.0043	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3A	X	0	1.5
14	MP3A	Z	-5.348	1.5
15	MP3A	Mx	0	1.5
16	MP3A	X	0	3.5
17	MP3A	Z	-5.348	3.5
18	MP3A	Mx	0	3.5
19	MP1A	X	0	2.5
20	MP1A	Z	-4.229	2.5
21	MP1A	Mx	0	2.5
22	MP2A	X	0	2.5
23	MP2A	Z	-4.229	2.5
24	MP2A	Mx	0	2.5
25	MP4A	X	0	.75
26	MP4A	Z	-4.843	.75
27	MP4A	Mx	0	.75
28	MP4A	X	0	3.75
29	MP4A	Z	-4.843	3.75
30	MP4A	Mx	0	3.75
31	MP2A	X	0	.25
32	MP2A	Z	-2.619	.25
33	MP2A	Mx	0	.25
34	MP2A	X	0	.25
35	MP2A	Z	-2.619	.25
36	MP2A	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.175	.25
2	MP2A	Z	-5.5	.25
3	MP2A	Mx	-.0048	.25
4	MP2A	X	3.175	4.75
5	MP2A	Z	-5.5	4.75
6	MP2A	Mx	-.0048	4.75
7	MP2A	X	3.175	.25
8	MP2A	Z	-5.5	.25
9	MP2A	Mx	.0016	.25
10	MP2A	X	3.175	4.75
11	MP2A	Z	-5.5	4.75
12	MP2A	Mx	.0016	4.75
13	MP3A	X	2.236	1.5
14	MP3A	Z	-3.872	1.5
15	MP3A	Mx	-.0011	1.5
16	MP3A	X	2.236	3.5
17	MP3A	Z	-3.872	3.5
18	MP3A	Mx	-.0011	3.5
19	MP1A	X	1.941	2.5
20	MP1A	Z	-3.361	2.5
21	MP1A	Mx	.000971	2.5
22	MP2A	X	1.907	2.5
23	MP2A	Z	-3.302	2.5
24	MP2A	Mx	.000954	2.5
25	MP4A	X	2.272	.75
26	MP4A	Z	-3.935	.75
27	MP4A	Mx	-.0011	.75
28	MP4A	X	2.272	3.75
29	MP4A	Z	-3.935	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP4A	Mx	-.0011	3.75
31	MP2A	X	1.082	.25
32	MP2A	Z	-1.873	.25
33	MP2A	Mx	-.000451	.25
34	MP2A	X	1.082	.25
35	MP2A	Z	-1.873	.25
36	MP2A	Mx	.000451	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.669	.25
2	MP2A	Z	-2.118	.25
3	MP2A	Mx	-.0031	.25
4	MP2A	X	3.669	4.75
5	MP2A	Z	-2.118	4.75
6	MP2A	Mx	-.0031	4.75
7	MP2A	X	3.669	.25
8	MP2A	Z	-2.118	.25
9	MP2A	Mx	-.000599	.25
10	MP2A	X	3.669	4.75
11	MP2A	Z	-2.118	4.75
12	MP2A	Mx	-.000599	4.75
13	MP3A	X	2.354	1.5
14	MP3A	Z	-1.359	1.5
15	MP3A	Mx	-.0012	1.5
16	MP3A	X	2.354	3.5
17	MP3A	Z	-1.359	3.5
18	MP3A	Mx	-.0012	3.5
19	MP1A	X	2.759	2.5
20	MP1A	Z	-1.593	2.5
21	MP1A	Mx	.0014	2.5
22	MP2A	X	2.582	2.5
23	MP2A	Z	-1.49	2.5
24	MP2A	Mx	.0013	2.5
25	MP4A	X	3.415	.75
26	MP4A	Z	-1.972	.75
27	MP4A	Mx	-.0017	.75
28	MP4A	X	3.415	3.75
29	MP4A	Z	-1.972	3.75
30	MP4A	Mx	-.0017	3.75
31	MP2A	X	1.083	.25
32	MP2A	Z	-.625	.25
33	MP2A	Mx	-.000451	.25
34	MP2A	X	1.083	.25
35	MP2A	Z	-.625	.25
36	MP2A	Mx	.000451	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.179	.25
2	MP2A	Z	0	.25
3	MP2A	Mx	-.0016	.25
4	MP2A	X	3.179	4.75
5	MP2A	Z	0	4.75
6	MP2A	Mx	-.0016	4.75
7	MP2A	X	3.179	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2A	Z	0	.25
9	MP2A	Mx	-.0016	.25
10	MP2A	X	3.179	4.75
11	MP2A	Z	0	4.75
12	MP2A	Mx	-.0016	4.75
13	MP3A	X	1.842	1.5
14	MP3A	Z	0	1.5
15	MP3A	Mx	-.000921	1.5
16	MP3A	X	1.842	3.5
17	MP3A	Z	0	3.5
18	MP3A	Mx	-.000921	3.5
19	MP1A	X	2.838	2.5
20	MP1A	Z	0	2.5
21	MP1A	Mx	.0014	2.5
22	MP2A	X	2.565	2.5
23	MP2A	Z	0	2.5
24	MP2A	Mx	.0013	2.5
25	MP4A	X	3.644	.75
26	MP4A	Z	0	.75
27	MP4A	Mx	-.0018	.75
28	MP4A	X	3.644	3.75
29	MP4A	Z	0	3.75
30	MP4A	Mx	-.0018	3.75
31	MP2A	X	.794	.25
32	MP2A	Z	0	.25
33	MP2A	Mx	-.000331	.25
34	MP2A	X	.794	.25
35	MP2A	Z	0	.25
36	MP2A	Mx	.000331	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.669	.25
2	MP2A	Z	2.118	.25
3	MP2A	Mx	-.000599	.25
4	MP2A	X	3.669	4.75
5	MP2A	Z	2.118	4.75
6	MP2A	Mx	-.000599	4.75
7	MP2A	X	3.669	.25
8	MP2A	Z	2.118	.25
9	MP2A	Mx	-.0031	.25
10	MP2A	X	3.669	4.75
11	MP2A	Z	2.118	4.75
12	MP2A	Mx	-.0031	4.75
13	MP3A	X	2.354	1.5
14	MP3A	Z	1.359	1.5
15	MP3A	Mx	-.0012	1.5
16	MP3A	X	2.354	3.5
17	MP3A	Z	1.359	3.5
18	MP3A	Mx	-.0012	3.5
19	MP1A	X	2.759	2.5
20	MP1A	Z	1.593	2.5
21	MP1A	Mx	.0014	2.5
22	MP2A	X	2.582	2.5
23	MP2A	Z	1.49	2.5
24	MP2A	Mx	.0013	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP4A	X	3.415	.75
26	MP4A	Z	1.972	.75
27	MP4A	Mx	-.0017	.75
28	MP4A	X	3.415	3.75
29	MP4A	Z	1.972	3.75
30	MP4A	Mx	-.0017	3.75
31	MP2A	X	1.083	.25
32	MP2A	Z	.625	.25
33	MP2A	Mx	-.000451	.25
34	MP2A	X	1.083	.25
35	MP2A	Z	.625	.25
36	MP2A	Mx	.000451	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.175	.25
2	MP2A	Z	5.5	.25
3	MP2A	Mx	.0016	.25
4	MP2A	X	3.175	4.75
5	MP2A	Z	5.5	4.75
6	MP2A	Mx	.0016	4.75
7	MP2A	X	3.175	.25
8	MP2A	Z	5.5	.25
9	MP2A	Mx	-.0048	.25
10	MP2A	X	3.175	4.75
11	MP2A	Z	5.5	4.75
12	MP2A	Mx	-.0048	4.75
13	MP3A	X	2.236	1.5
14	MP3A	Z	3.872	1.5
15	MP3A	Mx	-.0011	1.5
16	MP3A	X	2.236	3.5
17	MP3A	Z	3.872	3.5
18	MP3A	Mx	-.0011	3.5
19	MP1A	X	1.941	2.5
20	MP1A	Z	3.361	2.5
21	MP1A	Mx	.000971	2.5
22	MP2A	X	1.907	2.5
23	MP2A	Z	3.302	2.5
24	MP2A	Mx	.000954	2.5
25	MP4A	X	2.272	.75
26	MP4A	Z	3.935	.75
27	MP4A	Mx	-.0011	.75
28	MP4A	X	2.272	3.75
29	MP4A	Z	3.935	3.75
30	MP4A	Mx	-.0011	3.75
31	MP2A	X	1.082	.25
32	MP2A	Z	1.873	.25
33	MP2A	Mx	-.000451	.25
34	MP2A	X	1.082	.25
35	MP2A	Z	1.873	.25
36	MP2A	Mx	.000451	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.25
2	MP2A	Z	7.408	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	.0043	.25
4	MP2A	X	0	4.75
5	MP2A	Z	7.408	4.75
6	MP2A	Mx	.0043	4.75
7	MP2A	X	0	.25
8	MP2A	Z	7.408	.25
9	MP2A	Mx	-.0043	.25
10	MP2A	X	0	4.75
11	MP2A	Z	7.408	4.75
12	MP2A	Mx	-.0043	4.75
13	MP3A	X	0	1.5
14	MP3A	Z	5.348	1.5
15	MP3A	Mx	0	1.5
16	MP3A	X	0	3.5
17	MP3A	Z	5.348	3.5
18	MP3A	Mx	0	3.5
19	MP1A	X	0	2.5
20	MP1A	Z	4.229	2.5
21	MP1A	Mx	0	2.5
22	MP2A	X	0	2.5
23	MP2A	Z	4.229	2.5
24	MP2A	Mx	0	2.5
25	MP4A	X	0	.75
26	MP4A	Z	4.843	.75
27	MP4A	Mx	0	.75
28	MP4A	X	0	3.75
29	MP4A	Z	4.843	3.75
30	MP4A	Mx	0	3.75
31	MP2A	X	0	.25
32	MP2A	Z	2.619	.25
33	MP2A	Mx	0	.25
34	MP2A	X	0	.25
35	MP2A	Z	2.619	.25
36	MP2A	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.175	.25
2	MP2A	Z	5.5	.25
3	MP2A	Mx	.0048	.25
4	MP2A	X	-3.175	4.75
5	MP2A	Z	5.5	4.75
6	MP2A	Mx	.0048	4.75
7	MP2A	X	-3.175	.25
8	MP2A	Z	5.5	.25
9	MP2A	Mx	-.0016	.25
10	MP2A	X	-3.175	4.75
11	MP2A	Z	5.5	4.75
12	MP2A	Mx	-.0016	4.75
13	MP3A	X	-2.236	1.5
14	MP3A	Z	3.872	1.5
15	MP3A	Mx	.0011	1.5
16	MP3A	X	-2.236	3.5
17	MP3A	Z	3.872	3.5
18	MP3A	Mx	.0011	3.5
19	MP1A	X	-1.941	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP1A	Z	3.361	2.5
21	MP1A	Mx	-.000971	2.5
22	MP2A	X	-1.907	2.5
23	MP2A	Z	3.302	2.5
24	MP2A	Mx	-.000954	2.5
25	MP4A	X	-2.272	.75
26	MP4A	Z	3.935	.75
27	MP4A	Mx	.0011	.75
28	MP4A	X	-2.272	3.75
29	MP4A	Z	3.935	3.75
30	MP4A	Mx	.0011	3.75
31	MP2A	X	-1.082	.25
32	MP2A	Z	1.873	.25
33	MP2A	Mx	.000451	.25
34	MP2A	X	-1.082	.25
35	MP2A	Z	1.873	.25
36	MP2A	Mx	-.000451	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.669	.25
2	MP2A	Z	2.118	.25
3	MP2A	Mx	.0031	.25
4	MP2A	X	-3.669	4.75
5	MP2A	Z	2.118	4.75
6	MP2A	Mx	.0031	4.75
7	MP2A	X	-3.669	.25
8	MP2A	Z	2.118	.25
9	MP2A	Mx	.000599	.25
10	MP2A	X	-3.669	4.75
11	MP2A	Z	2.118	4.75
12	MP2A	Mx	.000599	4.75
13	MP3A	X	-2.354	1.5
14	MP3A	Z	1.359	1.5
15	MP3A	Mx	.0012	1.5
16	MP3A	X	-2.354	3.5
17	MP3A	Z	1.359	3.5
18	MP3A	Mx	.0012	3.5
19	MP1A	X	-2.759	2.5
20	MP1A	Z	1.593	2.5
21	MP1A	Mx	-.0014	2.5
22	MP2A	X	-2.582	2.5
23	MP2A	Z	1.49	2.5
24	MP2A	Mx	-.0013	2.5
25	MP4A	X	-3.415	.75
26	MP4A	Z	1.972	.75
27	MP4A	Mx	.0017	.75
28	MP4A	X	-3.415	3.75
29	MP4A	Z	1.972	3.75
30	MP4A	Mx	.0017	3.75
31	MP2A	X	-1.083	.25
32	MP2A	Z	.625	.25
33	MP2A	Mx	.000451	.25
34	MP2A	X	-1.083	.25
35	MP2A	Z	.625	.25
36	MP2A	Mx	-.000451	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.179	.25
2	MP2A	Z	0	.25
3	MP2A	Mx	.0016	.25
4	MP2A	X	-3.179	4.75
5	MP2A	Z	0	4.75
6	MP2A	Mx	.0016	4.75
7	MP2A	X	-3.179	.25
8	MP2A	Z	0	.25
9	MP2A	Mx	.0016	.25
10	MP2A	X	-3.179	4.75
11	MP2A	Z	0	4.75
12	MP2A	Mx	.0016	4.75
13	MP3A	X	-1.842	1.5
14	MP3A	Z	0	1.5
15	MP3A	Mx	.000921	1.5
16	MP3A	X	-1.842	3.5
17	MP3A	Z	0	3.5
18	MP3A	Mx	.000921	3.5
19	MP1A	X	-2.838	2.5
20	MP1A	Z	0	2.5
21	MP1A	Mx	-.0014	2.5
22	MP2A	X	-2.565	2.5
23	MP2A	Z	0	2.5
24	MP2A	Mx	-.0013	2.5
25	MP4A	X	-3.644	.75
26	MP4A	Z	0	.75
27	MP4A	Mx	.0018	.75
28	MP4A	X	-3.644	3.75
29	MP4A	Z	0	3.75
30	MP4A	Mx	.0018	3.75
31	MP2A	X	-.794	.25
32	MP2A	Z	0	.25
33	MP2A	Mx	.000331	.25
34	MP2A	X	-.794	.25
35	MP2A	Z	0	.25
36	MP2A	Mx	-.000331	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.669	.25
2	MP2A	Z	-2.118	.25
3	MP2A	Mx	.000599	.25
4	MP2A	X	-3.669	4.75
5	MP2A	Z	-2.118	4.75
6	MP2A	Mx	.000599	4.75
7	MP2A	X	-3.669	.25
8	MP2A	Z	-2.118	.25
9	MP2A	Mx	.0031	.25
10	MP2A	X	-3.669	4.75
11	MP2A	Z	-2.118	4.75
12	MP2A	Mx	.0031	4.75
13	MP3A	X	-2.354	1.5
14	MP3A	Z	-1.359	1.5
15	MP3A	Mx	.0012	1.5
16	MP3A	X	-2.354	3.5
17	MP3A	Z	-1.359	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3A	Mx	.0012	3.5
19	MP1A	X	-2.759	2.5
20	MP1A	Z	-1.593	2.5
21	MP1A	Mx	-.0014	2.5
22	MP2A	X	-2.582	2.5
23	MP2A	Z	-1.49	2.5
24	MP2A	Mx	-.0013	2.5
25	MP4A	X	-3.415	.75
26	MP4A	Z	-1.972	.75
27	MP4A	Mx	.0017	.75
28	MP4A	X	-3.415	3.75
29	MP4A	Z	-1.972	3.75
30	MP4A	Mx	.0017	3.75
31	MP2A	X	-1.083	.25
32	MP2A	Z	-.625	.25
33	MP2A	Mx	.000451	.25
34	MP2A	X	-1.083	.25
35	MP2A	Z	-.625	.25
36	MP2A	Mx	-.000451	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.175	.25
2	MP2A	Z	-5.5	.25
3	MP2A	Mx	-.0016	.25
4	MP2A	X	-3.175	4.75
5	MP2A	Z	-5.5	4.75
6	MP2A	Mx	-.0016	4.75
7	MP2A	X	-3.175	.25
8	MP2A	Z	-5.5	.25
9	MP2A	Mx	.0048	.25
10	MP2A	X	-3.175	4.75
11	MP2A	Z	-5.5	4.75
12	MP2A	Mx	.0048	4.75
13	MP3A	X	-2.236	1.5
14	MP3A	Z	-3.872	1.5
15	MP3A	Mx	.0011	1.5
16	MP3A	X	-2.236	3.5
17	MP3A	Z	-3.872	3.5
18	MP3A	Mx	.0011	3.5
19	MP1A	X	-1.941	2.5
20	MP1A	Z	-3.361	2.5
21	MP1A	Mx	-.000971	2.5
22	MP2A	X	-1.907	2.5
23	MP2A	Z	-3.302	2.5
24	MP2A	Mx	-.000954	2.5
25	MP4A	X	-2.272	.75
26	MP4A	Z	-3.935	.75
27	MP4A	Mx	.0011	.75
28	MP4A	X	-2.272	3.75
29	MP4A	Z	-3.935	3.75
30	MP4A	Mx	.0011	3.75
31	MP2A	X	-1.082	.25
32	MP2A	Z	-1.873	.25
33	MP2A	Mx	.000451	.25
34	MP2A	X	-1.082	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2A	Z	-1.873	.25
36	MP2A	Mx	-.000451	.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M10	Y	-500	%63

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M10	Y	-500	%24

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M10	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M10	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-.8297	.25
2	MP2A	My	-.000415	.25
3	MP2A	Mz	.000484	.25
4	MP2A	Y	-.8297	4.75
5	MP2A	My	-.000415	4.75
6	MP2A	Mz	.000484	4.75
7	MP2A	Y	-.8297	.25
8	MP2A	My	-.000415	.25
9	MP2A	Mz	-.000484	.25
10	MP2A	Y	-.8297	4.75
11	MP2A	My	-.000415	4.75
12	MP2A	Mz	-.000484	4.75
13	MP3A	Y	-1.6537	1.5
14	MP3A	My	-.000827	1.5
15	MP3A	Mz	0	1.5
16	MP3A	Y	-1.6537	3.5
17	MP3A	My	-.000827	3.5
18	MP3A	Mz	0	3.5
19	MP1A	Y	-2.8366	2.5
20	MP1A	My	.0014	2.5
21	MP1A	Mz	0	2.5
22	MP2A	Y	-2.6695	2.5
23	MP2A	My	.0013	2.5
24	MP2A	Mz	0	2.5
25	MP4A	Y	-.2278	.75
26	MP4A	My	-.000114	.75
27	MP4A	Mz	0	.75
28	MP4A	Y	-.2278	3.75
29	MP4A	My	-.000114	3.75
30	MP4A	Mz	0	3.75
31	MP2A	Y	-.6683	.25
32	MP2A	My	-.000278	.25
33	MP2A	Mz	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2A	Y	-.6683	.25
35	MP2A	My	.000278	.25
36	MP2A	Mz	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-2.0743	.25
2	MP2A	Mx	-.0012	.25
3	MP2A	Z	-2.0743	4.75
4	MP2A	Mx	-.0012	4.75
5	MP2A	Z	-2.0743	.25
6	MP2A	Mx	.0012	.25
7	MP2A	Z	-2.0743	4.75
8	MP2A	Mx	.0012	4.75
9	MP3A	Z	-4.1343	1.5
10	MP3A	Mx	0	1.5
11	MP3A	Z	-4.1343	3.5
12	MP3A	Mx	0	3.5
13	MP1A	Z	-7.0915	2.5
14	MP1A	Mx	0	2.5
15	MP2A	Z	-6.6738	2.5
16	MP2A	Mx	0	2.5
17	MP4A	Z	-.5696	.75
18	MP4A	Mx	0	.75
19	MP4A	Z	-.5696	3.75
20	MP4A	Mx	0	3.75
21	MP2A	Z	-1.6708	.25
22	MP2A	Mx	0	.25
23	MP2A	Z	-1.6708	.25
24	MP2A	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.0743	.25
2	MP2A	Mx	-.001	.25
3	MP2A	X	2.0743	4.75
4	MP2A	Mx	-.001	4.75
5	MP2A	X	2.0743	.25
6	MP2A	Mx	-.001	.25
7	MP2A	X	2.0743	4.75
8	MP2A	Mx	-.001	4.75
9	MP3A	X	4.1343	1.5
10	MP3A	Mx	-.0021	1.5
11	MP3A	X	4.1343	3.5
12	MP3A	Mx	-.0021	3.5
13	MP1A	X	7.0915	2.5
14	MP1A	Mx	.0035	2.5
15	MP2A	X	6.6738	2.5
16	MP2A	Mx	.0033	2.5
17	MP4A	X	.5696	.75
18	MP4A	Mx	-.000285	.75
19	MP4A	X	.5696	3.75
20	MP4A	Mx	-.000285	3.75
21	MP2A	X	1.6708	.25
22	MP2A	Mx	-.000696	.25
23	MP2A	X	1.6708	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.000696	.25

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	Y	-11.4726	-11.4726	0	%100
2	M6	Y	-11.4726	-11.4726	0	%100
3	M7	Y	-10.0748	-10.0748	0	%100
4	M8	Y	-11.4726	-11.4726	0	%100
5	M9	Y	-11.4726	-11.4726	0	%100
6	M10	Y	-10.0748	-10.0748	0	%100
7	M11	Y	-8.9912	-8.9912	0	%100
8	M12	Y	-8.9912	-8.9912	0	%100
9	M13	Y	-8.9912	-8.9912	0	%100
10	M14	Y	-8.9912	-8.9912	0	%100
11	M15	Y	-10.3962	-10.3962	0	%100
12	M16	Y	-7.4417	-7.4417	0	%100
13	M17	Y	-10.3962	-10.3962	0	%100
14	M18	Y	-7.4417	-7.4417	0	%100
15	M19	Y	-10.3962	-10.3962	0	%100
16	M20	Y	-10.3962	-10.3962	0	%100
17	M21	Y	-10.3962	-10.3962	0	%100
18	M22	Y	-7.4417	-7.4417	0	%100
19	M23	Y	-7.4417	-7.4417	0	%100
20	M24	Y	-8.9912	-8.9912	0	%100
21	M25	Y	-11.4726	-11.4726	0	%100
22	M26	Y	-10.3962	-10.3962	0	%100
23	M27	Y	-7.4417	-7.4417	0	%100
24	M28	Y	-10.3962	-10.3962	0	%100
25	M29	Y	-7.4417	-7.4417	0	%100
26	M30	Y	-10.3962	-10.3962	0	%100
27	M31	Y	-10.3962	-10.3962	0	%100
28	M32	Y	-10.3962	-10.3962	0	%100
29	M33	Y	-7.4417	-7.4417	0	%100
30	M34	Y	-7.4417	-7.4417	0	%100
31	M35	Y	-8.9912	-8.9912	0	%100
32	M36	Y	-11.4726	-11.4726	0	%100
33	M35A	Y	-11.4726	-11.4726	0	%100
34	M36A	Y	-11.4726	-11.4726	0	%100
35	M37	Y	-10.3962	-10.3962	0	%100
36	M38	Y	-10.3962	-10.3962	0	%100
37	MP1A	Y	-8.9912	-8.9912	0	%100
38	MP2A	Y	-8.9912	-8.9912	0	%100
39	MP3A	Y	-8.9912	-8.9912	0	%100
40	MP4A	Y	-8.9912	-8.9912	0	%100
41	M51	Y	-8.9912	-8.9912	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	0	0	0	%100
2	M5	Z	-.803	-.803	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	-.803	-.803	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-12.5515	-12.5515	0	%100
7	M8	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
8	M8	Z	-.803	-.803	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.803	-.803	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-12.5515	-12.5515	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-5.0856	-5.0856	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-5.0856	-5.0856	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-5.0856	-5.0856	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-5.0856	-5.0856	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-1.7281	-1.7281	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-5.9324	-5.9324	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.7281	-1.7281	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-5.9324	-5.9324	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-1.7281	-1.7281	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-1.7281	-1.7281	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-1.7281	-1.7281	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	-7.045	-7.045	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	-7.045	-7.045	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-7.9938	-7.9938	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-2.1374	-2.1374	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-1.7281	-1.7281	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-5.9324	-5.9324	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-1.7281	-1.7281	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-5.7183	-5.7183	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	-1.7281	-1.7281	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	-1.7281	-1.7281	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	-1.7281	-1.7281	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	-7.045	-7.045	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	-7.045	-7.045	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	-7.9938	-7.9938	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	-2.1374	-2.1374	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
65	M35A	X	0	0	0	%100
66	M35A	Z	-2.1374	-2.1374	0	%100
67	M36A	X	0	0	0	%100
68	M36A	Z	-2.1374	-2.1374	0	%100
69	M37	X	0	0	0	%100
70	M37	Z	-1.7281	-1.7281	0	%100
71	M38	X	0	0	0	%100
72	M38	Z	-1.7281	-1.7281	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-10.3687	-10.3687	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	-10.3687	-10.3687	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-10.3687	-10.3687	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-10.3687	-10.3687	0	%100
81	M51	X	0	0	0	%100
82	M51	Z	-1.1019	-1.1019	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.051	.051	0	%100
2	M5	Z	-.0883	-.0883	0	%100
3	M6	X	.7598	.7598	0	%100
4	M6	Z	-1.316	-1.316	0	%100
5	M7	X	4.7068	4.7068	0	%100
6	M7	Z	-8.1525	-8.1525	0	%100
7	M8	X	.051	.051	0	%100
8	M8	Z	-.0883	-.0883	0	%100
9	M9	X	.7598	.7598	0	%100
10	M9	Z	-1.316	-1.316	0	%100
11	M10	X	4.7068	4.7068	0	%100
12	M10	Z	-8.1525	-8.1525	0	%100
13	M11	X	.323	.323	0	%100
14	M11	Z	-.5595	-.5595	0	%100
15	M12	X	4.812	4.812	0	%100
16	M12	Z	-8.3346	-8.3346	0	%100
17	M13	X	.323	.323	0	%100
18	M13	Z	-.5595	-.5595	0	%100
19	M14	X	4.812	4.812	0	%100
20	M14	Z	-8.3346	-8.3346	0	%100
21	M15	X	2.2852	2.2852	0	%100
22	M15	Z	-3.9581	-3.9581	0	%100
23	M16	X	3.5309	3.5309	0	%100
24	M16	Z	-6.1157	-6.1157	0	%100
25	M17	X	2.2852	2.2852	0	%100
26	M17	Z	-3.9581	-3.9581	0	%100
27	M18	X	3.5309	3.5309	0	%100
28	M18	Z	-6.1157	-6.1157	0	%100
29	M19	X	2.2852	2.2852	0	%100
30	M19	Z	-3.9581	-3.9581	0	%100
31	M20	X	2.2852	2.2852	0	%100
32	M20	Z	-3.9581	-3.9581	0	%100
33	M21	X	2.2852	2.2852	0	%100
34	M21	Z	-3.9581	-3.9581	0	%100
35	M22	X	3.5225	3.5225	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
36	M22	Z	-6.1012	-6.1012	0	%100
37	M23	X	3.5225	3.5225	0	%100
38	M23	Z	-6.1012	-6.1012	0	%100
39	M24	X	3.9969	3.9969	0	%100
40	M24	Z	-6.9228	-6.9228	0	%100
41	M25	X	2.7115	2.7115	0	%100
42	M25	Z	-4.6965	-4.6965	0	%100
43	M26	X	2.2852	2.2852	0	%100
44	M26	Z	-3.9581	-3.9581	0	%100
45	M27	X	2.4138	2.4138	0	%100
46	M27	Z	-4.1808	-4.1808	0	%100
47	M28	X	2.2852	2.2852	0	%100
48	M28	Z	-3.9581	-3.9581	0	%100
49	M29	X	2.2168	2.2168	0	%100
50	M29	Z	-3.8396	-3.8396	0	%100
51	M30	X	2.2852	2.2852	0	%100
52	M30	Z	-3.9581	-3.9581	0	%100
53	M31	X	2.2852	2.2852	0	%100
54	M31	Z	-3.9581	-3.9581	0	%100
55	M32	X	2.2852	2.2852	0	%100
56	M32	Z	-3.9581	-3.9581	0	%100
57	M33	X	3.5225	3.5225	0	%100
58	M33	Z	-6.1012	-6.1012	0	%100
59	M34	X	3.5225	3.5225	0	%100
60	M34	Z	-6.1012	-6.1012	0	%100
61	M35	X	3.9969	3.9969	0	%100
62	M35	Z	-6.9228	-6.9228	0	%100
63	M36	X	2.7115	2.7115	0	%100
64	M36	Z	-4.6965	-4.6965	0	%100
65	M35A	X	2.7115	2.7115	0	%100
66	M35A	Z	-4.6965	-4.6965	0	%100
67	M36A	X	2.7115	2.7115	0	%100
68	M36A	Z	-4.6965	-4.6965	0	%100
69	M37	X	2.2852	2.2852	0	%100
70	M37	Z	-3.9581	-3.9581	0	%100
71	M38	X	2.2852	2.2852	0	%100
72	M38	Z	-3.9581	-3.9581	0	%100
73	MP1A	X	5.1843	5.1843	0	%100
74	MP1A	Z	-8.9795	-8.9795	0	%100
75	MP2A	X	5.1843	5.1843	0	%100
76	MP2A	Z	-8.9795	-8.9795	0	%100
77	MP3A	X	5.1843	5.1843	0	%100
78	MP3A	Z	-8.9795	-8.9795	0	%100
79	MP4A	X	5.1843	5.1843	0	%100
80	MP4A	Z	-8.9795	-8.9795	0	%100
81	M51	X	.1879	.1879	0	%100
82	M51	Z	-.3254	-.3254	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.1018	.1018	0	%100
2	M5	Z	-.0588	-.0588	0	%100
3	M6	X	1.3295	1.3295	0	%100
4	M6	Z	-.7676	-.7676	0	%100
5	M7	X	2.7175	2.7175	0	%100
6	M7	Z	-1.5689	-1.5689	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
7	M8	X	.1018	.1018	0	%100
8	M8	Z	-.0588	-.0588	0	%100
9	M9	X	1.3295	1.3295	0	%100
10	M9	Z	-.7676	-.7676	0	%100
11	M10	X	2.7175	2.7175	0	%100
12	M10	Z	-1.5689	-1.5689	0	%100
13	M11	X	.645	.645	0	%100
14	M11	Z	-.3724	-.3724	0	%100
15	M12	X	8.4201	8.4201	0	%100
16	M12	Z	-4.8613	-4.8613	0	%100
17	M13	X	.645	.645	0	%100
18	M13	Z	-.3724	-.3724	0	%100
19	M14	X	8.4201	8.4201	0	%100
20	M14	Z	-4.8613	-4.8613	0	%100
21	M15	X	8.8811	8.8811	0	%100
22	M15	Z	-5.1275	-5.1275	0	%100
23	M16	X	6.137	6.137	0	%100
24	M16	Z	-3.5432	-3.5432	0	%100
25	M17	X	8.8811	8.8811	0	%100
26	M17	Z	-5.1275	-5.1275	0	%100
27	M18	X	6.137	6.137	0	%100
28	M18	Z	-3.5432	-3.5432	0	%100
29	M19	X	8.8811	8.8811	0	%100
30	M19	Z	-5.1275	-5.1275	0	%100
31	M20	X	8.8811	8.8811	0	%100
32	M20	Z	-5.1275	-5.1275	0	%100
33	M21	X	8.8811	8.8811	0	%100
34	M21	Z	-5.1275	-5.1275	0	%100
35	M22	X	6.1012	6.1012	0	%100
36	M22	Z	-3.5225	-3.5225	0	%100
37	M23	X	6.1012	6.1012	0	%100
38	M23	Z	-3.5225	-3.5225	0	%100
39	M24	X	6.9228	6.9228	0	%100
40	M24	Z	-3.9969	-3.9969	0	%100
41	M25	X	10.3875	10.3875	0	%100
42	M25	Z	-5.9972	-5.9972	0	%100
43	M26	X	8.8811	8.8811	0	%100
44	M26	Z	-5.1275	-5.1275	0	%100
45	M27	X	4.2021	4.2021	0	%100
46	M27	Z	-2.4261	-2.4261	0	%100
47	M28	X	8.8811	8.8811	0	%100
48	M28	Z	-5.1275	-5.1275	0	%100
49	M29	X	3.8643	3.8643	0	%100
50	M29	Z	-2.2311	-2.2311	0	%100
51	M30	X	8.8811	8.8811	0	%100
52	M30	Z	-5.1275	-5.1275	0	%100
53	M31	X	8.8811	8.8811	0	%100
54	M31	Z	-5.1275	-5.1275	0	%100
55	M32	X	8.8811	8.8811	0	%100
56	M32	Z	-5.1275	-5.1275	0	%100
57	M33	X	6.1012	6.1012	0	%100
58	M33	Z	-3.5225	-3.5225	0	%100
59	M34	X	6.1012	6.1012	0	%100
60	M34	Z	-3.5225	-3.5225	0	%100
61	M35	X	6.9228	6.9228	0	%100
62	M35	Z	-3.9969	-3.9969	0	%100
63	M36	X	10.3875	10.3875	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
64	M36	Z	-5.9972	-5.9972	0	%100
65	M35A	X	10.3875	10.3875	0	%100
66	M35A	Z	-5.9972	-5.9972	0	%100
67	M36A	X	10.3875	10.3875	0	%100
68	M36A	Z	-5.9972	-5.9972	0	%100
69	M37	X	8.8811	8.8811	0	%100
70	M37	Z	-5.1275	-5.1275	0	%100
71	M38	X	8.8811	8.8811	0	%100
72	M38	Z	-5.1275	-5.1275	0	%100
73	MP1A	X	8.9795	8.9795	0	%100
74	MP1A	Z	-5.1843	-5.1843	0	%100
75	MP2A	X	8.9795	8.9795	0	%100
76	MP2A	Z	-5.1843	-5.1843	0	%100
77	MP3A	X	8.9795	8.9795	0	%100
78	MP3A	Z	-5.1843	-5.1843	0	%100
79	MP4A	X	8.9795	8.9795	0	%100
80	MP4A	Z	-5.1843	-5.1843	0	%100
81	M51	X	3.8609	3.8609	0	%100
82	M51	Z	-2.2291	-2.2291	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.8342	.8342	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	.8342	.8342	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	.8342	.8342	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	.8342	.8342	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	5.2831	5.2831	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	5.2831	5.2831	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	5.2831	5.2831	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	5.2831	5.2831	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	13.0973	13.0973	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	5.9815	5.9815	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	13.0973	13.0973	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	5.9815	5.9815	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	13.0973	13.0973	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	13.0973	13.0973	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	13.0973	13.0973	0	%100
34	M21	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
35	M22	X	7.045	7.045	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	7.045	7.045	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	7.9938	7.9938	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	15.2801	15.2801	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	13.0973	13.0973	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	5.9815	5.9815	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	13.0973	13.0973	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	5.7755	5.7755	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	13.0973	13.0973	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	13.0973	13.0973	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	13.0973	13.0973	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	7.045	7.045	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	7.045	7.045	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	7.9938	7.9938	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	15.2801	15.2801	0	%100
64	M36	Z	0	0	0	%100
65	M35A	X	15.2801	15.2801	0	%100
66	M35A	Z	0	0	0	%100
67	M36A	X	15.2801	15.2801	0	%100
68	M36A	Z	0	0	0	%100
69	M37	X	13.0973	13.0973	0	%100
70	M37	Z	0	0	0	%100
71	M38	X	13.0973	13.0973	0	%100
72	M38	Z	0	0	0	%100
73	MP1A	X	10.3687	10.3687	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	10.3687	10.3687	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	10.3687	10.3687	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	10.3687	10.3687	0	%100
80	MP4A	Z	0	0	0	%100
81	M51	X	9.2668	9.2668	0	%100
82	M51	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	1.3295	1.3295	0	%100
2	M5	Z	.7676	.7676	0	%100
3	M6	X	.1018	.1018	0	%100
4	M6	Z	.0588	.0588	0	%100
5	M7	X	2.7175	2.7175	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
6	M7	Z	1.5689	1.5689	0	%100
7	M8	X	1.3295	1.3295	0	%100
8	M8	Z	.7676	.7676	0	%100
9	M9	X	.1018	.1018	0	%100
10	M9	Z	.0588	.0588	0	%100
11	M10	X	2.7175	2.7175	0	%100
12	M10	Z	1.5689	1.5689	0	%100
13	M11	X	8.4201	8.4201	0	%100
14	M11	Z	4.8613	4.8613	0	%100
15	M12	X	.645	.645	0	%100
16	M12	Z	.3724	.3724	0	%100
17	M13	X	8.4201	8.4201	0	%100
18	M13	Z	4.8613	4.8613	0	%100
19	M14	X	.645	.645	0	%100
20	M14	Z	.3724	.3724	0	%100
21	M15	X	8.8811	8.8811	0	%100
22	M15	Z	5.1275	5.1275	0	%100
23	M16	X	4.2021	4.2021	0	%100
24	M16	Z	2.4261	2.4261	0	%100
25	M17	X	8.8811	8.8811	0	%100
26	M17	Z	5.1275	5.1275	0	%100
27	M18	X	4.2021	4.2021	0	%100
28	M18	Z	2.4261	2.4261	0	%100
29	M19	X	8.8811	8.8811	0	%100
30	M19	Z	5.1275	5.1275	0	%100
31	M20	X	8.8811	8.8811	0	%100
32	M20	Z	5.1275	5.1275	0	%100
33	M21	X	8.8811	8.8811	0	%100
34	M21	Z	5.1275	5.1275	0	%100
35	M22	X	6.1012	6.1012	0	%100
36	M22	Z	3.5225	3.5225	0	%100
37	M23	X	6.1012	6.1012	0	%100
38	M23	Z	3.5225	3.5225	0	%100
39	M24	X	6.9228	6.9228	0	%100
40	M24	Z	3.9969	3.9969	0	%100
41	M25	X	10.3875	10.3875	0	%100
42	M25	Z	5.9972	5.9972	0	%100
43	M26	X	8.8811	8.8811	0	%100
44	M26	Z	5.1275	5.1275	0	%100
45	M27	X	6.137	6.137	0	%100
46	M27	Z	3.5432	3.5432	0	%100
47	M28	X	8.8811	8.8811	0	%100
48	M28	Z	5.1275	5.1275	0	%100
49	M29	X	6.1143	6.1143	0	%100
50	M29	Z	3.5301	3.5301	0	%100
51	M30	X	8.8811	8.8811	0	%100
52	M30	Z	5.1275	5.1275	0	%100
53	M31	X	8.8811	8.8811	0	%100
54	M31	Z	5.1275	5.1275	0	%100
55	M32	X	8.8811	8.8811	0	%100
56	M32	Z	5.1275	5.1275	0	%100
57	M33	X	6.1012	6.1012	0	%100
58	M33	Z	3.5225	3.5225	0	%100
59	M34	X	6.1012	6.1012	0	%100
60	M34	Z	3.5225	3.5225	0	%100
61	M35	X	6.9228	6.9228	0	%100
62	M35	Z	3.9969	3.9969	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
63	M36	X	10.3875	10.3875	0	%100
64	M36	Z	5.9972	5.9972	0	%100
65	M35A	X	10.3875	10.3875	0	%100
66	M35A	Z	5.9972	5.9972	0	%100
67	M36A	X	10.3875	10.3875	0	%100
68	M36A	Z	5.9972	5.9972	0	%100
69	M37	X	8.8811	8.8811	0	%100
70	M37	Z	5.1275	5.1275	0	%100
71	M38	X	8.8811	8.8811	0	%100
72	M38	Z	5.1275	5.1275	0	%100
73	MP1A	X	8.9795	8.9795	0	%100
74	MP1A	Z	5.1843	5.1843	0	%100
75	MP2A	X	8.9795	8.9795	0	%100
76	MP2A	Z	5.1843	5.1843	0	%100
77	MP3A	X	8.9795	8.9795	0	%100
78	MP3A	Z	5.1843	5.1843	0	%100
79	MP4A	X	8.9795	8.9795	0	%100
80	MP4A	Z	5.1843	5.1843	0	%100
81	M51	X	8.6541	8.6541	0	%100
82	M51	Z	4.9964	4.9964	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.7598	.7598	0	%100
2	M5	Z	1.316	1.316	0	%100
3	M6	X	.051	.051	0	%100
4	M6	Z	.0883	.0883	0	%100
5	M7	X	4.7068	4.7068	0	%100
6	M7	Z	8.1525	8.1525	0	%100
7	M8	X	.7598	.7598	0	%100
8	M8	Z	1.316	1.316	0	%100
9	M9	X	.051	.051	0	%100
10	M9	Z	.0883	.0883	0	%100
11	M10	X	4.7068	4.7068	0	%100
12	M10	Z	8.1525	8.1525	0	%100
13	M11	X	4.812	4.812	0	%100
14	M11	Z	8.3346	8.3346	0	%100
15	M12	X	.323	.323	0	%100
16	M12	Z	.5595	.5595	0	%100
17	M13	X	4.812	4.812	0	%100
18	M13	Z	8.3346	8.3346	0	%100
19	M14	X	.323	.323	0	%100
20	M14	Z	.5595	.5595	0	%100
21	M15	X	2.2852	2.2852	0	%100
22	M15	Z	3.9581	3.9581	0	%100
23	M16	X	2.4138	2.4138	0	%100
24	M16	Z	4.1808	4.1808	0	%100
25	M17	X	2.2852	2.2852	0	%100
26	M17	Z	3.9581	3.9581	0	%100
27	M18	X	2.4138	2.4138	0	%100
28	M18	Z	4.1808	4.1808	0	%100
29	M19	X	2.2852	2.2852	0	%100
30	M19	Z	3.9581	3.9581	0	%100
31	M20	X	2.2852	2.2852	0	%100
32	M20	Z	3.9581	3.9581	0	%100
33	M21	X	2.2852	2.2852	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
34	M21	Z	3.9581	3.9581	0	%100
35	M22	X	3.5225	3.5225	0	%100
36	M22	Z	6.1012	6.1012	0	%100
37	M23	X	3.5225	3.5225	0	%100
38	M23	Z	6.1012	6.1012	0	%100
39	M24	X	3.9969	3.9969	0	%100
40	M24	Z	6.9228	6.9228	0	%100
41	M25	X	2.7115	2.7115	0	%100
42	M25	Z	4.6965	4.6965	0	%100
43	M26	X	2.2852	2.2852	0	%100
44	M26	Z	3.9581	3.9581	0	%100
45	M27	X	3.5309	3.5309	0	%100
46	M27	Z	6.1157	6.1157	0	%100
47	M28	X	2.2852	2.2852	0	%100
48	M28	Z	3.9581	3.9581	0	%100
49	M29	X	3.5158	3.5158	0	%100
50	M29	Z	6.0896	6.0896	0	%100
51	M30	X	2.2852	2.2852	0	%100
52	M30	Z	3.9581	3.9581	0	%100
53	M31	X	2.2852	2.2852	0	%100
54	M31	Z	3.9581	3.9581	0	%100
55	M32	X	2.2852	2.2852	0	%100
56	M32	Z	3.9581	3.9581	0	%100
57	M33	X	3.5225	3.5225	0	%100
58	M33	Z	6.1012	6.1012	0	%100
59	M34	X	3.5225	3.5225	0	%100
60	M34	Z	6.1012	6.1012	0	%100
61	M35	X	3.9969	3.9969	0	%100
62	M35	Z	6.9228	6.9228	0	%100
63	M36	X	2.7115	2.7115	0	%100
64	M36	Z	4.6965	4.6965	0	%100
65	M35A	X	2.7115	2.7115	0	%100
66	M35A	Z	4.6965	4.6965	0	%100
67	M36A	X	2.7115	2.7115	0	%100
68	M36A	Z	4.6965	4.6965	0	%100
69	M37	X	2.2852	2.2852	0	%100
70	M37	Z	3.9581	3.9581	0	%100
71	M38	X	2.2852	2.2852	0	%100
72	M38	Z	3.9581	3.9581	0	%100
73	MP1A	X	5.1843	5.1843	0	%100
74	MP1A	Z	8.9795	8.9795	0	%100
75	MP2A	X	5.1843	5.1843	0	%100
76	MP2A	Z	8.9795	8.9795	0	%100
77	MP3A	X	5.1843	5.1843	0	%100
78	MP3A	Z	8.9795	8.9795	0	%100
79	MP4A	X	5.1843	5.1843	0	%100
80	MP4A	Z	8.9795	8.9795	0	%100
81	M51	X	2.9552	2.9552	0	%100
82	M51	Z	5.1186	5.1186	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M5	X	0	0	0	%100
2	M5	Z	.803	.803	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	.803	.803	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
5	M7	X	0	0	0	%100
6	M7	Z	12.5515	12.5515	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	.803	.803	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.803	.803	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	12.5515	12.5515	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	5.0856	5.0856	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	5.0856	5.0856	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	5.0856	5.0856	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	5.0856	5.0856	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	1.7281	1.7281	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	5.9324	5.9324	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.7281	1.7281	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	5.9324	5.9324	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	1.7281	1.7281	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	1.7281	1.7281	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	1.7281	1.7281	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	7.045	7.045	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	7.045	7.045	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	7.9938	7.9938	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	2.1374	2.1374	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	1.7281	1.7281	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	5.9324	5.9324	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	1.7281	1.7281	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	5.7183	5.7183	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	1.7281	1.7281	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	1.7281	1.7281	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	1.7281	1.7281	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	7.045	7.045	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	7.045	7.045	0	%100
61	M35	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
62	M35	Z	7.9938	7.9938	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	2.1374	2.1374	0	%100
65	M35A	X	0	0	0	%100
66	M35A	Z	2.1374	2.1374	0	%100
67	M36A	X	0	0	0	%100
68	M36A	Z	2.1374	2.1374	0	%100
69	M37	X	0	0	0	%100
70	M37	Z	1.7281	1.7281	0	%100
71	M38	X	0	0	0	%100
72	M38	Z	1.7281	1.7281	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	10.3687	10.3687	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	10.3687	10.3687	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	10.3687	10.3687	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	10.3687	10.3687	0	%100
81	M51	X	0	0	0	%100
82	M51	Z	1.1019	1.1019	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M5	X	-.051	-.051	0	%100
2	M5	Z	.0883	.0883	0	%100
3	M6	X	-.7598	-.7598	0	%100
4	M6	Z	1.316	1.316	0	%100
5	M7	X	-4.7068	-4.7068	0	%100
6	M7	Z	8.1525	8.1525	0	%100
7	M8	X	-.051	-.051	0	%100
8	M8	Z	.0883	.0883	0	%100
9	M9	X	-.7598	-.7598	0	%100
10	M9	Z	1.316	1.316	0	%100
11	M10	X	-4.7068	-4.7068	0	%100
12	M10	Z	8.1525	8.1525	0	%100
13	M11	X	-.323	-.323	0	%100
14	M11	Z	.5595	.5595	0	%100
15	M12	X	-4.812	-4.812	0	%100
16	M12	Z	8.3346	8.3346	0	%100
17	M13	X	-.323	-.323	0	%100
18	M13	Z	.5595	.5595	0	%100
19	M14	X	-4.812	-4.812	0	%100
20	M14	Z	8.3346	8.3346	0	%100
21	M15	X	-2.2852	-2.2852	0	%100
22	M15	Z	3.9581	3.9581	0	%100
23	M16	X	-3.5309	-3.5309	0	%100
24	M16	Z	6.1157	6.1157	0	%100
25	M17	X	-2.2852	-2.2852	0	%100
26	M17	Z	3.9581	3.9581	0	%100
27	M18	X	-3.5309	-3.5309	0	%100
28	M18	Z	6.1157	6.1157	0	%100
29	M19	X	-2.2852	-2.2852	0	%100
30	M19	Z	3.9581	3.9581	0	%100
31	M20	X	-2.2852	-2.2852	0	%100
32	M20	Z	3.9581	3.9581	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
33	M21	X	-2.2852	-2.2852	0	%100
34	M21	Z	3.9581	3.9581	0	%100
35	M22	X	-3.5225	-3.5225	0	%100
36	M22	Z	6.1012	6.1012	0	%100
37	M23	X	-3.5225	-3.5225	0	%100
38	M23	Z	6.1012	6.1012	0	%100
39	M24	X	-3.9969	-3.9969	0	%100
40	M24	Z	6.9228	6.9228	0	%100
41	M25	X	-2.7115	-2.7115	0	%100
42	M25	Z	4.6965	4.6965	0	%100
43	M26	X	-2.2852	-2.2852	0	%100
44	M26	Z	3.9581	3.9581	0	%100
45	M27	X	-2.4138	-2.4138	0	%100
46	M27	Z	4.1808	4.1808	0	%100
47	M28	X	-2.2852	-2.2852	0	%100
48	M28	Z	3.9581	3.9581	0	%100
49	M29	X	-2.2168	-2.2168	0	%100
50	M29	Z	3.8396	3.8396	0	%100
51	M30	X	-2.2852	-2.2852	0	%100
52	M30	Z	3.9581	3.9581	0	%100
53	M31	X	-2.2852	-2.2852	0	%100
54	M31	Z	3.9581	3.9581	0	%100
55	M32	X	-2.2852	-2.2852	0	%100
56	M32	Z	3.9581	3.9581	0	%100
57	M33	X	-3.5225	-3.5225	0	%100
58	M33	Z	6.1012	6.1012	0	%100
59	M34	X	-3.5225	-3.5225	0	%100
60	M34	Z	6.1012	6.1012	0	%100
61	M35	X	-3.9969	-3.9969	0	%100
62	M35	Z	6.9228	6.9228	0	%100
63	M36	X	-2.7115	-2.7115	0	%100
64	M36	Z	4.6965	4.6965	0	%100
65	M35A	X	-2.7115	-2.7115	0	%100
66	M35A	Z	4.6965	4.6965	0	%100
67	M36A	X	-2.7115	-2.7115	0	%100
68	M36A	Z	4.6965	4.6965	0	%100
69	M37	X	-2.2852	-2.2852	0	%100
70	M37	Z	3.9581	3.9581	0	%100
71	M38	X	-2.2852	-2.2852	0	%100
72	M38	Z	3.9581	3.9581	0	%100
73	MP1A	X	-5.1843	-5.1843	0	%100
74	MP1A	Z	8.9795	8.9795	0	%100
75	MP2A	X	-5.1843	-5.1843	0	%100
76	MP2A	Z	8.9795	8.9795	0	%100
77	MP3A	X	-5.1843	-5.1843	0	%100
78	MP3A	Z	8.9795	8.9795	0	%100
79	MP4A	X	-5.1843	-5.1843	0	%100
80	MP4A	Z	8.9795	8.9795	0	%100
81	M51	X	-.1879	-.1879	0	%100
82	M51	Z	.3254	.3254	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	-.1018	-.1018	0	%100
2	M5	Z	.0588	.0588	0	%100
3	M6	X	-1.3295	-1.3295	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
4	M6	Z	.7676	.7676	0	%100
5	M7	X	-2.7175	-2.7175	0	%100
6	M7	Z	1.5689	1.5689	0	%100
7	M8	X	-.1018	-.1018	0	%100
8	M8	Z	.0588	.0588	0	%100
9	M9	X	-1.3295	-1.3295	0	%100
10	M9	Z	.7676	.7676	0	%100
11	M10	X	-2.7175	-2.7175	0	%100
12	M10	Z	1.5689	1.5689	0	%100
13	M11	X	-.645	-.645	0	%100
14	M11	Z	.3724	.3724	0	%100
15	M12	X	-8.4201	-8.4201	0	%100
16	M12	Z	4.8613	4.8613	0	%100
17	M13	X	-.645	-.645	0	%100
18	M13	Z	.3724	.3724	0	%100
19	M14	X	-8.4201	-8.4201	0	%100
20	M14	Z	4.8613	4.8613	0	%100
21	M15	X	-8.8811	-8.8811	0	%100
22	M15	Z	5.1275	5.1275	0	%100
23	M16	X	-6.137	-6.137	0	%100
24	M16	Z	3.5432	3.5432	0	%100
25	M17	X	-8.8811	-8.8811	0	%100
26	M17	Z	5.1275	5.1275	0	%100
27	M18	X	-6.137	-6.137	0	%100
28	M18	Z	3.5432	3.5432	0	%100
29	M19	X	-8.8811	-8.8811	0	%100
30	M19	Z	5.1275	5.1275	0	%100
31	M20	X	-8.8811	-8.8811	0	%100
32	M20	Z	5.1275	5.1275	0	%100
33	M21	X	-8.8811	-8.8811	0	%100
34	M21	Z	5.1275	5.1275	0	%100
35	M22	X	-6.1012	-6.1012	0	%100
36	M22	Z	3.5225	3.5225	0	%100
37	M23	X	-6.1012	-6.1012	0	%100
38	M23	Z	3.5225	3.5225	0	%100
39	M24	X	-6.9228	-6.9228	0	%100
40	M24	Z	3.9969	3.9969	0	%100
41	M25	X	-10.3875	-10.3875	0	%100
42	M25	Z	5.9972	5.9972	0	%100
43	M26	X	-8.8811	-8.8811	0	%100
44	M26	Z	5.1275	5.1275	0	%100
45	M27	X	-4.2021	-4.2021	0	%100
46	M27	Z	2.4261	2.4261	0	%100
47	M28	X	-8.8811	-8.8811	0	%100
48	M28	Z	5.1275	5.1275	0	%100
49	M29	X	-3.8643	-3.8643	0	%100
50	M29	Z	2.2311	2.2311	0	%100
51	M30	X	-8.8811	-8.8811	0	%100
52	M30	Z	5.1275	5.1275	0	%100
53	M31	X	-8.8811	-8.8811	0	%100
54	M31	Z	5.1275	5.1275	0	%100
55	M32	X	-8.8811	-8.8811	0	%100
56	M32	Z	5.1275	5.1275	0	%100
57	M33	X	-6.1012	-6.1012	0	%100
58	M33	Z	3.5225	3.5225	0	%100
59	M34	X	-6.1012	-6.1012	0	%100
60	M34	Z	3.5225	3.5225	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
61	M35	X	-6.9228	-6.9228	0	%100
62	M35	Z	3.9969	3.9969	0	%100
63	M36	X	-10.3875	-10.3875	0	%100
64	M36	Z	5.9972	5.9972	0	%100
65	M35A	X	-10.3875	-10.3875	0	%100
66	M35A	Z	5.9972	5.9972	0	%100
67	M36A	X	-10.3875	-10.3875	0	%100
68	M36A	Z	5.9972	5.9972	0	%100
69	M37	X	-8.8811	-8.8811	0	%100
70	M37	Z	5.1275	5.1275	0	%100
71	M38	X	-8.8811	-8.8811	0	%100
72	M38	Z	5.1275	5.1275	0	%100
73	MP1A	X	-8.9795	-8.9795	0	%100
74	MP1A	Z	5.1843	5.1843	0	%100
75	MP2A	X	-8.9795	-8.9795	0	%100
76	MP2A	Z	5.1843	5.1843	0	%100
77	MP3A	X	-8.9795	-8.9795	0	%100
78	MP3A	Z	5.1843	5.1843	0	%100
79	MP4A	X	-8.9795	-8.9795	0	%100
80	MP4A	Z	5.1843	5.1843	0	%100
81	M51	X	-3.8609	-3.8609	0	%100
82	M51	Z	2.2291	2.2291	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	-.8342	-.8342	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	-.8342	-.8342	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-.8342	-.8342	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-.8342	-.8342	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-5.2831	-5.2831	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-5.2831	-5.2831	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-5.2831	-5.2831	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-5.2831	-5.2831	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-13.0973	-13.0973	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-5.9815	-5.9815	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-13.0973	-13.0973	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-5.9815	-5.9815	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-13.0973	-13.0973	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-13.0973	-13.0973	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
32	M20	Z	0	0	0	%100
33	M21	X	-13.0973	-13.0973	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	-7.045	-7.045	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	-7.045	-7.045	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	-7.9938	-7.9938	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-15.2801	-15.2801	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-13.0973	-13.0973	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	-5.9815	-5.9815	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-13.0973	-13.0973	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-5.7755	-5.7755	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-13.0973	-13.0973	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	-13.0973	-13.0973	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	-13.0973	-13.0973	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	-7.045	-7.045	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-7.045	-7.045	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	-7.9938	-7.9938	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	-15.2801	-15.2801	0	%100
64	M36	Z	0	0	0	%100
65	M35A	X	-15.2801	-15.2801	0	%100
66	M35A	Z	0	0	0	%100
67	M36A	X	-15.2801	-15.2801	0	%100
68	M36A	Z	0	0	0	%100
69	M37	X	-13.0973	-13.0973	0	%100
70	M37	Z	0	0	0	%100
71	M38	X	-13.0973	-13.0973	0	%100
72	M38	Z	0	0	0	%100
73	MP1A	X	-10.3687	-10.3687	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	-10.3687	-10.3687	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	-10.3687	-10.3687	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	-10.3687	-10.3687	0	%100
80	MP4A	Z	0	0	0	%100
81	M51	X	-9.2668	-9.2668	0	%100
82	M51	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	-1.3295	-1.3295	0	%100
2	M5	Z	-.7676	-.7676	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
3	M6	X	-.1018	-.1018	0	%100
4	M6	Z	-.0588	-.0588	0	%100
5	M7	X	-2.7175	-2.7175	0	%100
6	M7	Z	-1.5689	-1.5689	0	%100
7	M8	X	-1.3295	-1.3295	0	%100
8	M8	Z	-.7676	-.7676	0	%100
9	M9	X	-.1018	-.1018	0	%100
10	M9	Z	-.0588	-.0588	0	%100
11	M10	X	-2.7175	-2.7175	0	%100
12	M10	Z	-1.5689	-1.5689	0	%100
13	M11	X	-8.4201	-8.4201	0	%100
14	M11	Z	-4.8613	-4.8613	0	%100
15	M12	X	-.645	-.645	0	%100
16	M12	Z	-.3724	-.3724	0	%100
17	M13	X	-8.4201	-8.4201	0	%100
18	M13	Z	-4.8613	-4.8613	0	%100
19	M14	X	-.645	-.645	0	%100
20	M14	Z	-.3724	-.3724	0	%100
21	M15	X	-8.8811	-8.8811	0	%100
22	M15	Z	-5.1275	-5.1275	0	%100
23	M16	X	-4.2021	-4.2021	0	%100
24	M16	Z	-2.4261	-2.4261	0	%100
25	M17	X	-8.8811	-8.8811	0	%100
26	M17	Z	-5.1275	-5.1275	0	%100
27	M18	X	-4.2021	-4.2021	0	%100
28	M18	Z	-2.4261	-2.4261	0	%100
29	M19	X	-8.8811	-8.8811	0	%100
30	M19	Z	-5.1275	-5.1275	0	%100
31	M20	X	-8.8811	-8.8811	0	%100
32	M20	Z	-5.1275	-5.1275	0	%100
33	M21	X	-8.8811	-8.8811	0	%100
34	M21	Z	-5.1275	-5.1275	0	%100
35	M22	X	-6.1012	-6.1012	0	%100
36	M22	Z	-3.5225	-3.5225	0	%100
37	M23	X	-6.1012	-6.1012	0	%100
38	M23	Z	-3.5225	-3.5225	0	%100
39	M24	X	-6.9228	-6.9228	0	%100
40	M24	Z	-3.9969	-3.9969	0	%100
41	M25	X	-10.3875	-10.3875	0	%100
42	M25	Z	-5.9972	-5.9972	0	%100
43	M26	X	-8.8811	-8.8811	0	%100
44	M26	Z	-5.1275	-5.1275	0	%100
45	M27	X	-6.137	-6.137	0	%100
46	M27	Z	-3.5432	-3.5432	0	%100
47	M28	X	-8.8811	-8.8811	0	%100
48	M28	Z	-5.1275	-5.1275	0	%100
49	M29	X	-6.1143	-6.1143	0	%100
50	M29	Z	-3.5301	-3.5301	0	%100
51	M30	X	-8.8811	-8.8811	0	%100
52	M30	Z	-5.1275	-5.1275	0	%100
53	M31	X	-8.8811	-8.8811	0	%100
54	M31	Z	-5.1275	-5.1275	0	%100
55	M32	X	-8.8811	-8.8811	0	%100
56	M32	Z	-5.1275	-5.1275	0	%100
57	M33	X	-6.1012	-6.1012	0	%100
58	M33	Z	-3.5225	-3.5225	0	%100
59	M34	X	-6.1012	-6.1012	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
60	M34	Z	-3.5225	-3.5225	0	%100
61	M35	X	-6.9228	-6.9228	0	%100
62	M35	Z	-3.9969	-3.9969	0	%100
63	M36	X	-10.3875	-10.3875	0	%100
64	M36	Z	-5.9972	-5.9972	0	%100
65	M35A	X	-10.3875	-10.3875	0	%100
66	M35A	Z	-5.9972	-5.9972	0	%100
67	M36A	X	-10.3875	-10.3875	0	%100
68	M36A	Z	-5.9972	-5.9972	0	%100
69	M37	X	-8.8811	-8.8811	0	%100
70	M37	Z	-5.1275	-5.1275	0	%100
71	M38	X	-8.8811	-8.8811	0	%100
72	M38	Z	-5.1275	-5.1275	0	%100
73	MP1A	X	-8.9795	-8.9795	0	%100
74	MP1A	Z	-5.1843	-5.1843	0	%100
75	MP2A	X	-8.9795	-8.9795	0	%100
76	MP2A	Z	-5.1843	-5.1843	0	%100
77	MP3A	X	-8.9795	-8.9795	0	%100
78	MP3A	Z	-5.1843	-5.1843	0	%100
79	MP4A	X	-8.9795	-8.9795	0	%100
80	MP4A	Z	-5.1843	-5.1843	0	%100
81	M51	X	-8.6541	-8.6541	0	%100
82	M51	Z	-4.9964	-4.9964	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M5	X	-.7598	-.7598	0	%100
2	M5	Z	-1.316	-1.316	0	%100
3	M6	X	-.051	-.051	0	%100
4	M6	Z	-.0883	-.0883	0	%100
5	M7	X	-4.7068	-4.7068	0	%100
6	M7	Z	-8.1525	-8.1525	0	%100
7	M8	X	-.7598	-.7598	0	%100
8	M8	Z	-1.316	-1.316	0	%100
9	M9	X	-.051	-.051	0	%100
10	M9	Z	-.0883	-.0883	0	%100
11	M10	X	-4.7068	-4.7068	0	%100
12	M10	Z	-8.1525	-8.1525	0	%100
13	M11	X	-4.812	-4.812	0	%100
14	M11	Z	-8.3346	-8.3346	0	%100
15	M12	X	-.323	-.323	0	%100
16	M12	Z	-.5595	-.5595	0	%100
17	M13	X	-4.812	-4.812	0	%100
18	M13	Z	-8.3346	-8.3346	0	%100
19	M14	X	-.323	-.323	0	%100
20	M14	Z	-.5595	-.5595	0	%100
21	M15	X	-2.2852	-2.2852	0	%100
22	M15	Z	-3.9581	-3.9581	0	%100
23	M16	X	-2.4138	-2.4138	0	%100
24	M16	Z	-4.1808	-4.1808	0	%100
25	M17	X	-2.2852	-2.2852	0	%100
26	M17	Z	-3.9581	-3.9581	0	%100
27	M18	X	-2.4138	-2.4138	0	%100
28	M18	Z	-4.1808	-4.1808	0	%100
29	M19	X	-2.2852	-2.2852	0	%100
30	M19	Z	-3.9581	-3.9581	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
31	M20	X	-2.2852	-2.2852	0	%100
32	M20	Z	-3.9581	-3.9581	0	%100
33	M21	X	-2.2852	-2.2852	0	%100
34	M21	Z	-3.9581	-3.9581	0	%100
35	M22	X	-3.5225	-3.5225	0	%100
36	M22	Z	-6.1012	-6.1012	0	%100
37	M23	X	-3.5225	-3.5225	0	%100
38	M23	Z	-6.1012	-6.1012	0	%100
39	M24	X	-3.9969	-3.9969	0	%100
40	M24	Z	-6.9228	-6.9228	0	%100
41	M25	X	-2.7115	-2.7115	0	%100
42	M25	Z	-4.6965	-4.6965	0	%100
43	M26	X	-2.2852	-2.2852	0	%100
44	M26	Z	-3.9581	-3.9581	0	%100
45	M27	X	-3.5309	-3.5309	0	%100
46	M27	Z	-6.1157	-6.1157	0	%100
47	M28	X	-2.2852	-2.2852	0	%100
48	M28	Z	-3.9581	-3.9581	0	%100
49	M29	X	-3.5158	-3.5158	0	%100
50	M29	Z	-6.0896	-6.0896	0	%100
51	M30	X	-2.2852	-2.2852	0	%100
52	M30	Z	-3.9581	-3.9581	0	%100
53	M31	X	-2.2852	-2.2852	0	%100
54	M31	Z	-3.9581	-3.9581	0	%100
55	M32	X	-2.2852	-2.2852	0	%100
56	M32	Z	-3.9581	-3.9581	0	%100
57	M33	X	-3.5225	-3.5225	0	%100
58	M33	Z	-6.1012	-6.1012	0	%100
59	M34	X	-3.5225	-3.5225	0	%100
60	M34	Z	-6.1012	-6.1012	0	%100
61	M35	X	-3.9969	-3.9969	0	%100
62	M35	Z	-6.9228	-6.9228	0	%100
63	M36	X	-2.7115	-2.7115	0	%100
64	M36	Z	-4.6965	-4.6965	0	%100
65	M35A	X	-2.7115	-2.7115	0	%100
66	M35A	Z	-4.6965	-4.6965	0	%100
67	M36A	X	-2.7115	-2.7115	0	%100
68	M36A	Z	-4.6965	-4.6965	0	%100
69	M37	X	-2.2852	-2.2852	0	%100
70	M37	Z	-3.9581	-3.9581	0	%100
71	M38	X	-2.2852	-2.2852	0	%100
72	M38	Z	-3.9581	-3.9581	0	%100
73	MP1A	X	-5.1843	-5.1843	0	%100
74	MP1A	Z	-8.9795	-8.9795	0	%100
75	MP2A	X	-5.1843	-5.1843	0	%100
76	MP2A	Z	-8.9795	-8.9795	0	%100
77	MP3A	X	-5.1843	-5.1843	0	%100
78	MP3A	Z	-8.9795	-8.9795	0	%100
79	MP4A	X	-5.1843	-5.1843	0	%100
80	MP4A	Z	-8.9795	-8.9795	0	%100
81	M51	X	-2.9552	-2.9552	0	%100
82	M51	Z	-5.1186	-5.1186	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
2	M5	Z	-.9087	-.9087	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	-.9087	-.9087	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-4.868	-4.868	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-.9087	-.9087	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.9087	-.9087	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-4.868	-4.868	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-2.0817	-2.0817	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-2.0817	-2.0817	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-2.0817	-2.0817	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-2.0817	-2.0817	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-1.8686	-1.8686	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-2.7704	-2.7704	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.8686	-1.8686	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-2.7704	-2.7704	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-1.8686	-1.8686	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-1.8686	-1.8686	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-1.8686	-1.8686	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	-3.2146	-3.2146	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	-3.2146	-3.2146	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-3.2529	-3.2529	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-1.9396	-1.9396	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-1.8686	-1.8686	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-2.7704	-2.7704	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-1.8686	-1.8686	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-2.6313	-2.6313	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	-1.8686	-1.8686	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	-1.8686	-1.8686	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	-1.8686	-1.8686	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	-3.2146	-3.2146	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
59	M34	X	0	0	0	%100
60	M34	Z	-3.2146	-3.2146	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	-3.2529	-3.2529	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	-1.9396	-1.9396	0	%100
65	M35A	X	0	0	0	%100
66	M35A	Z	-1.9396	-1.9396	0	%100
67	M36A	X	0	0	0	%100
68	M36A	Z	-1.9396	-1.9396	0	%100
69	M37	X	0	0	0	%100
70	M37	Z	-1.8686	-1.8686	0	%100
71	M38	X	0	0	0	%100
72	M38	Z	-1.8686	-1.8686	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-4.0863	-4.0863	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	-4.0863	-4.0863	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-4.0863	-4.0863	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-4.0863	-4.0863	0	%100
81	M51	X	0	0	0	%100
82	M51	Z	-.4363	-.4363	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.0577	.0577	0	%100
2	M5	Z	-.1	-.1	0	%100
3	M6	X	.8598	.8598	0	%100
4	M6	Z	-1.4893	-1.4893	0	%100
5	M7	X	1.8255	1.8255	0	%100
6	M7	Z	-3.1619	-3.1619	0	%100
7	M8	X	.0577	.0577	0	%100
8	M8	Z	-.1	-.1	0	%100
9	M9	X	.8598	.8598	0	%100
10	M9	Z	-1.4893	-1.4893	0	%100
11	M10	X	1.8255	1.8255	0	%100
12	M10	Z	-3.1619	-3.1619	0	%100
13	M11	X	.1322	.1322	0	%100
14	M11	Z	-.229	-.229	0	%100
15	M12	X	1.9697	1.9697	0	%100
16	M12	Z	-3.4116	-3.4116	0	%100
17	M13	X	.1322	.1322	0	%100
18	M13	Z	-.229	-.229	0	%100
19	M14	X	1.9697	1.9697	0	%100
20	M14	Z	-3.4116	-3.4116	0	%100
21	M15	X	1.181	1.181	0	%100
22	M15	Z	-2.0456	-2.0456	0	%100
23	M16	X	1.6489	1.6489	0	%100
24	M16	Z	-2.856	-2.856	0	%100
25	M17	X	1.181	1.181	0	%100
26	M17	Z	-2.0456	-2.0456	0	%100
27	M18	X	1.6489	1.6489	0	%100
28	M18	Z	-2.856	-2.856	0	%100
29	M19	X	1.181	1.181	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
30	M19	Z	-2.0456	-2.0456	0	%100
31	M20	X	1.181	1.181	0	%100
32	M20	Z	-2.0456	-2.0456	0	%100
33	M21	X	1.181	1.181	0	%100
34	M21	Z	-2.0456	-2.0456	0	%100
35	M22	X	1.6073	1.6073	0	%100
36	M22	Z	-2.7839	-2.7839	0	%100
37	M23	X	1.6073	1.6073	0	%100
38	M23	Z	-2.7839	-2.7839	0	%100
39	M24	X	1.6265	1.6265	0	%100
40	M24	Z	-2.8171	-2.8171	0	%100
41	M25	X	1.255	1.255	0	%100
42	M25	Z	-2.1738	-2.1738	0	%100
43	M26	X	1.181	1.181	0	%100
44	M26	Z	-2.0456	-2.0456	0	%100
45	M27	X	1.1272	1.1272	0	%100
46	M27	Z	-1.9524	-1.9524	0	%100
47	M28	X	1.181	1.181	0	%100
48	M28	Z	-2.0456	-2.0456	0	%100
49	M29	X	1.0201	1.0201	0	%100
50	M29	Z	-1.7668	-1.7668	0	%100
51	M30	X	1.181	1.181	0	%100
52	M30	Z	-2.0456	-2.0456	0	%100
53	M31	X	1.181	1.181	0	%100
54	M31	Z	-2.0456	-2.0456	0	%100
55	M32	X	1.181	1.181	0	%100
56	M32	Z	-2.0456	-2.0456	0	%100
57	M33	X	1.6073	1.6073	0	%100
58	M33	Z	-2.7839	-2.7839	0	%100
59	M34	X	1.6073	1.6073	0	%100
60	M34	Z	-2.7839	-2.7839	0	%100
61	M35	X	1.6265	1.6265	0	%100
62	M35	Z	-2.8171	-2.8171	0	%100
63	M36	X	1.255	1.255	0	%100
64	M36	Z	-2.1738	-2.1738	0	%100
65	M35A	X	1.255	1.255	0	%100
66	M35A	Z	-2.1738	-2.1738	0	%100
67	M36A	X	1.255	1.255	0	%100
68	M36A	Z	-2.1738	-2.1738	0	%100
69	M37	X	1.181	1.181	0	%100
70	M37	Z	-2.0456	-2.0456	0	%100
71	M38	X	1.181	1.181	0	%100
72	M38	Z	-2.0456	-2.0456	0	%100
73	MP1A	X	2.0432	2.0432	0	%100
74	MP1A	Z	-3.5389	-3.5389	0	%100
75	MP2A	X	2.0432	2.0432	0	%100
76	MP2A	Z	-3.5389	-3.5389	0	%100
77	MP3A	X	2.0432	2.0432	0	%100
78	MP3A	Z	-3.5389	-3.5389	0	%100
79	MP4A	X	2.0432	2.0432	0	%100
80	MP4A	Z	-3.5389	-3.5389	0	%100
81	M51	X	.0744	.0744	0	%100
82	M51	Z	-.1288	-.1288	0	%100

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

Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M5	X	.1153	.1153	0	%100
2	M5	Z	-.0665	-.0665	0	%100
3	M6	X	1.5046	1.5046	0	%100
4	M6	Z	-.8687	-.8687	0	%100
5	M7	X	1.054	1.054	0	%100
6	M7	Z	-.6085	-.6085	0	%100
7	M8	X	.1153	.1153	0	%100
8	M8	Z	-.0665	-.0665	0	%100
9	M9	X	1.5046	1.5046	0	%100
10	M9	Z	-.8687	-.8687	0	%100
11	M10	X	1.054	1.054	0	%100
12	M10	Z	-.6085	-.6085	0	%100
13	M11	X	.264	.264	0	%100
14	M11	Z	-.1524	-.1524	0	%100
15	M12	X	3.4466	3.4466	0	%100
16	M12	Z	-1.9899	-1.9899	0	%100
17	M13	X	.264	.264	0	%100
18	M13	Z	-.1524	-.1524	0	%100
19	M14	X	3.4466	3.4466	0	%100
20	M14	Z	-1.9899	-1.9899	0	%100
21	M15	X	2.9003	2.9003	0	%100
22	M15	Z	-1.6745	-1.6745	0	%100
23	M16	X	2.866	2.866	0	%100
24	M16	Z	-1.6547	-1.6547	0	%100
25	M17	X	2.9003	2.9003	0	%100
26	M17	Z	-1.6745	-1.6745	0	%100
27	M18	X	2.866	2.866	0	%100
28	M18	Z	-1.6547	-1.6547	0	%100
29	M19	X	2.9003	2.9003	0	%100
30	M19	Z	-1.6745	-1.6745	0	%100
31	M20	X	2.9003	2.9003	0	%100
32	M20	Z	-1.6745	-1.6745	0	%100
33	M21	X	2.9003	2.9003	0	%100
34	M21	Z	-1.6745	-1.6745	0	%100
35	M22	X	2.7839	2.7839	0	%100
36	M22	Z	-1.6073	-1.6073	0	%100
37	M23	X	2.7839	2.7839	0	%100
38	M23	Z	-1.6073	-1.6073	0	%100
39	M24	X	2.8171	2.8171	0	%100
40	M24	Z	-1.6265	-1.6265	0	%100
41	M25	X	3.1618	3.1618	0	%100
42	M25	Z	-1.8255	-1.8255	0	%100
43	M26	X	2.9003	2.9003	0	%100
44	M26	Z	-1.6745	-1.6745	0	%100
45	M27	X	1.9623	1.9623	0	%100
46	M27	Z	-1.133	-1.133	0	%100
47	M28	X	2.9003	2.9003	0	%100
48	M28	Z	-1.6745	-1.6745	0	%100
49	M29	X	1.7782	1.7782	0	%100
50	M29	Z	-1.0266	-1.0266	0	%100
51	M30	X	2.9003	2.9003	0	%100
52	M30	Z	-1.6745	-1.6745	0	%100
53	M31	X	2.9003	2.9003	0	%100
54	M31	Z	-1.6745	-1.6745	0	%100
55	M32	X	2.9003	2.9003	0	%100
56	M32	Z	-1.6745	-1.6745	0	%100
57	M33	X	2.7839	2.7839	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M33	Z	-1.6073	-1.6073	0	%100
59	M34	X	2.7839	2.7839	0	%100
60	M34	Z	-1.6073	-1.6073	0	%100
61	M35	X	2.8171	2.8171	0	%100
62	M35	Z	-1.6265	-1.6265	0	%100
63	M36	X	3.1618	3.1618	0	%100
64	M36	Z	-1.8255	-1.8255	0	%100
65	M35A	X	3.1618	3.1618	0	%100
66	M35A	Z	-1.8255	-1.8255	0	%100
67	M36A	X	3.1618	3.1618	0	%100
68	M36A	Z	-1.8255	-1.8255	0	%100
69	M37	X	2.9003	2.9003	0	%100
70	M37	Z	-1.6745	-1.6745	0	%100
71	M38	X	2.9003	2.9003	0	%100
72	M38	Z	-1.6745	-1.6745	0	%100
73	MP1A	X	3.5389	3.5389	0	%100
74	MP1A	Z	-2.0432	-2.0432	0	%100
75	MP2A	X	3.5389	3.5389	0	%100
76	MP2A	Z	-2.0432	-2.0432	0	%100
77	MP3A	X	3.5389	3.5389	0	%100
78	MP3A	Z	-2.0432	-2.0432	0	%100
79	MP4A	X	3.5389	3.5389	0	%100
80	MP4A	Z	-2.0432	-2.0432	0	%100
81	M51	X	1.5287	1.5287	0	%100
82	M51	Z	-.8826	-.8826	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.944	.944	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	.944	.944	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	.944	.944	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	.944	.944	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	2.1625	2.1625	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	2.1625	2.1625	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	2.1625	2.1625	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	2.1625	2.1625	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	3.8424	3.8424	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	2.7934	2.7934	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	3.8424	3.8424	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	2.7934	2.7934	0	%100
28	M18	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
29	M19	X	3.8424	3.8424	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	3.8424	3.8424	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	3.8424	3.8424	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	3.2146	3.2146	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	3.2146	3.2146	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	3.2529	3.2529	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	4.2213	4.2213	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	3.8424	3.8424	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	2.7934	2.7934	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	3.8424	3.8424	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	2.6576	2.6576	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	3.8424	3.8424	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	3.8424	3.8424	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	3.8424	3.8424	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	3.2146	3.2146	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	3.2146	3.2146	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	3.2529	3.2529	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	4.2213	4.2213	0	%100
64	M36	Z	0	0	0	%100
65	M35A	X	4.2213	4.2213	0	%100
66	M35A	Z	0	0	0	%100
67	M36A	X	4.2213	4.2213	0	%100
68	M36A	Z	0	0	0	%100
69	M37	X	3.8424	3.8424	0	%100
70	M37	Z	0	0	0	%100
71	M38	X	3.8424	3.8424	0	%100
72	M38	Z	0	0	0	%100
73	MP1A	X	4.0863	4.0863	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	4.0863	4.0863	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	4.0863	4.0863	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	4.0863	4.0863	0	%100
80	MP4A	Z	0	0	0	%100
81	M51	X	3.669	3.669	0	%100
82	M51	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	1.5046	1.5046	0	%100
2	M5	Z	.8687	.8687	0	%100
3	M6	X	.1153	.1153	0	%100
4	M6	Z	.0665	.0665	0	%100
5	M7	X	1.054	1.054	0	%100
6	M7	Z	.6085	.6085	0	%100
7	M8	X	1.5046	1.5046	0	%100
8	M8	Z	.8687	.8687	0	%100
9	M9	X	.1153	.1153	0	%100
10	M9	Z	.0665	.0665	0	%100
11	M10	X	1.054	1.054	0	%100
12	M10	Z	.6085	.6085	0	%100
13	M11	X	3.4466	3.4466	0	%100
14	M11	Z	1.9899	1.9899	0	%100
15	M12	X	.264	.264	0	%100
16	M12	Z	.1524	.1524	0	%100
17	M13	X	3.4466	3.4466	0	%100
18	M13	Z	1.9899	1.9899	0	%100
19	M14	X	.264	.264	0	%100
20	M14	Z	.1524	.1524	0	%100
21	M15	X	2.9003	2.9003	0	%100
22	M15	Z	1.6745	1.6745	0	%100
23	M16	X	1.9623	1.9623	0	%100
24	M16	Z	1.133	1.133	0	%100
25	M17	X	2.9003	2.9003	0	%100
26	M17	Z	1.6745	1.6745	0	%100
27	M18	X	1.9623	1.9623	0	%100
28	M18	Z	1.133	1.133	0	%100
29	M19	X	2.9003	2.9003	0	%100
30	M19	Z	1.6745	1.6745	0	%100
31	M20	X	2.9003	2.9003	0	%100
32	M20	Z	1.6745	1.6745	0	%100
33	M21	X	2.9003	2.9003	0	%100
34	M21	Z	1.6745	1.6745	0	%100
35	M22	X	2.7839	2.7839	0	%100
36	M22	Z	1.6073	1.6073	0	%100
37	M23	X	2.7839	2.7839	0	%100
38	M23	Z	1.6073	1.6073	0	%100
39	M24	X	2.8171	2.8171	0	%100
40	M24	Z	1.6265	1.6265	0	%100
41	M25	X	3.1618	3.1618	0	%100
42	M25	Z	1.8255	1.8255	0	%100
43	M26	X	2.9003	2.9003	0	%100
44	M26	Z	1.6745	1.6745	0	%100
45	M27	X	2.866	2.866	0	%100
46	M27	Z	1.6547	1.6547	0	%100
47	M28	X	2.9003	2.9003	0	%100
48	M28	Z	1.6745	1.6745	0	%100
49	M29	X	2.8136	2.8136	0	%100
50	M29	Z	1.6244	1.6244	0	%100
51	M30	X	2.9003	2.9003	0	%100
52	M30	Z	1.6745	1.6745	0	%100
53	M31	X	2.9003	2.9003	0	%100
54	M31	Z	1.6745	1.6745	0	%100
55	M32	X	2.9003	2.9003	0	%100
56	M32	Z	1.6745	1.6745	0	%100
57	M33	X	2.7839	2.7839	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M33	Z	1.6073	1.6073	0	%100
59	M34	X	2.7839	2.7839	0	%100
60	M34	Z	1.6073	1.6073	0	%100
61	M35	X	2.8171	2.8171	0	%100
62	M35	Z	1.6265	1.6265	0	%100
63	M36	X	3.1618	3.1618	0	%100
64	M36	Z	1.8255	1.8255	0	%100
65	M35A	X	3.1618	3.1618	0	%100
66	M35A	Z	1.8255	1.8255	0	%100
67	M36A	X	3.1618	3.1618	0	%100
68	M36A	Z	1.8255	1.8255	0	%100
69	M37	X	2.9003	2.9003	0	%100
70	M37	Z	1.6745	1.6745	0	%100
71	M38	X	2.9003	2.9003	0	%100
72	M38	Z	1.6745	1.6745	0	%100
73	MP1A	X	3.5389	3.5389	0	%100
74	MP1A	Z	2.0432	2.0432	0	%100
75	MP2A	X	3.5389	3.5389	0	%100
76	MP2A	Z	2.0432	2.0432	0	%100
77	MP3A	X	3.5389	3.5389	0	%100
78	MP3A	Z	2.0432	2.0432	0	%100
79	MP4A	X	3.5389	3.5389	0	%100
80	MP4A	Z	2.0432	2.0432	0	%100
81	M51	X	3.4264	3.4264	0	%100
82	M51	Z	1.9783	1.9783	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.8598	.8598	0	%100
2	M5	Z	1.4893	1.4893	0	%100
3	M6	X	.0577	.0577	0	%100
4	M6	Z	.1	.1	0	%100
5	M7	X	1.8255	1.8255	0	%100
6	M7	Z	3.1619	3.1619	0	%100
7	M8	X	.8598	.8598	0	%100
8	M8	Z	1.4893	1.4893	0	%100
9	M9	X	.0577	.0577	0	%100
10	M9	Z	.1	.1	0	%100
11	M10	X	1.8255	1.8255	0	%100
12	M10	Z	3.1619	3.1619	0	%100
13	M11	X	1.9697	1.9697	0	%100
14	M11	Z	3.4116	3.4116	0	%100
15	M12	X	.1322	.1322	0	%100
16	M12	Z	.229	.229	0	%100
17	M13	X	1.9697	1.9697	0	%100
18	M13	Z	3.4116	3.4116	0	%100
19	M14	X	.1322	.1322	0	%100
20	M14	Z	.229	.229	0	%100
21	M15	X	1.181	1.181	0	%100
22	M15	Z	2.0456	2.0456	0	%100
23	M16	X	1.1272	1.1272	0	%100
24	M16	Z	1.9524	1.9524	0	%100
25	M17	X	1.181	1.181	0	%100
26	M17	Z	2.0456	2.0456	0	%100
27	M18	X	1.1272	1.1272	0	%100
28	M18	Z	1.9524	1.9524	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
29	M19	X	1.181	1.181	0	%100
30	M19	Z	2.0456	2.0456	0	%100
31	M20	X	1.181	1.181	0	%100
32	M20	Z	2.0456	2.0456	0	%100
33	M21	X	1.181	1.181	0	%100
34	M21	Z	2.0456	2.0456	0	%100
35	M22	X	1.6073	1.6073	0	%100
36	M22	Z	2.7839	2.7839	0	%100
37	M23	X	1.6073	1.6073	0	%100
38	M23	Z	2.7839	2.7839	0	%100
39	M24	X	1.6265	1.6265	0	%100
40	M24	Z	2.8171	2.8171	0	%100
41	M25	X	1.255	1.255	0	%100
42	M25	Z	2.1738	2.1738	0	%100
43	M26	X	1.181	1.181	0	%100
44	M26	Z	2.0456	2.0456	0	%100
45	M27	X	1.6489	1.6489	0	%100
46	M27	Z	2.856	2.856	0	%100
47	M28	X	1.181	1.181	0	%100
48	M28	Z	2.0456	2.0456	0	%100
49	M29	X	1.6178	1.6178	0	%100
50	M29	Z	2.8022	2.8022	0	%100
51	M30	X	1.181	1.181	0	%100
52	M30	Z	2.0456	2.0456	0	%100
53	M31	X	1.181	1.181	0	%100
54	M31	Z	2.0456	2.0456	0	%100
55	M32	X	1.181	1.181	0	%100
56	M32	Z	2.0456	2.0456	0	%100
57	M33	X	1.6073	1.6073	0	%100
58	M33	Z	2.7839	2.7839	0	%100
59	M34	X	1.6073	1.6073	0	%100
60	M34	Z	2.7839	2.7839	0	%100
61	M35	X	1.6265	1.6265	0	%100
62	M35	Z	2.8171	2.8171	0	%100
63	M36	X	1.255	1.255	0	%100
64	M36	Z	2.1738	2.1738	0	%100
65	M35A	X	1.255	1.255	0	%100
66	M35A	Z	2.1738	2.1738	0	%100
67	M36A	X	1.255	1.255	0	%100
68	M36A	Z	2.1738	2.1738	0	%100
69	M37	X	1.181	1.181	0	%100
70	M37	Z	2.0456	2.0456	0	%100
71	M38	X	1.181	1.181	0	%100
72	M38	Z	2.0456	2.0456	0	%100
73	MP1A	X	2.0432	2.0432	0	%100
74	MP1A	Z	3.5389	3.5389	0	%100
75	MP2A	X	2.0432	2.0432	0	%100
76	MP2A	Z	3.5389	3.5389	0	%100
77	MP3A	X	2.0432	2.0432	0	%100
78	MP3A	Z	3.5389	3.5389	0	%100
79	MP4A	X	2.0432	2.0432	0	%100
80	MP4A	Z	3.5389	3.5389	0	%100
81	M51	X	1.1701	1.1701	0	%100
82	M51	Z	2.0266	2.0266	0	%100

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

Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	0	0	0	%100
2	M5	Z	.9087	.9087	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	.9087	.9087	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	4.868	4.868	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	.9087	.9087	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.9087	.9087	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	4.868	4.868	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	2.0817	2.0817	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	2.0817	2.0817	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	2.0817	2.0817	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	2.0817	2.0817	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	1.8686	1.8686	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	2.7704	2.7704	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.8686	1.8686	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	2.7704	2.7704	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	1.8686	1.8686	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	1.8686	1.8686	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	1.8686	1.8686	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	3.2146	3.2146	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	3.2146	3.2146	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	3.2529	3.2529	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	1.9396	1.9396	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	1.8686	1.8686	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	2.7704	2.7704	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	1.8686	1.8686	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	2.6313	2.6313	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	1.8686	1.8686	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	1.8686	1.8686	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	1.8686	1.8686	0	%100
57	M33	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M33	Z	3.2146	3.2146	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	3.2146	3.2146	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	3.2529	3.2529	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	1.9396	1.9396	0	%100
65	M35A	X	0	0	0	%100
66	M35A	Z	1.9396	1.9396	0	%100
67	M36A	X	0	0	0	%100
68	M36A	Z	1.9396	1.9396	0	%100
69	M37	X	0	0	0	%100
70	M37	Z	1.8686	1.8686	0	%100
71	M38	X	0	0	0	%100
72	M38	Z	1.8686	1.8686	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	4.0863	4.0863	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	4.0863	4.0863	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	4.0863	4.0863	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	4.0863	4.0863	0	%100
81	M51	X	0	0	0	%100
82	M51	Z	.4363	.4363	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	-.0577	-.0577	0	%100
2	M5	Z	.1	.1	0	%100
3	M6	X	-.8598	-.8598	0	%100
4	M6	Z	1.4893	1.4893	0	%100
5	M7	X	-1.8255	-1.8255	0	%100
6	M7	Z	3.1619	3.1619	0	%100
7	M8	X	-.0577	-.0577	0	%100
8	M8	Z	.1	.1	0	%100
9	M9	X	-.8598	-.8598	0	%100
10	M9	Z	1.4893	1.4893	0	%100
11	M10	X	-1.8255	-1.8255	0	%100
12	M10	Z	3.1619	3.1619	0	%100
13	M11	X	-.1322	-.1322	0	%100
14	M11	Z	.229	.229	0	%100
15	M12	X	-1.9697	-1.9697	0	%100
16	M12	Z	3.4116	3.4116	0	%100
17	M13	X	-.1322	-.1322	0	%100
18	M13	Z	.229	.229	0	%100
19	M14	X	-1.9697	-1.9697	0	%100
20	M14	Z	3.4116	3.4116	0	%100
21	M15	X	-1.181	-1.181	0	%100
22	M15	Z	2.0456	2.0456	0	%100
23	M16	X	-1.6489	-1.6489	0	%100
24	M16	Z	2.856	2.856	0	%100
25	M17	X	-1.181	-1.181	0	%100
26	M17	Z	2.0456	2.0456	0	%100
27	M18	X	-1.6489	-1.6489	0	%100
28	M18	Z	2.856	2.856	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[]...	Start Location[ft,...	End Location[ft,...
29	M19	X	-1.181	-1.181	0	%100
30	M19	Z	2.0456	2.0456	0	%100
31	M20	X	-1.181	-1.181	0	%100
32	M20	Z	2.0456	2.0456	0	%100
33	M21	X	-1.181	-1.181	0	%100
34	M21	Z	2.0456	2.0456	0	%100
35	M22	X	-1.6073	-1.6073	0	%100
36	M22	Z	2.7839	2.7839	0	%100
37	M23	X	-1.6073	-1.6073	0	%100
38	M23	Z	2.7839	2.7839	0	%100
39	M24	X	-1.6265	-1.6265	0	%100
40	M24	Z	2.8171	2.8171	0	%100
41	M25	X	-1.255	-1.255	0	%100
42	M25	Z	2.1738	2.1738	0	%100
43	M26	X	-1.181	-1.181	0	%100
44	M26	Z	2.0456	2.0456	0	%100
45	M27	X	-1.1272	-1.1272	0	%100
46	M27	Z	1.9524	1.9524	0	%100
47	M28	X	-1.181	-1.181	0	%100
48	M28	Z	2.0456	2.0456	0	%100
49	M29	X	-1.0201	-1.0201	0	%100
50	M29	Z	1.7668	1.7668	0	%100
51	M30	X	-1.181	-1.181	0	%100
52	M30	Z	2.0456	2.0456	0	%100
53	M31	X	-1.181	-1.181	0	%100
54	M31	Z	2.0456	2.0456	0	%100
55	M32	X	-1.181	-1.181	0	%100
56	M32	Z	2.0456	2.0456	0	%100
57	M33	X	-1.6073	-1.6073	0	%100
58	M33	Z	2.7839	2.7839	0	%100
59	M34	X	-1.6073	-1.6073	0	%100
60	M34	Z	2.7839	2.7839	0	%100
61	M35	X	-1.6265	-1.6265	0	%100
62	M35	Z	2.8171	2.8171	0	%100
63	M36	X	-1.255	-1.255	0	%100
64	M36	Z	2.1738	2.1738	0	%100
65	M35A	X	-1.255	-1.255	0	%100
66	M35A	Z	2.1738	2.1738	0	%100
67	M36A	X	-1.255	-1.255	0	%100
68	M36A	Z	2.1738	2.1738	0	%100
69	M37	X	-1.181	-1.181	0	%100
70	M37	Z	2.0456	2.0456	0	%100
71	M38	X	-1.181	-1.181	0	%100
72	M38	Z	2.0456	2.0456	0	%100
73	MP1A	X	-2.0432	-2.0432	0	%100
74	MP1A	Z	3.5389	3.5389	0	%100
75	MP2A	X	-2.0432	-2.0432	0	%100
76	MP2A	Z	3.5389	3.5389	0	%100
77	MP3A	X	-2.0432	-2.0432	0	%100
78	MP3A	Z	3.5389	3.5389	0	%100
79	MP4A	X	-2.0432	-2.0432	0	%100
80	MP4A	Z	3.5389	3.5389	0	%100
81	M51	X	-.0744	-.0744	0	%100
82	M51	Z	.1288	.1288	0	%100

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

Member Label	Direction	Start Magnitude...	End Magnitude[]...	Start Location[ft,...	End Location[ft,...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M5	X	-.1153	-.1153	0	%100
2	M5	Z	.0665	.0665	0	%100
3	M6	X	-1.5046	-1.5046	0	%100
4	M6	Z	.8687	.8687	0	%100
5	M7	X	-1.054	-1.054	0	%100
6	M7	Z	.6085	.6085	0	%100
7	M8	X	-.1153	-.1153	0	%100
8	M8	Z	.0665	.0665	0	%100
9	M9	X	-1.5046	-1.5046	0	%100
10	M9	Z	.8687	.8687	0	%100
11	M10	X	-1.054	-1.054	0	%100
12	M10	Z	.6085	.6085	0	%100
13	M11	X	-.264	-.264	0	%100
14	M11	Z	.1524	.1524	0	%100
15	M12	X	-3.4466	-3.4466	0	%100
16	M12	Z	1.9899	1.9899	0	%100
17	M13	X	-.264	-.264	0	%100
18	M13	Z	.1524	.1524	0	%100
19	M14	X	-3.4466	-3.4466	0	%100
20	M14	Z	1.9899	1.9899	0	%100
21	M15	X	-2.9003	-2.9003	0	%100
22	M15	Z	1.6745	1.6745	0	%100
23	M16	X	-2.866	-2.866	0	%100
24	M16	Z	1.6547	1.6547	0	%100
25	M17	X	-2.9003	-2.9003	0	%100
26	M17	Z	1.6745	1.6745	0	%100
27	M18	X	-2.866	-2.866	0	%100
28	M18	Z	1.6547	1.6547	0	%100
29	M19	X	-2.9003	-2.9003	0	%100
30	M19	Z	1.6745	1.6745	0	%100
31	M20	X	-2.9003	-2.9003	0	%100
32	M20	Z	1.6745	1.6745	0	%100
33	M21	X	-2.9003	-2.9003	0	%100
34	M21	Z	1.6745	1.6745	0	%100
35	M22	X	-2.7839	-2.7839	0	%100
36	M22	Z	1.6073	1.6073	0	%100
37	M23	X	-2.7839	-2.7839	0	%100
38	M23	Z	1.6073	1.6073	0	%100
39	M24	X	-2.8171	-2.8171	0	%100
40	M24	Z	1.6265	1.6265	0	%100
41	M25	X	-3.1618	-3.1618	0	%100
42	M25	Z	1.8255	1.8255	0	%100
43	M26	X	-2.9003	-2.9003	0	%100
44	M26	Z	1.6745	1.6745	0	%100
45	M27	X	-1.9623	-1.9623	0	%100
46	M27	Z	1.133	1.133	0	%100
47	M28	X	-2.9003	-2.9003	0	%100
48	M28	Z	1.6745	1.6745	0	%100
49	M29	X	-1.7782	-1.7782	0	%100
50	M29	Z	1.0266	1.0266	0	%100
51	M30	X	-2.9003	-2.9003	0	%100
52	M30	Z	1.6745	1.6745	0	%100
53	M31	X	-2.9003	-2.9003	0	%100
54	M31	Z	1.6745	1.6745	0	%100
55	M32	X	-2.9003	-2.9003	0	%100
56	M32	Z	1.6745	1.6745	0	%100
57	M33	X	-2.7839	-2.7839	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M33	Z	1.6073	1.6073	0	%100
59	M34	X	-2.7839	-2.7839	0	%100
60	M34	Z	1.6073	1.6073	0	%100
61	M35	X	-2.8171	-2.8171	0	%100
62	M35	Z	1.6265	1.6265	0	%100
63	M36	X	-3.1618	-3.1618	0	%100
64	M36	Z	1.8255	1.8255	0	%100
65	M35A	X	-3.1618	-3.1618	0	%100
66	M35A	Z	1.8255	1.8255	0	%100
67	M36A	X	-3.1618	-3.1618	0	%100
68	M36A	Z	1.8255	1.8255	0	%100
69	M37	X	-2.9003	-2.9003	0	%100
70	M37	Z	1.6745	1.6745	0	%100
71	M38	X	-2.9003	-2.9003	0	%100
72	M38	Z	1.6745	1.6745	0	%100
73	MP1A	X	-3.5389	-3.5389	0	%100
74	MP1A	Z	2.0432	2.0432	0	%100
75	MP2A	X	-3.5389	-3.5389	0	%100
76	MP2A	Z	2.0432	2.0432	0	%100
77	MP3A	X	-3.5389	-3.5389	0	%100
78	MP3A	Z	2.0432	2.0432	0	%100
79	MP4A	X	-3.5389	-3.5389	0	%100
80	MP4A	Z	2.0432	2.0432	0	%100
81	M51	X	-1.5287	-1.5287	0	%100
82	M51	Z	.8826	.8826	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	-.944	-.944	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	-.944	-.944	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-.944	-.944	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-.944	-.944	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-2.1625	-2.1625	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-2.1625	-2.1625	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-2.1625	-2.1625	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-2.1625	-2.1625	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-3.8424	-3.8424	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-2.7934	-2.7934	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-3.8424	-3.8424	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-2.7934	-2.7934	0	%100
28	M18	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
29	M19	X	-3.8424	-3.8424	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-3.8424	-3.8424	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-3.8424	-3.8424	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	-3.2146	-3.2146	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	-3.2146	-3.2146	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	-3.2529	-3.2529	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-4.2213	-4.2213	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-3.8424	-3.8424	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	-2.7934	-2.7934	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-3.8424	-3.8424	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-2.6576	-2.6576	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-3.8424	-3.8424	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	-3.8424	-3.8424	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	-3.8424	-3.8424	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	-3.2146	-3.2146	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-3.2146	-3.2146	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	-3.2529	-3.2529	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	-4.2213	-4.2213	0	%100
64	M36	Z	0	0	0	%100
65	M35A	X	-4.2213	-4.2213	0	%100
66	M35A	Z	0	0	0	%100
67	M36A	X	-4.2213	-4.2213	0	%100
68	M36A	Z	0	0	0	%100
69	M37	X	-3.8424	-3.8424	0	%100
70	M37	Z	0	0	0	%100
71	M38	X	-3.8424	-3.8424	0	%100
72	M38	Z	0	0	0	%100
73	MP1A	X	-4.0863	-4.0863	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	-4.0863	-4.0863	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	-4.0863	-4.0863	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	-4.0863	-4.0863	0	%100
80	MP4A	Z	0	0	0	%100
81	M51	X	-3.669	-3.669	0	%100
82	M51	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	-1.5046	-1.5046	0	%100
2	M5	Z	-.8687	-.8687	0	%100
3	M6	X	-.1153	-.1153	0	%100
4	M6	Z	-.0665	-.0665	0	%100
5	M7	X	-1.054	-1.054	0	%100
6	M7	Z	-.6085	-.6085	0	%100
7	M8	X	-1.5046	-1.5046	0	%100
8	M8	Z	-.8687	-.8687	0	%100
9	M9	X	-.1153	-.1153	0	%100
10	M9	Z	-.0665	-.0665	0	%100
11	M10	X	-1.054	-1.054	0	%100
12	M10	Z	-.6085	-.6085	0	%100
13	M11	X	-3.4466	-3.4466	0	%100
14	M11	Z	-1.9899	-1.9899	0	%100
15	M12	X	-.264	-.264	0	%100
16	M12	Z	-.1524	-.1524	0	%100
17	M13	X	-3.4466	-3.4466	0	%100
18	M13	Z	-1.9899	-1.9899	0	%100
19	M14	X	-.264	-.264	0	%100
20	M14	Z	-.1524	-.1524	0	%100
21	M15	X	-2.9003	-2.9003	0	%100
22	M15	Z	-1.6745	-1.6745	0	%100
23	M16	X	-1.9623	-1.9623	0	%100
24	M16	Z	-1.133	-1.133	0	%100
25	M17	X	-2.9003	-2.9003	0	%100
26	M17	Z	-1.6745	-1.6745	0	%100
27	M18	X	-1.9623	-1.9623	0	%100
28	M18	Z	-1.133	-1.133	0	%100
29	M19	X	-2.9003	-2.9003	0	%100
30	M19	Z	-1.6745	-1.6745	0	%100
31	M20	X	-2.9003	-2.9003	0	%100
32	M20	Z	-1.6745	-1.6745	0	%100
33	M21	X	-2.9003	-2.9003	0	%100
34	M21	Z	-1.6745	-1.6745	0	%100
35	M22	X	-2.7839	-2.7839	0	%100
36	M22	Z	-1.6073	-1.6073	0	%100
37	M23	X	-2.7839	-2.7839	0	%100
38	M23	Z	-1.6073	-1.6073	0	%100
39	M24	X	-2.8171	-2.8171	0	%100
40	M24	Z	-1.6265	-1.6265	0	%100
41	M25	X	-3.1618	-3.1618	0	%100
42	M25	Z	-1.8255	-1.8255	0	%100
43	M26	X	-2.9003	-2.9003	0	%100
44	M26	Z	-1.6745	-1.6745	0	%100
45	M27	X	-2.866	-2.866	0	%100
46	M27	Z	-1.6547	-1.6547	0	%100
47	M28	X	-2.9003	-2.9003	0	%100
48	M28	Z	-1.6745	-1.6745	0	%100
49	M29	X	-2.8136	-2.8136	0	%100
50	M29	Z	-1.6244	-1.6244	0	%100
51	M30	X	-2.9003	-2.9003	0	%100
52	M30	Z	-1.6745	-1.6745	0	%100
53	M31	X	-2.9003	-2.9003	0	%100
54	M31	Z	-1.6745	-1.6745	0	%100
55	M32	X	-2.9003	-2.9003	0	%100
56	M32	Z	-1.6745	-1.6745	0	%100
57	M33	X	-2.7839	-2.7839	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M33	Z	-1.6073	-1.6073	0	%100
59	M34	X	-2.7839	-2.7839	0	%100
60	M34	Z	-1.6073	-1.6073	0	%100
61	M35	X	-2.8171	-2.8171	0	%100
62	M35	Z	-1.6265	-1.6265	0	%100
63	M36	X	-3.1618	-3.1618	0	%100
64	M36	Z	-1.8255	-1.8255	0	%100
65	M35A	X	-3.1618	-3.1618	0	%100
66	M35A	Z	-1.8255	-1.8255	0	%100
67	M36A	X	-3.1618	-3.1618	0	%100
68	M36A	Z	-1.8255	-1.8255	0	%100
69	M37	X	-2.9003	-2.9003	0	%100
70	M37	Z	-1.6745	-1.6745	0	%100
71	M38	X	-2.9003	-2.9003	0	%100
72	M38	Z	-1.6745	-1.6745	0	%100
73	MP1A	X	-3.5389	-3.5389	0	%100
74	MP1A	Z	-2.0432	-2.0432	0	%100
75	MP2A	X	-3.5389	-3.5389	0	%100
76	MP2A	Z	-2.0432	-2.0432	0	%100
77	MP3A	X	-3.5389	-3.5389	0	%100
78	MP3A	Z	-2.0432	-2.0432	0	%100
79	MP4A	X	-3.5389	-3.5389	0	%100
80	MP4A	Z	-2.0432	-2.0432	0	%100
81	M51	X	-3.4264	-3.4264	0	%100
82	M51	Z	-1.9783	-1.9783	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	-.8598	-.8598	0	%100
2	M5	Z	-1.4893	-1.4893	0	%100
3	M6	X	-.0577	-.0577	0	%100
4	M6	Z	-.1	-.1	0	%100
5	M7	X	-1.8255	-1.8255	0	%100
6	M7	Z	-3.1619	-3.1619	0	%100
7	M8	X	-.8598	-.8598	0	%100
8	M8	Z	-1.4893	-1.4893	0	%100
9	M9	X	-.0577	-.0577	0	%100
10	M9	Z	-.1	-.1	0	%100
11	M10	X	-1.8255	-1.8255	0	%100
12	M10	Z	-3.1619	-3.1619	0	%100
13	M11	X	-1.9697	-1.9697	0	%100
14	M11	Z	-3.4116	-3.4116	0	%100
15	M12	X	-.1322	-.1322	0	%100
16	M12	Z	-.229	-.229	0	%100
17	M13	X	-1.9697	-1.9697	0	%100
18	M13	Z	-3.4116	-3.4116	0	%100
19	M14	X	-.1322	-.1322	0	%100
20	M14	Z	-.229	-.229	0	%100
21	M15	X	-1.181	-1.181	0	%100
22	M15	Z	-2.0456	-2.0456	0	%100
23	M16	X	-1.1272	-1.1272	0	%100
24	M16	Z	-1.9524	-1.9524	0	%100
25	M17	X	-1.181	-1.181	0	%100
26	M17	Z	-2.0456	-2.0456	0	%100
27	M18	X	-1.1272	-1.1272	0	%100
28	M18	Z	-1.9524	-1.9524	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
29	M19	X	-1.181	-1.181	0	%100
30	M19	Z	-2.0456	-2.0456	0	%100
31	M20	X	-1.181	-1.181	0	%100
32	M20	Z	-2.0456	-2.0456	0	%100
33	M21	X	-1.181	-1.181	0	%100
34	M21	Z	-2.0456	-2.0456	0	%100
35	M22	X	-1.6073	-1.6073	0	%100
36	M22	Z	-2.7839	-2.7839	0	%100
37	M23	X	-1.6073	-1.6073	0	%100
38	M23	Z	-2.7839	-2.7839	0	%100
39	M24	X	-1.6265	-1.6265	0	%100
40	M24	Z	-2.8171	-2.8171	0	%100
41	M25	X	-1.255	-1.255	0	%100
42	M25	Z	-2.1738	-2.1738	0	%100
43	M26	X	-1.181	-1.181	0	%100
44	M26	Z	-2.0456	-2.0456	0	%100
45	M27	X	-1.6489	-1.6489	0	%100
46	M27	Z	-2.856	-2.856	0	%100
47	M28	X	-1.181	-1.181	0	%100
48	M28	Z	-2.0456	-2.0456	0	%100
49	M29	X	-1.6178	-1.6178	0	%100
50	M29	Z	-2.8022	-2.8022	0	%100
51	M30	X	-1.181	-1.181	0	%100
52	M30	Z	-2.0456	-2.0456	0	%100
53	M31	X	-1.181	-1.181	0	%100
54	M31	Z	-2.0456	-2.0456	0	%100
55	M32	X	-1.181	-1.181	0	%100
56	M32	Z	-2.0456	-2.0456	0	%100
57	M33	X	-1.6073	-1.6073	0	%100
58	M33	Z	-2.7839	-2.7839	0	%100
59	M34	X	-1.6073	-1.6073	0	%100
60	M34	Z	-2.7839	-2.7839	0	%100
61	M35	X	-1.6265	-1.6265	0	%100
62	M35	Z	-2.8171	-2.8171	0	%100
63	M36	X	-1.255	-1.255	0	%100
64	M36	Z	-2.1738	-2.1738	0	%100
65	M35A	X	-1.255	-1.255	0	%100
66	M35A	Z	-2.1738	-2.1738	0	%100
67	M36A	X	-1.255	-1.255	0	%100
68	M36A	Z	-2.1738	-2.1738	0	%100
69	M37	X	-1.181	-1.181	0	%100
70	M37	Z	-2.0456	-2.0456	0	%100
71	M38	X	-1.181	-1.181	0	%100
72	M38	Z	-2.0456	-2.0456	0	%100
73	MP1A	X	-2.0432	-2.0432	0	%100
74	MP1A	Z	-3.5389	-3.5389	0	%100
75	MP2A	X	-2.0432	-2.0432	0	%100
76	MP2A	Z	-3.5389	-3.5389	0	%100
77	MP3A	X	-2.0432	-2.0432	0	%100
78	MP3A	Z	-3.5389	-3.5389	0	%100
79	MP4A	X	-2.0432	-2.0432	0	%100
80	MP4A	Z	-3.5389	-3.5389	0	%100
81	M51	X	-1.1701	-1.1701	0	%100
82	M51	Z	-2.0266	-2.0266	0	%100

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

Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M5	X	0	0	0	%100
2	M5	Z	-.0502	-.0502	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	-.0502	-.0502	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-.7845	-.7845	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-.0502	-.0502	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.0502	-.0502	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-.7845	-.7845	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-.3178	-.3178	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-.3178	-.3178	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-.3178	-.3178	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-.3178	-.3178	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-.108	-.108	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-.3708	-.3708	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-.108	-.108	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-.3708	-.3708	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-.108	-.108	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-.108	-.108	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-.108	-.108	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	-.4403	-.4403	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	-.4403	-.4403	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-.4996	-.4996	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-.1336	-.1336	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-.108	-.108	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-.3708	-.3708	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-.108	-.108	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-.3574	-.3574	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	-.108	-.108	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	-.108	-.108	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	-.108	-.108	0	%100
57	M33	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M33	Z	-.4403	-.4403	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	-.4403	-.4403	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	-.4996	-.4996	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	-.1336	-.1336	0	%100
65	M35A	X	0	0	0	%100
66	M35A	Z	-.1336	-.1336	0	%100
67	M36A	X	0	0	0	%100
68	M36A	Z	-.1336	-.1336	0	%100
69	M37	X	0	0	0	%100
70	M37	Z	-.108	-.108	0	%100
71	M38	X	0	0	0	%100
72	M38	Z	-.108	-.108	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-.648	-.648	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	-.648	-.648	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-.648	-.648	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-.648	-.648	0	%100
81	M51	X	0	0	0	%100
82	M51	Z	-.0689	-.0689	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.0032	.0032	0	%100
2	M5	Z	-.0055	-.0055	0	%100
3	M6	X	.0475	.0475	0	%100
4	M6	Z	-.0822	-.0822	0	%100
5	M7	X	.2942	.2942	0	%100
6	M7	Z	-.5095	-.5095	0	%100
7	M8	X	.0032	.0032	0	%100
8	M8	Z	-.0055	-.0055	0	%100
9	M9	X	.0475	.0475	0	%100
10	M9	Z	-.0822	-.0822	0	%100
11	M10	X	.2942	.2942	0	%100
12	M10	Z	-.5095	-.5095	0	%100
13	M11	X	.0202	.0202	0	%100
14	M11	Z	-.035	-.035	0	%100
15	M12	X	.3007	.3007	0	%100
16	M12	Z	-.5209	-.5209	0	%100
17	M13	X	.0202	.0202	0	%100
18	M13	Z	-.035	-.035	0	%100
19	M14	X	.3007	.3007	0	%100
20	M14	Z	-.5209	-.5209	0	%100
21	M15	X	.1428	.1428	0	%100
22	M15	Z	-.2474	-.2474	0	%100
23	M16	X	.2207	.2207	0	%100
24	M16	Z	-.3822	-.3822	0	%100
25	M17	X	.1428	.1428	0	%100
26	M17	Z	-.2474	-.2474	0	%100
27	M18	X	.2207	.2207	0	%100
28	M18	Z	-.3822	-.3822	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
29	M19	X	.1428	.1428	0	%100
30	M19	Z	-.2474	-.2474	0	%100
31	M20	X	.1428	.1428	0	%100
32	M20	Z	-.2474	-.2474	0	%100
33	M21	X	.1428	.1428	0	%100
34	M21	Z	-.2474	-.2474	0	%100
35	M22	X	.2202	.2202	0	%100
36	M22	Z	-.3813	-.3813	0	%100
37	M23	X	.2202	.2202	0	%100
38	M23	Z	-.3813	-.3813	0	%100
39	M24	X	.2498	.2498	0	%100
40	M24	Z	-.4327	-.4327	0	%100
41	M25	X	.1695	.1695	0	%100
42	M25	Z	-.2935	-.2935	0	%100
43	M26	X	.1428	.1428	0	%100
44	M26	Z	-.2474	-.2474	0	%100
45	M27	X	.1509	.1509	0	%100
46	M27	Z	-.2613	-.2613	0	%100
47	M28	X	.1428	.1428	0	%100
48	M28	Z	-.2474	-.2474	0	%100
49	M29	X	.1385	.1385	0	%100
50	M29	Z	-.24	-.24	0	%100
51	M30	X	.1428	.1428	0	%100
52	M30	Z	-.2474	-.2474	0	%100
53	M31	X	.1428	.1428	0	%100
54	M31	Z	-.2474	-.2474	0	%100
55	M32	X	.1428	.1428	0	%100
56	M32	Z	-.2474	-.2474	0	%100
57	M33	X	.2202	.2202	0	%100
58	M33	Z	-.3813	-.3813	0	%100
59	M34	X	.2202	.2202	0	%100
60	M34	Z	-.3813	-.3813	0	%100
61	M35	X	.2498	.2498	0	%100
62	M35	Z	-.4327	-.4327	0	%100
63	M36	X	.1695	.1695	0	%100
64	M36	Z	-.2935	-.2935	0	%100
65	M35A	X	.1695	.1695	0	%100
66	M35A	Z	-.2935	-.2935	0	%100
67	M36A	X	.1695	.1695	0	%100
68	M36A	Z	-.2935	-.2935	0	%100
69	M37	X	.1428	.1428	0	%100
70	M37	Z	-.2474	-.2474	0	%100
71	M38	X	.1428	.1428	0	%100
72	M38	Z	-.2474	-.2474	0	%100
73	MP1A	X	.324	.324	0	%100
74	MP1A	Z	-.5612	-.5612	0	%100
75	MP2A	X	.324	.324	0	%100
76	MP2A	Z	-.5612	-.5612	0	%100
77	MP3A	X	.324	.324	0	%100
78	MP3A	Z	-.5612	-.5612	0	%100
79	MP4A	X	.324	.324	0	%100
80	MP4A	Z	-.5612	-.5612	0	%100
81	M51	X	.0117	.0117	0	%100
82	M51	Z	-.0203	-.0203	0	%100

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

Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.0064	.0064	0	%100
2	M5	Z	-.0037	-.0037	0	%100
3	M6	X	.0831	.0831	0	%100
4	M6	Z	-.048	-.048	0	%100
5	M7	X	.1698	.1698	0	%100
6	M7	Z	-.0981	-.0981	0	%100
7	M8	X	.0064	.0064	0	%100
8	M8	Z	-.0037	-.0037	0	%100
9	M9	X	.0831	.0831	0	%100
10	M9	Z	-.048	-.048	0	%100
11	M10	X	.1698	.1698	0	%100
12	M10	Z	-.0981	-.0981	0	%100
13	M11	X	.0403	.0403	0	%100
14	M11	Z	-.0233	-.0233	0	%100
15	M12	X	.5263	.5263	0	%100
16	M12	Z	-.3038	-.3038	0	%100
17	M13	X	.0403	.0403	0	%100
18	M13	Z	-.0233	-.0233	0	%100
19	M14	X	.5263	.5263	0	%100
20	M14	Z	-.3038	-.3038	0	%100
21	M15	X	.5551	.5551	0	%100
22	M15	Z	-.3205	-.3205	0	%100
23	M16	X	.3836	.3836	0	%100
24	M16	Z	-.2214	-.2214	0	%100
25	M17	X	.5551	.5551	0	%100
26	M17	Z	-.3205	-.3205	0	%100
27	M18	X	.3836	.3836	0	%100
28	M18	Z	-.2214	-.2214	0	%100
29	M19	X	.5551	.5551	0	%100
30	M19	Z	-.3205	-.3205	0	%100
31	M20	X	.5551	.5551	0	%100
32	M20	Z	-.3205	-.3205	0	%100
33	M21	X	.5551	.5551	0	%100
34	M21	Z	-.3205	-.3205	0	%100
35	M22	X	.3813	.3813	0	%100
36	M22	Z	-.2202	-.2202	0	%100
37	M23	X	.3813	.3813	0	%100
38	M23	Z	-.2202	-.2202	0	%100
39	M24	X	.4327	.4327	0	%100
40	M24	Z	-.2498	-.2498	0	%100
41	M25	X	.6492	.6492	0	%100
42	M25	Z	-.3748	-.3748	0	%100
43	M26	X	.5551	.5551	0	%100
44	M26	Z	-.3205	-.3205	0	%100
45	M27	X	.2626	.2626	0	%100
46	M27	Z	-.1516	-.1516	0	%100
47	M28	X	.5551	.5551	0	%100
48	M28	Z	-.3205	-.3205	0	%100
49	M29	X	.2415	.2415	0	%100
50	M29	Z	-.1394	-.1394	0	%100
51	M30	X	.5551	.5551	0	%100
52	M30	Z	-.3205	-.3205	0	%100
53	M31	X	.5551	.5551	0	%100
54	M31	Z	-.3205	-.3205	0	%100
55	M32	X	.5551	.5551	0	%100
56	M32	Z	-.3205	-.3205	0	%100
57	M33	X	.3813	.3813	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M33	Z	-.2202	-.2202	0	%100
59	M34	X	.3813	.3813	0	%100
60	M34	Z	-.2202	-.2202	0	%100
61	M35	X	.4327	.4327	0	%100
62	M35	Z	-.2498	-.2498	0	%100
63	M36	X	.6492	.6492	0	%100
64	M36	Z	-.3748	-.3748	0	%100
65	M35A	X	.6492	.6492	0	%100
66	M35A	Z	-.3748	-.3748	0	%100
67	M36A	X	.6492	.6492	0	%100
68	M36A	Z	-.3748	-.3748	0	%100
69	M37	X	.5551	.5551	0	%100
70	M37	Z	-.3205	-.3205	0	%100
71	M38	X	.5551	.5551	0	%100
72	M38	Z	-.3205	-.3205	0	%100
73	MP1A	X	.5612	.5612	0	%100
74	MP1A	Z	-.324	-.324	0	%100
75	MP2A	X	.5612	.5612	0	%100
76	MP2A	Z	-.324	-.324	0	%100
77	MP3A	X	.5612	.5612	0	%100
78	MP3A	Z	-.324	-.324	0	%100
79	MP4A	X	.5612	.5612	0	%100
80	MP4A	Z	-.324	-.324	0	%100
81	M51	X	.2413	.2413	0	%100
82	M51	Z	-.1393	-.1393	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.0521	.0521	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	.0521	.0521	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	.0521	.0521	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	.0521	.0521	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	.3302	.3302	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	.3302	.3302	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	.3302	.3302	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	.3302	.3302	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	.8186	.8186	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	.3738	.3738	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.8186	.8186	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.3738	.3738	0	%100
28	M18	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
29	M19	X	.8186	.8186	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	.8186	.8186	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	.8186	.8186	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	.4403	.4403	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	.4403	.4403	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	.4996	.4996	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	.955	.955	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	.8186	.8186	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	.3738	.3738	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	.8186	.8186	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	.361	.361	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	.8186	.8186	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	.8186	.8186	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	.8186	.8186	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	.4403	.4403	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	.4403	.4403	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	.4996	.4996	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	.955	.955	0	%100
64	M36	Z	0	0	0	%100
65	M35A	X	.955	.955	0	%100
66	M35A	Z	0	0	0	%100
67	M36A	X	.955	.955	0	%100
68	M36A	Z	0	0	0	%100
69	M37	X	.8186	.8186	0	%100
70	M37	Z	0	0	0	%100
71	M38	X	.8186	.8186	0	%100
72	M38	Z	0	0	0	%100
73	MP1A	X	.648	.648	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	.648	.648	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	.648	.648	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	.648	.648	0	%100
80	MP4A	Z	0	0	0	%100
81	M51	X	.5792	.5792	0	%100
82	M51	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.0831	.0831	0	%100
2	M5	Z	.048	.048	0	%100
3	M6	X	.0064	.0064	0	%100
4	M6	Z	.0037	.0037	0	%100
5	M7	X	.1698	.1698	0	%100
6	M7	Z	.0981	.0981	0	%100
7	M8	X	.0831	.0831	0	%100
8	M8	Z	.048	.048	0	%100
9	M9	X	.0064	.0064	0	%100
10	M9	Z	.0037	.0037	0	%100
11	M10	X	.1698	.1698	0	%100
12	M10	Z	.0981	.0981	0	%100
13	M11	X	.5263	.5263	0	%100
14	M11	Z	.3038	.3038	0	%100
15	M12	X	.0403	.0403	0	%100
16	M12	Z	.0233	.0233	0	%100
17	M13	X	.5263	.5263	0	%100
18	M13	Z	.3038	.3038	0	%100
19	M14	X	.0403	.0403	0	%100
20	M14	Z	.0233	.0233	0	%100
21	M15	X	.5551	.5551	0	%100
22	M15	Z	.3205	.3205	0	%100
23	M16	X	.2626	.2626	0	%100
24	M16	Z	.1516	.1516	0	%100
25	M17	X	.5551	.5551	0	%100
26	M17	Z	.3205	.3205	0	%100
27	M18	X	.2626	.2626	0	%100
28	M18	Z	.1516	.1516	0	%100
29	M19	X	.5551	.5551	0	%100
30	M19	Z	.3205	.3205	0	%100
31	M20	X	.5551	.5551	0	%100
32	M20	Z	.3205	.3205	0	%100
33	M21	X	.5551	.5551	0	%100
34	M21	Z	.3205	.3205	0	%100
35	M22	X	.3813	.3813	0	%100
36	M22	Z	.2202	.2202	0	%100
37	M23	X	.3813	.3813	0	%100
38	M23	Z	.2202	.2202	0	%100
39	M24	X	.4327	.4327	0	%100
40	M24	Z	.2498	.2498	0	%100
41	M25	X	.6492	.6492	0	%100
42	M25	Z	.3748	.3748	0	%100
43	M26	X	.5551	.5551	0	%100
44	M26	Z	.3205	.3205	0	%100
45	M27	X	.3836	.3836	0	%100
46	M27	Z	.2214	.2214	0	%100
47	M28	X	.5551	.5551	0	%100
48	M28	Z	.3205	.3205	0	%100
49	M29	X	.3821	.3821	0	%100
50	M29	Z	.2206	.2206	0	%100
51	M30	X	.5551	.5551	0	%100
52	M30	Z	.3205	.3205	0	%100
53	M31	X	.5551	.5551	0	%100
54	M31	Z	.3205	.3205	0	%100
55	M32	X	.5551	.5551	0	%100
56	M32	Z	.3205	.3205	0	%100
57	M33	X	.3813	.3813	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M33	Z	.2202	.2202	0	%100
59	M34	X	.3813	.3813	0	%100
60	M34	Z	.2202	.2202	0	%100
61	M35	X	.4327	.4327	0	%100
62	M35	Z	.2498	.2498	0	%100
63	M36	X	.6492	.6492	0	%100
64	M36	Z	.3748	.3748	0	%100
65	M35A	X	.6492	.6492	0	%100
66	M35A	Z	.3748	.3748	0	%100
67	M36A	X	.6492	.6492	0	%100
68	M36A	Z	.3748	.3748	0	%100
69	M37	X	.5551	.5551	0	%100
70	M37	Z	.3205	.3205	0	%100
71	M38	X	.5551	.5551	0	%100
72	M38	Z	.3205	.3205	0	%100
73	MP1A	X	.5612	.5612	0	%100
74	MP1A	Z	.324	.324	0	%100
75	MP2A	X	.5612	.5612	0	%100
76	MP2A	Z	.324	.324	0	%100
77	MP3A	X	.5612	.5612	0	%100
78	MP3A	Z	.324	.324	0	%100
79	MP4A	X	.5612	.5612	0	%100
80	MP4A	Z	.324	.324	0	%100
81	M51	X	.5409	.5409	0	%100
82	M51	Z	.3123	.3123	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	.0475	.0475	0	%100
2	M5	Z	.0822	.0822	0	%100
3	M6	X	.0032	.0032	0	%100
4	M6	Z	.0055	.0055	0	%100
5	M7	X	.2942	.2942	0	%100
6	M7	Z	.5095	.5095	0	%100
7	M8	X	.0475	.0475	0	%100
8	M8	Z	.0822	.0822	0	%100
9	M9	X	.0032	.0032	0	%100
10	M9	Z	.0055	.0055	0	%100
11	M10	X	.2942	.2942	0	%100
12	M10	Z	.5095	.5095	0	%100
13	M11	X	.3007	.3007	0	%100
14	M11	Z	.5209	.5209	0	%100
15	M12	X	.0202	.0202	0	%100
16	M12	Z	.035	.035	0	%100
17	M13	X	.3007	.3007	0	%100
18	M13	Z	.5209	.5209	0	%100
19	M14	X	.0202	.0202	0	%100
20	M14	Z	.035	.035	0	%100
21	M15	X	.1428	.1428	0	%100
22	M15	Z	.2474	.2474	0	%100
23	M16	X	.1509	.1509	0	%100
24	M16	Z	.2613	.2613	0	%100
25	M17	X	.1428	.1428	0	%100
26	M17	Z	.2474	.2474	0	%100
27	M18	X	.1509	.1509	0	%100
28	M18	Z	.2613	.2613	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
29	M19	X	.1428	.1428	0	%100
30	M19	Z	.2474	.2474	0	%100
31	M20	X	.1428	.1428	0	%100
32	M20	Z	.2474	.2474	0	%100
33	M21	X	.1428	.1428	0	%100
34	M21	Z	.2474	.2474	0	%100
35	M22	X	.2202	.2202	0	%100
36	M22	Z	.3813	.3813	0	%100
37	M23	X	.2202	.2202	0	%100
38	M23	Z	.3813	.3813	0	%100
39	M24	X	.2498	.2498	0	%100
40	M24	Z	.4327	.4327	0	%100
41	M25	X	.1695	.1695	0	%100
42	M25	Z	.2935	.2935	0	%100
43	M26	X	.1428	.1428	0	%100
44	M26	Z	.2474	.2474	0	%100
45	M27	X	.2207	.2207	0	%100
46	M27	Z	.3822	.3822	0	%100
47	M28	X	.1428	.1428	0	%100
48	M28	Z	.2474	.2474	0	%100
49	M29	X	.2197	.2197	0	%100
50	M29	Z	.3806	.3806	0	%100
51	M30	X	.1428	.1428	0	%100
52	M30	Z	.2474	.2474	0	%100
53	M31	X	.1428	.1428	0	%100
54	M31	Z	.2474	.2474	0	%100
55	M32	X	.1428	.1428	0	%100
56	M32	Z	.2474	.2474	0	%100
57	M33	X	.2202	.2202	0	%100
58	M33	Z	.3813	.3813	0	%100
59	M34	X	.2202	.2202	0	%100
60	M34	Z	.3813	.3813	0	%100
61	M35	X	.2498	.2498	0	%100
62	M35	Z	.4327	.4327	0	%100
63	M36	X	.1695	.1695	0	%100
64	M36	Z	.2935	.2935	0	%100
65	M35A	X	.1695	.1695	0	%100
66	M35A	Z	.2935	.2935	0	%100
67	M36A	X	.1695	.1695	0	%100
68	M36A	Z	.2935	.2935	0	%100
69	M37	X	.1428	.1428	0	%100
70	M37	Z	.2474	.2474	0	%100
71	M38	X	.1428	.1428	0	%100
72	M38	Z	.2474	.2474	0	%100
73	MP1A	X	.324	.324	0	%100
74	MP1A	Z	.5612	.5612	0	%100
75	MP2A	X	.324	.324	0	%100
76	MP2A	Z	.5612	.5612	0	%100
77	MP3A	X	.324	.324	0	%100
78	MP3A	Z	.5612	.5612	0	%100
79	MP4A	X	.324	.324	0	%100
80	MP4A	Z	.5612	.5612	0	%100
81	M51	X	.1847	.1847	0	%100
82	M51	Z	.3199	.3199	0	%100

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

Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	0	0	0	%100
2	M5	Z	.0502	.0502	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	.0502	.0502	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	.7845	.7845	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	.0502	.0502	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.0502	.0502	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	.7845	.7845	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	.3178	.3178	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	.3178	.3178	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	.3178	.3178	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	.3178	.3178	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	.108	.108	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	.3708	.3708	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	.108	.108	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	.3708	.3708	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	.108	.108	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	.108	.108	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	.108	.108	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	.4403	.4403	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	.4403	.4403	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	.4996	.4996	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	.1336	.1336	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	.108	.108	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	.3708	.3708	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	.108	.108	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	.3574	.3574	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	.108	.108	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	.108	.108	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	.108	.108	0	%100
57	M33	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M33	Z	.4403	.4403	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	.4403	.4403	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	.4996	.4996	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	.1336	.1336	0	%100
65	M35A	X	0	0	0	%100
66	M35A	Z	.1336	.1336	0	%100
67	M36A	X	0	0	0	%100
68	M36A	Z	.1336	.1336	0	%100
69	M37	X	0	0	0	%100
70	M37	Z	.108	.108	0	%100
71	M38	X	0	0	0	%100
72	M38	Z	.108	.108	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	.648	.648	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	.648	.648	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	.648	.648	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	.648	.648	0	%100
81	M51	X	0	0	0	%100
82	M51	Z	.0689	.0689	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	-.0032	-.0032	0	%100
2	M5	Z	.0055	.0055	0	%100
3	M6	X	-.0475	-.0475	0	%100
4	M6	Z	.0822	.0822	0	%100
5	M7	X	-.2942	-.2942	0	%100
6	M7	Z	.5095	.5095	0	%100
7	M8	X	-.0032	-.0032	0	%100
8	M8	Z	.0055	.0055	0	%100
9	M9	X	-.0475	-.0475	0	%100
10	M9	Z	.0822	.0822	0	%100
11	M10	X	-.2942	-.2942	0	%100
12	M10	Z	.5095	.5095	0	%100
13	M11	X	-.0202	-.0202	0	%100
14	M11	Z	.035	.035	0	%100
15	M12	X	-.3007	-.3007	0	%100
16	M12	Z	.5209	.5209	0	%100
17	M13	X	-.0202	-.0202	0	%100
18	M13	Z	.035	.035	0	%100
19	M14	X	-.3007	-.3007	0	%100
20	M14	Z	.5209	.5209	0	%100
21	M15	X	-.1428	-.1428	0	%100
22	M15	Z	.2474	.2474	0	%100
23	M16	X	-.2207	-.2207	0	%100
24	M16	Z	.3822	.3822	0	%100
25	M17	X	-.1428	-.1428	0	%100
26	M17	Z	.2474	.2474	0	%100
27	M18	X	-.2207	-.2207	0	%100
28	M18	Z	.3822	.3822	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
29	M19	X	-.1428	-.1428	0	%100
30	M19	Z	.2474	.2474	0	%100
31	M20	X	-.1428	-.1428	0	%100
32	M20	Z	.2474	.2474	0	%100
33	M21	X	-.1428	-.1428	0	%100
34	M21	Z	.2474	.2474	0	%100
35	M22	X	-.2202	-.2202	0	%100
36	M22	Z	.3813	.3813	0	%100
37	M23	X	-.2202	-.2202	0	%100
38	M23	Z	.3813	.3813	0	%100
39	M24	X	-.2498	-.2498	0	%100
40	M24	Z	.4327	.4327	0	%100
41	M25	X	-.1695	-.1695	0	%100
42	M25	Z	.2935	.2935	0	%100
43	M26	X	-.1428	-.1428	0	%100
44	M26	Z	.2474	.2474	0	%100
45	M27	X	-.1509	-.1509	0	%100
46	M27	Z	.2613	.2613	0	%100
47	M28	X	-.1428	-.1428	0	%100
48	M28	Z	.2474	.2474	0	%100
49	M29	X	-.1385	-.1385	0	%100
50	M29	Z	.24	.24	0	%100
51	M30	X	-.1428	-.1428	0	%100
52	M30	Z	.2474	.2474	0	%100
53	M31	X	-.1428	-.1428	0	%100
54	M31	Z	.2474	.2474	0	%100
55	M32	X	-.1428	-.1428	0	%100
56	M32	Z	.2474	.2474	0	%100
57	M33	X	-.2202	-.2202	0	%100
58	M33	Z	.3813	.3813	0	%100
59	M34	X	-.2202	-.2202	0	%100
60	M34	Z	.3813	.3813	0	%100
61	M35	X	-.2498	-.2498	0	%100
62	M35	Z	.4327	.4327	0	%100
63	M36	X	-.1695	-.1695	0	%100
64	M36	Z	.2935	.2935	0	%100
65	M35A	X	-.1695	-.1695	0	%100
66	M35A	Z	.2935	.2935	0	%100
67	M36A	X	-.1695	-.1695	0	%100
68	M36A	Z	.2935	.2935	0	%100
69	M37	X	-.1428	-.1428	0	%100
70	M37	Z	.2474	.2474	0	%100
71	M38	X	-.1428	-.1428	0	%100
72	M38	Z	.2474	.2474	0	%100
73	MP1A	X	-.324	-.324	0	%100
74	MP1A	Z	.5612	.5612	0	%100
75	MP2A	X	-.324	-.324	0	%100
76	MP2A	Z	.5612	.5612	0	%100
77	MP3A	X	-.324	-.324	0	%100
78	MP3A	Z	.5612	.5612	0	%100
79	MP4A	X	-.324	-.324	0	%100
80	MP4A	Z	.5612	.5612	0	%100
81	M51	X	-.0117	-.0117	0	%100
82	M51	Z	.0203	.0203	0	%100

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

Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	-.0064	-.0064	0	%100
2	M5	Z	.0037	.0037	0	%100
3	M6	X	-.0831	-.0831	0	%100
4	M6	Z	.048	.048	0	%100
5	M7	X	-.1698	-.1698	0	%100
6	M7	Z	.0981	.0981	0	%100
7	M8	X	-.0064	-.0064	0	%100
8	M8	Z	.0037	.0037	0	%100
9	M9	X	-.0831	-.0831	0	%100
10	M9	Z	.048	.048	0	%100
11	M10	X	-.1698	-.1698	0	%100
12	M10	Z	.0981	.0981	0	%100
13	M11	X	-.0403	-.0403	0	%100
14	M11	Z	.0233	.0233	0	%100
15	M12	X	-.5263	-.5263	0	%100
16	M12	Z	.3038	.3038	0	%100
17	M13	X	-.0403	-.0403	0	%100
18	M13	Z	.0233	.0233	0	%100
19	M14	X	-.5263	-.5263	0	%100
20	M14	Z	.3038	.3038	0	%100
21	M15	X	-.5551	-.5551	0	%100
22	M15	Z	.3205	.3205	0	%100
23	M16	X	-.3836	-.3836	0	%100
24	M16	Z	.2214	.2214	0	%100
25	M17	X	-.5551	-.5551	0	%100
26	M17	Z	.3205	.3205	0	%100
27	M18	X	-.3836	-.3836	0	%100
28	M18	Z	.2214	.2214	0	%100
29	M19	X	-.5551	-.5551	0	%100
30	M19	Z	.3205	.3205	0	%100
31	M20	X	-.5551	-.5551	0	%100
32	M20	Z	.3205	.3205	0	%100
33	M21	X	-.5551	-.5551	0	%100
34	M21	Z	.3205	.3205	0	%100
35	M22	X	-.3813	-.3813	0	%100
36	M22	Z	.2202	.2202	0	%100
37	M23	X	-.3813	-.3813	0	%100
38	M23	Z	.2202	.2202	0	%100
39	M24	X	-.4327	-.4327	0	%100
40	M24	Z	.2498	.2498	0	%100
41	M25	X	-.6492	-.6492	0	%100
42	M25	Z	.3748	.3748	0	%100
43	M26	X	-.5551	-.5551	0	%100
44	M26	Z	.3205	.3205	0	%100
45	M27	X	-.2626	-.2626	0	%100
46	M27	Z	.1516	.1516	0	%100
47	M28	X	-.5551	-.5551	0	%100
48	M28	Z	.3205	.3205	0	%100
49	M29	X	-.2415	-.2415	0	%100
50	M29	Z	.1394	.1394	0	%100
51	M30	X	-.5551	-.5551	0	%100
52	M30	Z	.3205	.3205	0	%100
53	M31	X	-.5551	-.5551	0	%100
54	M31	Z	.3205	.3205	0	%100
55	M32	X	-.5551	-.5551	0	%100
56	M32	Z	.3205	.3205	0	%100
57	M33	X	-.3813	-.3813	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M33	Z	.2202	.2202	0	%100
59	M34	X	-.3813	-.3813	0	%100
60	M34	Z	.2202	.2202	0	%100
61	M35	X	-.4327	-.4327	0	%100
62	M35	Z	.2498	.2498	0	%100
63	M36	X	-.6492	-.6492	0	%100
64	M36	Z	.3748	.3748	0	%100
65	M35A	X	-.6492	-.6492	0	%100
66	M35A	Z	.3748	.3748	0	%100
67	M36A	X	-.6492	-.6492	0	%100
68	M36A	Z	.3748	.3748	0	%100
69	M37	X	-.5551	-.5551	0	%100
70	M37	Z	.3205	.3205	0	%100
71	M38	X	-.5551	-.5551	0	%100
72	M38	Z	.3205	.3205	0	%100
73	MP1A	X	-.5612	-.5612	0	%100
74	MP1A	Z	.324	.324	0	%100
75	MP2A	X	-.5612	-.5612	0	%100
76	MP2A	Z	.324	.324	0	%100
77	MP3A	X	-.5612	-.5612	0	%100
78	MP3A	Z	.324	.324	0	%100
79	MP4A	X	-.5612	-.5612	0	%100
80	MP4A	Z	.324	.324	0	%100
81	M51	X	-.2413	-.2413	0	%100
82	M51	Z	.1393	.1393	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	-.0521	-.0521	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	-.0521	-.0521	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-.0521	-.0521	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-.0521	-.0521	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-.3302	-.3302	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-.3302	-.3302	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-.3302	-.3302	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-.3302	-.3302	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-.8186	-.8186	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-.3738	-.3738	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-.8186	-.8186	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.3738	-.3738	0	%100
28	M18	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
29	M19	X	-.8186	-.8186	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-.8186	-.8186	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-.8186	-.8186	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	-.4403	-.4403	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	-.4403	-.4403	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	-.4996	-.4996	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-.955	-.955	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-.8186	-.8186	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	-.3738	-.3738	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-.8186	-.8186	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-.361	-.361	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-.8186	-.8186	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	-.8186	-.8186	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	-.8186	-.8186	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	-.4403	-.4403	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-.4403	-.4403	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	-.4996	-.4996	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	-.955	-.955	0	%100
64	M36	Z	0	0	0	%100
65	M35A	X	-.955	-.955	0	%100
66	M35A	Z	0	0	0	%100
67	M36A	X	-.955	-.955	0	%100
68	M36A	Z	0	0	0	%100
69	M37	X	-.8186	-.8186	0	%100
70	M37	Z	0	0	0	%100
71	M38	X	-.8186	-.8186	0	%100
72	M38	Z	0	0	0	%100
73	MP1A	X	-.648	-.648	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	-.648	-.648	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	-.648	-.648	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	-.648	-.648	0	%100
80	MP4A	Z	0	0	0	%100
81	M51	X	-.5792	-.5792	0	%100
82	M51	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft....
1	M5	X	-.0831	-.0831	0	%100
2	M5	Z	-.048	-.048	0	%100
3	M6	X	-.0064	-.0064	0	%100
4	M6	Z	-.0037	-.0037	0	%100
5	M7	X	-.1698	-.1698	0	%100
6	M7	Z	-.0981	-.0981	0	%100
7	M8	X	-.0831	-.0831	0	%100
8	M8	Z	-.048	-.048	0	%100
9	M9	X	-.0064	-.0064	0	%100
10	M9	Z	-.0037	-.0037	0	%100
11	M10	X	-.1698	-.1698	0	%100
12	M10	Z	-.0981	-.0981	0	%100
13	M11	X	-.5263	-.5263	0	%100
14	M11	Z	-.3038	-.3038	0	%100
15	M12	X	-.0403	-.0403	0	%100
16	M12	Z	-.0233	-.0233	0	%100
17	M13	X	-.5263	-.5263	0	%100
18	M13	Z	-.3038	-.3038	0	%100
19	M14	X	-.0403	-.0403	0	%100
20	M14	Z	-.0233	-.0233	0	%100
21	M15	X	-.5551	-.5551	0	%100
22	M15	Z	-.3205	-.3205	0	%100
23	M16	X	-.2626	-.2626	0	%100
24	M16	Z	-.1516	-.1516	0	%100
25	M17	X	-.5551	-.5551	0	%100
26	M17	Z	-.3205	-.3205	0	%100
27	M18	X	-.2626	-.2626	0	%100
28	M18	Z	-.1516	-.1516	0	%100
29	M19	X	-.5551	-.5551	0	%100
30	M19	Z	-.3205	-.3205	0	%100
31	M20	X	-.5551	-.5551	0	%100
32	M20	Z	-.3205	-.3205	0	%100
33	M21	X	-.5551	-.5551	0	%100
34	M21	Z	-.3205	-.3205	0	%100
35	M22	X	-.3813	-.3813	0	%100
36	M22	Z	-.2202	-.2202	0	%100
37	M23	X	-.3813	-.3813	0	%100
38	M23	Z	-.2202	-.2202	0	%100
39	M24	X	-.4327	-.4327	0	%100
40	M24	Z	-.2498	-.2498	0	%100
41	M25	X	-.6492	-.6492	0	%100
42	M25	Z	-.3748	-.3748	0	%100
43	M26	X	-.5551	-.5551	0	%100
44	M26	Z	-.3205	-.3205	0	%100
45	M27	X	-.3836	-.3836	0	%100
46	M27	Z	-.2214	-.2214	0	%100
47	M28	X	-.5551	-.5551	0	%100
48	M28	Z	-.3205	-.3205	0	%100
49	M29	X	-.3821	-.3821	0	%100
50	M29	Z	-.2206	-.2206	0	%100
51	M30	X	-.5551	-.5551	0	%100
52	M30	Z	-.3205	-.3205	0	%100
53	M31	X	-.5551	-.5551	0	%100
54	M31	Z	-.3205	-.3205	0	%100
55	M32	X	-.5551	-.5551	0	%100
56	M32	Z	-.3205	-.3205	0	%100
57	M33	X	-.3813	-.3813	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M33	Z	-.2202	-.2202	0	%100
59	M34	X	-.3813	-.3813	0	%100
60	M34	Z	-.2202	-.2202	0	%100
61	M35	X	-.4327	-.4327	0	%100
62	M35	Z	-.2498	-.2498	0	%100
63	M36	X	-.6492	-.6492	0	%100
64	M36	Z	-.3748	-.3748	0	%100
65	M35A	X	-.6492	-.6492	0	%100
66	M35A	Z	-.3748	-.3748	0	%100
67	M36A	X	-.6492	-.6492	0	%100
68	M36A	Z	-.3748	-.3748	0	%100
69	M37	X	-.5551	-.5551	0	%100
70	M37	Z	-.3205	-.3205	0	%100
71	M38	X	-.5551	-.5551	0	%100
72	M38	Z	-.3205	-.3205	0	%100
73	MP1A	X	-.5612	-.5612	0	%100
74	MP1A	Z	-.324	-.324	0	%100
75	MP2A	X	-.5612	-.5612	0	%100
76	MP2A	Z	-.324	-.324	0	%100
77	MP3A	X	-.5612	-.5612	0	%100
78	MP3A	Z	-.324	-.324	0	%100
79	MP4A	X	-.5612	-.5612	0	%100
80	MP4A	Z	-.324	-.324	0	%100
81	M51	X	-.5409	-.5409	0	%100
82	M51	Z	-.3123	-.3123	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M5	X	-.0475	-.0475	0	%100
2	M5	Z	-.0822	-.0822	0	%100
3	M6	X	-.0032	-.0032	0	%100
4	M6	Z	-.0055	-.0055	0	%100
5	M7	X	-.2942	-.2942	0	%100
6	M7	Z	-.5095	-.5095	0	%100
7	M8	X	-.0475	-.0475	0	%100
8	M8	Z	-.0822	-.0822	0	%100
9	M9	X	-.0032	-.0032	0	%100
10	M9	Z	-.0055	-.0055	0	%100
11	M10	X	-.2942	-.2942	0	%100
12	M10	Z	-.5095	-.5095	0	%100
13	M11	X	-.3007	-.3007	0	%100
14	M11	Z	-.5209	-.5209	0	%100
15	M12	X	-.0202	-.0202	0	%100
16	M12	Z	-.035	-.035	0	%100
17	M13	X	-.3007	-.3007	0	%100
18	M13	Z	-.5209	-.5209	0	%100
19	M14	X	-.0202	-.0202	0	%100
20	M14	Z	-.035	-.035	0	%100
21	M15	X	-.1428	-.1428	0	%100
22	M15	Z	-.2474	-.2474	0	%100
23	M16	X	-.1509	-.1509	0	%100
24	M16	Z	-.2613	-.2613	0	%100
25	M17	X	-.1428	-.1428	0	%100
26	M17	Z	-.2474	-.2474	0	%100
27	M18	X	-.1509	-.1509	0	%100
28	M18	Z	-.2613	-.2613	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
29	M19	X	-.1428	-.1428	0	%100
30	M19	Z	-.2474	-.2474	0	%100
31	M20	X	-.1428	-.1428	0	%100
32	M20	Z	-.2474	-.2474	0	%100
33	M21	X	-.1428	-.1428	0	%100
34	M21	Z	-.2474	-.2474	0	%100
35	M22	X	-.2202	-.2202	0	%100
36	M22	Z	-.3813	-.3813	0	%100
37	M23	X	-.2202	-.2202	0	%100
38	M23	Z	-.3813	-.3813	0	%100
39	M24	X	-.2498	-.2498	0	%100
40	M24	Z	-.4327	-.4327	0	%100
41	M25	X	-.1695	-.1695	0	%100
42	M25	Z	-.2935	-.2935	0	%100
43	M26	X	-.1428	-.1428	0	%100
44	M26	Z	-.2474	-.2474	0	%100
45	M27	X	-.2207	-.2207	0	%100
46	M27	Z	-.3822	-.3822	0	%100
47	M28	X	-.1428	-.1428	0	%100
48	M28	Z	-.2474	-.2474	0	%100
49	M29	X	-.2197	-.2197	0	%100
50	M29	Z	-.3806	-.3806	0	%100
51	M30	X	-.1428	-.1428	0	%100
52	M30	Z	-.2474	-.2474	0	%100
53	M31	X	-.1428	-.1428	0	%100
54	M31	Z	-.2474	-.2474	0	%100
55	M32	X	-.1428	-.1428	0	%100
56	M32	Z	-.2474	-.2474	0	%100
57	M33	X	-.2202	-.2202	0	%100
58	M33	Z	-.3813	-.3813	0	%100
59	M34	X	-.2202	-.2202	0	%100
60	M34	Z	-.3813	-.3813	0	%100
61	M35	X	-.2498	-.2498	0	%100
62	M35	Z	-.4327	-.4327	0	%100
63	M36	X	-.1695	-.1695	0	%100
64	M36	Z	-.2935	-.2935	0	%100
65	M35A	X	-.1695	-.1695	0	%100
66	M35A	Z	-.2935	-.2935	0	%100
67	M36A	X	-.1695	-.1695	0	%100
68	M36A	Z	-.2935	-.2935	0	%100
69	M37	X	-.1428	-.1428	0	%100
70	M37	Z	-.2474	-.2474	0	%100
71	M38	X	-.1428	-.1428	0	%100
72	M38	Z	-.2474	-.2474	0	%100
73	MP1A	X	-.324	-.324	0	%100
74	MP1A	Z	-.5612	-.5612	0	%100
75	MP2A	X	-.324	-.324	0	%100
76	MP2A	Z	-.5612	-.5612	0	%100
77	MP3A	X	-.324	-.324	0	%100
78	MP3A	Z	-.5612	-.5612	0	%100
79	MP4A	X	-.324	-.324	0	%100
80	MP4A	Z	-.5612	-.5612	0	%100
81	M51	X	-.1847	-.1847	0	%100
82	M51	Z	-.3199	-.3199	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]	L...	MZ [k-ft]	LC
1	N4	...	682.036	47	1486.667	17	12.082	1	-.064	72	.114	47	.015	49
2		...	-859.311	49	353.893	73	-3440.368	19	-.27	15	-.143	49	-.01	35
3	N65	...	910.653	11	1140.826	14	3506.389	14	-.052	75	.152	11	.018	49
4		...	-684.682	41	283.759	72	-116.748	8	-.212	19	-.114	41	-.01	21
5	N70	...	317.603	5	46.343	23	1020.691	11	0	75	0	75	0	75
6		...	-331.625	11	.887	5	-1015.936	5	0	1	0	1	0	1
7	Totals:	...	1172.489	11	2667.45	23	1936.341	1						
8		...	-1172.489	5	647.08	67	-1936.341	7						

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

	Member	Shape	Code Check	Lo...	LC	Shear Check	Lo.....		LC	phi*Pnc ..	phi*Pnt [..	phi*Mn y...	phi*Mn...	Cb	Eqn
1	M5	PL3/8x3.5	.534	.25	23	.056	0	z	14	40839.9..	42525	.332	3.101	1.664	H1-...
2	M6	PL3/8x3.5	.611	.25	15	.102	0	y	36	40839.9..	42525	.332	3.101	1.661	H1-...
3	M7	PIPE_2.5	.261	2....	9	.119	2....		11	11606.18	50715	3.596	3.596	2.221	H1-...
4	M8	PL3/8x3.5	.444	.25	24	.052	0	z	17	40839.9..	42525	.332	3.101	1.664	H1-...
5	M9	PL3/8x3.5	.516	.25	14	.091	0	y	20	40839.9..	42525	.332	3.101	1.661	H1-...
6	M10	PIPE_2.5	.377	2....	3	.092	2....		38	11606.18	50715	3.596	3.596	2.31	H1-...
7	M11	PIPE_2.0	.306	.495	21	.076	0		14	21054.34	32130	1.872	1.872	2.311	H1-...
8	M12	PIPE_2.0	.349	.495	17	.094	0		15	21054.34	32130	1.872	1.872	2.379	H1-...
9	M13	PIPE_2.0	.283	.557	14	.071	5....		39	21054.34	32130	1.872	1.872	1.9	H1-...
10	M14	PIPE_2.0	.323	.557	14	.077	0		19	21054.34	32130	1.872	1.872	1.954	H1-...
11	M15	PL3/8x3	.093	0	15	.095	0	y	20	36078.2..	36450	.284	2.279	1.667	H1-...
12	M16	1.5x.06	.292	1....	14	.015	4.05		1	5367.466	8550.171	.327	.327	1.136	H1-...
13	M17	PL3/8x3	.054	0	14	.059	0	y	18	36078.2..	36450	.284	2.279	1.667	H1-...
14	M18	1.5x.06	.121	2....	13	.024	0		12	5367.466	8550.171	.327	.327	1.136	H1-...
15	M19	PL3/8x3	.058	0	13	.065	0	y	24	36078.2..	36450	.284	2.279	1.667	H1-...
16	M20	PL3/8x3	.023	.125	15	.012	.125	y	5	36078.2..	36450	.284	2.279	1.671	H1-...
17	M21	PL3/8x3	.083	.125	14	.094	.125	y	14	36078.2..	36450	.284	2.279	1.667	H1-...
18	M22	1.5x.06	.130	3.25	15	.012	3.25		3	6335.275	8550.171	.327	.327	1.136	H1-...
19	M23	1.5x.06	.227	1....	15	.012	3.25		5	6335.275	8550.171	.327	.327	1.136	H1-...
20	M24	PIPE_2.0	.020	0	15	.002	2.5		6	29810.2..	32130	1.872	1.872	1.076	H1-...
21	M25	PL3/8x3.5	.017	0	3	.011	0	y	49	38827.2..	42525	.332	3.101	1.584	H1-...
22	M26	PL3/8x3	.087	0	23	.084	0	y	18	36078.2..	36450	.284	2.279	1.667	H1-...
23	M27	1.5x.06	.258	1....	24	.030	0		5	5367.466	8550.171	.327	.327	1.136	H1-...
24	M28	PL3/8x3	.061	0	17	.070	.125	y	17	36078.2..	36450	.284	2.279	1.667	H1-...
25	M29	1.5x.06	.104	1....	13	.051	0		5	5729.07	8550.171	.327	.327	1.136	H1-...
26	M30	PL3/8x3	.045	0	17	.080	0	y	5	36078.2..	36450	.284	2.279	1.667	H1-...
27	M31	PL3/8x3	.020	.125	23	.014	0	y	49	36078.2..	36450	.284	2.279	1.672	H1-...
28	M32	PL3/8x3	.076	.125	23	.086	.125	y	17	36078.2..	36450	.284	2.279	1.667	H1-...
29	M33	1.5x.06	.113	3.25	23	.011	3.25		11	6335.275	8550.171	.327	.327	1.136	H1-...
30	M34	1.5x.06	.184	3.25	21	.008	3.25		12	6335.275	8550.171	.327	.327	1.136	H1-...
31	M35	PIPE_2.0	.139	0	23	.010	0		21	29810.2..	32130	1.872	1.872	1.538	H1-...
32	M36	PL3/8x3.5	.027	0	11	.018	.375	y	3	38827.2..	42525	.332	3.101	1.676	H1-...
33	M35A	PL3/8x3.5	.017	.375	3	.011	0	y	49	38827.2..	42525	.332	3.101	1.584	H1-...
34	M36A	PL3/8x3.5	.092	.375	24	.068	0	y	5	38827.2..	42525	.332	3.101	1.667	H1-...
35	M37	PL3/8x3	.015	0	15	.013	0	y	49	36078.2..	36450	.284	2.279	1.713	H1-...
36	M38	PL3/8x3	.016	.125	11	.021	.125	y	3	36078.2..	36450	.284	2.279	1.664	H1-...
37	MP1A	PIPE_2.0	.179	4....	49	.026	.938		49	23808.54	32130	1.872	1.872	1.834	H1-...
38	MP2A	PIPE_2.0	.162	.938	18	.060	.885		8	23808.54	32130	1.872	1.872	1.775	H1-...

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

	Member	Shape	Code Check	Lo...	LC	Shear Check	Lo.....	LC	phi*Pnc ..	phi*Pnt [..	phi*Mn y...	phi*Mn...	Cb	Eqn
39	MP3A	PIPE_2.0	.124	4....	35	.050	4....	3	23808.54	32130	1.872	1.872	1.762	H1-...
40	MP4A	PIPE_2.0	.314	3....	11	.153	3.75	5	23808.54	32130	1.872	1.872	1.987	H1-...
41	M51	PIPE_2.0	.058	0	11	.005	5....	23	23485.6..	32130	1.872	1.872	1.353	H1-...

VzW SMART Tool© Vendor

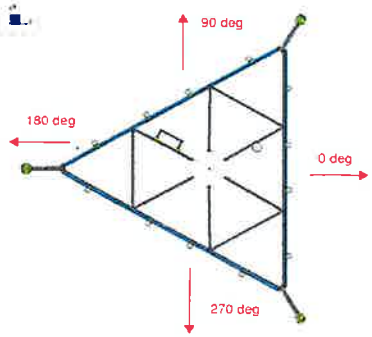
Client:	Verizon Wireless	Date:	7/21/2023
Site Name:	ELLINGTON CT		
MDG #:	5000246576		
Fuze ID #:	17123902	Page:	1

Version 1.01

I. Mount-to-Tower Connection Check

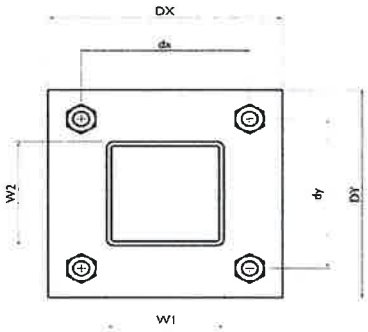
Custom Orientation Required	Yes

Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N4	0
N65	0



Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel

Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)*:	3.5
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	2
Bolt Type:	A36
Bolt Diameter (in):	0.5
Required Tensile Strength / bolt (kips):	1.7
Required Shear Strength / bolt (kips):	0.4
Tensile Capacity / bolt (kips):	6.4
Shear Capacity / bolt (kips):	3.8
Bolt Overall Utilization:	26.9%



Tower Connection Baseplate Checks	No

ATTACHMENT 4


Search
Selection
Themes
Markup
Abutters
1.38 AC
105
148-010-0000
1.38 AC
103
ACCESS EASEMENT
148-012-0000
3.08 AC
99
148-013-0000
0.69 AC
97
BURBANK RD
148-014-0000
1.38 AC
95
148-015-0000
1.38 AC
93
148-006-0000
14.01 AC
148-016-0000
2.06 AC
91
94
148-004-0000
101
148-017-0000
6.2 AC
ELECTRIC EASEMEN
41.935295,-72.385822
Keyboard shortcuts
Map data ©2021
100 ft
Terms of Use

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.

Government

Information on the Property Records for the Municipality of Ellington was last updated on 12/7/2021.

Property Summary Information

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

Parcel Information

Location:	101 BURBANK RD	Property Use:	Residential	Primary Use:	Residential
Unique ID:	00396900	Map Block Lot:	148 017 0000	Acres:	6.20
490 Acres:	0.00	Zone:	RAR	Volume / Page:	0484/0677
Developers Map / Lot:	3600SF LEASE PCL; 21	Census:	5352		

Value Information

	Appraised Value	Assessed Value
Land	333,260	233,280
Buildings	372,200	260,540
Detached Outbuildings	26,390	18,480
Total	731,850	512,300

Owner's Information

Owner's Data

ASUMADU BERNARD + JANE K
101 BURBANK RD
ELLINGTON, CT 06029

ATTACHMENT 5

Verizon/Ellington

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	neopost 08/03/2023 US POSTAGE $003.19 ZIP 06103 041L12200937
	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.	Lori Spielman, First Selectman Town of Ellington 55 Main Street Ellington, CT 06029				
2.	Lisa Houlihan, AICP, Town Planner Town of Ellington 55 Main Street Ellington, CT 06029				
3.	Bernard and Jane Asumadu 101 Burbank Road Ellington, CT 06029				
4.					
5.					
6.					